



# **District Disaster Management Plan Dakshin Dinajpur District 2020**

**Prepared by:**

**District Disaster Management Authority**

**Dakshin Dinajpur, Balurghat**

**OFFICE OF THE DISTRICT MAGISTRATE**

**Dakshin Dinajpur, Balurghat, 733101**

## **:: FOREWORD ::**

The entire district of Dakshin Dinajpur spreading over 2162 Sq.Km. having two Sub-Divisions with three Municipalities and eight Blocks coterminous with Police Stations as well is divided into three Basins both in terms of catchment accumulation (Catchment Basin) and natural flow of water (River Basin) viz. Tangon Basin, Punarbhava Basin & Atreyee-Yamuna Basin. The district with one international boundary with Bangladesh and four major rivers passing through it remains more or less prone to flood during monsoon-any time between July & September.

Over the last 32 years and more it has been observed that this district has mainly been experiencing flood, flood like circumstances and water logging situations and that too again occurs very scarcely unfolding the loss of crops, cattle and human lives and pisciculture sectors. Once on April 27, 2018, an earthquake of magnitude 4.2 on Richter Scale struck this district with no report of loss of properties or casualties.

Major contributing factors to flood are the run-off because of heavy local rainfall, discharge of upper basin areas and also outfall condition in the neighbouring country as major rivers are trans-boundary in India (Dakshin Dinajpur, W.B.) and Bangladesh. Poor drainage systems and uncontrolled nature of rivers having no continuous embankments on both the sides of these cross-border rivers are also responsible for flood.

Depending on predominance-3(Three) types of flood may be marked from 1987 and onwards. Less intensified floods occurred in the years : 1997, 1999, 2000,2004,2005 (confined to water logging only).

Moderately intensified floods occurred in the years : 1987, 1992, 1995,1998.

Intensified flood occurred in the year : 2017 ( with a death toll of 29 people, damages to Kutcha Houses-Fully- 40,996, Severely-12477, Partly-41079, Hut-1309 with livestock, agricultural yields and other properties too.

This Booklet introduced and prepared with a broad overview of objective, plan review, different types of measures to be taken, hand-eye coordination between departments and SOPs with taking up the Block and Municipal Plans and the Plans of various line departments with other precisely feasible information will give a telling and comprehensive image to the users dealing with the Disaster Management Affairs to a substantial degree.

Date: 18.03.2020  
Balurghat

(Shri Nikhil Nirmal, IAS)  
District Magistrate & Collector,  
Dakshin Dinajpur.

| <b>Abbreviations Used in the Document</b> |   |
|---|---|
| NDMA                                      | National Disaster Management Authority    |
| CEO                                       | Chief Executive Officer                   |
| DHO                                       | District Health Officer                   |
| DD  | Doordarshan                               |
| DDMA                                      | District Disaster Management Authority    |
| DDMC                                      | District Disaster Management Committee    |
| DDMP                                      | District Disaster Management Plan         |
| DMT                                       | Disaster Management Team                  |
| EOC                                       | Emergency Operation Center                |
| GOI                                       | Government of India                       |
| IAP                                       | Incident Action Plan                      |
| ICP                                       | Incident Command Post                     |
| ICS                                       | Incident Command System                   |
| IRS                                       | Incident Response System                  |
| IDRN                                      | India Disaster Response Network           |
| IMD                                       | Indian Meteorological Department          |
| NDRF                                      | National Disaster Response Force          |
| NGO                                       | Non Governmental Organization             |
| NIDM                                      | National Institute of Disaster Management |
| NSS                                       | National Social Service                   |
| PHC                                       | Public Health Centre                      |
| PWD                                       | Public Work Department                    |
| QRT                                       | Quick Response Team                       |
| RCC                                       | Reinforced Cement Concrete                |
| SOP                                       | Standard Operating Procedure              |
| POL                                       | Petroleum Oil and Lubrication             |
| SPM                                       | Single Mooring Point                      |
| SCADA                                     | Supervisory control and data acquisition  |
| LPG                                       | Liquid Petroleum Gas                      |
| MAH                                       | Major Accident Hazard                     |
| LEL                                       | Lower Explosive Limit                     |
| CMG                                       | Crisis Management Group                   |
| MRC                                       | Medical Relief Centre                     |
| ATC                                       | Air Traffic Controller                    |
| IAAI                                      | International Airport Authority Of India  |
| NIC                                       | National Informatics Centre               |
| LECR                                      | Local Emergency Control Room              |

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## SHOWING GRAM PANCHAYATS



## **Chapter 1**

### **INTRODUCTION**

#### **1.1 AIMS:**

The basic aim for formulating a District Disaster Management Plan (DDMP) is to ensure that the District Administration is prepared to handle any unprecedented situation that may arise in Dakshin Dinajpur District. The plan is essential to institutionalize Disaster Management in the District and to deal with future disasters in an efficient and effective manner.

The District Disaster Management Plan is the key part of an emergency management. It will play a significant role to address the unexpected disasters that occur in the district effectively. The information available in DDMP is valuable in terms of its use during disaster. Based on the history of various disasters that occur in the district, the plan has been so designed so as to make it an action plan rather than a resource book. Utmost attention has been paid to make it handy, precise rather than bulky one.

#### **1.2 Objectives of DDMP:**

The basic objective of the District Disaster Management Plan is to protect the residents of the district and their properties from all sorts of untoward incidents amongst others as follows:

- ☐ To prevent loss of human life and damage of property.
- ☐ To study, analyze and evaluate the disasters.
- ☐ To encourage a culture of Disaster Preparedness in the District.
- ☐ To identify the vulnerable locations and synthesize the vulnerability and risk analysis.
- ☐ To improve preparedness, prevention and mitigation at district level.
- ☐ To ascertain the status of existing resources and facilities available.
- ☐ To recommend appropriate strategies and responses to deal with future disasters.
- ☐ To prevent and minimize loss of human lives and property by gearing up preparedness, prevention & mitigation at district level.
- ☐ To develop convergence of action in addressing, preventing and mitigating disasters and to equip with maximum possible relief measures and to resort to pre-disaster during and post disaster steps.
- ☐ To assist line deptt., Block administration, communities (NGOs, VBOs etc.) in developing & coping skills for disaster management.
- ☐ To impart training to create awareness, rehearsals, dissemination of knowledge, information & rescue measures etc. among all the citizens living in the district.
- ☐ To identify the occurrence and nature of disasters by analyzing the periodicity, intensity and extent of damages.
- ☐ To ensure full proof communication and supply of manpower, material, machinery and goods and other inputs and activate the same within the shortest possible time backed by minimum simple procedures, orders etc. at different levels by making optimal utilization of available resources without any hiatus, duplication or overlapping.
- ☐ To ensure fastest approach for rescue & evacuation, rehabilitation and recovery.
- ☐ To avert further miseries of the calamity-stricken people.
- ☐ To facilitate the mitigation process.
- ☐ To facilitate convergence of schemes.
- ☐ Regular updation of resources available in and around the district.

Essentially, communities draw their support from the existing social institutions, the administrative structures, and their values and aspirations they cherish. Disasters may temporarily disorganize these institutions and the administrative system and disrupt their lives built around these values and aspirations. A systematic effort to put back the social life on its normal footing, with necessary technology support and resources, will contribute significantly to the resilience of the community and nation. In pursuance of this policy, the District Disaster Management Plan addresses itself to strengthening the pre-disaster and post-disaster responses of Emergency Support functionaries and stakeholders including the “victims” of the disaster.

### **1.3. Authority for the DDMP As per Disaster Management Act 2005 DM act:**

(The DDMP is prepared as per provision made in the DM Act 2005)

1. Every district must have District Disaster Management Authority with District Magistrate as the Chairperson of District Disaster Management Authority.

□ The elected representative of local authority who shall be the co-Chairperson, ex-officio. Provided that in the Tribal Areas, as referred to in the Sixth Schedule to the constitution, the Chief Executive Member of the district council of autonomous district shall be the co-Chairperson, ex-officio. Where Z.P. exists, the Sabhadhipati thereof shall be the co-Chairperson of the District authority.

□ The members of DDMA are Superintendent of Police, Chief Medical Officer of Health, Commandant of Fire Services, RTO and elected representatives also

2. The district authorities shall act as the district planning; coordinating and implementing body for disaster and take all measures for the purpose of disaster management in the district in accordance with the guidelines laid down by the National and the State Authority .

□ District Authority may prepare disaster management plan including district response plan for the district.

□ Coordinate and monitor the implementation of the National Policy, State Policy, National Plan, State Plan and District Plan.

□ Ensure that the areas in the district vulnerable to disasters are identified and measures for the prevention of the disasters and the mitigation of its effects are undertaken by the departments of the Government at the district level as well as by the local authorities.

□ Ensure that the guidelines for prevention of disasters, mitigation of its effects preparedness and response measures as laid down by the National Authority and the State Authority are followed by all departments of the Government at the district level and the local authorities in the district.

### **The District Disaster Management Plan, Dakshin Dinajpur, has included-**

a) The areas in the district vulnerable to different forms of Disasters.

b) The measures to be taken, for prevention and mitigation of disaster, by the Departments of the Government at the district level and local authorities in the district;

c) The capacity-building and preparedness measures required to be taken by the Departments of the Government at the district level and the local authorities in the district to respond to any threatening disaster situation or disaster;

d) The response plans and procedures, in the event of a disaster, providing for-

i) Allocation of responsibilities to the Departments of the Government at the district level and the local authorities in the district;

ii) Prompt response to disaster and relief thereof;

iii) Procurement of essential resources;

iv) Establishment of communication links; and

v) The dissemination of information to the public;

e) Such other matters as may be required by the State Authority.

The District Plan shall be reviewed and updated annually. The copies of the District Plan referred to in sub-sections (2) and (4) shall be made available to the Departments of the Government in the district.

The District Disaster Management Authority, Dakshin Dinajpur, shall send a copy of the DDMP to the Disaster Management & Civil Defence Department, Government of West Bengal for final approval.

The DDMA, Dakshin Dinajpur, is in the process of reviewing the Plan from time to time, the implementation of the Plan and issuing such instructions to different departments of the Government in the district as it may deem necessary for the implementation thereof.

### **1.4. Evolution of the Plan in brief:**

Preparation of District Disaster Management Plan is the responsibility of the District Disaster Management Authority of the District.

The main steps involved in the development of this plan are:

- ☐ Data collection from all line departments
- ☐ Data analysis
- ☐ Discussion with experts
- ☐ Reference of National and International Literatures
- ☐ Preparation of Action Plans for all Line Departments
- ☐ Preparation of Draft Plan Document
- ☐ Mock drill to check the viability and feasibility of the implementation methodology
- ☐ Wide circulation for public and departmental comments
- ☐ Preparation of the final plan document

### **1.5 Stakeholders & their Responsibilities:**

As per Section 32 of the DM Act 2005 every office of the Government of India and of the State Government at the district level and the local authorities shall, subject to the supervision of the District Authority,

1. Prepare a disaster management plan setting out the following, namely

☐ Provisions for prevention and mitigation measures as provided for in the District Plan and as is assigned to the department or agency concerned;

☐ Provisions for taking measures relating to capacity-building and preparedness as laid down in the District Plan;

☐ The response plans and procedures, in the event of, any threatening disaster situation or disaster;

2. Coordinate the preparation and the implementation of its plan with those of the other organizations at the district level including local authority, communities and other stakeholders;

3. Regularly review and update the plan; and

4. Submit a copy of its disaster management plan and of any amendment thereto, to the District Authority.

### **1.6 How to use the Plan:**

☐ Plans will work only in the case when present organizational structure is responsible to its non-emergency duties i.e. if a job is done well everyday; it is best done by that organization during emergency.

☐ Crisis should be met at the lowest and most immediate level of government. Plans call for local response supplemented if necessary, by the next higher jurisdiction.

☐ Voluntary response and involvement of the private sector should be sought and emphasized. The emergency management partnership is important to all phases of natural and man-made disasters.

### **1.7 Approval Mechanism of the Plan: Authority for implementation (State Level/ District Level orders):**

As per Section 31(2) of the Disaster Management Act 2005, there shall be a plan for disaster management for every district of the State. The DDMP, Dakshin Dinajpur has prepared its Plan by the District Disaster Management Authority.

Also, as per Section 31(6) of the Disaster Management Act 2005, the District Authority shall send a copy of the District Plan to the State Authority.

### **1.8 General Introduction of Dakshin Dinajpur and Administrative Section:**

Dakshin Dinajpur district is surrounded by Bangladesh of its 75% boundary in north, east & south side and by the district boundary of North Dinajpur and Malda at west and part south side for the remaining portion. Its geographical area is 2162 Sq.Km. The district Headquarter is situated at Balurghat town. It comprises 2(two) Sub-division, 1)one is Gangarampur at Buniadpur and 2)another is Balurghat (Sadar). 4(four) Blocks under Gangarampur Sub-division e.g 1]Gangarampur, 2]Banshihari, 3]Harirampur, and 4]Kushmandi and four Blocks under the Sub-division of Balurghat e.g 1]Hili, 2]Balurghat, 3]Kumarganj and 4]Tapan are located in this district. 8(eight) Police Stations, 8(eight) Panchayat Samities, 3(three) Municipalities and 64 – Gram Panchayats having 975 Gram sansads are in this district. Other particulars are given in the district profile.

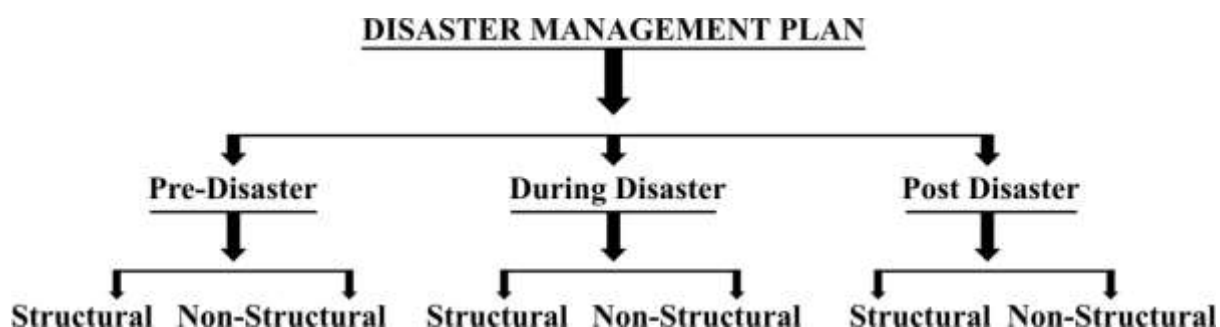
The climate of the district is hot summer with high humidity, abundant rainfall and cold weather. Summer begins from the month of April. Monsoon commences from June and continues up to the last week of September. December and January are the coldest months. The annual rainfall of the district is about 1656 mm. Major rivers are – 1] Tangan, 2]Punarbhava, 3]Atrayee and 4]Jamuna in this district. Flood is caused generally by water logging and lack of proper drainage of flood waters.



With the passage of time-changes in the approach, method and execution of relief operations during natural calamities have taken place. In the earlier occasions, contingency plan for natural calamities used to be prepared normally for flood only;in case of other natural calamities like cyclonic storm, hailstorm ,drought etc. relief operations were carried out as and when required.

Now-a-days, there is a paradigm shift in the management of flood or any other Disaster from the earlier concept of Crisis Management to comprehensive Disaster Management Plan. It is more or less holistic in nature and it involves all concerned departments , public representatives and non-governmental organizations. Its character is multidisciplinary, participatory and community-oriented in implementation , management and monitoring of programmes.

The Disaster Management plan is essentially has three stages, namely Pre-Disaster, During Disaster and post Disaster Management plan.Each of these stages is sub-divided into Structural Management Plan and Non-Structural Management Plan.



Disaster Management comprises three components, for example - Pre-Disaster, During-Disaster and Post Disaster Phases.

**Pre-Disaster** Activities will be Awareness Generation amongst the Stakeholders, taking up Preventive measures by Structural Management and Mitigation by evolving Warning System upto vulnerable localities, meticulous planning of Search & Rescue and Sheltering etc.

**During-Disaster** Activities will be Search & Rescue Operation with the help of pre-identified and trained Local Volunteers, Civil Defence Volunteers and if needed BSF, NDRF and Army etc. Next activities will be providing Shelters, First Aid if needed to the victims and thereafter arranging safe Drinking Water, Food, Medicine, etc.

**Post Disaster** It is the phase of Recovery, Rehabilitation and Reconstruction and thus more expensive. Sheltered population have to be rehabilitated in their respective villages by providing various Grants e.g. House Building Grant, Artisan Grant, Economic Rehabilitation Grant etc., restoration of Electricity, Tele-Communication, Rail-Road connectivity and thereafter reconstruction of Public Utilities, new developmental schemes aiming Disaster Risk Reduction (DRR) etc.

## Chapter 2

### Hazard, Vulnerability, Capacity & Risk Assessment (HVCRA)

#### **Meteorological / Climatological data :**

**Temperature:** Monthly mean of daily maximum temperatures ranges from 28.2 to 33.3 degree Celsius and monthly mean of daily minimum temperatures ranges from 20.8 to 25.1 degree Celsius.

#### **Humidity:**

Average Water vapour pressure is highest in July and lowest in December. Mean monthly relative humidity is 80% in the morning and 74 % in the evening.

**Rainfall :Rainfall in m.m. (From 1st June to 15th Oct) of last 10 years (2010-2019)**

| 2010    | 2011   | 2012   | 2013    | 2014    | 2015    | 2016    | 2017   | 2018  | 2019   |
|---------|--------|--------|---------|---------|---------|---------|--------|-------|--------|
| 1415.52 | 1155.1 | 1256.2 | 1039.99 | 1173.53 | 1206.77 | 1058.64 | 1391.5 | 764.1 | 1643.0 |

#### **Wind Velocity**

Wind speed in most of the days is below 20 KMPH. But gusts above 50 KMPH are also observed in association with thunder showers and active monsoon rains.

#### **Topography of the District:**

|    |   |                     |
|----|---|---------------------|
| 1  | Geographical Area                             | 2162 sq. kms.       |
| 2  | Gross Cropped Area                            | 3,18,912,00 Hectare |
| 3  | Forest area                                   | 932 Hectare         |
| 4  | Soil Group                                    | Alluvial & Laterite |
| 5  | Road  | 400 Kms.            |
| 6  | Major Rivers                                  | 4 nos               |
| 7  | Net Sown area                                 | 193224 Hec.         |
| 8  | Fallow land                                   | 1238 Hec.           |
| 9  | Land not available                            | 265513 Hec.         |
| 10 | Cropping intensity                            | 183%                |
| 11 | Area under high yielding variety seed (paddy) | 26125 Hec.          |
| 12 | Total Mouza                                   | 1990 nos            |
| 13 | Vulnerable Mouza                              | 761 nos.            |
| 14 | Rescue Center                                 | 354                 |
| 15 | No. Of Halipad                                | 11                  |
| 16 | People likely to be affected(in flood)        | 7 Lakh              |
| 17 | Country Boat available                        | 151                 |

#### **Education:**

|   |                         |           |
|---|-------------------------|-----------|
| 1 | College                 | 9 nos.    |
| 2 | Higher Secondary School | 90 nos.   |
| 3 | High School             | 57 nos.   |
| 4 | Jr. High School         | 73 nos.   |
| 5 | Sr.Madrassa             | 04 nos.   |
| 6 | High Madrassa           | 12 nos.   |
| 7 | Primary School          | 1167 nos. |
| 8 | S.S.K                   | 658 nos.  |

**THE POSITION OF MAJOR RIVERS IN DAKSHIN DINAJPUR DISTRICT:**

| Name of the river        | Atreyee | Punarbhava | Tangon  | Jamuna  |
|--------------------------|---------|------------|---------|---------|
| Preliminary Danger Level | 22.55 M | 25.22 M    | 25.00 M | 23.58 M |
| Danger Level             | 23.15 M | 25.82 M    | 25.60 M | 24.18 M |
| Extreme Danger Level     | 23.76 M | 26.42 M    | 26.21M  | 24.80M  |

**Administrative Information:**

|    |   |                                |
|----|---|--------------------------------|
| 1  | No. of Sub-Division                           | 2 (Two)                        |
| 2  | No. of Blocks                                 | 8 (Eight)                      |
| 3  | No. of Police Station                         | 8 (Eight)                      |
| 4  | No. of Municipality                           | 3 (Three)                      |
| 5  | No. of Gram Panchayats                        | 64 (Sixty four)                |
| 6  | No. of Gram Sansad                            | 972 (Nine hundred seventy two) |
| 7  | No. of identified backward villages           | 184 (One hundred eighty four)  |
| 8  | No. of ICDS Centres                           | 3231 (Running)                 |
| 9  | No. of Midday Meal Centres                    | 2231                           |
| 10 | No. of Health Subsidiary Centres              | 248 (Two hundred forty eight)  |
| 11 | No. of Bank Branches including C.C.B & A.R.D. | 68 (Sixty eight)               |

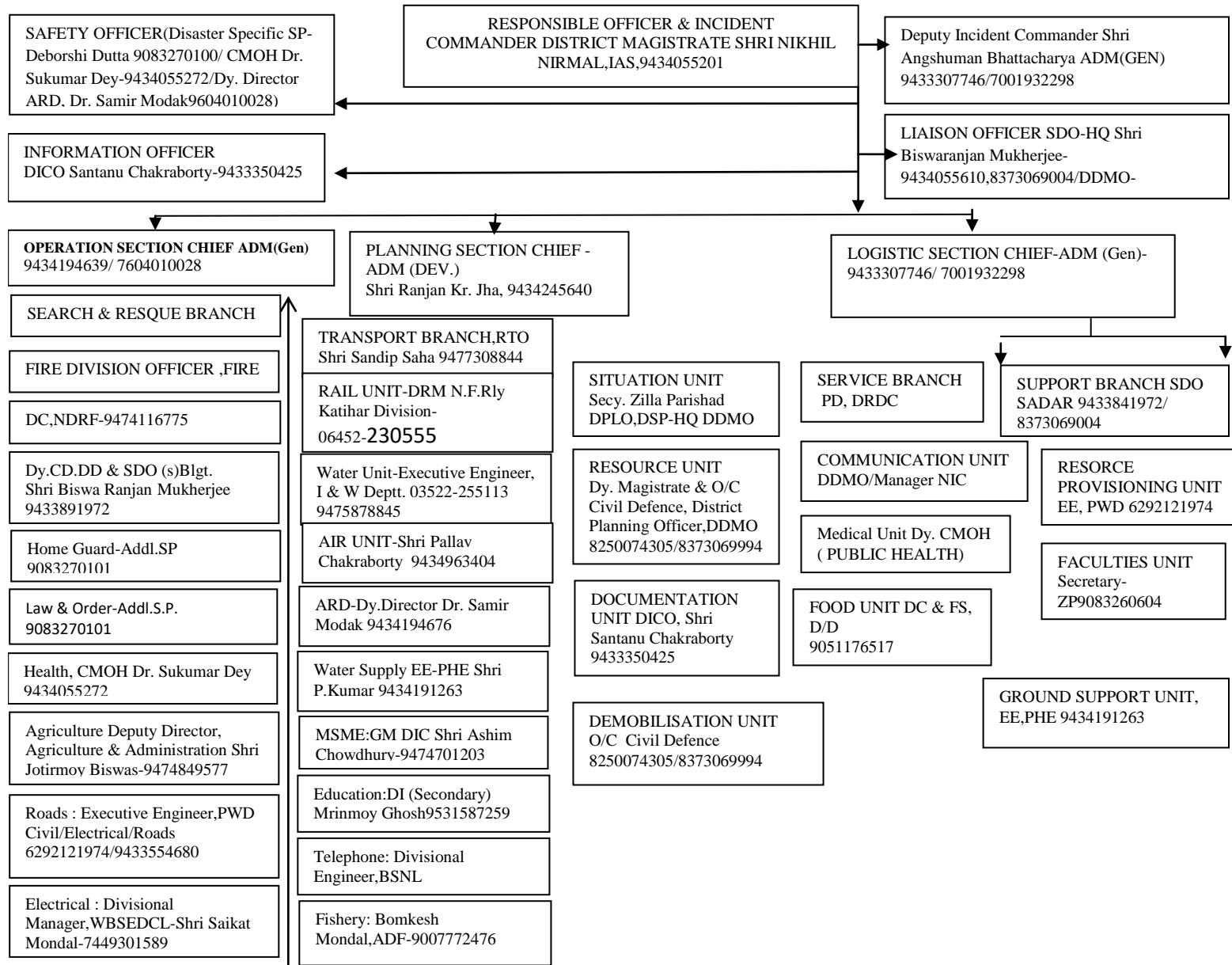
**Demographics (as per 2011 Census report) :**

| SL. No. | Demography of district        | Figures               |
|---------|-------------------------------|-----------------------|
| 1       | Population                    | 16,71,131             |
|         | Male                          | 855049 nos            |
|         | Female                        | 815827 nos.(Other-55) |
|         | S.C                           | 28.78%                |
|         | S.T                           | 16.12%                |
| 2       | Literacy percentage           | 73.86%                |
|         | Male                          | 79.63%                |
|         | Female                        | 67.81%                |
| 3       | Population density /sq.km     | 772.86                |
| 4       | Population below poverty line | 113227                |
| 5       | Cultivators                   | 189814                |
| 6       | Small Farmers                 | 39109                 |
| 7       | Marginal Farmers              | 101700                |
| 8       | Agricultural Labourers        | 220344                |
| 9       | Artisans                      | 29730                 |
| 10      | Other Workers                 | 171179                |

| SL    | Name of Block            | Population |        |        |       | 0 - 6 Population |       |        |       | Literacy |        |        |        |
|-------|--------------------------|------------|--------|--------|-------|------------------|-------|--------|-------|----------|--------|--------|--------|
|       |                          | Total      | Male   | Female | Other | Total            | Male  | Female | Other | Total    | Male   | Female | Others |
| 1     | Hilli                    | 83760      | 42972  | 40784  | 4     | 7802             | 4011  | 3791   | 0     | 58557    | 32516  | 26039  | 2      |
| 2     | Balurghat                | 246754     | 126638 | 120115 | 1     | 22632            | 11524 | 11108  | 0     | 167616   | 93554  | 74061  | 1      |
| 3     | Kumarganj                | 169126     | 87201  | 81914  | 11    | 17951            | 9246  | 8705   | 0     | 114093   | 62895  | 51192  | 6      |
| 4     | Tapan                    | 248595     | 127604 | 120788 | 3     | 26491            | 13641 | 12848  | 2     | 154770   | 86023  | 68757  | 2      |
| 5     | Gangarampur              | 237627     | 122989 | 114632 | 6     | 28749            | 14869 | 13880  | 0     | 151516   | 84747  | 66767  | 2      |
| 6     | Bansihari                | 141297     | 72243  | 69054  | 0     | 16750            | 8540  | 8210   | 0     | 86779    | 48642  | 38137  | 0      |
| 7     | Harirampur               | 133893     | 67631  | 66259  | 3     | 18202            | 9240  | 8962   | 0     | 76510    | 42728  | 33782  | 0      |
| 8     | Kushmandi                | 198724     | 100294 | 98429  | 1     | 24935            | 12827 | 12108  | 0     | 115413   | 63866  | 51546  | 1      |
| 9     | Balurghat Municipality   | 153049     | 76600  | 76430  | 19    | 9530             | 4842  | 4688   | 0     | 131679   | 67733  | 63962  | 4      |
| 10    | Gangarampur Municipality | 56175      | 29097  | 27071  | 7     | 5165             | 2732  | 2433   | 0     | 43427    | 23577  | 19846  | 4      |
| 11    | 28 Bn BSF                | 1224       | 1049   | 175    | 0     | 80               | 47    | 33     | 0     | 1143     | 1004   | 142    | 0      |
| 12    | 57 Bn BSF                | 907        | 731    | 176    | 0     | 87               | 43    | 44     | 0     | 820      | 688    | 132    | 0      |
| Total |                          | 1671131    | 855049 | 815827 | 55    | 178374           | 91562 | 86810  | 2     | 1102323  | 607970 | 494363 | 22     |

## Chapter - 3 Institutional Arrangements for Disaster Management(DM)

### INCIDENT RESPONSE TEAM DISTRICT LEVEL



## **Chapter - 4**

### **Prevention & Mitigation Measures**

#### **4.1 Introduction:**

Disaster Mitigation contributes to lasting improvement in safety and is essential to integrate disaster management in mainstream planning. Broadly mitigation ways can be divided into two parts i.e. structural measures and non-structural measures. Structural measures are undertaken to strengthen buildings, lifelines and infrastructure to withstand any hazard. Non-structural measures emphasise on land-use pattern, programmes for sustaining awareness, dissemination of information, materials on do's and don'ts at the time of disaster. Once the area has been identified as hazard prone, it becomes important that the government and the community should practice these above-said measures. Based on this ideology, mitigation plan may vary according to hazards. Dakshin Dinajpur District is considered prone to disasters like lightning, fire & snake-bite related hazards.

#### **4.2 Disaster Mitigation Measures:**

As the district of Dakshin Dinajpur lies in Zone I, risk gets compounded when hazard meets with Vulnerabilities like high dense population, weak physical structures and conventional construction without application of technologies. This district is vulnerable to high degree of lightning & snake-bite occurrences. Therefore it is important to consider both primary and secondary effects into disaster mitigation planning. So, an effective mitigation planning is necessary to reduce the risk factors involved with the specified hazards. For efficient disaster mitigation, the pre-disaster phase needs to be utilized for planning and implementing preventive measures on the one hand and working on preparedness activities on the other. Disaster is caused due to failure of manmade structures, lack of preparedness and awareness. So far, disaster mitigation efforts are mostly reactive.

#### **Mitigation Measures:**

Mitigation embraces all measures taken to reduce both the effect of the hazard itself and the vulnerable conditions too in order to reduce the scale of a future disaster. Mitigation aims at reducing the physical, economic, social managements & turbulent situations and threats with other underlying causes for the vulnerabilities.

#### **A Structural Mitigation Measures:**

Building should be strictly conformed to the building by-laws. For an existing building, retrofitting or seismic strengthening is the only solution to make it Disaster resistant. In the district all lifeline buildings such as major hospitals, schools, District Administrative Offices and the vital installations shall be retrofitted. A panel of expert shall be approached for assessing the structure and to suggest the type of retrofitting required. Illegal constructions, encroachments, unapproved additions, alterations etc of residential building and conversion of residential building into commercial purpose etc shall be checked by the concerned authorities with strict measures. These unauthorized activities may lead to disaster in that particular urban area. Mitigation measures should be an implementation part of DM Policy.

- ☐ Strengthening of life line buildings.
- ☐ Retrofitting of school and life line buildings.
- ☐ Preparation of DM Plan at the district, Block and Village level inclusive of all the schools in the district.

## Sector wise structural mitigation measures

| Sector                                   | Mitigation measures  | Responsible Department                                      | Time Frame                                  |
|--|--|---|---|
| Information, Education and Communication | Distribution of leaflets, posters and wall painting. Awareness generation programme in schools and colleges, conducting various competitions and rallies.                  | District Administration                                     | All the Year round (with regular intervals) |
| Road                                     | Identification/ repair of main and alternative routes. Repair of vulnerable points. Conversion of Village roads to Pucca Roads.  | PWD(Roads)  | During normal course of time                |
| Embankments                              | Strengthening and raising the height of weak embankment points. Storage of flood fighting materials.   | Irrigation Department                                       | During pre flood season                     |
| Bridges                                  | Regular maintenance of Bridges   | Irrigation Department                                       | During normal course of time                |
| Communication                            | Ensuring proper maintenance of telephone, fax, WLL Phones wireless & VHA etc   | BSNL, AIRTEL. VODAPHONE, JIO, RELIANCE, Dist Administration | During normal course of time                |
| Drinking water & Sanitation              | Assessment of running/defunct tube wells and making necessary arrangements, identifications of scarce water pockets, installation of water supply system.                  | PHE   | Throughout the year                         |
| Power                                    | Ensuring maintenance of Electric Stations and Power Grids.   | WBSEDCL   | Throughout the year                         |
| Vaccinations                             | Procurement and stock piling of vaccines. Regular vaccination of domestic animals. Regular disinfection of wells and ponds.  | ARD & PHE.  | throughout the year                         |
| Logistics                                | Imparting trainings on healthcare, sanitation, insurance, first aid to medical staff as well as to the volunteers. Liaison with district administration for allotment etc. | Health  | Pre & during disaster period                |

## **B] Non-Structural Mitigation Measures:**

### **i) Land Use Pattern**

Damage of buildings depends primarily upon the soil conditions and topology of the area which are moderately favorable in the district. Anyhow, to analyze risk within district microzonation planning should take place. It will help to guide modify land use planning in the district accordingly.

### **ii) Capacity Building and awareness generation**

A very few experts in mitigation planning are there in a country. We must focus our attention on the institutional and manpower development at all levels. There is a need to train architects, engineers, planners and masons in developing safe housing and infrastructure facilities. Manuals have also been developed outlining methodologies for new constructions and retrofitting of old ones.

### **iii) Insurance**

Insurance brings quality consciousness in the infrastructure and a culture of safety by insisting on following the building codes, norms, guidelines, quality materials in construction. It would enforce safety standards by bringing accountability. Hazardous area should be announced, notified and publicly displayed so that people would be motivated not to settle in those areas and insurance be mandatory in insurance prone areas.

### **Pre-Disaster Period:**

| <b>Preparation</b>   | <b>Objectives</b>  | <b>Action to be initiated by</b>    |
|--|--|-------------------------------------|
| Convening District Level Committee on natural calamity in the month of May             | To suggest the list of relief works to be undertaken, advise on the precautionary measures to be taken, directions for stocking of food grains in strategic or key points. | District Emergency Operation Center |
| Identification of vulnerable points according to the expected disaster.                | Repairing of breaches, stocking of the sand bags, alerting people near highly vulnerable pockets.  | Executive Engineers                 |
| Identification & Indent of essential commodities for the inaccessible/scarcity pockets | Stocking of foodgrains and other essential things in GP headquarters   | District Controller( F & S)         |
| Selection of Shelters  | Arrangements for shelter during emergency  | Block Development Officers          |
| Requirement of medicines, formation of mobile teams, identifying epidemic areas        | Stocking of medicines and deputation of personnel.   | CMOH                                |
| Arrangement of food and fodder for the cattle  | Stocking of the same   | Asstt. Director, ARD                |
| Organizing Mock drills   | Awareness generation and practice  | District level Officers             |



**Immediate pre disaster:**

| <b>Preparation</b>  | <b>Objectives</b>   | <b>Action to be initiated by</b>   |
|---|---|--|
| Receipt of information  | From IMD/SRC control room/DEOC  | DEOC   |
| Dissemination of information  | From DEOC to all Concerned/BDOs/Line Depts.                                     | DEOC, Head of line depts. SDOs,BDOs,EOs etc.   |
| Immediate setting and operation of Control Room round the clock. Rescue and evacuation              | To evacuate vulnerable people to identified shelters and arrange logistic items | Civil Defence Unit, Police Personnel, Armed Forces, Fire Officers, Red-Cross Team are to be readied themselves with rescue kits. |
| Arrangement of free kitchen   | To provide immediate feeding to the evacuated people                            | BDOs/CDPOs/NGOs  |
| Sanitation and medicines  | To prevent epidemics and infections   | CMOH,Executive Engineer (PHE)  |
| Ensuring transportation of relief materials to affected pockets                                     | To ensure that the relief materials reach in time to the affected people        | SDO/BDO/EO/G.P.Secy.   |
| Ensuring safety of life and belongings  | To prevent anti-social activities   | SP/DSP/Inspector and SI of the affected Blocks/NGOs  |
| Ensuring availability of safe drinking water, provision of health facilities and minimum sanitation | To check the onset of epidemics   | Executive Engineer(PHE) & CMOH   |
| Meeting of field level officers in every 24 hours to review the situation                           | Better co-ordination  | DDMC at district level and SDDMC at sub-divisional level   |
| Collection of information by the core group of the EOC and daily reporting to concerned officers    | Triangular linkage between field, district and state control room               | Core group of EOC/Officers of line departments   |
| Estimation of number of vehicles- Light /Medium /Heavy  | To ensure smooth transportation for relief works                                | RTO  |
| Arrangement of road cleaners/power saw and other essential equipments                               | To clean the roads, cut the fallen trees, clear the debris etc.                 | RTO, Executive Engineer PWD, CPWD.   |
| Arrangement of trucks loaded with generators  | To move to the field immediately after the disaster is over                     | Civil Defence  |

**During Disaster:**

| Objective                                 | Action to be initiated by                         |
|---|---|
| To rescue the trapped and injured persons | QRT Members, CD Volunteers & all the Stakeholders |
| To mitigate the effects of the disaster   | District Control Room, all Line Depts.,           |
| To review the rescue and relief work      | Civil Defence in liaison with Blocks.             |

**Post Disaster:**

| Preparation   | Objective   | Action to be Initiated by  |
|---|---|--|
| Distribution of relief as per provisions  | To provide food and other essential commodities for survival                                | BDOs, EO, NGOs   |
| Assessment of Damage  | To ascertain the exact loss for reporting to the govt.                                      | All line Depts., SDOs, BDOs,EOs, Executive Engineers,  |
| Monitoring the relief operations organized by External Agencies/UN Agencies/Red Cross / NGOs /Other States etc.by the Dist. Authorities | To maintain uniformity of relief administration   | District Magistrate  |
| Restoration of communication – Roads & Railways   | For timely and Prompt delivery/transportation of relief articles/deployment of rescue teams | Executive Engineers of concerned Depts., Military and Paramilitary Forces, Police Personnel. |
| Restoration of electronic communication system  | To ensure proper co-ordination linkage  | BSNL,Technocrats of police signals   |
| Immediate arrangement of free kitchen for the affected people   | To avoid starvation   | BDOs, EO, NGOs   |
| Documentation of the entire event-Written, Audio, Video   | For reporting purposes and institutional recalling  | BDOs, EO, NGOs   |
| Monitoring  | To review the relief works and remove the bottlenecks                                       | DM,SDOs,BDOs, EO   |

**4.3 Measures to be Taken - NATURAL DISASTERS**

The natural disasters have widespread damage potential and may or may not come with pre warning. Hence the District Disaster Management Plan should be immediately activated to ensure minimum loss of life and property.

**Cyclone / Storm****Functioning of Control Rooms:**

- ☐ From the start of June, the Control Room will be operational 24X7 at the District.
- ☐ During normal time Control Room should monitor the preparedness activities during predisaster, disaster & post disaster, dissemination of early warning on cyclone situation received from Revenue Authorities.
- ☐ Ensuring initiation of implementation of public health measures, monitoring trend of diseases and to cope with any situation arising out of disaster.
- ☐ The line list of district QRT & block QRT with mobile No. of key nodal persons in the cut off areas should be available at district level.

**Preliminary Actions on alert signal from IMD, RMC Alipur, Kolkata:**

- ☐ Identification of likely affected areas
- ☐ The entire areas of Dakshin Dinajpur District is likely to be affected by cyclone being put to it under High Damage Risk Zone – IV.

- ☐ After receiving alert from meteorological departments, arranging broadcast & telecast of the information about cyclone strike on Radio, TV channels and loud speakers mounted on Civil Defence Police Jeeps. Contacting Police Department and instructing them to inform general public in their respective areas (beats).
- ☐ Moving people from high risk areas to identified flood shelters, rescue shelters in lower risk areas.
- ☐ Arranging food, water and medicine at designated flood shelters, rescue shelters.

### **Casualty Services & Contingency Plan for Medical Relief Centre:-**

- ☐ During disasters arrangements should be made to provide casualty services 24X7 at all health institutions.
- ☐ Contingency plan to open medical relief centers (MRC) at strategic places to be made in advance. Those centers should be located at strategic places, so that they can render services to disadvantaged population where existing infrastructures are likely to be ineffective.
- ☐ Experiences on disasters like cyclone/flood epidemic should be shared for use as a part of it & incorporation in the next year planning.
- ☐ Mobile Medical team should render services regularly to displaced persons at their place of shelter and in marooned villages.
- ☐ Steps may be taken to make the people aware about the availability of services of 102 ambulances in the districts wherever it is available.

### **Ambulance Services:**

- ☐ All the Ambulances of different health institutions of the districts should be kept in readiness.
- ☐ Simultaneously, other vehicles have got to be repaired & kept in road worthiness as far as practicable so that they can be pressed into service during emergency situation.
- ☐ In case of non-availability of institutional ambulances, the ambulances may be hired using Unutilized/ RKS fund of NRHM.
- ☐ Wherever 102 ambulance services are available it must be utilized for referral cases.

### **Monitoring action during cyclone**

- ☐ Contacting the Fire Brigade Control Room and collecting details of phone calls received during the cyclone. This will help in assessing the magnitude of damage.
- ☐ Contacting Power Deptt. & instructing them to cut-off electric supply wherever there are overhead wires, to prevent short-circuiting and casualties due to electrocution.
- ☐ Contacting telecommunication department to assess any disruption in the network.
- ☐ Contacting Police to ensure that all roads are free from obstruction as far as practicable.

### **Calling off emergency**

- ☐ Contacting IMD & RMC, Alipur, Kolkata and obtaining confirmation that the cyclone risk is over.
- ☐ Organising teleconferencing / meeting with the officials of Fire & Emergency Services and WBSEDCL & taking stock of the situation.
- ☐ Instructing the WBSEDCL authority to resume power supply safely region by region and give feedback.
- ☐ Broadcasting/telecasting "all clear" on radio/ TV respectively.

## **Flood**

Floods are natural calamities that have the potential to cause widespread damage to human beings and property. Flood planning is perhaps the best protection against flood damage. Floods occur after a pre-warning, enabling advance action.

### **Some of the important pre-actions are:**

- ☐ On receiving the flood alert information, the District Magistrate is in prompt readiness to issue a flood alert to the Superintendent of Police, SDOs, BDOs, EOs of Municipalities.
- ☐ The BDOs are to be asked to immediately apprise the people living in the low lying areas about the possibility of flood.
- ☐ Informing general public about flood situation through radio broadcast or over local cable TV network.
- ☐ Additional District Magistrate in charge of Disaster Management co-ordinates with the Chief Medical Officer of Health.

- ☐ Ensuring through the BDOs that the complete evacuation of the locality / village in low-lying areas has taken place.
- ☐ The BDOs are to ensure that the flood shelters & relief centres have the basic amenities to prevent spread of diseases as well as provide first aid to the injured at the relief centre.

**Main actions during flood should be:**

- ☐ In the event of a flood / inundation due to incessant rains it should be ensured that the roads leading to the areas where the water accumulation is possible are completely cordoned off.
- ☐ All the entry points i.e. road entry points from the National Highway, should have name of villages and the areas which are inundated.
- ☐ In the event of flood or damage due to heavy rains the traffic suspension signal should be passed on to the neighbouring districts.
- ☐ The information should be relayed well in advance in order to prevent jamming of the road in any section of the National Highway / District Road.
- ☐ Apart from the road network being affected it is also likely that the train traffic could also get affected. In the event of the same, it should be ensured that information pertaining to the flood or damage to the bridge or inundation on the tracks alert should be relayed to the Divisional Railway Manager, North Frontier Railways, Katihar Division.
- ☐ Severing electrical supply to prevent electrocution

**Post Flood actions include:**

- ☐ Clearing of debris and carcasses of animals and dispose suitably, to prevent outbreak of epidemic.
- ☐ Re-establishing communication link and other services like electricity, transport.
- ☐ Introducing vaccination to persons against water borne disease.
- ☐ Inspect all road and rail bridges for worthiness before opening the same for general public.
- ☐ The railways should inspect the railway lines for their worthiness and for the relief trains to pass.

## **Drought**

**Drought Management:**

**Drinking Water**

- ☐ There should not be shortage of drinking water
- ☐ Drilling rigs should be deployed over drought affected areas for digging adequate no. of wells at strategic points.
- ☐ Tankers with potable water should be provided to the affected rural areas making 3-4 rounds during the day.
- ☐ Installation and repairing of Hand Pumps

**Contingency Crop Plans**

- ☐ Choosing suitable crops/crop varieties
- ☐ Alternative crop strategies
- ☐ Agriculture Officer should seek out contingency plan from the Ministry of Agriculture and provide awareness to the farmers.

**Livestock Management:**

- ☐ Herds of sheep and goats recover fast, but cattle, buffaloes etc. grow slowly in numbers
- ☐ Department of Animal Husbandry should ensure the provision of adequate fodder for protection of livestock
- ☐ Farmers can use sugarcane husk, sunflower heads, groundnut/red gram/green gram etc. as cattle feed

**Drought Proofing:**

- ☐ Harvest rain, involve communities, move from 'drought management' to 'monsoon management'
- ☐ Building of dams and improving irrigation systems
- ☐ Reviving and strengthening traditional knowledge in water harvesting and conservation if possible.
- ☐ If the runoffs of forest areas, mountains and other uninhabited terrain can be harvested, the potential for rainwater harvesting becomes abundant and available in large quantities.

- ☐ Making available adequate no. of tanks/ponds in villages for recharging ground water
- ☐ Large scale water harvesting must be put up a brave front with higher priority as running water gets lost in huge amount due to evaporation, infiltration into soil etc.
- ☐ A large no. of micro catchments (E.g. 0.1 hectare) provide larger amount of rainwater harvested than a larger catchment though the land area remains the same.

### **Drought Measures:**

- ☐ Strengthening of long range, medium range and short range forecasting of monsoon by IMD at Meteorological Sub-Division, District and Block level.
- ☐ Artificial recharging of ground water, watershed programmes in privately owned small/marginal farms, laying of pipes/channels for exclusive transportation of water to dry areas.
- ☐ Programme for reconstruction and preservation of traditional water harvesting structures, construction of canals for transportation of water from surplus to non-surplus areas, establishment of cost-effective drip /sprinkle irrigation practices etc.
- ☐ Ensuring provision of medicines and critical health care in the risk prone areas during drought for humans and animals.

### **Earthquake**

Earthquakes present unique problems as they upset the complete infrastructure necessary for rescue and restoration of normalcy. For example, it could prevent emergency personnel from reaching victims, it increases the risk of fire and electrical shock, could result in complete failure of the telephone and other communication systems, disruption of water supply for firefighting / other reasons, and increases the possibility of pipelines carrying petroleum oils to force open. It could, in addition, prevent ambulances from evacuating victims, fire personnel from reaching the fire affected areas that result in major structural debris causing secondary damage and most importantly, could affect the entire emergency organization that is geared up for handling emergencies. The main actions for earthquake incidents include preventive (pre-incident), during incident and post incident actions. Each earthquake, depending upon its intensity (as measured on the Richter/ modified Mercalli Scale) would have different extent of damage.

### **Some of the pre-actions that are important include:**

- ☐ Basic earthquake related training to staff (behavior during earthquake, how to recognise, dos' and don'ts)
- ☐ As blackout is possible, a kit containing flashlights, portable radio, basic tools, should be available for emergency.
- ☐ Basic precautions such as sitting away from wall, hanging items, bolting of almirahs to the wall rather than loosely lying cupboards, pasting tape to the glasses to avoid excessive shattering.
- ☐ Application of science and technology and engineering inputs to improve building design, construction and sitting arrangement.
- ☐ Conducting extensive public awareness programme and dissemination of information about risks, preparedness and mitigation measures.
- ☐ Installing devices that will keep breakages in electrical lines and gas mains from producing fires.

### **Actions immediately after tremors:**

Actions during an earthquake would depend upon the severity of the quake and the extent of damage-however, the basic steps for safeguarding life safety (top most criterion) include: Activation of the fire orders, for fires are likely in case of major earthquakes. Pipelines would be expected to rupture as also storage tanks - this would result in a large-scale spillage and possible fires. The fire fighting system is likely to be incapacitated. In addition, power supply may be (most likely) cut off.

### **The main action would involve:**

- ☐ Stopping any pumping of oil from ship tankers say in NMPT, if in progress
- ☐ Stopping oil pumping through the Mangalore-Bangalore pipeline from the main control room.
- ☐ Cutting off the power supply (if not cut off on its own already) to avoid electrical shocks, fires, etc.
- ☐ Halting any road / rail tanker filling operations, if in progress.
- ☐ Sending away road tankers to safe zones.

- ☐ Any major oil spillage could also overflow the dyke walls and spread around. Halting or minimising this flow of oil may be attempted where practical and without endangering human life.
- ☐ Setting up of a call-receiving centre in addition to the DECR.
- ☐ Flashing the telephone number over the local cable TV as well as the Doordarshan Channel.
- ☐ Issuing a warning over the Radio regarding the earthquake and the future possibility of after shocks.
- ☐ Rushing rescue team to affected area to retrieve entrapped persons with the means available.
- ☐ Rushing the injured to hospitals
- ☐ Getting feedback from the Municipal Corporation regarding the affected areas and Colonies.
- ☐ Getting a feedback from the District Education Officer on the conditions of the schools
- ☐ Calling all the doctors and putting them on Standby alert.
- ☐ Recalling all the vehicle of the district and using them for reaching the various affected areas.
- ☐ Interacting with the Red Cross organisation for mobilising the doctors in **Dakshin Dinajpur**.
- ☐ Contacting the DG set operators and asking them to be on Standby for supplying the generators.
- ☐ Dispatching the Police units to the worst affected areas.
- ☐ Requesting the Army to help in the relief operations.
- ☐ Getting the searchlight operators to supply the searchlights.
- ☐ Tents and Plastic sheets suppliers should be contacted to keep the same ready.
- ☐ Medical Outpost should be set up near the affected are .
- ☐ The triage area should be marked clearly so as to enable the ambulance staging
- ☐ The fire tender approach area as well as the other relief material vehicle area should also be identified
- ☐ All the approach roads to the major collapsed structures should be kept / made free.
- ☐ Crack teams should be identified which have probe Cameras for locating the dead and the injured in the rubble
- ☐ Sniffer dogs should also be called from the neighbouring district to locate the injured
- ☐ Concrete cutters should be brought for cutting through the concrete rubble to reach the injured in the collapsed building(IDRN updated list should be followed.)
- ☐ The highway should be sealed.
- ☐ Setting up of field hospitals in the affected areas and deployment of mobile hospitals
- ☐ Arrangement for food, clothing, blanket / bedding, drinking water, sanitation and hygiene, lighting arrangements and essential medicines
- ☐ Mobilization of specialized equipment and machinery to the affected areas
- ☐ Cordoning off affected areas with control of entry and exit
- ☐ Establishment of Temporary shelters for evacuees
- ☐ Setting up of field hospitals in the affected areas and deployment of mobile hospitals
- ☐ The neighbouring district administration should be informed about the disaster
- ☐ The power supply should be immediately cut-off in the affected areas
- ☐ The water mains should be blocked to ensure that the collapsed structures do not get flooded as a result of breakage of water pipeline.
- ☐ Information should be gathered from the Civil Hospital about whether it has suffered any structural damage or weakening.
- ☐ All the private clinics / hospitals should be asked to keep the beds empty so as to ensure that the patients can be received for medical treatment.

**For general public, important instructions should include:**

- ☐ Get under a heavy table or desk and hold on, or sit or stand against an inside wall if inside the building and if unable to come out. If possible to come out without difficulty, assemble outside the building to avoid fatality due to structural collapse.
- ☐ Keep away from windows as these may shatter/crack resulting in possible injury.
- ☐ If outdoors, stay away from tall objects (lighting poles, pipe racks, structural roofs) falling debris, trees and power lines.
- ☐ Tanker Truck drivers should drive to a clear spot and stay in the vehicle.

**Post-earthquake actions:**

Post-earthquake actions are extremely important and these include:

- ☐ Cleaning up of the debris and rescue of people who are alive
- ☐ Making arrangement for the Morgue

- ☐ Sitting in the open area where the tents can be put up
- ☐ Aftershocks apprehended. They are just as serious as the main earthquake.
- ☐ Putting on shoes to protect from broken glass, chappals are to be avoided at any cost.
- ☐ Checking for casualties and fires (secondary fires could be raging).
- ☐ Using a flash light to inspect for damage.
- ☐ Should not go into damaged areas unless specifically trained to do so.
- ☐ Should not use telephones except in emergencies.
- ☐ Should not use vehicles except in emergencies.
- ☐ Using a portable radio for obtaining information
- ☐ Assisting in rescue of co-workers and other persons who could be present at the installation as per the Fire Orders.
- ☐ Restoration of basic infrastructure facilities in the footholds like ports, airports, power stations etc.
- ☐ Identification of the trauma cases and counselling them appropriately
- ☐ Special attention to ladies, children and elders
- ☐ Arrangements for distribution of gratuitous relief and cash doles

## **Chapter 5**

### **Preparedness Measures**

**5.1 Introduction:** Disaster causes sudden disruption to the normal life of society and causes damage to the properties and lives to such an extent that normal social and economic mechanism available to the society get disturbed. Those who are unaware and unprepared generally get affected more due to their lack of knowledge and physiological pressure. Hitherto, the approach towards coping the effects of disasters has been post-disaster management, involving many problems related to law and order, evacuation, communications, search and rescue, fire-fighting, medical and psychiatric assistance, provisions of relief and shelters etc. After initial trauma next phase starts with long-term reconstruction planning which takes about 5 to 6 years to normalize the life-style in a particular area. In view of these problems the district administration, has prepared a comprehensive plan. The plan basically detailed out preparedness strategy under which communities and district authorities would be prepared so that level of destruction and unnecessary delay in relief and response can be reduced. The preparedness measures include setting up of disaster relief machinery, formulation of community preparedness plans, training to the specific groups and earmarking funds for relief operations.

#### **5.2 Identification of Stakeholders involved in Disaster response in Dakshin Dinajpur:**

| Sl.NO | Stakeholders                | List  |
|-------|-----------------------------|---|
| 1     | Government Departments      | . NBDD<br>.Department of Police<br>. Zilla Parishad<br>. Forest Dept<br>. District Health and Family welfare<br>. Food and Supplies<br>. Fire Services,<br>. Fisheries<br>. Sericulture<br>. Animam Resources Development<br>. Agriculture<br>. Horticulture<br>. Agri-Irrigation<br>. Agri-Mechanical<br>. Irrigation and Waterways<br>Civil Defence<br>P H E<br>PWD<br>PWD(Roads)<br>PWD(Electrical)<br>CPWD<br>WBSedCL<br>TELECOM<br>RTA<br>Commandants,<br>183 & 199 Bn BSF<br>District IAG |
| 2     | Disaster –prone Communities | .Gram Panchayat and Municipality  |
| 3     | Other Basin Communities     | PRI   |
| 4     | Scientific Institutions     | Krishi Vigyan Kendra  |
| 5     | Registered NGOs             | Red Cross,Lions Club etc.   |
| 6     | Voluntary Organizations     | IAG, Dakshin Dinajpur   |
| 7     | Others                      | Various Clubs   |

### **5.3 Components of Administrative Preparedness:**

Administrative preparedness is another very important issue which helps in reducing relief and response time in a disaster situation. Preparedness plan is based on below-given components.

- ☐ Employing the science and art in operational procedures, readiness of facilities, equipments and stores in advance
- ☐ Maintaining response inventory of equipments and materials required for response
- ☐ Assignment of responsibilities to agencies and organizations
- ☐ Advanced arrangement of training of crisis group members, desk officers and officers of respective departments likely to be assigned management duties
- ☐ Specialized trainings of district disaster management committee members, officials, community organizations through seminars and workshop
- ☐ Training of taskforces
- ☐ Raising community awareness
- ☐ Improving response mechanism through conducting drill exercises etc
- ☐ Annual updating of District and community level plans.

### **5.4 Response & Evacuation of disabled – availability of assistive devices And technologies:**

India has a large constituency of persons with disabilities and other vulnerable groups who are presently excluded from emergency planning and response services due to lack of adequate accessible infrastructure and trained manpower. In India alone, as per 2001 Census, there are around 2.19 crore disabled people, constituting 2.13 % of the total population of the country (Disability India Information Resources, 2007) However, this figure can be estimated to be lesser than the actual due to under reporting of large spread and prevalent ones. It is Imperative that the Government of India, through the NDMA adopt measures to remedy the situation.

India has a broad legal framework which requires emergency services and resources to be made accessible for persons with disabilities. Part III of the Constitution of India, which deals with the fundamental rights of citizens, recognizes the principle of equality of all people.

**Information and Communications Technology (ICT) tools** can be used for forecasting as well as imparting timely warning of disasters. The scope of this section needs to be broadened to include information and communication technologies easily accessible to the general populace and people with disabilities.

### **5.5 Activation of Incident Response System in the district :**

The Incident Response System (IRS) is an effective mechanism for reducing the scope for adhoc measures in response. It incorporates all the tasks that may be performed during DM irrespective of their level of complexity. It envisages a composite team with various Sections to attend to all the possible response requirements.

## **CHAPTER 6** **CAPACITY BUILDING AND TRAINING MEASURES**

### **6.1 Training:**

One of the main features of the District Disaster Management Plan is the training to all the personnel identified in the emergency organisation as well as bringing about awareness in the general public who may be affected by any disaster.

The following functional aspects have to be included in a training programme.

- ☐ Initial Notification
- ☐ Communication
- ☐ Public Alert and Warning
- ☐ Fire and Rescue Services
- ☐ Emergency Public Information
- ☐ Evacuation



- ☐ Protective Shelter
- ☐ Enforcement of Law and Order (Police Services)
- ☐ Public Works and Resource Services
- ☐ Recovery / Re-entry

## **6.2 Emergency Response Training:**

Extensive planning will be effective only if people are properly trained in all aspects of the plan, the role in its implementation, and how the tasks are to be co-ordinated. The development and conduct of a training program for the emergency organisation is vital to emergency preparedness. Emergency response teams and medical personnel must all be trained. Classroom type lectures, demonstrations, and participation in exercises that test the adequacy of the plan are essential to maintenance of a well-prepared team of emergency response personnel. To minimise the extent of the training needed, the emergency organisation position has been developed so as to keep the emergency duties parallel to the individual's day-to-day responsibilities wherever possible. Initially, the in charge of emergency services like the Fire Chief or Police Chief would be the head of the first responder organisation. However, as the full emergency response organisation is deployed, the responsibility and function of the Emergency Management Co-ordinator is transferred to the Deputy Commissioner of the district.

It is the responsibility of the district administration to identify the training needs of the various members of the emergency organisation. It is best achieved by comparing the normal duty of the person and the duties he is expected to carry out during any emergency.

One weakness common to many training programs is the inadequate attention paid to personnel changes in the emergency organisation through local transfers and new appointments and transfer of personnel. Training for volunteer, emergency responders like Home Guards and other social service organisations also presents more difficulties than for paid full-time emergency workers, because of the time restrictions and lack of funds.

The goals of any training program are to ensure that participants obtain a thorough understanding of their plans and procedures, and develop the leadership and communication skills necessary for confident decision making during stressful situations.

A well-developed and coordinated training program is required. Co-ordination of training programs conducted by corporate, plant, local, and possible State organisation is recommended to avoid costly duplication of effort. The frequency of emergency response personnel training greatly influences the capability to respond during a test or actual emergency.

The main elements of a good training program are:

- ☐ The development of training program goals.
- ☐ The identification of target (common) training groups
- ☐ The establishment of group-specific, task-oriented training objectives
- ☐ The preparation of student training manuals and visual aids.
- ☐ The preparation of individual lesson plans, including hands-on experience, if appropriate.
- ☐ The establishment of a training schedule.
- ☐ The evaluation and correction of the training program.

A good training program provides initial training for all tasks, it should provide periodic refresher training for those who have been given the initial training, and also should provide for the training of new personnel who may be inducted from time to time.

## **6.3 Community Awareness and Community Preparedness Planning :**

The hazard analysis of the district indicates that there is a high need of community awareness through public awareness programmes on the following themes of disaster:

- ☐ Types of disasters and basic do's and don'ts related to those disasters
- ☐ Post disaster epidemic problems
- ☐ Construction and retrofitting techniques for disaster resistant buildings
- ☐ Communication of possible risk based vulnerable areas in the district

☐Evacuation related schemes and community preparedness problems

Volunteers and social organizations also play a vital role in spreading mass scale community awareness. Media can also play an important role in raising awareness and educating people.

Community Disaster Management Planning is one of the vital components of community preparedness. It involves all important parameters related to hazard awareness, evacuation planning, resource inventory, community level task forces and committees etc which helps community members in organizing themselves to combat disaster in a pre-planned manner. Preparation of community plans encourages & promotes preparedness planning at community level.

#### **6.4 Conducting of Mock Drills:**

As per Section 30 (2) (x) of DM Act 2005, the District Authority shall review the state of capabilities for responding to any disaster or threatening disaster situation in the district & give directions to the relevant departments or authorities at the district level for their up gradation as may be necessary.

As per Section 30 (2) (xi) of DM Act 2005, the District Authority shall review the preparedness measures & give directions to the concerned departments at the district level or other concerned authorities where necessary for bringing the preparedness measures to the levels required for responding effectively to any disaster or threatening disaster situation.

Awareness Generation, Prevention and Mitigation Measures, Training and Capacity Development, Conduction of Mock Drills are vital activities to be covered under Pre- Disaster Phase of the Disaster Management Cycle. Mock-drills help in evaluating response and improving coordination within various Government Departments, Non-Government Agencies and Communities. They help in identifying the extent to which the SOPs and Plans are effective and also aid in revising these if required. These drills enhance the ability to respond faster, better and in an organized manner during the response and recovery phase.

Drills/Simulations/Exercises are based on a set of assumptions about the circumstances during a disaster:

☐A high level of tension and anxiety under which the concerned personnel would operate both at the central and field levels

☐Highly unreliable information which requires critical assessment

☐Criticality of time where rapid decisions must be taken.

☐Necessity for coordination among technical personnel and government officers, who do not usually interact

☐Prominence of political and social factors in the aftermath of a disaster

The approach for conducting a mock-drill varies as per the complexity of scenario depending upon the potential hazards, response system of the institution and the target community. Therefore, to ensure proper implementation of a drill programme, roles and responsibilities (SOPs) of the concerned personnel, departments, corporate bodies, stakeholders, and mechanisms for conducting the drill should be delineated clearly.

Regardless of the size, complexity and risk involved in the implementation of the drill, an effective drill exercise programme should have the following essential elements as prerequisites:

☐Emergency Response Plan explaining institutional response structure, emergency response functions and standard operating procedures for various departments, Team personnel at head quarter and field level trained on their standard operating procedures

☐Trained quick response teams in various possible operations like search and rescue, law and order, fire-fighting, medical, water arrangements, relief and shelter and electricity restoration etc

☐Updated database of resources, equipment and manpower availability.

☐Updated Emergency Directory with important contact details of members of Incident Management Team and Emergency Response function

☐Mock-drill Scenario and detailed action plan for Mock-drill

☐Evaluation formats for concerned departments and definite criteria for evaluation

☐Observers and Qualified evaluators

Lessons learnt from the actual drills and exercises would be useful to revise operational plans and serve as a basis for the training of various stakeholders across different sectors. The drills and exercises will help to –

- ☐ Identify planning gaps
- ☐ Revise SOPs to enhance coordinated emergency response
- ☐ Increase public awareness and community readiness
- ☐ Enhance capacities of professionals, departments and trained volunteers
- ☐ Test plans and systems in simulation exercises

## **Chapter 7**

### **RESPONES AND RELIEF MEASURES**

#### **7.1 Introduction:**

The need for an effective disaster management strategy is to lessen disaster impact which can be achieved through strengthening and reorienting existing organizational and administrative structure from district – state to national level. The emergency response plan is a first attempt to follow a multi-hazard approach to bring out all the disasters on a single platform and incorporates the '*culture of quick response*'. Under the plan, common elements responsible for quick response have been identified and a set of responsible activities has been articulated. It provides a framework to the primary and secondary agencies and departments, which can outline their own activities for disaster response. The plan will also include specific disaster action plans along with modal scenarios in detail to conduct practice drills at district administration level.

#### **7.2 RESPONSE PLAN (Multi Hazard) preparedness and assessment:**

Disaster Response plans are useful in pre-disaster situation, when warnings have to be issued. The Plan again serves as guidance to officials and precious time is saved which might otherwise be lost in consultations with senior officers and getting formal approval from authorities. The response plan contains two approaches:

**Short term Plan:** Short- term Plan comprising relief to be provided immediately following a disaster based on Norms of relief if applicable. Setting up of shelter places and immediate restoration of power supply, clearance of roads etc. Coordination with various agencies, NGOs, National and International.

**Long term Plan:** Long Term plan comprises reconstruction of earthquake proof buildings, rehabilitation of people in safe areas. Enforcement of DM Act 2005, involvement of community participation.

#### **Incident Command System (ICS)**

ICS is a modal tool to command, coordinate and use of resources at the site of the incident. It is based on the management and direction tools that experts and managers are already aware too. It is a very flexible, cost effective and efficient management system.

#### **7.3 Emergency Support Functions (ESFs)**

The ESF activates under the guidance of Incident Commander (District Magistrate) who is also a head of Incident Response System (IRS). Under the IRS, a team of 11 ESFs nodal officers works together also called as Disaster Management Team (DMT). DMT would also be constituted at District level with district level nodal officers.

#### **Primary and Secondary Agencies**

The designated primary agency action as a central agency would be assisted by one or more supporting agencies (secondary agencies) and will be responsible to manage activities of the ESFs and ensuring the mission accomplished. The primary and secondary agencies have the authority to execute response operations to directly support the state needs.

#### **7.4 Quick assessment of Damages**

Immediate assessment and submission of first information report of any calamities to the DDMA in case of Disaster. First Information Report to be submitted in CA-II format.

## Chapter 8

### Reconstruction, Rehabilitation and Recovery Measures

#### **8.1. Introduction:**

Rehabilitation relates to the work undertaken in the following weeks and months, for the restoration of basic services to enable the population to return to normalcy. Actions taken during the period following the emergency phase is often defined as the recovery phase, which encompasses both rehabilitation and reconstruction.

**Rehabilitation:** Refers to the actions taken in the aftermath of a disaster to enable basic services to resume functioning, assist victims' self-help efforts to repair physical damage and community facilities, revive economic activities and provide support for the psychological and social well being of the survivors. It focuses on enabling the affected population to resume more-or-less normal (pre-disaster) patterns of life. It may be considered as transitional phase between immediate relief and more major, long-term development.

**Reconstruction:** Refers to the full restoration of all services, and local infrastructure, replacement of damaged physical structures, the revitalization of economy and the restoration of social and cultural life. Reconstruction must be fully integrated into long-term development plans, taking into account future disaster risks and possibilities to reduce such risks by incorporating appropriate measures. Damaged structures and services may not necessarily be restored in their previous form or location. It may include the replacement of any temporary arrangements established as part of emergency response or rehabilitation. The following sectors can be vulnerable to disaster impact, and which, therefore, will require rehabilitation and reconstruction inputs.

- ☐ Buildings
- ☐ Infrastructure
- ☐ Economic assets (including formal and informal commercial sectors, industrial and agricultural activities etc.)
- ☐ Administrative and political
- ☐ Psychological
- ☐ Cultural
- ☐ Social
- ☐ Environmental

“The disaster scenario offers a range of opportunities for affected communities to respond to the crisis, how community responds to a disaster and post disaster aid sets the tone for the transition from disaster to development”. As discussed earlier rehabilitation and reconstruction comes under recovery phase immediately after relief and rescue operation of the disaster. This post disaster phase continues until the life of the affected people comes to normal situations. This phase mainly covers damage assessment, disposal of debris, disbursement of assistance for houses, formulation of assistance packages, monitoring and review, cases of non-starters, rejected cases, non-occupancy of houses, relocation, town planning and development plans, awareness and capacity building, housing insurance, grievance redressal and social rehabilitation etc.

#### **8.2 Post Disaster Reconstruction and Rehabilitation:**

Post disaster reconstruction and rehabilitation should pay attention to the following activities for speedy recovery in disaster hit areas. The contribution of both government as well as affected people is significant to deal with all the issues properly.

- ☐ Damage assessment
- ☐ Disposal of debris
- ☐ Disbursement of assistance for houses
- ☐ Formulation of assistance packages
- ☐ Monitoring and review
- ☐ Cases of non-starters, rejected cases, non-occupancy of houses
- ☐ Relocation
- ☐ Town planning and development plans
- ☐ Reconstruction as Housing Replacement Policy
- ☐ Awareness and capacity building
- ☐ Housing insurance

### **8.3 Administrative Relief:**

The district is the primary level with requisite resources to respond to any natural calamity, through the issue of essential commodities, group assistance to the affected people, damage assessment and administering appropriate rehabilitation and restoration measures. The district level relief committee consisting of official and non-official members including the local legislators and the members of parliament review the relief measures. When a disaster is apprehended, the entire machinery of the district, including the officers of technical and other departments swings into action and maintains almost continuous contact with each village in the disaster threatened area.

### **8.4 Reconstruction of Houses Damaged / Destroyed:**

The PWD shall play the main role for reconstruction/repairing of lifeline buildings/damaged buildings. The DDMA shall monitor the issue of reconstruction/repairing of lifeline buildings on regular basis. Houses/buildings should be reconstructed in the disaster hit areas according to the following Instructions:

- ☐ Owner Driven Reconstruction
- ☐ Public Private Partnership Program (PPPP)
- ☐ Under the PPPP the houses are reconstructed by the NGOs for the beneficiaries to be registered in the joint names of the husband and wife.
- ☐ All the houses should be insured.
- ☐ Financial, technical and material assistance provided by the government.
- ☐ The designs for seismic reconstruction of houses provided by the government.
- ☐ The material assistance provided through material banks at subsidized rates.
- ☐ Design of 20 model houses provided to the public to choose from with an option to have one's own design.

### **8.5 Military Assistance:**

If the district administration feels that the situation is beyond its control then immediate military assistance could be sought for carrying out the relief operations.

### **8.6 Medical Care:**

Specialized Medical Care may be required to help the affected population. Preventive medicine may have to be taken to prevent outbreak of diseases.

### **8.7 Epidemics:**

In the relief camps set up for the affected population, there is a likelihood of epidemics from a number of sources. The strategy should be to subdue such sources and immunize the population against them. The public health centers, health departments can practise vaccination drives, public awareness to drink boiled water, use chlorine tablets to purify the water sources.

### **8.8 Corpse Disposal:**

Disposal of dead bodies is to be carried out as a part of the operation to prevent outbreak of epidemics. Minimum official requirements should be maintained as it is a very sensitive issue. The following points may be considered by the concerned authorities at the time of corpse disposal

- ☐ Mass photographs of corpses,
- ☐ Consent of the relatives or handing over to them

### **8.9 Salvage:**

A major effort is needed to salvage destroyed structure and property. Essential services like communications, roads, bridges, electricity would have to be repaired and restored for normalization of activities.

### **8.10 Outside Assistance:**

During disaster situations, considerable relief flows in from outside, thus there is an immediate need to co-ordinate the relief flows so that the maximum coverage is achieved and there is no duplication of work in the same area.

### **8.11 Special Relief:**

Along with compensation packages, essential items may have to be distributed to the affected population to provide for temporary sustenance.

### **8.12 Information:**

Information flow and review is essential part of the relief exercises. Constant monitoring is required to assess the extent of damage, which forms the basis of further relief to the affected areas.

### **8.13 Social Rehabilitation:**

#### **Disabled Persons (PWD)**

- ☐ Artificial limbs fitted to affected persons.
- ☐ Modern wheelchairs, supportive devices provided.

#### **Children**

- ☐ Orphaned children are fostered.
- ☐ Day centers set up
- ☐ Orphanages established.
- ☐ Child help lines established.

### **8.14 Recovery:**

The long-term response plans are related with Recovery and Reconstruction activities on one side and institutionalizing disaster management in district administration on the other side. There are Standard Operation Procedures (SOPs) for the Emergency Support Functions. In long term measures the following actions shall be undertaken duly:

- ☐ Constitution of Emergency Support Functions, Disaster Management Teams, Quick Response Teams, Field Response Teams
- ☐ Peripheral activities like refresher trainings for all such teams in a regular interval of time and exercise of Mock Drills
- ☐ Continuous awareness/sensitization programmes for the stakeholders and the general Public.
- ☐ Recourse to pre-contract with vendors and merchant establishments to supply goods & services in times of disaster
- ☐ Most of the Line Departments in the District, Autonomous Bodies and Organizations are part of the Emergency Support Functions. The DDMA shall ensure that these Action Plans are updated annually and practised through mock drills and other activities in the district.

Recovery and rehabilitation are the final step. The Incident Command System shall be deactivated as the rehabilitation phase is over. Thereafter the normal administration shall take up the remaining reconstruction works in the disaster-affected areas. These activities shall be performed by the Working Group for relief and rehabilitation under the direction of the DDMA.

### **8.15 Short term reconstruction activities:**

- ☐ **Repair:** The main purpose of repair is to bring back the architectural shape of buildings to resume their functioning at the earliest.
- ☐ **Restoration:** The main purpose of restoration is to carry out structural repair to load bearing elements. It may involve cutting portions of the elements and rebuilding them or simply adding more structural material so that the original strength is restored.
- ☐ **Strengthening** of Existing Buildings: Strengthening is an improvement over the original strength where the evaluation of the building indicates that the strength available before the damage was insufficient and restoration alone will not be adequate in resisting future impacts.

### **8.16 Long term reconstruction:**

Activities of undertaking of reconstruction of housing and associated infrastructure play most important role in betterment of psychological trauma, livelihood, health, education in entire disaster recovery process. Therefore, it should consist of a comprehensive approach involving rehabilitation of housing, infrastructure, livelihood, health, education, environment, etc. to ensure sustainable development of disaster affected communities. It should be taken into consideration that multi-disciplinary activities and approaches should be incorporated in reconstruction process in consultation with the affected community in an institutionalized manner. This would ensure sustainable development of the community.

## **Chapter 9**

### **Financial Resources for Implementation of DDMP**

#### **9.1 Recommendation by 13th Finance Commission:**

The Thirteenth Finance Commission (2010-2015) has responded very positively to the long pending request for greater allocation of fund for disaster management. The Finance Commissioner suggested various recommendations to solve the issue in state and district level. Every state has a State Calamity Relief Fund (CRF) for immediate action in the after math of a disaster.

#### **9.2 National Level:**

| <b>Sl. No</b> | <b>Type of Fund</b>   |
|---------------|---|
| 1             | Fund release under grant in aid (Thirteenth Finance Commission) |
| 2             | Fund available for Project NDMA                                 |

#### **9.3 State Level:**

| <b>Sl. No</b> | <b>Type of Fund</b>          |
|---------------|------------------------------|
| 1             | State Budget/Plan fund       |
| 2             | State Disaster Response Fund |

## **Chapter 10**

### **Procedure And Methodology For Monitoring, Evaluation, Updating And Maintenance Of DDMP**

#### **10.1 Proper monitoring and regular updating of DDMP:**

Proper monitoring and evaluation of the DDMP is observe and assess the relative importance of the effectiveness of mock drill programme through careful appraisal and study as well as the preparedness and achievement of all the Line Dept./ Stakeholders. Regular data collection system shall be set up at district.

#### **10.2 Post Disaster evaluation Mechanism:**

Disasters are always unexpected. Each disaster causes huge loss of human lives, live stocks and property as well. It is said that every disaster repeats after a particular interval. Also lessons learnt from a particular disaster will help to plan for another potential hazard. The DDMA, Dakshin Dinajpur shall make special arrangements to collect data on a particular disaster irrespective of size and vulnerability. This post disaster evaluation mechanism shall be set up with qualified professionals and researchers and the collected data shall be thoroughly crosschecked and documented in the EOC for further reference. Post disaster evaluation mechanism for DDMP meeting of the DDMA will be held within 2 weeks of facing the disaster like situation if any occurred in the district where the team leaders/ nodal officers of each participating departments/agency shall remain present for the post disaster evaluation of the situation in all respect.

#### **10.3 Uploading of updated plans at DDMA websites:**

District Disaster Management Plan of the district shall be a public document & should be uploaded at the DDMA/SDMA websites under the supervision of the District Information & Cultural Officer.

#### **10.4 Media Management:**

Media Management is one of the core issues related to disaster management. Usually, in case of disaster, hundreds of media crew reach the site even before the outside disaster management agencies and they assess the situation. The report they release on air is contradicting and creates panic. In order to control the situation certain arrangements shall be made by the district. As a disaster is noticed the Incident Commander shall do the following measures to control the media:

1. Along with information dissemination to the vertical and horizontal agencies, press people also shall be called and given preliminary data based on assessment. This shall reduce the guesswork of the media people.
2. Only the state owned electronic, print media should be taken to the site. More people mean more confusion and hazard in disaster management.
3. In every one hour or so the Incident commander shall give press release in order to control false information to the outside world.
4. No media shall be allowed to air or print pictures of dead bodies with worst condition. There is a tendency to do so by the media to make sensitivity. In a disaster situation, only Incident Commander or his assignee in district level will communicate with the media and provide news brief, No other parallel agency or ESF or voluntary agency involved in the disaster management shall give any sort of press briefings.



### **10.5 Indian Disaster Resource Network(IDRN):**

One major step towards strengthening of our response system has been the launch of India Disaster Resource Network (IDRN). This is web based inventory of all specialist equipments required for emergency/Disaster response.

### **10.6 Conducting Mock Drills at District level**

The ultimate objective of the Training Programme on preparedness and mitigation is to conduct mock drill, which is an artificial scenario of a disaster. The objectives encompassing the mock drill are to validate the Standard Operating Procedures (SOP) and ascertain the capabilities created by District Disaster Management Committee in managing and responding to natural disasters. The District level mock drills are conducted every year at times in 4-5 different spots. And 20-25 different departments take part in the mock drill to show their achievements/preparedness in the field of Evacuation, Search, Rescue, Health, First Aid, Garbage Clearance, Drinking Water Facility etc. After completion of the mock drills, evaluation of the performance are made in the conference hall of the Office of the District Magistrate.

### **10.7 Monitoring & Gap Evaluation:**

The District Authority shall check whether all the personnel involved in execution of DDMP are trained & updated on the latest skills necessary in line with the updated plans. As per Section 30 (2) (xii) of DM Act 2005, the District Authority shall organize & coordinate specialized training programmes for different levels of officers, employees & voluntary rescue workers in the district.

### **10.8 Plans of Major Accidental Hazard Units:**

Dakshin Dinajpur District has traditionally been vulnerable to natural disasters on account of its unique geo-climatic conditions and it has, of late, become equally vulnerable to various manmade disasters.

Toxic Release, Chemical and Oil Spillage emergencies as one such facet of man-made disasters are of relevance and concern to us. Any radiation incident resulting in or having a potential to result in exposure and/or contamination of the workers or the public in excess of the respective permissible limits can lead to a Toxic Release/Chemical and Oil Spillage emergency.

Presence of major installations in the district likes Oil/Gas terminals & Refineries and handling, importing, transporting Highly toxic and Hazardous Chemicals in District calls for special attention.

Thus, all these installations were directed to prepare & submit their on-site & off-site plans to this office.

## **CHAPTER 11**

### **COORDINATION MECHANISM FOR IMPLEMENTATION OF DDMP**

#### **11.1 Introduction**

There are a number of participants in a typical disaster relief operation. Participants may include- national government, local government, national and international humanitarian organizations, expert and volunteer rescue teams, third party logistics providers, suppliers of goods used for disaster relief, and the affected people. The nodal officers of various Line Departments of the State Government /Central Government/CPMF/NGOs /VBOs/Co-operative Sectors/school Authorities /Govt. Hospitals/Private Hospitals are linked up with the district authority.

☐ In the periodical meeting responsible officers of all the above depts., agencies invited offered their views to ensure a better coordination mechanism for implementation of DDMP

☐ Coordination with block/village level task forces is also better cared for common understanding.

☐ Linkage with SDMP is also maintained after consulting the DDM

#### **11.2 Coordination of Response at the District level**

The District Magistrate is the head of the District Administrative setup and chairperson of the DDMA as per the DM Act 2005. He has been designated as the RO in the District. The heads of different Departments in the District will have separate roles to play depending on the nature and kind of disaster. The roles and responsibilities of the members of the DDMA will be decided in advance in consultation with concerned members.

#### **11.3 Departmentwise Primary and Secondary Responsibilities :**

##### **11.3.1 State Disaster Authority will be involved in the following activities:**

- ☐ Search and Rescue operations
- ☐ Providing Temporary shelters
- ☐ Public Informations
- ☐ Relief Distribution
- ☐ Construction Materials
- ☐ Restoration of Infrastructures

##### **11.3.2 DDMA will be involved in the following activities**

- ☐ Providing Temporary Shelters
- ☐ Construction Materials
- ☐ Restoration of Infrastructure

##### **11.3.3 Fire Services Fire will be involved in the following activities:**

- ☐ Search and Rescue operation, ☐ Evacuation, ☐ Public Information

##### **11.3.4 PWD**

PWD will be involved in the following activities:

- ☐ Construction Materials, ☐ Restoration of Infrastructure, ☐ Providing Temporary Shelters

##### **11.3.5 Civil Defence**

Civil Defence and Home Guards will be involved in the following activities:

- ☐ Cordoning off area
- ☐ Search and Rescue Operations
- ☐ Evacuation
- ☐ First Aid Operations

##### **11.3.6 Home Guards/Civic Volunteers will provide**

- ☐ Temporary Shelters
- ☐ Relief distribution
- ☐ Reception/Information Centers

##### **11.3.7 Department of Health**

- ☐ Health Department will be involved in the following activities:
- ☐ Medical Aid(Treatment of injuries and surgical operations)
- ☐ Health and Sanitation
- ☐ Disposal of Dead (as per customs) bodies.

##### **11.3.8 Irrigation and Waterways**

- ☐ Irrigation and Waterways Department will be involved in the following activities:

☐ ☐ Construction Materials Procurement

☐ ☐ Restoration of infrastructures

**11.3.9 BSNL/ other TSPs will be involved in the following activities:**

☐ ☐ Communication, ☐ ☐ Reception/Information Centers, ☐ ☐ Restoration of Infrastructures

**11.3.10 District Public Health Engineering will be involved in the following activities:**

☐ ☐ Drinking Water Arrangements

☐ ☐ Restoration of Infrastructures

**11.3.11 Dakshin Dinajpur Regional Transport Authority will be involved in the following activities:**

☐ ☐ Provision of Vehicles

☐ ☐ Transportation of Materials

☐ ☐ Manpower etc.

**11.3.12 WBSEDCL will be involved in the following activities:**

☐ ☐ Restoration of Infrastructure

☐ ☐ Provisions of Power

Other Stakeholders are to perform the following activities:

**11.3.13 Health:**

Emergency Ambulance Services round the clock through trained paramedics who will be mainly performing functions:

☐ ☐ Assessing the patients

☐ ☐ Resuscitation

☐ ☐ Stabilizing that includes clearing airway

☐ ☐ Control of bleeding and circulation, splint age etc.

☐ ☐ Rushing the patient to the suitable hospital

☐ ☐ Paramedic services in case of disasters

☐ ☐ Training of the public students and others in emergency first aid

☐ ☐ Maintaining round the clock Control Room, wireless connectivity with 108 Control Room.

**11.3.14 Information and Cultural Affairs :**

☐ ☐ Public Information

☐ ☐ Communication

☐ ☐ Reception/Information Centers

**11.3.15 Scouts and NCC will be involved in the following activities:**

☐ ☐ Search and Rescue Operations

☐ ☐ Evacuations

☐ ☐ Traffic Management & Security of Properties

☐ ☐ Temporary Shelters

☐ ☐ Disposal of Dead bodies.

☐ ☐ Relief Distribution

☐ ☐ Relief Supplies

**11.4 Role of NGOs/CBOs**

The role of NGOS is a potential key element in disaster management. The NGOs operating at grassroots level can provide a suitable alternative as they have an edge on governmental agencies for invoking community involvement. This is chiefly because, the NGO sector having strong linkages with the community base can exhibit great flexibility in procedural matters.

## **Chapter 12**

### **STANDARD OPERATING PROCEDURES (SOPs) AND CHECK LIST**

#### **12.1 Disaster situations:**

‘Disaster’ is defined as a crisis situation causing widespread damage which far exceeds our ability to recover. Thus by definition, there cannot be perfect ideal system that prevents damage, because it is not that there would be a disaster same magnitude or same proportion like previous years’. Disasters lead to loss of human lives on a large scale. If a formalized and timely response does not take place, the death toll can increase immensely. Therefore each district in coordination with the State formulates a District Response Plan consisting of Emergency Support Functions(ESFs) related to Communication, Search and Rescue, Evacuation, Law and Order, Medical Response and Trauma Counseling, Water Supply, Electricity, Transport etc. All of these emergency functions consist of emergency plans that would be activated at the time of emergency. When it is too suffocating to be able to recover, only then it can be called as a ‘disaster’. Disasters are not totally discrete events. Their possibility of occurrence, time, place and severity of the strike can be reasonably and in some cases accurately predicted by technological and scientific advances. It has been established that there is a definite pattern in their occurrences and hence we can to some extent reduce the impact of damage though we cannot reduce the extent of damage itself.

#### **Operational Check-Up of Warning Systems:**

It is imperative that preparedness and warning systems are designed to reach the entire population, including seasonal populations in remote locations. These communication systems should be two-way and interactive to allow for verification that warnings have been received, and to be able to monitor the impact of an event. Warning alerts and messages should be geographically specific so that warnings are targeted to those at risk only.

It is also advisable to ensure that multiple communication mediums are used for warning dissemination (e.g. mass media and informal communication). Warnings generated should be distributed to those at risk by credible sources (e.g. government, spiritual leaders, and respected community organizations).

Volunteer networks can also be trained and empowered to receive and widely disseminate hazard warnings to remote households and communities. Relying solely on technology, such as mobile telephone communications, which are vulnerable during hazard events, should be avoided. Dissemination systems should be tailored to the needs of individual communities (e.g. radio or television for those with access; and sirens, warning flags or messenger runners for remote communities). Warning alerts and messages should also be tailored to the specific needs of those at particularly high risk (e.g. for diverse cultural, social, gender, linguistic and educational backgrounds). Messages should incorporate the understanding of the values, concerns and interests of those who will need to take action (e.g. instructions for safeguarding livestock and pets). It is also important to try to minimize the number of false alarms to maintain trust in the warning system.

#### **Dissemination of warning to the general public in major emergencies will be**

| Sl.No | Equipment                                    |
|-------|--|
| 1     | Siren system                                 |
| 2     | Emergency Alert System                       |
| 3     | Weather alert radios                         |
| 4     | Mobile public address systems as appropriate |
| 5     | House to house alert by emergency personnel  |

#### **ESF ,Response Actions and Organizational Setup :**

The Response plan establishes an organized setup to conduct ESF operations for any of the Natural and Manmade Disasters. It outlines an implementing framework of sharing resources as per the requirement within National and State Level Department that will be engaged to support during an emergency situation. The Response Plan has structured the response of all the Line Departments i.e. primary and supporting Departments to be organized and function together with grouping capabilities, skills, resources, and authorities across the State and District Government with the ESF plan. The plan unifies the efforts of State Departments and supporting agencies to be involved in emergency management for a comprehensive effort to reduce the effects of any emergency or disaster within the state.

The ESF is getting activated under the guidance of Responsible Officer (District Magistrate) who is also a head of Incident Response System (IRS). Under the IRS a team of 20 ESFs, Nodal Officers work together also called as Disaster Management Team (DMT). DMT would also be constituted at District level with district level nodal officers. The members of Disaster Management Team would also lead primary agency and simultaneously

coordinate with the secondary agencies. Each of the primary and secondary agencies would also comprise Quick Response Team trained to carry out their functions at the response site. The success of ESF will be of critical importance and would reflect in the lives saved in the golden hour. Below a list of ESFs has been given which will activate at district level during emergency situation

### **ESFs Activated at the Time of a Disaster**

#### **ESF - 1 Communications (BSNL)**

The communication ESF is primarily responsible for restoration of communication facilities. The ESF on Communication should ensure the smooth flow of information that can cater to the outreach in a time-sensitive manner at District level in response efforts.

#### **Situation Assumptions**

- ☐ There would be a congestion in the network because of increased calls to Control Rooms due to panic created in the community.
- ☐ The initial reports on damage may not give a clear picture of the extent of damage to communication network.
- ☐ The affected site may cut off from the State Control Rooms and the officials on site may find difficulty in communicating to the District EOC

**Suggested supporting agencies** :NIC, Revenue wireless, Ham Operators, Private telecommunication service operators and mobile phone services operators etc

#### **SOPs for Nodal Agency:**

- ☐ Team Leader (TL) of Communication ESF will activate the ESF on receiving the intimation of occurrence of the disaster from the State EOC.
- ☐ TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- ☐ TL would establish contact with the district EOC for First Information Report
- ☐ TL requests for reports from local ESF contact persons (this would be the local office of ESF Nodal Agency) to understand the current situation and action taken based on information given by the supporting agencies,
- ☐ TL decides on the need to launch an assessment mission to estimate the extent of damage to telecom services and network as well as to come up with possible arrangements to establishing reliable and appropriate network.
- ☐ TL communicates situation to supporting agencies and also requests to provide details on the status of equipment and infrastructure in the affected area(s).
- ☐ TL informs the Incident Commander on the status of telecom services.
- ☐ TL works out a plan of action for private telecom companies and convenes a meeting of all ESF members to discuss and finalize the modalities.
- ☐ TL issues orders to establish systems and reports to EOC, SW, on the action taken. New phone numbers and details of contact persons would also be communicated. If required mobile exchanges would be deployed.
- ☐ TL gets the temporary telephone facilities established for the public. Prior information on this would be announced through media
- ☐ HAM radio operators would be informed about the current requirements and coordination mechanisms shared.
- ☐ TL monitors the situation and arranges emergency staff required to operate established systems.
- ☐ TL sends the Sub-division Quick Response (SQR) Team at the affected site with the required equipments and other resources.

#### **SOPs for Quick Response Team on Communication:**

- ☐ The QRT (Quick Response Team) members will reach the nodal office as soon as they will get instructions from the TL.
- ☐ Once the QRTs receive any intimation from the nodal officer to reach at the site they would rush to the site.
- ☐ At the emergency site QRT members will take stock of the situation from the IC and would also know about their counterparts.
- ☐ QRTs would assess the ground situation and would send sectoral report to the District ESF agency. A sectoral report would contain the following contents:
  - ☐ An assessment of overall damage, listing specifically:
  - ☐ Overhead route damage (in miles/kilometers).

- ☐ Cable damage (in yards/meters).
- ☐ Specific equipment damage.
- ☐ Establish a temporary communication facility for use by the public
- ☐ Identify requirements of manpower, vehicles and other materials and equipments. Give priority and concentrate on repairs and normalization of communication system at disaster affected areas.
- ☐ Begin restoration by removing and salvaging wires and poles from the roadways with the help of casual laborers.
- ☐ Carry out temporary building repairs to establish a secured storage area for the equipments and salvaged materials.
- ☐ Report all activities to head office
- ☐ Establish a secure storage area for incoming equipments and salvaged materials.

### **ESF-2 Evacuation:**

The ESF on evacuation is primarily responsible for establishing evacuation plans, identification of fastest evacuation routes and alternate routes and coordinating evacuation logistics during field operations.

### **Situation Assumptions**

- ☐ Most of the buildings would be damaged and would not remain serviceable.
- ☐ Many structures would be damaged and there would be an urgent need to evacuate.

**Suggested Supporting Agencies:** Police, Fire Service, Health Service, Civil Defence, Army etc.

### **SOPs for Nodal Agency:**

- ☐ Team Leader (TL) of Evacuation ESF would activate the ESF on receiving the warning of the disaster from EOC, SW.
- ☐ TL would inform Nodal Officers (NOs) of Supporting Agencies about the event and ESF activation.
- ☐ TL will direct the QRTs to be deployed at the affected site.
- ☐ TL will gather information on availability of predefined evacuation routes.
- ☐ Where the predefined evacuation routes are not available, the nodal officer would coordinate through EOC, SW, with other ESFs Nodal Officers and the Supporting Agencies about clearing of routes and identifying alternate routes.

### **SOPs for Quick Response Team on Evacuation:**

- ☐ The QRT members will reach the Nodal Office as soon as they get instructions to do so from the TL.
- ☐ Once the quick response teams receive an order from the nodal officer for reaching the site they would rush to the site.
- ☐ On reaching the site the QRT members will take stock of the situation from the Incident Management Team at the site and their counterparts.
- ☐ The quick response teams with the help of local task forces will start evacuating peoples to safe shelters or open areas.
- ☐ The QRT members should concentrate more on evacuation in areas that have been worst affected by the disasters.
- ☐ Reporting about all the activities to head office

### **ESF-3 Search and Rescue:**

Search and Rescue operations are one of the primary activities taken up in a post disaster situation. The promptness in these operations can make a remarkable difference in the amount of loss of life and property.

### **Situation Assumptions**

- ☐ Local community task forces will initiate search and rescue at residential level
- ☐ Spontaneous volunteers will require coordination
- ☐ Access to affected areas will be limited.
- ☐ Some sites may be accessible only through air routes only

**Support agency:** Department of Revenue, Police, Civil Defence, NDRF & Army

### **SOPs for Nodal Agency:**

- ☐ R.O. will call the TL of Primary Agency and get the ESF activated.
- ☐ Team Leader of primary agency will call nodal officers of supporting agencies.
- ☐ TL would activate the Quick Response Team.

- ☐ Quick Assessment of the S& R operations through Aerial surveys
- ☐ Assessments of the specific skill sets and the other equipments required.
- ☐ Using IDRN network to check and map the availability of resources in and round the disaster site.

#### **SOP for Quick Response Team on Search & Rescue:**

- ☐ Assessment of damage (locations, number of structures damaged, severity of damage)
- ☐ The QRTs will be deployed at the affected site.
- ☐ Enlisting the types of equipment required for conducting the S&R
- ☐ QRTs will report the situation and the progress in response activities to the respective EOCs.

#### **ESF - 4 Law and Order:**

The ESF on Law and Order maintains the law and protects the property and valuable commodities. It is mainly responsible to control crowd and avoid riot situations.

#### **Situation Assumptions:**

- ☐ There would be panic and people will gather at a place.
- ☐ The crowds may go out of control.
- ☐ Riots may also take place.

**Suggested Support Agencies:** Civil Defence, Home guards, Central Paramilitary Forces, Army etc

#### **SOPs for Nodal Agency:**

- ☐ R.O. will call the TL of Primary Agency and get the ESF activated.
- ☐ TL of primary agency will call nodal officers of supporting agencies.
- ☐ TL would activate the Quick Response Team.
- ☐ The QRTs will be deployed at the affected site.
- ☐ Cordoning of area to restrict movement of onlookers, vehicular and pedestrian traffic should be done.
- ☐ Any additional requirements at site to be taken care of.

#### **SOPs for Quick Response Team on Law and order:**

- ☐ Quick assessment of law and order situation in affected areas
- ☐ Support and coordinate with Local Administration
- ☐ Prepare updates on the law and order situation every 4-6 hours and brief the authorities
- ☐ Controlling situations like rioting and looting, and cordon off sensitive areas
- ☐ QRTs will guide property and valuables in affected areas.
- ☐ Control and monitor traffic movement.
- ☐ QRTs will provide diversion of traffic on alternate routes as and when it is necessary.
- ☐ QRTs will also provide information about traffic flow along various corridors, especially heavy traffic or congested roads.
- ☐ QRTs will communicate to police control rooms, details on the field activities including deployment and reinforcement of staff and resources and communicate nature of additional requirements.

#### **ESF -5 Medical Responses and Trauma Counseling:**

The ESF on Medical Response and Trauma Counseling will look after emergency treatment for the injured people immediate after the disaster take place.

#### **Situation Assumptions:**

- ☐ Emergency Medical services will be required by affected population
- ☐ Likely outbreaks of epidemic diseases after the disaster.
- ☐ Hospital services would be affected

#### **SOPs for Nodal Agency**

- ☐ R.O. will call the TL of Primary Agency and get the ESF activated.
- ☐ Team leader (TL) of primary agency will call nodal officers of supporting agencies.
- ☐ In coordination with the transportation ESF, it will ensure a critical number of medical professionals to be reached at the site including specialists from other states.
- ☐ If temporary housing arrangements are being made for the affected population, the ESF must ensure high standards of sanitation in settlements in order to reduce epidemic outbreak.

- ☐ Ensuring the provision and continuous supply of medical facilities (medicines, equipments, ambulances, doctors and manpower etc) required at the disaster affected site and the hospital health centers catering to disaster victims.
- ☐ In case of orthopedic care required in disasters like earthquakes the immediate response would have to be complemented by a follow up treatment schedule for a majority of the patients in/ near their place of residences.
- ☐ Trained professionals should be mobilized by psychosocial support.
- ☐ Ensuring setting up of temporary information centers at hospitals with the help of ESF through help lines and warning dissemination system.
- ☐ TL will coordinate, direct and integrate state level response to provide medical and sanitation health assistances.
- ☐ On the recommendations of the EOC, SW, the TL is also responsible to :
- ☐ Send required medicines, vaccines, drugs, plasters, syringes etc.
- ☐ Arrange for additional blood supply. Send additional medical personnel equipped with food, bedding and tents etc.
- ☐ Send vehicles and any additional medical equipment.

Providing medical services as reported by the Chief Medical Officer of Health and District Control Room.

Procedures should be clarified in between:

- ☐ Peripheral hospitals
- ☐ Private hospitals
- ☐ Blood banks
- ☐ General hospitals and
- ☐ Health services established at transit camps, relief camps and affected villages.

QRTs should maintain check posts and surveillance at each railway junction, ST depots and all entry and exit points from the affected area, especially during the threat or existence of an epidemic.

#### **ESF- 6 Water Supply:**

The ESF on drinking water and water supply will ensure provision of basic quantity of clean drinking water and water for other purposes in a manner that does not allow the spread of diseases through the contamination of water.

#### **Situation Assumptions:**

- ☐ Existing water storage bodies will be damaged and unusable.
- ☐ There would be an urgent need of water to assist victims in rescue operation.
- ☐ Break down of sanitation system.
- ☐ Contamination of water due to outflow from sewers or due to breakage of water pipelines.

#### **SOPs for Nodal Agency:**

- ☐ Team Leader (TL) of ESF on Water Supply will activate the ESF on receiving the intimation of the disaster from EOC, SW.
- ☐ TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- ☐ Will ensure special care for women with infants and pregnant women.
- ☐ Provide for sending additional support along with food, bedding, tents.
- ☐ Send vehicles and any additional tools and equipments needed.

#### **SOP for Quick Response Team (QRT) on Water Supply:**

- ☐ QRTs will ensure that supply of drinking water is made available at the affected sites and relief camps
- ☐ QRTs will ensure the temporary sewerage lines and drainage lines are kept separate.
- ☐ QRTs will report the situation and the progress on action taken by the team to the EOC, SW.
- ☐ QRTs will intimate their TL of the additional resources needed.
- ☐ Carry out emergency repairs of all damages to water supply systems.
- ☐ Assist health authorities to identify appropriate sources of potable water.
- ☐ Identify unacceptable water sources and take necessary precautions to ensure that no water is accessed from such sources, either by sealing such arrangements or by posting the department guards.
- ☐ Arrange for alternate water supply and storage in all transit camps, feeding centres, relief camps, cattle camps, and also the affected areas, till normal water supply is restored.
- ☐ Ensure that potable water supply is restored as per the standards and procedures laid down in “Standards for Potable Water”.
- ☐ Plan for emergency accommodations for staff from outside the area.
- ☐ QRTs will ensure timely response to the needs of the affected victims.
- ☐ QRTs will set up temporary sanitation facilities at the relief camps.



### **ESF – 7 Reliefs (Food and Shelter):**

In the event of a disaster there would be a need of distribution of relief materials due to massive destruction of life and property taken place. The ESF on Relief should ensure coordination of activities involving with the emergency provisions of temporary shelters, emergency mass feeding and bulk distribution of relief supplies to the disaster victims as also the disaster managers and relief workers.

#### **Situation Assumptions**

- ☐ Probability of shortage of critical resources
- ☐ Immediate assistance to the community at the time of resource shortage particularly when affected area is larger.

#### **SOPs for Nodal agency**

- ☐ TL will activate the ESF on receiving the information of the disaster from EOC, SW.
- ☐ TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- ☐ TL will coordinate with all state and district level suppliers as identified under IDRN.
- ☐ TL will coordinate with other ESFs related to transportation, debris and road clearance to ensure quality supply chain management of relief materials.
- ☐ Ensuring composite relief with availability of complementary relief materials.

#### **SOP for Quick Response Team (QRT) on Relief:**

- ☐ QRTs will report to site of the relief camps
- ☐ QRTs will be responsible to manage and distribute relief items to the affected victims
- ☐ QRTs will be responsible for reporting the progress on action taken by the team to the EOC.
- ☐ QRTs will provide information to their TL about the need of additional resources.
- ☐ Clearing of the areas to establish relief camps
- ☐ Setting up relief camps and tents using innovative methods that can save time
- ☐ Assist local authorities to set up important telecom and other service related facilities
- ☐ Initiate, direct and market procurement of food available from different inventories and reassuring food supplies to the affected population
- ☐ Preparing take-home food packets for the families
- ☐ Ensuring distribution of relief material to all the people including vulnerable groups of the target area such as women with infants, pregnant women, children, aged people and handicapped.
- ☐ Ensuring support to Local Administration
- ☐ Locating adequate relief camps based on damage survey
- ☐ Develop alternative arrangements for population living in structures that might be affected even after the disaster.

### **ESF-8 Equipment support, Debris and Road clearance:**

The importance of this ESF emanates from the fact that most large scale hazards such as earthquakes, cyclones, floods primarily affect the building structures.

#### **Situation Assumptions:**

- ☐ Access to disaster-affected area would depend upon the re-establishment of ground and water routes.
- ☐ Early damage assessment may be incomplete, inaccurate and general. A rapid assessment may be required to determine response time.
- ☐ Engineers and masons may be required in large scale for the inspection of present buildings.

#### **SOPs for Nodal Agency:**

- ☐ Team Leader (TL) will activate the ESF on receiving the information of the disaster from EOC, SW.
- ☐ TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- ☐ TL will coordinate with the supporting agency to mobilize equipments from the ware houses through IDRN database
- ☐ The respective supporting agencies will contact their respective personal to move the equipments to central warehouse
- ☐ The equipments like JCB, concrete cutters identified as per the need will be transported to the site.
- ☐ As per the information the Nodal Officer of Debris and Road Clearance will make an assessment of the damages of roads and built structures at the site and surrounding areas
- ☐ The Nodal Officers of Supporting Agencies will immediately start debris clearance operation to enable movement to the affected site.

- ☐ Review of the current situation is taken up by the nodal agency to update the support agencies and to delegate their respective personnel to take precautionary measure to plan the routes for the transportation of ESFs to make operational
- ☐ All supporting agencies will inspect the road and rail network and structures within the disaster site and surrounding.
- ☐ TL will also ensure proper corpse disposal and post mortem by coordinating with ESF on medical response.

#### **ESF-9 Electricity:**

The ESF on electricity will facilitate restoration of electricity distribution systems after a disaster. In the event of a disaster there would be major electricity failure and many power stations damaged.

#### **Situation assumptions**

- ☐ Prolonged electricity failure.
- ☐ The affected victims may be panicked
- ☐ Halt of all activities specially jamming communication networking systems in the affected site.

#### **SOPs for Nodal Agency:**

- ☐ R.O. will call the TL of Primary Agency and get the ESF activated.
- ☐ TL of primary agency will call nodal officers of supporting agencies.
- ☐ TL would activate the State Quick Response Team.
- ☐ The QRTs will be deployed at the affected site.
- ☐ TL will dispatch emergency repair teams equipped with tools, tents and food.

#### **SOP for Quick Response Team on Electricity:**

- ☐ The QRT members will reach the nodal office as soon as they get instructions to do so from the TL.
- ☐ QRT members would reach the site immediately after receiving instructions from the nodal officer
- ☐ On the site QRT members will take stock of the situation from the IC at the site and their counter parts.
- ☐ The QRTs will coordinate, collect, process, report and display essential elements of information and facilitate support for planning efforts in response operations.
- ☐ Begin repairing and reconstruction work
- ☐ Assisting hospitals in establishing an emergency supply by assembling generators and other emergency equipments, if necessary.
- ☐ The members of QRTs will establish temporary electricity supplies for other key public and private water systems
- ☐ The members of QRTs will establish temporary electricity supplies for transit camps, feeding centers, relief camps, District Control Room and on access roads to the same.
- ☐ The members of QRTs will establish temporary electricity supplies for relief material go downs.
- ☐ Compile an itemized assessment of damage, from reports made by various electrical receiving centers and sub-centers.
- ☐ Report about all the activities to the head office.

#### **ESF -10 Transports:**

The ESF on Transport should ensure smooth transportation links at state and district level. Within the disaster context, quick and safe movement of material and humans are a priority. It should coordinate the use of transportation resources to support the needs of emergency support forces requiring transport capacity to perform their emergency response, recovery and assistance missions.

#### **Situation assumptions**

- ☐ The state civil transportation infrastructure will sustain damage, limiting access to the disaster area.
- ☐ Access will improve as routes are cleared and repaired.
- ☐ The movement of relief supplies will create congestion in the transportation services.

#### **SOPs for Nodal Agency:**

- ☐ TL of Transportation ESF will activate the ESF on receiving the intimation of the disaster from EOC, SW.
- ☐ TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- ☐ TL establishes contact with the district EOC for FIR
- ☐ TL requests for reports from local Transportation ESF contact person
- ☐ TL communicates situation to support agencies and requests for detailed information on the status of transportation infrastructure in the affected area(s).

#### **SOP for Quick Response Team on Transport:**

- ☐ The QRT members will reach the nodal office as soon as they will get instructions to do so from the TL.
- ☐ As quick response teams will receive instructions from the nodal officer they would reach the site immediately.
- ☐ QRTs would report the situation and the progress on action taken by the team to the respective EOCs
- ☐ QRT will send a requirement schedule for the different modes of transportation eg. trucks, boats, helicopters to be put on stand-by.
- ☐ QRTs will ensure timely re-establishment of the critical transportation links.
- ☐ The members of QRTs will establish temporary electricity supplies for relief material godowns.
- ☐ Compile an itemized assessment of damage, from reports made by various electrical receiving centers and sub-centers.
- ☐ Reporting about all activities to the head office.

### **Standard Operating Procedure for Departments:**

#### **1. Disaster Management Department:**

The Department has been the main department entrusted with the responsibility to coordinate and manage the disasters caused by the Hazards. The department is assisted by the concerned departments/agencies to fulfill the responsibilities assigned. Pre disaster period is the normal time before the disaster months and also the time period just before the first hazard alerts are given by the meteorological department or the CWC/ Irrigation Department.

#### **Normal Time:**

- ☐ Holding a meeting of DDMA and with district officials concerned twice in a year before the months of April and September for reviewing the precautionary measures to be taken as per the DM Plans.
- ☐ Ensure the communication systems are fully functional for easy and quick dissemination of information. Identify any additional requirement of equipment and operating personnel.
- ☐ Updating the list of Voluntary Organizations and NGOs their contact addresses in the district.
- ☐ Ensure Mock Drills are carried out periodically. Plan and organize training programs, mock drills etc. for improving community awareness and preparedness for facing the disasters till the other agencies step in.
- ☐ Prepare an exhaustive list of equipments used during emergencies such as tractors, bulldozers, transport vehicles, communication equipments, pump sets, power generators etc., their availability with Govt. and private agencies and ensure that they are in operational condition.
- ☐ Identify vulnerable points/areas in the flood banks.
- ☐ Prepare a list of all utility items for meeting any emergency, check their availability in sufficient quantities, make inventory and provide them for reference and use at all levels.
- ☐ Devise and implement continuous plan of action to cut, remove and destroy all thorny bushes and trees in vulnerable areas. They become death traps for people.
- ☐ Keep adequate number of floats like tyres, inflated rubber tubes, wooden planks, and bamboos tied as small platform for people to use for floating during floods.
- ☐ Ensure positioning of adequate quantities of vaccines in the respective storage depots. And medical facilities should be increased and Hospitals/PHCs equipped in such a way that they are able to meet emergency situations and requirement of the affected people.
- ☐ Ensure that the Veterinary Dept. should plan and strengthen the systems for ensuring prompt veterinary services to the animals and poultry birds. And ensure positioning of adequate quantities of life saving drugs and constitution of medical / Para medical teams.
- ☐ Identification of suitable higher places for construction of Helipads and Plan for construction of shelters in any newly identified vulnerable areas. Ensure that the existing shelters are maintained in fit condition.
- ☐ Storage facilities for food and essential items should be augmented and inventories are maintained
- ☐ Review the existing flood control structures such as river dams and bunds of rivers, canals and tanks. Based on previous experience, build new bunds and raise/strengthen the existing bunds.
- ☐ Review the power distribution system the transmission and distribution towers should be designed to withstand the extreme condition of winds in cyclone.
- ☐ Ensure that the line departments mainstream DM activities in their departmental Plans and also review the progress made during each year.

#### **Pre Disaster:**

- ☐ The control Rooms should function round the clock till the necessarily ceases. Its contact numbers should be notified in the district editions of the News Papers and also communicated to all Officers in the district. All reference data, copies of all the

contingency plans of district and departments with maps and updated DM Plan should be made available.

□ Appoint Nodal Officers to oversee the implementation of Disaster Situation to cover all the vulnerable Taluka and Villages. They should be positioned in the threatened area to coordinate the evacuation and response action of the stakeholders.

□ Inspect the Cyclone Shelters and take up repairs as necessary and identify all vulnerable points/areas in the flood banks. Ensure that inspection of lock points of rivers and mouths and outlet points of drains is made.

□ Ensure inspection of flood and cyclone stores and make available the required material.

□ Organize mass media campaign for Awareness generation among public on natural hazards, which will help build the knowledge, attitude and skills of the people in vulnerability reduction and suitable disaster risk management measures.

□ Communicate immediately the first flood warning to the likely affected area up to Village level and alert all concerned to prepare for facing the disaster. The Control Room at Dist. will keep in constant touch with flood warning centers, obtain updates and communicate at frequent intervals.

#### **During Disaster:**

□ The Officer in-charge of the Control Room should maintain a record of incoming and outgoing messages. All the incoming messages should be sent to DM and ADM and in their absence to the DDMO.

□ All the warnings should be communicated immediately to the S.P. and to all the Sub-Divisional Level Officers, District Officers, Block Development Officers by e-mail, Telephone etc. Record of the messages sent should be maintained.

□ The District Magistrate shall convene a meeting with SDOs & all the District Level Officers at the earliest and issue instructions to all the Nodal Officers or Special Officers to proceed to the areas allotted immediately and report to the District Magistrate that they have reached their respective places allotted to them and should not leave the area till the clearance is received from the District Magistrate.

□ Evacuate marooned and stranded people to safer places such as flood shelters, high-rise buildings, schools etc.

□ Monitor and rescue people continuously by organizing search through Army, Navy, Air Force, Voluntary and Youth Organizations by deploying navy boats and helicopters. Make arrangements for moving such affected people to the nearest relief camps.

□ Keep details of availability of equipment such as power generators, tractors, bulldozers, transport vehicles, communication equipments, pump sets etc; their availability with Govt. and Private agencies for evacuation and ensure that they are in operational condition.

□ Keep adequate number of vehicles ready at the nearest possible point/area to evacuate people in time before the hazard strikes.

□ Keep adequate number of floats like tyres, inflated rubber tubes, wooden planks, bamboos tied as small platform for people to use for floating during flood situation.

□ Provide first aid and medical assistance for injured and sick people. Special care should be taken for the aged and disabled people, children and pregnant women.

□ Deployment of staff in their respective areas with medicines. Nominate medical officers to coordinate with the officers of Dakshin Dinajpur District.

□ Finalize shelter places in the villages as per the inventory and identified locations in the map, and arrange temporary shelters using tents, Tarpaulins, Plastic sheets etc. Provision of electricity to the identified shelters.

□ Deployment of Police Personnel and Volunteers for law and order and provide medical help, if needed, Transport cases to nearby PHCs/Medical Aid-Posts. Liaise with Railways to provide rescue and relief to stranded passengers.

□ Relief Camps for provision of food and drinking water for the evacuated people. Provide temporary sanitation measures for men and women. Ensure adequate security through Police at Relief Camps and at the evacuated villages.

□ Identify safe elevated places for animals and advise cattle owners to move them as soon as the order for evacuation is given. And provide fodder & water to the animals where feasible, Carcasses of dead animals should be done quickly to prevent outbreak of infection.

#### **Post Disaster:**

Huge relief material stocks would be arriving from outside of the affected area and this requires advance planning, provision of staff for receiving, sorting, distribution and dispatch to the areas needing the material.

- ☐ Restoration of Road and Tele-communication, Electricity, Drinking Water Supply and House construction to the affected people on priority basis.
- ☐ Proper record should be made for the dead and missing persons and notify to the concerned authorities for providing compensation on short and long term basis.
- ☐ Ensure Mass inoculation and vaccination programmes in the affected areas to prevent outbreak of epidemics by coordinating with Medical & Health Department. Additional medical facilities, Hospital and PHCs may be planned and built for meeting increasing requirements.
- ☐ Continue Search and disposal of the dead bodies and the carcasses. Ensure sanitation of highest order is maintained at Relief Camps and affected villages.
- ☐ It is essential that spread of epidemics is prevented among people and animals. Respective Departments should take adequate measures by improving sanitation, drinking water and by vaccination. NGOs and other voluntary organizations should be encouraged to run community kitchens at Relief Camps and marooned areas.
- ☐ The Dist. Authorities and Line Departments should provide comprehensive loss reports to the visiting State and Central Govt. teams for arranging compensation. Record all the relief measures taken
- ☐ Supply of all essential commodities, such as rice, wheat, pulses, salt, kerosene, diesel etc. should be ensured to all the habitats in the disaster affected areas.
- ☐ DM/SDO/BDOs & Other Line Deptts. to arrange for documentation/ record of relief items received from various agencies, distributed and remaining with remaining balances. Reports to be sent to the District Administration.
- ☐ Enumeration of Losses and Damages in a systematic manner, documenting and reporting the same.

#### **Village level:**

- ☐ Convening of the meetings of the Village Committees under the Chairmanship of the concerned Samsad Member during the first week of April and September to discuss the preventive steps.
- ☐ Formation of Village Level Teams for assisting evacuation, patrolling etc.,
- ☐ Identification of area from which people are likely to be evacuated to safer places in case of cyclone or floods.
- ☐ Identification of low lying areas in the village.
- ☐ Identification of areas where people are likely to be evacuated as safer places in case of cyclone or floods.
- ☐ Preparation of list of phone numbers of Officials concerned at District, Sub-Divisional, and Block levels.
- ☐ Identification of Relief Centers and the areas tagged and on to the Relief Centers. Preparation of the list of BPL families in the village.
- ☐ List of fishermen families and particulars of boats with addresses of owners, if it is a fishermen village.
- ☐ Identification of storage facilities.
- ☐ Availabilities of cooking vessels.
- ☐ List of private vehicles such as Tractors, Jeeps, etc., in the village.
- ☐ List of nearby private hospitals with phone numbers of Doctors etc.,
- ☐ List of tanks likely to affect Railway, if any, in the village.
- ☐ Identify higher places for the standing for the cattle in the case of flooding.
- ☐ List of cyclone shelters, other public & private buildings, temples, churches etc.,

#### **2. Police Department:**

The Police Department is one of the key Government Departments. Both in the normal times when no disasters occur and in time of disasters, this department is an asset to community and it has to respond very well in various critical events.

##### **Normal Times :**

- ☐ SP of Dist. will make arrangements for providing adequate number of mobile VHF sets to District/village Police Stations for meeting the exigencies.
- ☐ Ensuring that the Police Stations are equipped with sufficient number of cars/jeeps fitted with wireless sets and trained personnel to handle them.
- ☐ List out trained persons responsible at Dist and Village level Police Stations for disaster management activities with details of address and phone numbers. This list is to be provided to Dist Collector and concerned Line Departments.
- ☐ Preparation of Dist. wise list of retired/reserve constables/drivers/ other use-full personnel. Their services could be used during future emergencies. The lists will be kept in all Police stations in vulnerable areas.
- ☐ Planning and executing Dist. wide training programs for Police personnel with improved techniques for better management of disasters in future.

#### **Pre Disaster Phase:**

- ☐The Police authorities shall provide VHF/Mobile wireless sets with operators in Control Room and at other temporary Control Rooms already set up. Ensure adequate numbers of VHF sets are provided at Block and vulnerable Villages for effective communication.
- ☐Establish communication with Control Room. Wireless station to be kept open round the clock if necessary wireless stations to be set near the villages & keep the officers standby.
- ☐Collect information of vulnerable points and diversion routes for all Roads in the district from the engineering departments responsible for the maintenance and plan for traffic control.
- ☐Procurements of necessary equipment, storage of petroleum and other lubricants.
- ☐Pass effectively all communications of warnings and precautions received from Control Rooms and media to the public through announcements and by loud speakers.
- ☐Training to teams on Disasters, roles and responsibilities and allotment of duties to these affected areas.

#### **During Disaster Phase:**

- ☐Ensure passage of warnings and precautions to the people in affected areas of Blocks and Village Police Communication network. Alert teams and arrange to deploy them at risk points.
- ☐Keep close contact with District Administration and collect all vital information and inform district authorities & Coordinate the search & rescue operations.
- ☐Superintendent of Police will coordinate with District Magistrate and other agencies for providing assistance to rescue and evacuate people in the affected areas of Taluka and Villages.
- ☐Identification of sensitive areas and patrolling, patrolling on important building/highways
- ☐Close contact with armed forces for specialized assistance/equipment for search and rescue.
- ☐Establish radio communication to assist evacuation, information dissemination and checking rumors.
- ☐Evacuation of People & immediate reporting to higher authority
- ☐Assist seriously injured persons to go to treatment centers.
- ☐Assist and encourage the community in road-clearing operation.
- ☐Traffic management and patrolling as required
- ☐Identify the register of the names of the dead persons and persons disposed.
- ☐Help revenue and medical department in transporting Injured and sick persons to Medical centers.
- ☐Ensure enforcement of law and order in the affected/evacuated villages and at shelters to avoid thefts and unlawful acts.
- ☐Assisting the community by organizing emergency transport for the injured.

#### **Post Disaster Phase:**

- ☐Continue to pass warnings and precautions to the people in affected areas. Introduce latest transport and communication facilities.
- ☐Assist local officers in identifying the dead persons and for making proper records. Continue to Coordinate with DCs for rescue, relief and rehabilitation. Police Dept. should provide maximum services by getting additional persons from Police Stations of unaffected Districts. They should further coordinate and assist NCC, Scouts, Guides, Army, Navy and Air Force Personnel in all rescue, relief and rehabilitation activities.
- ☐Update list of trained Police Personnel at District and provide them to concerned authorities. And update lists of retired Constables Drivers in the District for use during future disasters.
- ☐Provide assistance to people who are in a position to move from relief camps to their places wherever normalcy restores. Ensure strict maintenance of law and order in the affected/evacuated villages and at shelters.
- ☐Officers made available to inquire into and record of deaths, and make arrangements for post-mortem of dead persons with legal procedure for speedy disposal. Assistance to district authorities for taking necessary action against hoarders, black marketeers and those found manipulating relief material and provide security to VIPS.
- ☐Provide security in transit and relief camps, affected areas, lifeline infrastructures & services, ensure that identified problematical areas are cordoned off.
- ☐Provide security arrangement for visiting VVIPS and VIPs.
- ☐Support Administration, Medical Establishments, Community Members in disposing dead bodies.

### **3. Medical & Health Department:**

#### **Normal Phase:**

- ☐CMOH of District Hospital shall prepare a Hospital Disaster Management Plan to deal with mass Casualty Management and Emergencies.

- Take precautionary measures for hospital safety during disasters since hospitals are life line buildings so as to serve uninterruptedly. All structural and non- structural measures shall be taken up to make hospital safe.
- Conduct mock drills in normal times to have an idea about hospital preparedness.
- To identify the requirement of equipments and medical stocks that are needed during various kinds of emergencies.
- To build network with referral hospitals, blood banks, ambulance services, etc.
- To prepare a contingency plan as a part of Hospital DM Plan to handle specialized emergencies during Chemical, Industrial, Nuclear Disasters, etc.

#### **Pre Disaster Phase:**

- Prepare a list of precautions to be taken by the public before, during and after the disaster to ensure that they maintain normal health under adverse conditions during the disasters and arrange for propagation in the Dist.
- Plan methods for quick transportation of seriously injured and sick persons from disaster areas to Speciality Hospitals for effective treatment.
- CMOH will have arrangements for providing funds to all the Govt. Hospitals down to the PHCs during emergencies.
- After receiving the first flood warning, alert down level Health Officer to plan and keep in readiness mobile hospitals, emergency field medical teams, Para medical teams, surgery facilities, first aid kits etc. with sufficient equipments and medicines at Dist.Hospitals and PHCs. They should be in a position to move to the affected areas at short notice.
- Keep teams of doctors ready with stocks of medicines required for relief to move to vulnerable areas in short time. Stock adequate quantities of medicines, lifesaving drugs, disinfectants, vaccines, inoculations and chlorination equipment.
- Ensure availability of adequate doctors, trained personnel, medical stores and equipment for movement at short notice to vulnerable areas. Make provision of sufficient number of ambulances and transport vehicles. Plan additional space for extra beds in District/ Sub-Division/ Rural Hospitals & Block Primary Health Centres.
- Plan for establishment of field medical centers, mobile clinics, emergency operation centers and trauma counseling centers at vulnerable areas on short notice.
- Plan for stocking sufficient quantities of blood of different groups at nearby Blood banks. Update the list of Govt. /Private Doctors and Supporting Staff whose services can be utilized during emergencies. Instruct them to be in readiness to move at short notice.

#### **DURING DISASTER PHASE:**

- CMOH will be in regular touch with District Administrations to be aware of the severity of situation and extend medical services accordingly in the affected areas. Medical Control Rooms at District, Sub-division & Block levels shall be established with help lines.
- Whereever necessary seriously injured and sick persons are shifted to Dist./State/Referral hospitals for specialist services. Provide first aid and medical assistance for injured and sick people. Special care should be taken for the aged and disabled children and pregnant women.
- CMOH will move maximum number of Medical and Para Medical Teams, Ambulances and Mobile Hospitals with adequate equipments, medicines etc. to the affected area and provide medical assistance round the clock to the people. Each team should be allotted specific place in the disaster area and specified relief centers.
- CMOH should take all measures to ensure that replenishments are made continuously. CMOH will requisition the services of medical teams from unaffected Blocks for use in disaster affected areas. CMOH will liaise with State for providing additional specialist teams and equipments from State Headquarters and other States.
- Ensure that sufficient numbers of temporary medical camps are set up in the affected areas.CMOH will take maximum precautions to prevent outbreak of epidemics/waterborne diseases in the disaster areas.
- Utilize the services of Private Doctors, Allopathy, Ayurveda and Homeopathy in the disaster-affected areas. Organize mobile health units and temporary hospitals for providing medical relief and for preventing outbreak of epidemics. Teams of specialist doctors will tour affected areas with adequate medicines and equipments for providing specialist services on the spot.

#### **Post Disaster Phase:**

- Ensure that CMOH and other medical authorities at Dist. and down-stream levels are in constant touch with Control Rooms, know the latest situation and extend medical facilities accordingly. Ensure continuation of educating people on precautions to be taken for maintaining hygiene and health in adverse conditions.

- CMOH to continue provision of medical facilities at the affected areas and relief camps till the people return to their places. Ensure adequate measures to continue for preventing outbreak of epidemics by using disinfectants and chlorinated lime.
- CMOH will obtain information on the medical relief provided at disaster areas, quantities of medicines used, the quality of services provided by Medical and Para Medical Staff, the adequacy of medical facilities available at vulnerable areas and forward to State for future action.
- Maintain a record of persons treated with full details and particulars for reference at later date. Update and send plans for additional requirement of facilities, infrastructure to be created at vulnerable areas. Prepare a document on the event and send to State authorities for reference in future.
- Ensure continuation of educating people on precautions to be taken for maintaining hygiene and health in adverse conditions.CMOH to continue provision of medical facilities at the affected areas and relief camps till the people return to their places.
- Vector borne diseases like malaria, filaria, dengue, chikungunia, Japanese encephalitis, sprinkling of bleaching power and lime on the drains and roads to prevent gastro enteritis with the help of Sanitation team.
- During the natural calamities the immune states of the children will reduce naturally. Hence there is need of post disasters immunization like Polio, Measles and Vitamin- A.

#### **4. Animal Resources Development Department (ARD) :**

##### **Normal Phase:**

- Demographic profile of families engaged in poultry, dairy, sheep, goat and pig rearing, their location, unit size etc will be mapped and provided in the Plan.
- Cattle rearing community at vulnerable places will be advised not to go for heavy animals, since shifting them during disaster period would be difficult. Plan an implementation scheme for educating fisherman and animal rearing communities of the vulnerable villages on the measures to be taken before/during/after disasters to avoid loss of lives and properties and animals.
- Sufficient publicity will be planned at villages through visual education, training and mock drills. Identify safe shelter places for animals with adequate fodder and water facilities in all vulnerable villages for use during disasters.
- The department has to prepare a departmental DM plan including resource of inventories, list of shelter places, medical needs, awareness generation plan etc. The mitigation measures for life loss shall be worked out in detail.

##### **Pre Disaster Phases:**

- District authorities will activate control rooms, flood-warning centers. Ensure that flood warnings and precautions are properly received by the vulnerable communities and prepare them to face the disaster.
- Cattle rearing community at vulnerable places will be advised not to go for heavy animals, since shifting them during disaster period would be difficult. Move cattle, sheep, goats, pigs etc to safer cattle yards from vulnerable areas and provide fodder and water
- Staff meant for emergency duties will be sent to their respective places of work and will be ready to undertake rescue and relief measures.
- Provide medical help to distressed animals.
- Chalk out a strategy to deal with drought situation so as to ensure continuous supply of fodder and water to the animals.

##### **During Disaster Phase:**

- The control rooms and flood-warning centers at Districts will provide/send warning and other information to all affected areas. The dept will ensure that flood warnings and precautions are properly received by the vulnerable communities and face the disaster.
- Ensure that poultry farms take measures to safeguard their poultry birds and equipments. Move cattle, sheep, goats, pigs etc to safer cattle yards from vulnerable areas and provide fodder and water
- Arrange for providing medical help to distressed animals. Ensure that sufficient quantities of medicines and vaccines are stored at places nearer to the vulnerable villages. Arrange for visits of veterinary doctors to affected villages.

##### **Post Disaster Phase :**

- Ensure that Control Rooms and flood-warning centers at diffrents locations of this District will continue sending messages to the affected villages.



- Plan and implement schemes for educating fishermen and animal rearing communities of the vulnerable villages on the measures to be taken after natural disasters to avoid loss of lives and properties and animals. Sufficient publicity will be planned at villages through visual education, training and mock drills.
- For increasing the awareness among fishermen community, provide training/conduct mock drills on the basis of experiences gained during disaster phase.
- Coordinate for veterinary help to distressed animals. Ensure supply of medicines and vaccines at places nearer to the vulnerable villages. Coordinate for mass vaccination wherever necessary. Plan for strengthening storage facilities for medicines and vaccines.
- Private Doctors to establish veterinary service centers in vulnerable areas. Plan for more mobile health units for cattle.
- Provide sufficient food/fodder/water for animals kept at safe yards.

**5. Agriculture Department:** Agriculture Department always sustains losses/damages when floods and cyclone occur. The quantum of losses is proportional to the intensity, time and duration of the hazard. It is difficult to prevent such losses but remedial measures can be taken to save the crops on the basis of distinguishing traits of area & nature of soil.

**Normal Phase :**

- Plan and equip the Dist. to have latest technologies to assess the standing crop position, with reference to probable disaster, mechanism to advise farmers for safeguarding and in case of losses- procedures to estimate the damages and to inform State Authorities.
- Ensure that regular feedback is provided by Blocks indicating seriousness of disaster, level of distress, position of standing crop and likely losses.
- District will prepare a long term action plan for meeting relief requirements of farmers in vulnerable areas.
- Estimate drought proneness and plan for such contingencies
- Create awareness among farmers on various kinds of threats and possible mitigation measures
- Prepare departmental action plans with all plausible mitigation measures to minimize crop losses with long term perspective

**Pre Disaster Phase:**

- Collect standard data base village wise, crop wise, survey number wise, farmer wise data from village KPS.
- Formation of GP,Block,Sub-division and District Level Disaster Management Team in liaison with other departments like Agriculture, Veterinary, Sericulture, Fisheries, Horticulture, Panchayat Raj, Irrigation and Waterways etc.
- Existing seed storage godowns (Seed Store/Oil Seed Godowns etc) are to be repaired for storing of seeds during calamities. Formation of seed banks are encouraged for construction of pucca Godowns to store harvested produce under govt. schemes.
- Preparation of Contingency Plan for the Department.
- Assignment of roles and responsibilities to all the staff so that they can act accordingly at the time of a disaster.
- Enumeration of available resources within the department & listing them that can be utilized at the time of disaster.
- Proper Training/Awareness Programmes of different type of disasters must be conducted in every GP, Block and District Headquarters.
- Farmers who are to face disasters are more likely to preserve life and property. They will also minimize recovery time and resume productivity much faster.
- Farmers must update list of pesticides, fertilizers, fuels, medicines and chemicals. During a disaster, these chemicals can wash into streams & contaminate food supplies, placing people and animals at risk.
- In addition to family disaster kits, agriculture producers should also keep on hand additional supplies to protect the farm.
- Update credit facilities and crop insurance details from financial institutions
- Ensure that sufficient quantities of agricultural inputs such as seeds, fertilizers, pesticides, equipments and fodder are available at three levels. If necessary, they will be supplied at short notice in vulnerable areas.
- Move and position the staff meant for disaster management duties at their pre-decided places. They should move in villages and advise farmers on precautions to be taken for protecting the standing crop.
- The nodal officer should ensure that suitable instructions are issued to their field officers including their duties and function before, during and after disasters.

**During Disaster Phase:**

- Coordinate with Sub-division, Block & GP Level Offices to get feedback on seriousness of disaster, level of distress, relief provided, steps taken for saving maximum standing crop, extent of flooded agricultural lands and estimated loss of crop.
- Dist. will direct Block /Villages to be in close coordination with other line departments to ensure adequate relief is provided to the farming community.
- Establish linkages with State/District Control Rooms
- The Department of Agriculture will assist in assessment of damage to Agriculture & Farming Community and help them to restart their agriculture/ farming operations.
- Ensure availability of staff teams (Extension Officers and Others) visiting/stationed at respective disaster sites with necessary equipments, medicines, logistic support and authority as planned and establish communication links.

**Post Disaster Phase:**

- Village level team should visit the vulnerable cropped area and give suitable technical advices to the farmers.
- Ensure that adequate and timely relief/credit is made available to farmers for purchase of agricultural inputs through govt. /private aids and easy loans through banks.
- Seeds, fertilizers and pesticides should be provided at subsidized rates. Ensure that all relief measures, credit facilities and inputs are made available continuously to farmers till their next crop is harvested.
- Develop data base village wise crop wise, irrigation- source wise, insurance details, credit facilities etc with an objective of forecast of damages due to disasters.
- Fodder should be supplied in sufficient quantities at low prices.
- The enumeration team while enumerating the crop loss, should also record the names of the tenant farmers, along with the owners' name. They should also record the extent of cultivated land held by the tenant farmers.
- Assess the extent of damage to soil, crop, plantation, micro-irrigation systems, storage facilities and intervention (estimate the requirement of seeds, fertilizers, pesticides, labour, tools and equipments etc).

**Responsibilities of Officials:**

| Sl No | Designation                       | Responsibilities of Officials  |
|-------|-----------------------------------|--|
| 1     | Deputy Director of Agriculture    | <ul style="list-style-type: none"> <li>Ø Formation of Teams</li> <li>Ø Formation of Control Room</li> <li>Ø Trainings to Astd. Director of Agriculture.</li> <li>Ø Preparation of advanced precautionary measures, Pamphlets, Leaflets.</li> <li>Ø Advance indent of seeds &amp; other inputs etc.</li> </ul>  |
| 2     | Assistant Director of Agriculture | <ul style="list-style-type: none"> <li>Ø Data base collection</li> <li>Ø Trainings to AEOs</li> <li>Ø Inputs requirement</li> <li>Ø Disseminating warning to AEO</li> <li>Ø Supervision &amp; Inspection of crop and land, damage prone areas in advance &amp; consolidation of crop &amp; land damage information.</li> <li>Ø Conducting meetings with farmers once in a season at their Blocks.</li> </ul> |

**6. PWD(Civil) and PWD(Roads) :****Normal Phase:**

- Private buildings will be identified suitable for use as shelters by the departments at Districts & Blocks. Prepare list of such buildings and provide them the necessary authorities.
- Direct Dist. and Block authorities to inspect and identify roads, bridges, culverts and buildings which are vulnerable for floods and repair/strengthen them.
- The identified weak bridges, culverts & other weak ones should be demolished and the new ones are to be constructed. Buildings which are in collapsible stage should be demolished. New roads/repair of roads should be carried out. The roads/buildings should be made hazard proof.
- Ensure that building codes are strictly followed by public in disaster prone areas. They should be made mandatory.
- In case of heavy rains, the roads are prone to breaches. Vulnerable points have to be listed out in advance and indicated in maps. They shall be reviewed every year before the monsoon and repair accordingly.
- Ensure that the new construction does not block natural drainage lines. Enough culverts etc. may be provided.

- A good network of motorable roads should be constructed in all vulnerable coastal areas. This not only facilitates quick evacuation at the time of need, but also the supply of relief to the needy, in the aftermath of flood.
- Retrofitting of buildings, building foundations and structures should be made as a component of disaster management policy, applicable in vulnerable areas. Suitable guidelines may be issued for retrofitting.

#### **Pre Disaster Phase:**

- S.E shall conduct the disaster preparedness meeting twice in a year and advise the field functionaries to gear up for the situation. Such meetings shall be organized well in advance before the onset of monsoon.
- The EE shall verify the working condition of the machinery once in three months.
- Shelters and private buildings identified for use as relief camps should be checked and strengthened wherever necessary. Special attention should be given for securing weak doors, windows and compound walls.
- Direct Districts and Blocks to make a final check of roads, bridges, culverts, buildings and carry out urgent repairs wherever necessary.
- Shelters and private buildings identified for use as relief camps should be checked and strengthened wherever necessary.
- Move machinery and equipment meant for repair of roads and buildings & for removing obstructions nearest to the vulnerable areas for use during emergency.

#### **During Disaster Phase:**

- Observation of the cyclone movement and situation
- Alerting field teams.
- Enquiring the availability of machinery and keeping them ready for deployment wherever necessary.
- Deputing field staff from non-affected areas to assist staff in likely affected areas.
- Staff on leave should return to their Headquarters.
- No leave shall be sanctioned at the time of disaster.
- Preparation for post disaster activities.

#### **Post Disaster Phase:**

- Ensure restoration of traffic movement wherever possible by quick repairing of breaches. Inspection of roads to be carried out and traffic obstruction to be removed. Assessment of damages with proper reporting to authorities should be done.
- Coordinate with State and plan for providing adequate number of drains by the side of roads, particularly considering the past experience.
- Sanction and execution of temporary restoration works & updation of maps
- Steps will be taken for raising the stretches of roads passing through low areas and increase drainage facilities with prior approval of the State.
- Create a reliable road network that connects vulnerable areas and selected nodal centers, from where transport, relief and rehabilitation operations can be undertaken during future disasters.

#### **Roles and Responsibilities:**

| Sl No | Designation                           | Roles and Responsibilities  |
|-------|---------------------------------------|---|
| 1     | Jr. Engineer (SAE)/Assistant Engineer | <ul style="list-style-type: none"> <li>Ø Identification of vulnerable points</li> <li>Ø Preparation and submission of estimates for taking up and strengthening of vulnerable points.</li> <li>Ø List out the machinery like power saws, JCBs etc., with their conditions and submit to the Executive Engineer.</li> <li>Ø List out the contractors with their addresses and contact numbers.</li> <li>Ø Inspection of weak and narrow Bridges, Culverts and cause ways with details of repairs to be taken up.</li> <li>Ø Identification of over flowing locations impending disaster.</li> <li>Ø Identification and removal of weak and dried trees along the road side.</li> <li>Ø Alternate routes to be identified and listed out.</li> <li>Ø Execution of works approved and preparation and submission of bills for payments.</li> </ul> |

|   |                         |  |
|---|-------------------------|--|
| 2 | Executive Engineer      | Ø Sanction of estimates submitted by Assistant Engineer.<br>Ø Entrustment of works to the contractors on nomination basis or short tender basis.<br>Ø Verification and super check measurement of all works executed by Jr. Engineer/ SAE.<br>Ø Payment of bills to the contractors.   |
| 3 | Superintending Engineer | Ø Sanction of estimates submitted by Executive Engineer<br>Ø Entrustment of works to the contractors on nomination basis or short tender basis.<br>Ø Verification and super check measurement of all works executed by AE / EE.<br>Ø Getting all correspondences regarding activities to be taken including all repairs or construction in the period of pre, during and post disaster with district administration. |

## 7. Irrigation and Waterways Development Department :

### **Normal Phase:**

- ☐ Materials such as empty cement bags, sand, metal, stone bellies etc. will be stocked in adequate quantities in all flood stores for immediate use before and during floods.
- ☐ Ensure no human encroachment near the drains and settlements in the low-lying areas.
- ☐ Ensure repair /restoration of canals, Irrigation tanks and desalination of damaged agricultural fields.

### **Pre Disaster Phase:**

- ☐ Catchment maps are to be ready for all irrigation sources. And all the vulnerable locations in the sources are to be identified along with the Water Users Associations / Distributory Committees / Project Committees.
- ☐ Check and repair the main Irrigation canal system and control structures.
- ☐ After receipt of first flood warning discharge through dams all lower riparian rights of villages downstream of the dam are required to be given to the District Magistrate, Exe.Engineer of the concerned district.
- ☐ During the closure period the irrigation staff has to procure required stores i.e. empty gunny bags, sand, bellies of 1m length with 100mm dia, gaslights, bamboo thatties, gamelas, country twine, needles, crow bars, hammer with handles, torch light etc. One flood store will be maintained at district level. The flood store will keep empty sand bags, dewatering pumps, diesel generators, tarpaulins, tents etc.
- ☐ The Asst. Engineer should make arrangement to intensify patrolling of river banks round the clock and as soon as the reservoir comes to full tank level and the spillway gates are to be operated to avoid further storage in the reservoir-the same should be conveyed to E.E. & S.E.
- ☐ Before cyclone / flood the AE / EE will inspect each and every vulnerable points and the areas prone for inundation for taking precautionary measures and the summary of all actions should be intimated to the higher officers.
- ☐ Materials such as empty cement bags, sand, metal, stone bellies etc. will be stocked in adequate quantities in all flood stores for immediate use in the event of disaster.
- ☐ Strengthen the weak bunds of all irrigation sources and arrange for patrolling weaker points to avert breaches.
- ☐ Ensure that all the irrigation drains are cleared of blockades and obstructions.
- ☐ Move all emergency duty officers/staff and equipments to vulnerable areas.
- ☐ To be in readiness to take up emergency works.

### **During Disaster Phase:**

- ☐ Materials such as empty cement bags, sand, metals, stone bellies etc. will be stocked in adequate quantities in all flood stores for immediate use for plugging the breaches.
- ☐ After receiving 1st warning the status of flood is to be intimated to the District Magistrate and NGOs to address public in all the adjacent villages & it is to be intimated to AIR and for live telecast channels.
- ☐ Strengthen the weak bunds of all irrigation sources wherever necessary to prevent breaches. Assistance from local people is to be utilised and exploited.
- ☐ After receiving cyclone/ flood warning from catchment area to source utilization location the departmental field officers have to inspect all the sources jurisdiction wise.

- ☐ After flood / cyclone warning- Control Rooms are to be formed at SE/EE/ offices respectively and required vehicles are to be kept at store sheds to carry the materials required to the spot. Ensure that all the irrigation drains are cleared from obstructions.
- ☐ Continue to clear the mouths of all drains for free flow of flood water.

#### **Post Disaster Phase:**

- ☐ After floods recede necessary arrangements have to be made to the farming community to safeguard agriculture by making temporary restoration arrangements to the affected irrigation sources, which include forming ring bunds, plugging breaches, removing of all shoals and rectifying damages to structures.
- ☐ The officers involved for restoration of post disaster damaged irrigation sources are Jr. Engineer (SAE)/ AE, , EE, Proper identification of the breaches are to be made up and restoration works are to be taken up accordingly.
- ☐ Restore the damaged infrastructure. Attempts will be made for farming community to start agriculture within minimum possible time to bring the socio economic life back to normal position in the affected areas.
- ☐ Review and request for construction of dams, check dams and new irrigation/drainage canals for long term improvement and for sustained economic growth.
- ☐ Suggest measures for strengthening the river banks and canal bunds to avoid breaches.

### **8. Public Health Engineering :**

#### **Pre Disaster Phase:**

- ☐ SAE/ AE will identify the non – functioning schemes or hand pumps, repairs needed to platforms and tap fountains including its surroundings in coordination with the GP level teams and action is to be taken to get them repaired.
- ☐ The Gram Panchayat shall be suitably instructed to utilize the funds for restoration of Water Supply Sources on top priority
- ☐ The SAE /AE will identify the vulnerable water sources which are to be chlorinated before and after the Disaster with the help of Gram Panchayat teams.
- ☐ The hand pumps existing in the low lying areas shall be raised to the expected maximum flood water level by raising the casing pipes and platforms to avoid possible contamination.
- ☐ Keeping ready stock of Liquid Chlorine / Bleaching powder with the Gram Panchayat and to observe proper chlorination being done regularly
- ☐ Ensure identification of the safe sites in the Gram Panchayat areas and adjacent areas where safe water can be brought in case of submergence of the area.
- ☐ The unsafe sources if any shall be suitably marked and shown to concerned team members.
- ☐ The safe source including private sources are to be identified with proper testing for potability using the field testing kits & materials.

#### **During Disaster Phase:**

- ☐ Keep ready stock of all relevant items with the department
- ☐ Ensure that the list of tankers are to be made ready by the SAE/AE along with capacity of tankers, their addresses, contact numbers and distance from the vulnerable areas.
- ☐ Availability of generators and their owners along with contact address and distance to the vulnerable area are to be ascertained by the assigned team members.
- ☐ During the disaster awareness is to be created by the team members among people to construct and use ISLs in order to avoid open defecation during Cyclone/ Floods. The vulnerable villages are to be brought up to Nirmal Gram Puskar status.
- ☐ It is to be ensured that during relief operations safe drinking water is provided to the affected persons.

#### **Post Disaster Phase:**

- ☐ The list of damages occurred during cyclone/ floods are to be identified by the SAE / AE in consolidation with the Team along with required budget for temporary / permanent restoration.
- ☐ Ensure that permanent restoration may also be taken with local funds if the amounts required are small.
- ☐ Monitoring of water quality should be restored or initiated immediately. Post disasters daily determination of the chlorine residual in public water supplies is sufficient.

- ☐ Ensure that Chlorine and chlorine – liberating compounds are the most common disinfectants. Chlorine compounds for water disinfection are usually available in chlorine base forms.
- ☐ Chlorinated lime or bleaching powder, which has 25% by weight of available chlorine when fresh, its potency should always be checked before use..

**Roles and responsibility:**

| Sl No | Designation             | Roles and Responsibilities   |
|-------|-------------------------|--|
| 1     | Superintending Engineer | <p>Ø To consolidate the information of vulnerable areas and location of hand pumps and schemes safe / unsafe low lying areas on maps.</p> <p>Ø Indent for required pump sets, hand pump spares, minimum stock for material required for PWS/ CPWS schemes with proper sanctions at district level</p> <p>Ø To arrange for training of RWS Staff and awareness through EE/ AE to Pradhans / Nirman Sahayaks / Secretaries on maintenance of Schemes / Hand pumps, Chlorination etc.,</p> <p>Ø Keeping active the Monitoring cell at District level, Sub division Level, Block Level, GP Level.</p> <p>Ø Monitoring the Cyclone/Flood Related Activities</p> <p>Ø To consolidate requirement of funds for permanent measures and submission to the head of the department for sanction.</p> <p>Ø Liaison with other line departments for proper coordination of relief operations.</p> |
| 2     | Executive Engineer      | <p>Ø To arrange for training of RWS staff and awareness through EE/ AE to Pradhans / Nirman Sahayaks / Secretaries on maintenance of Schemes / HandPumps, chlorination etc.,</p> <p>Ø Deployment of AE / SAEs from unaffected areas to the affected areas.</p> <p>Ø Monitoring the Cyclone/ Flood related activities.</p> <p>Ø To consolidate the requirement of funds for permanent measures and submission to the superintending Engineer for sanction.</p> <p>Ø Liaison with other Line Departments for proper coordination of relief operations.</p> <p>Ø Submission of audited utilization certificates.</p>  |

**9. WBSEDCL: Normal time activity:**

Establish at each sub-station a disaster management tool kit comprising cable cutters, pulley blocks, jungle knives, axes, crowbars, ropes, hacksaws and spinners. Tents for work crews should also be in storage. Action Plan Objective in a Disaster Situation should be to restore the power supply and ensure uninterrupted power to all vital installation/facilities at sites.

**Activities on Receipt of Warning**

Within the affected District/Blocks, all available personnel will be made available for immediate use & service by the District Collector. If more personnel are required, the cut of station officers or those on leave may be recalled. All personnel required for Disaster Management should work under the overall supervision and guidance of District Magistrate. Establish radio communications with district control room and departmental offices within the district. All district level officials of the department would be asked to report to the Collector. Appoint one officer as "NODAL OFFICER - Power Supply" at district level. Review and update precautionary measures and procedures and review with staff the precautions that have been taken to protect equipment and the post disaster procedures to be followed. Assist the district authorities to make arrangements for standby generators in the following public service offices from the time of receipt of alert warning

- ☐ Hospitals
- ☐ Water Supply Deptt.
- ☐ Police Stations
- ☐ Telecommunication Offices.
- ☐ Meteorological Stations.

Fill department vehicles with fuel and park them in a protected area.

- ☐ Check emergency tool kits, assembling any additional equipment needed.
- ☐ Immediately undertake inspection from the time of receipt of alert warning of High Tension Lines, Towers, Substations, Transformers, Insulators, Poles.

On the recommendations of the Collector/District Control Room/" Officer-in- Charge – Power Supply" of the department in the district will Instruct district staff to disconnect the main electricity supply for the affected areas, dispatch emergency repair gangs equipped with food, bedding, tents, and tools to the affected sites for undertaking restoration works.

**Relief and Rehabilitation: Field office priorities:**

- ☐ Hire casual laborers on an emergency basis for clearing of damaged poles and salvage of conductors and insulators.
- ☐ Begin repair/reconstruction.
- ☐ Assist hospitals in establishing an emergency supply by assembling generators and other emergency equipments, if necessary.
- ☐ Establish temporary electricity supplies for other key public facilities, public water systems, etc.
- ☐ Establish temporary electricity supplies for transit camps, feeding centres, relief camps, district control room and on access roads.
- ☐ Compile an itemized assessment of damage, from reports made by various electrical centers and sub-centers.
- ☐ Report all activities to the head office.
- ☐ Establish temporary plan for emergency accommodations for staff from outside the area.

**10. Telecom Department:**

Establish radio communications with state control room, district control room and departmental offices within the district. All personnel required for Disaster Management should work under the overall supervision and guidance of District Magistrate. Appoint one officer as "NODAL OFFICER- Communication" at the district level. Review and update precautionary measures and procedures, and review with staff the precautions that have been taken to protect equipments and the post-disaster procedures to be followed. Fill department vehicles with fuel and park them in a protected area.

Inspect and repair all

- ☐ Radio masts
- ☐ Anchorages
- ☐ Foundations and cables
- ☐ Poles
- ☐ Overhead circuits.

Upgrade outside equipment to withstand wind speeds and other adverse weather conditions. Designate at each exchange a member of staff (such as an inspector) as a disaster officer. He must live in the area, be aware of the likely effects of a disaster, and should be knowledgeable about necessary precautions and post-disaster procedures to be followed. House all electrical and switching equipments in damage-proof buildings. All storage batteries should be charged fully during alert for long use in the post disaster period, when the electricity supply is not likely to be available. Establish an emergency tool kit at each exchange, including:

- ☐ Cable cutlries
- ☐ Cutting pliers
- ☐ Spanners
- ☐ Ropes
- ☐ Ratchet tension
- ☐ Crosscut saws
- ☐ Pulley blocks with rope
- ☐ Hand gloves

Check emergency tool kits and assemble any additional equipment needed. Provide at least two tarpaulins in every building with radio equipment, tele printer equipment, and manual and autoexchanges. Install standby generators in all exchange buildings for the recharging of batteries. Secure all outside equipment to the extent possible. Arrange for the transport of additional vehicles for inspectors. Assemble equipment and emergency stocks of materials likely to be necessary for restoration of services. Arrange emergency standby cable for dispatch to the affected area immediately after the disaster. Remove fuses from the lines and disconnect the power supplies to equipment in disaster areas, if necessary.

## **11. Panchayati Raj Institutions:**

### **Normal Phase:**

- Convening special Gram Panchayat meeting inviting Field Level Officials, GP Members, Youth Groups, Village elders, NGOs and other organizations/ institutions and officials working in the Gram Panchayat to discuss the management of disasters and constitution of Gram Panchayat Disaster Management Committee.
- Energize the Control Rooms to monitor warning signals and to pass on necessary information through wireless, HAM Radio sets etc.
- Identification of Vulnerable areas discussion for various activities and preparation database.
- Selection of Cyclone shelters/ relief centers for shifting people / livestock to safer places. Ensure periodic inspection and repair of shelters and other buildings identified for running relief camps.
- The plans prepared for disaster management for implementation at Samsad levels will include all the works related to drinking water, minor irrigation canals, minor tanks and bunds, safe shelters, sanitation, food, other essential items. These Plans are to be sent to Blocks much in advance for implementation.
- Request GPs & Blocks to implement plans for provision of safe drinking water. Lay down procedures and mechanism for implementing long term sanitation requirements and their maintenance.
- Plan and provide sufficient number of hand pumps, bilge pumps and other suitable equipment to drain water quickly. Drinking water hand pump sets should be planned and constructed above the normally expected flood level.
- A list of water tankers available with public/private departments /agencies will be prepared with requisite details. Their services will be used during floods for supply of safe drinking water.
- Depending on the topography, high and low levels of lands in Blocks and Villages, the natural drainage routes for rain water will be identified. They will be suitably mapped. Steps will be taken to ensure that these routes are maintained and never blocked.

### **Pre Disaster Phase:**

- District level committee shall have public representatives and they will participate and take steps for facing the disaster. The control room will be activated.
- Mapping of resources of NGOs/CBOs/ Charitable Organizations to arrange training programmes and to make special arrangements for evacuation of old, handicapped, children, expectant and lactating mothers.
- Identification of alternative road/ path/ route to reach the cyclone centers/ relief centers safely & constitute volunteer teams in consultation with the members present in the Gram Panchayat meeting habitation wise.
- Conduct training programme and Mock drills on the disaster management for the following:  
Members of Gram Panchayat and officials of other Institutions. NGOs and other Voluntary Organizations.
- Ensure flood shelters and other buildings identified for running relief camps & carrying on relief operation. And keep the shelters and other identified public buildings in good condition ready for use.
- Direct the Gram Samsad to take advance action for provision of safe drinking water during crisis. Make arrangements for maintaining continuous supply and availability of food, kerosene and other essential items.
- Direct line authorities to position sufficient number of hand pumps, bilge pumps and other suitable equipments to drain water quickly.
- Alert the Dept. to position water tankers available with public/private departments/agencies for providing safe drinking water in the likely affected areas.
- Direct authorities to ensure that the natural drainage routes are kept free in all vulnerable villages to allow flood water to drain quickly. Rural Water supplies should be maintained efficiently to avoid disruption. Chlorine/bleaching powder should be stocked in sufficient quantities.
- Identify low-lying areas and arrange for clearing off water in case of inundation. Clear all the drains to ensure free flow of storm water.
- The village Disaster Management Committee shall procure tarpaulins other materials from agricultural market committee, corporations and locally to meet the future requirements.
- Identify dried branches of roadside trees and cut them to avoid accidents, the dried up wood stored and may be used at cooking centers.
- The Gram Panchayats shall take steps to keep the required sand bags and wooden poles at the vulnerable points like M.I tanks, ponds etc.
- The Gram Panchayat shall clean the drainage system and arrange additional drainage system to drain excess water.



### **During Disaster Phase:**

- ☐ The control room will be further strengthened.
- ☐ Control Room will monitor warning signals / precautions and pass the information to the people through wireless, HAM Radio sets.
- ☐ Direct the Gram Samsad to take suitable action for provision of safe drinking water in affected villages and at relief camps through tankers and other means.
- ☐ Coordinate with line authorities to drain water quickly. First priority for water pump houses, sub-stations, hospitals etc. Second priority will be residential areas. Ensure that flood water drains out through natural drainage routes by removing obstructions if any.
- ☐ Direct officials to make up stocks of essential food items, medicines etc. required for distribution at affected villages and relief camps. Similarly for items required for repair works and for de-watering.
- ☐ Keep ready the required rice and other provisions at centers and required fire wood, gas, gas stoves.
- ☐ Keep ready for first aid teams with required medicines by contacting the local PHC, B.P.H.C. and position them at the cyclone centers/ relief centers.
- ☐ Arrange vehicles for transport of people from the low lying areas to Multi Purpose Flood Shelters. Assist Disaster Management Department in evacuating the people from low lying areas to safe places. Inform the people through mikes, tom-tom through the volunteer teams and help people prepare to evacuate themselves from the areas.
- ☐ Inform the people to drive away the cattle sheep and goat to the safe and elevated places.
- ☐ Make arrangement for the cooking and supply of food at the cooking centers identified. And keep all the sanitation material at cyclone centers/ relief centers.

### **Post Disaster Phase:**

- ☐ Removal of dead bodies, animal carcasses with the help of Disaster Management, Police and Medical Departments. Arrange for their disposal/ cremation to prevent any epidemic.
- ☐ Planning and implementation of Rehabilitation of affected people, Repair and Reconstruction of damaged houses, physical infrastructure etc. and help put back to normal economic activities including farming etc.
- ☐ Assist Disaster Management Department in the assessment of dead persons, livestock and damages to houses and properties of individuals, agriculture, community assets.
- ☐ Supervise the preparedness levels of Gram Pachayat by inspecting the vulnerable houses, roads, buildings, water sources contingency plan etc.
- ☐ The long term mitigation plan should be integrated with normal development plan in such manner that protective and preventive measures against the disasters are included in the implementation of all development projects under each and every sector.
- ☐ Identification of material availability locally for construction of temporary sheds.
- ☐ Ensure communication facilities such as telephone, cell phones, wireless sets and their functioning. And procure sanitation material like lime, phenyl, bleaching powder, with equipment.
- ☐ The repair and reconstruction activities should be integrated with the long term mitigation planning so that the quality of reconstruction and repair is in consonance with the specifications provided for disaster resistant structure.
- ☐ List out donors, philanthropists, trusts, and request them to assist in relief and rehabilitation measures.
- ☐ Mapping of Hazards and Vulnerability should be initiated, if it is not done and detailed maps should be prepared for each block and district and should be placed in both district and blocks.
- ☐ Control room will continue its activities. Restore normal communication, power and drinking water facilities on priorities.
- ☐ Coordinate with line authorities to drain water quickly. First priority for water pump houses, sub-stations, hospitals etc. Second priority will be residential areas.
- ☐ Special funding should be made available for the construction of physical infrastructure to include disaster resistant technologies particularly in the construction of Houses, Roads, Electric Transmission Lines, Drinking Water facilities, Bridges and Culverts, Tele-Communication Irrigation Canals, Tanks and Reservoirs, etc., for the sections which are most vulnerable & supervise all construction and developmental activities.

### **Media Management and Dissemination Strategy Overview of the Role of the Media in Emergency Management**

The role of the media at all levels of emergency management is not to be overlooked. In emergency, managements are pathways of information, dissemination and channels of public demands-it is how must citizens learn about disasters. The media can be helpful, complementary, critical or indifferent.

## Importance of the News Media

The bottom line is that it is important to make the media part of the emergency management team prior to a disaster event. They should be brought into disaster planning and exercising activities. Their coverage will be more informed and accurate if they know the stakeholders and programs ahead of time. You need the media to communicate to the punch in a disaster event so that you can:

- ☐ Reassure them what needs to be done is being done.
- ☐ Communicate the progress that is being made
- ☐ Provide correct and needed information and dispel rumors.

| Positive Role of the Media  | Negative Role of media   |
|---|--|
| Supplies information and direction to the affected public. Disseminates information on preparedness measures for future similar disasters. Simulates volunteerism and donations, including blood donations. Discloses needs for improvement in governmental response. Sometimes withholds potentially counterproductive information | The media speed up the political process of disaster and crisis management. They put pressure on the decisionmakers and crisis managers to explain and justify what they do in order to avert the threat or bring the crisis to an end. They make it increasingly difficult for the authorities to suspend their public appearance until the crisis is over. Cause stress: News gathered frequently make demands on responders and decision-makers for time and physical human resources that are often needed in the emergency. Get in the way. And when they do this, this tends to complicate, interfere with, or confound the work of emergency management |

## Techniques for dealing with the Media:

- ☐ Take the initiative to provide information as soon as it is available
- ☐ Provide frequent updates (even if there is nothing new to report)
- ☐ Be prepared for a wide array of questions
- ☐ Do not make the “off-the-record” comments.
- ☐ Be honest and straightforward
- ☐ Avoid ambiguity and do not guess at an answer-get back in touch with the media to provide information not immediately available.
- ☐ Seek to relate to the audience
- ☐ Use a team approach and ensure media access to informed sources
- ☐ Promptly return media calls and other inquiries.
- ☐ Make special preparation for television appearance. While viewers often forget content, they do remember the style, including appearance and voice quality.
- ☐ Prepare telephone interviews, including knowing who your interviewer represents and the planned use of the material.
- ☐ Provide photo and interview opportunities, including media access to safe zones within the affected area.
- ☐ Provide background information such as maps, charts and photo to enhance print and broadcast stories.
- ☐ Be respectful, tactful and diplomatic in dealing with journalists

## VVIP/VIP Visits:

Visits by VIPs can lift the morale of those affected by the disaster as well as those who are involved in the response. It has been seen that the Ministers, Members of Parliament and State Legislatures, Local Councilors, Leaders of various Political Parties, etc. visit the scene of a disaster and the injured to mark public concern and see the disaster response. It may be possible that the scale of a disaster may compound further problems during visits of the Prime Minister, Governor, Chief Minister etc. Sometimes their visits to the disaster site are likely to adversely affect the rescue operations, particularly if casualties are still trapped. It should be ensured that their visits do not interrupt rescue and life saving work and the police, as co-ordinator of the disaster response, should explain the ground situation to them and try to avoid their visit, if possible. However, in case the visit becomes impossible to avoid, the timings of visits should be fixed up accordingly. The additional need for their security would also cause a problem. The police and the local services are, however, experienced at handling VIP visits and many of the usual considerations will apply to their visit to a disaster site. It would be desirable to restrict media coverage of such visits, in which case the police should liaise with the government press officer to keep their number to minimum. It may also be necessary for the police to brief the VVIP/VIP beforehand about the details of casualties, damage and the nature of the disaster. Therefore a brief outline/ note should be prepared in advance for such full-scale phenomenal briefings.

**NAME & DESIGNATION ALONG WITH TELEPHONE, MOBILE NUMBERS & e-mail ADDRESS OF THE  
DISTRICT LEVEL OFFICERS.**

| Sl. No | Name of the Officer   | Tele. No.<br>(Office/ Resi.)        | Mobile No.               | Mobile No.               | e-mail address   |
|--------|---|-------------------------------------|--------------------------|--------------------------|--|
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| 22     | Shri Dipankar Roy, 2 <sup>nd</sup> Officer to SDO, Balurghat                                |                                     | 9382614051               |                          |  |
| 23     | Shri Dipak Kr. Mukhopadhyay,Dy.DL& LRO,RR&R   |                                     | 9051828210               | 8373069990               | <a href="mailto:dm.dd.jm2015@gmail.com">dm.dd.jm2015@gmail.com</a>   |
| 24     | Mr. Sayed Tanvirul Hasan, attached to SDO, Balurghat  |                                     | 9641706124               |                          |  |
| 25     | Shri Sarbeswar Mandal, SW, SVEEP, Food, Industry  |                                     | 8697111518               | 8373069015               |  |
| 26     | Shri B.B.Lepcha, OC, Small  |                                     | 8373069994               | 9733705172               | <a href="mailto:ddmobalurghat@gmail.com">ddmobalurghat@gmail.com</a>   |

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| 28 | Shri Mahadyuti Adhikary,<br>OC,Kanyashree,<br>confidential                                    | 255555 | 9830749320 |            | <a href="mailto:Kanyashree.dpmu.dd@gmail.com">Kanyashree.dpmu.dd@gmail.com</a> |
| 29 | Shri Apurba Chandra Dey,<br>Addl. LAO, Yubashree,<br>Labour Matters, SSY,<br>Museum           |        | 9434024887 | 8918870826 | <a href="mailto:dmdd.general@gmail.com">dmdd.general@gmail.com</a>             |
| 30 | Shri Kaushik Bhattacharya,<br>JM, RM, LCSC, Border,<br>BSF, Human Rights, Census<br>, Aadhaar |        | 7596039431 | 7908595769 |  |
| 31 | Shri Sourangshu Bhaduri,<br><b>NDC, Pool, Forms &amp;<br/>Stationery</b>                      |        | 8373069992 | 9123028648 | <a href="mailto:ddzlss2013@gmail.com">ddzlss2013@gmail.com</a>                 |
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| 33 | Shri Amitdeb Mondal, SDO<br>Office, Balurghat   |        | 8617386045 |            |  |
| 34 | Shri Partha Sarathi Halder,<br>Tresury Officer-I  | 255617 | 8373069018 | 9830459848 |  |
| 35 | Shri Mithun Das, Tresury<br>Officer-II  | 258106 | 8373069019 | 7595068348 |  |
| 36 | Shri Madhu Sarda, Tresury<br>Officer, Gangarampur   |        | 9333177488 |            |  |

### Block Development Officers

|   |  |                           |            |            |  |
|---|--|---------------------------|------------|------------|--|
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### DMDC & Other Officers

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| 2  | Shri Avijit Saha, DMDC,<br>Gangarampur                     |  | 9083227687 |            |  |
| 3  | Shri Manotosh Mondal,<br>DMDC(Prob.),<br>Gangarampur       |  | 7872453227 |            |  |
| 4  | Shri Suresh Jagat, IAS,<br>Prob.                           |  | 7008798732 |            |  |
| 5  | Shri Masud Karim Shek,<br>DMDC, Prob.                      |  | 8158011744 |            |  |
| 6  | Shri Samirul Islam,<br>DMDC, Prob.                         |  | 9264677256 |            |  |
| 7  | Shri Sovon Das, DMDC,<br>Prob.                             |  | 916878042  |            |  |
| 8  | Shri Joydeb Shaw, ATO<br>(Pension)                         |  | 9051531782 |            |  |
| 9  | Shri Dipankar Roy, ATO,<br>Balurghat Treasury-I            |  | 8420152456 |            |  |
| 10 | Shri Soumendra Naskar, ,<br>ATO, Balurghat Treasury-<br>II |  | 8373069019 | 9874403227 |  |

|    |   |        |            |            |  |
|----|---|--------|------------|------------|--|
| 11 | Shri Subhasis Dutta, , ATO, Balurghat Treasury-II |        | 7908081115 |            |  |
| 12 | Shri Manoj Kumar Palai, DDMO                      | 255020 | 7908415016 |            |  |
| 13 | Shri Sandip Saha, RTO                             | 255684 | 9477308844 | 8017888799 | <a href="mailto:rto_blr@gmail.com">rto_blr@gmail.com</a>                         |
| 14 | Shri Sounok Benerjee, ARCS                        | 256638 | 9933536671 |            | <a href="mailto:coopdakshindinajpur@gmail.com">coopdakshindinajpur@gmail.com</a> |
| 15 | Shri Subendu Seth, Supdt. Of Excise               | 255322 | 9830807897 | 7980514015 | <a href="mailto:acddinajpur@gmail.com">acddinajpur@gmail.com</a>                 |
| 16 | Shri Soumendu Mondal, DSWO,                       |        | 8697788369 | 9734811991 | <a href="mailto:Dswd.dd@gmail.com">Dswd.dd@gmail.com</a>                         |
| 17 | Shri Dibyendu Dutta, DPO, ICDS                    | 255119 | 9531611322 | 7547919190 | <a href="mailto:Dpo.icds.ddpr@gmail.com">Dpo.icds.ddpr@gmail.com</a>             |
| 18 | Shri Arijit Basu, DIO, NIC                        | 255116 | 9830256410 | 7605083458 |  |
| 19 | Shri Tarun Kr. Samanta, Protection Officer        |        | 9732987312 |            |  |
| 20 | Shri Biswanath Biswas, Prob.-cum-After Care       |        | 9002592121 |            | <a href="mailto:Bnb.bb96@gmail.com">Bnb.bb96@gmail.com</a>                       |
| 21 | Shri Amitavo Saha, Anticorruption Unit            |        | 8918282509 |            |  |
| 22 | Smt. Jayeeta Mukherjee, DCPO                      | 255455 | 9433433778 | 9475186550 | <a href="mailto:dcpsdd@gmail.com">dcpsdd@gmail.com</a>                           |
| 23 | District Compensation Officer                     |        |            | 9474172100 |  |

### Police Department

|   |   |                                 |            |              |            |
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| 1 | Sri Deborshi Dutta, IPS, SP, Dakshin Dinajpur | 255321                          | 9083270100 |              |            |
| 2 | MD. Nasim, ASP, Dakshin Dinajpur              |                                 | 9083270101 |              |            |
| 3 | Shri Sukhendu Das                             | Ld. District Judge              |            | 255207       | 8116757374 |
| 4 | Shri Sambhunath Gop                           | O.C., Fire Brigade, Balurghat   |            | 255613       | 6295496930 |
| 5 | Shri Madan Kumar Dey                          | O.C., Fire Brigade, Gangarampur |            | 03521-256800 | 9332971267 |
| 6 | Shri Suresh Tamang                            | O.C., Fire Brigade, Buniadpur   |            | 9564067234   | 9563079440 |

### OTHER DISTRICT LEVEL OFFICERS & OTHERS

|     |                              |                                       |                 |                           |
|-----|------------------------------|---------------------------------------|-----------------|---------------------------|
| 1.  | Shri Ajit Kumar Mandal       | E.O., Gangarampur Municipality        | 6290426338      | 8902667710                |
| 2.  | Shri Biplab Bose             | E.O., Buniadpur Municipality          |                 | 7003671878                |
| 3.  | Shri Subash Chaki            | Public Prosecutor                     | 255921          | 9434144901                |
| 4.  | Smt. Krishna Sharma Sarkar   | Government Pleader                    | 255724          | 9434424662                |
| 5.  | Shri Ashim Chowdhury         | G.M., DIC                             | 255975 / 255976 | 9474710203                |
| 6.  | Shri Anindya Sundar Pradhan  | District Registrar                    | 255282          | 7584066525/<br>9474406191 |
| 7.  | Shri Santanu Chakraborty     | DICO, Balurghat                       | 255277          | 9433350425                |
| 8.  | Shri Bimal Krishna Gayen     | DPO, SSM                              | 256822 / 258153 | 9434311709/<br>7001069151 |
| 9.  | Shri Mrinal Kanti Roy Singha | D.I. of Schools (Primary)             | 255268          | 9563885381<br>/8116007209 |
| 10. | Shri Jyotirmay Biswas        | Dy. Dir. of Agriculture (Admn)        | 255253          | 9474849577                |
| 11. | Shri Purnendu Mahato         | Agril. Income Tax Officer             | 248603          | 9635507752                |
| 12. | Shri Subrata Dutta           | Asstt. Dir. Agriculture Marketing.    | 255406          | 9903180549                |
| 13. | Dr. Samir Modak              | Dy. Director, ARD                     | 255645          | 9434194636/<br>7604010028 |
| 14. | Shri Ajoy Gopal Ghosh        | Assistant Director, Sericulture       | 248389          | 9434723329                |
| 15. | Shri Debasis Bhattacharaya   | LDM, Dakshin Dinajpur                 | 249546          | 7604070514                |
| 16. | Shri Tirthankar Biswas       | DDM, NABARD                           | 271913          | 9830519402                |
| 17. | Shri Tapan Halder            | A.L.C., Balurghat, Dakshin Dinajpur , | 255368          | 7603091130/<br>9800692124 |

|     |                              |                                      |                |                           |
|-----|------------------------------|--------------------------------------|----------------|---------------------------|
| 18. | Shri Sandip Kr. Das          | Geologist                            |                | 9434738714                |
| 19. | Dr. Samarendra Nath Khara    | Dist. Horticulture Officer           | 271682         | 9434510552/<br>8697219908 |
| 20. | Mr. Sayad Abid Ali           | T.D.M., Raiganj Telephone            |                | 9490752786                |
| 21. | Abdul Rajjak                 | Forest Ranger, Balurghat.            | 256001         | 9474071969                |
| 22. | Shri Pradip Dasgupta         | Handloom Dev. Officer                | 03521 - 255123 | 9433437979/<br>62961035   |
| 23. | Shri Bomkesh Halder          | Asstt. Director, Fisheries           | 255625         | 9007772476                |
| 24. | Shri Passing Bhutia          | Commercial Tax Officer               | 255112         | 9932871278                |
| 25. | Shri Nabarun Sarkar          | Secretary, Regulated Marketting      | 255109         | 9932167220                |
| 26. | Shri Dawa Dorji Sherpa       | Supdt., Blg. Juvenile Home           | 255053         | 9800754034                |
| 27. | Shri Amit Chatterjee         | Asstt. Dir. Statistics               | 255216         | 8240021706                |
| 28. | Shri Bikarna Kumar Dutta     | D.F.O., Raiganj                      |                | 9434257505                |
| 29. | Shri Suranjan Bera           | Asstt. Controlar Legal Metrology     |                | 932657554                 |
| 30. | Shri Sonju Simick            | A.L.C. Gangarampur                   |                |                           |
| 31. | Shri Joyonto Roy             | D.C. F&S                             |                | 7604068622                |
| 32. | Shri Rudra Narayan Chaterjee | Asstt. Director Sericulture, Raiganj |                | 9434723279                |
| 33. | Shri Mrinmoy Ghosh           | Dy. of Schools (Secondary Education) |                | 9531587259                |
| 34. | Shri Sushil Kumar Biswas     | Dy. Agriculture (Traning)            |                | 9836847475                |
| 35. | Shri Debabrata Kumar Das     | D.L.O. D.Dinajpur                    |                | 9474715468                |
| 36. | Shri Jibon Paul              | Dy. Director Employment              |                | 9609848006                |
| 37. | Shri Ssykot Mukharjee        | Dist. Mass Education & Extn. Officer |                | 9038992385                |
| 38. | Shri Abdul Rajjak            | Forest Ranger, Balurghat             | 256001         | 9474071969                |
| 39. | Shri ritrobroto Chakraborty  | Public Prosecutor                    |                | 9434130832/<br>7908447087 |
| 40. | Shri Nitin Sarkar            | Telephone (AGM)                      |                | 9434001296                |
| 41. | Shri Utpal Kanti Roy         | UDC, Fisharies                       |                | 8918734314                |

#### HEALTH ADMINISTRATION

|    |                            |                             |                    |                       |
|----|----------------------------|-----------------------------|--------------------|-----------------------|
| 1. | Dr. Sukumar De             | C.M.O.H.                    | 255640/25527(R)    | 9434055272/9830561675 |
| 2. | Dr.Tapan Biswas            | Supdt. of District Hospital | 255641/ 255692 (R) | 8768327985            |
| 3. | Dr. Amal Krishna Choudhury | Supdt. of Gangarampur SDH   | 03521-255065       | 9434055946            |
| 4. | Dr. Ashok Biswas           | Dy. CMOH – III              | 255643             | 9800844644            |

#### TECHNICAL DEPARTMENTS

|     |                          |  |                     |                         |
|-----|--------------------------|--|---------------------|-------------------------|
| 1.  | Shri Soumen Das          | R.M., WBSEDCL                                    |                     | 7449301589              |
| 2.  | Shri Saikat Mondal       | Div. Engineer & Div.Manager , WBSEDCL, Balurghat | 255532/256397(R )   | 7449301552              |
| 3.  | Shri Rajib               | Project Manager, Rural Elec.                     | 255353              | 7449300514              |
| 4.  | Shri Satya Prakash       | Executive Engineer, CPWD                         | 249031              | 7004277178              |
| 5.  | Shri Pulok Saha          | Executive Engineer, P&RD                         | 257876/9434403561   | 9830337432/ 9083260607  |
| 6.  | Shri Ashis Hazra         | Exe. Engineer, PWD(Roads)                        | 257897/257377(R)    | 9433554680/ 62921222038 |
| 7.  | Shri Asim Kumar Nasipuri | Executive Engineer, PWD                          | 255839 / 255752 (R) | 6292121974              |
| 8.  | Shri Dayamoi Ghosh       | Exe. Engineer, Agri.-Irrign.                     | 255912              | 8777731684/ 9932842328  |
| 9.  | Shri Siddhartha Majumder | Exe. Engineer, Agri.-Mech.                       | 255568/ 255994 (R)  | 9474666614              |
| 10. | Shri Swapan Biswas       | Exe. Engineer, I. & W. Deptt                     | 255113/ 255057 (R)  | 9475878845/ 8372882779  |
| 11. | Shri P. Kumar            | Exe. Engineer, PHE Dte.                          | 255576/ 255688 (R)  | 9434191263              |
| 12. | Shri Ritesh Barman       | Exe. Engineer, PWD(Elec.)                        | 256090              | 7890077551              |
| 13. | Shri Bimal Adhikary      | Exe. Engineer, PWD(Social)                       | 9434352019          | 7001101315              |
| 14. | Shri Soumitra Sen        | Exe. Engineer, NBDD                              | 8777629054          | 9434242368/ 8777629054  |
| 15. | Shri Jagannath Samanta   | Exe. Engineer, N.H. Divn.                        | 6292122051          | 9051755519              |
| 16. | Shri Animesh Charaborty  | Exe. Engineer, PHE(Mech.)                        | 8116375121          | 9732415461              |
| 17. | Shri Sekhar Sarkar       | Exe. Engineer, ADMI                              | 9433466384          | 7479039217              |
| 18. | Shri Aburba Barma        | Asstt. Engineer, PWD(Elec.)                      | 257255              | 7908508056              |
| 19. | Shri Shibnath Das        | Sub-Asstt. Engineer, Housing                     |                     | 8116723410              |
| 20. | Shri Sayantan Sarkar     | Asstt. Engineer, NBDD                            |                     | 8013222493              |
| 21. | Shri Suvasis Biswas      | Jr. Engineer, PWD (Elec.)                        |                     | 6292123268              |
| 22. | Shri Asit Baran Mallik   | Div.Engineer & Div.Manager, WBSEDCL, Biniadpur   |                     |                         |

**Annexure:I**  
**BLOCK AND MUNICIPALITY DISASTER**  
**MANAGEMENT PLAN**

**2020**

**Balurghat Sub-Division**

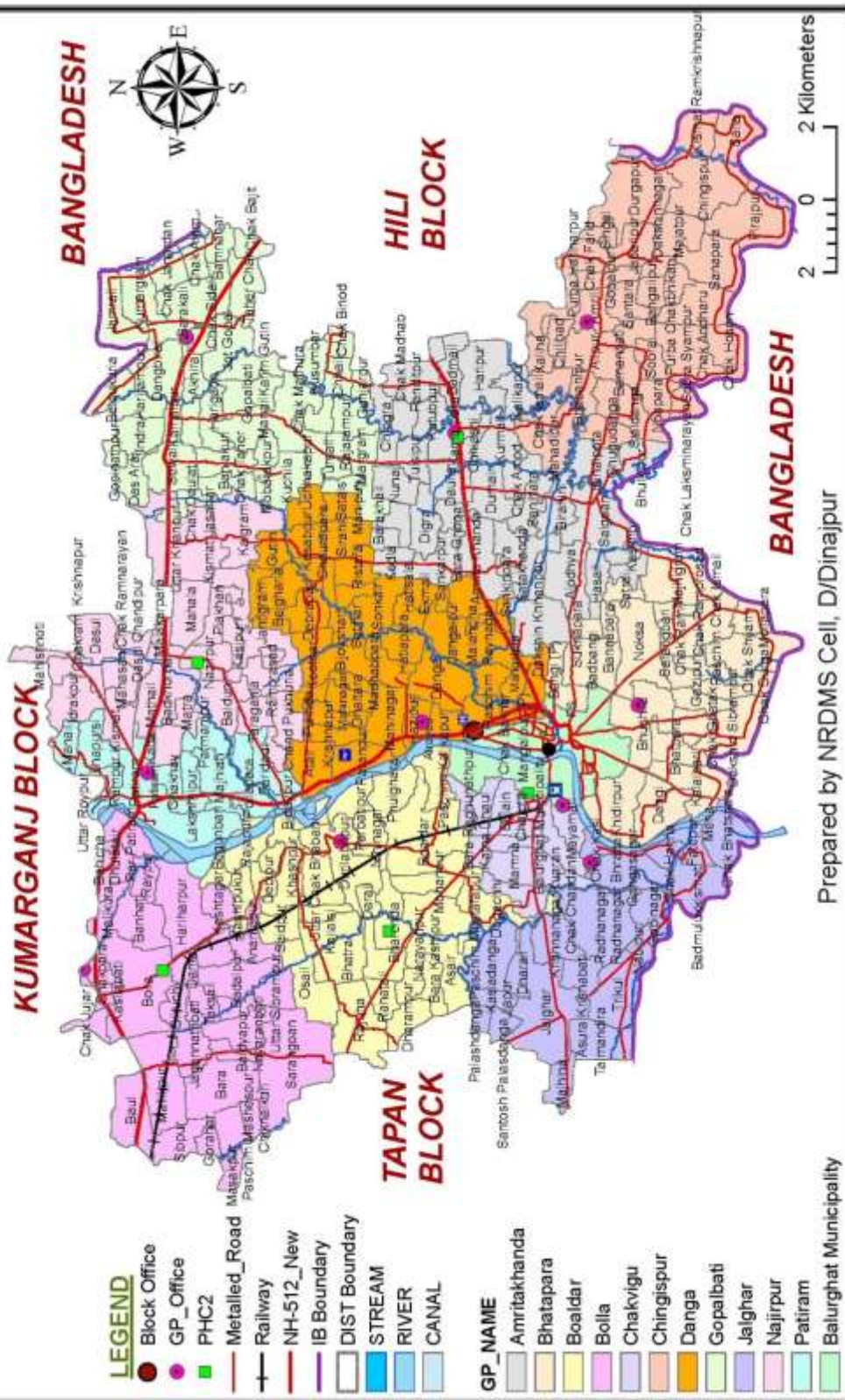
1. Balurghat Development Block
2. Hili Development Block
3. Kumarganj Development Block
4. Tapan Development Block
5. Balurghat Municipality

**Gangarampur Sub-Division**

6. Gangarampur Development Block
7. Banshihari Development Block
8. Kushmandi Development Block
9. Harirampur Development Block
10. Gamgarampur Municipality
11. Buniadpur Municipality

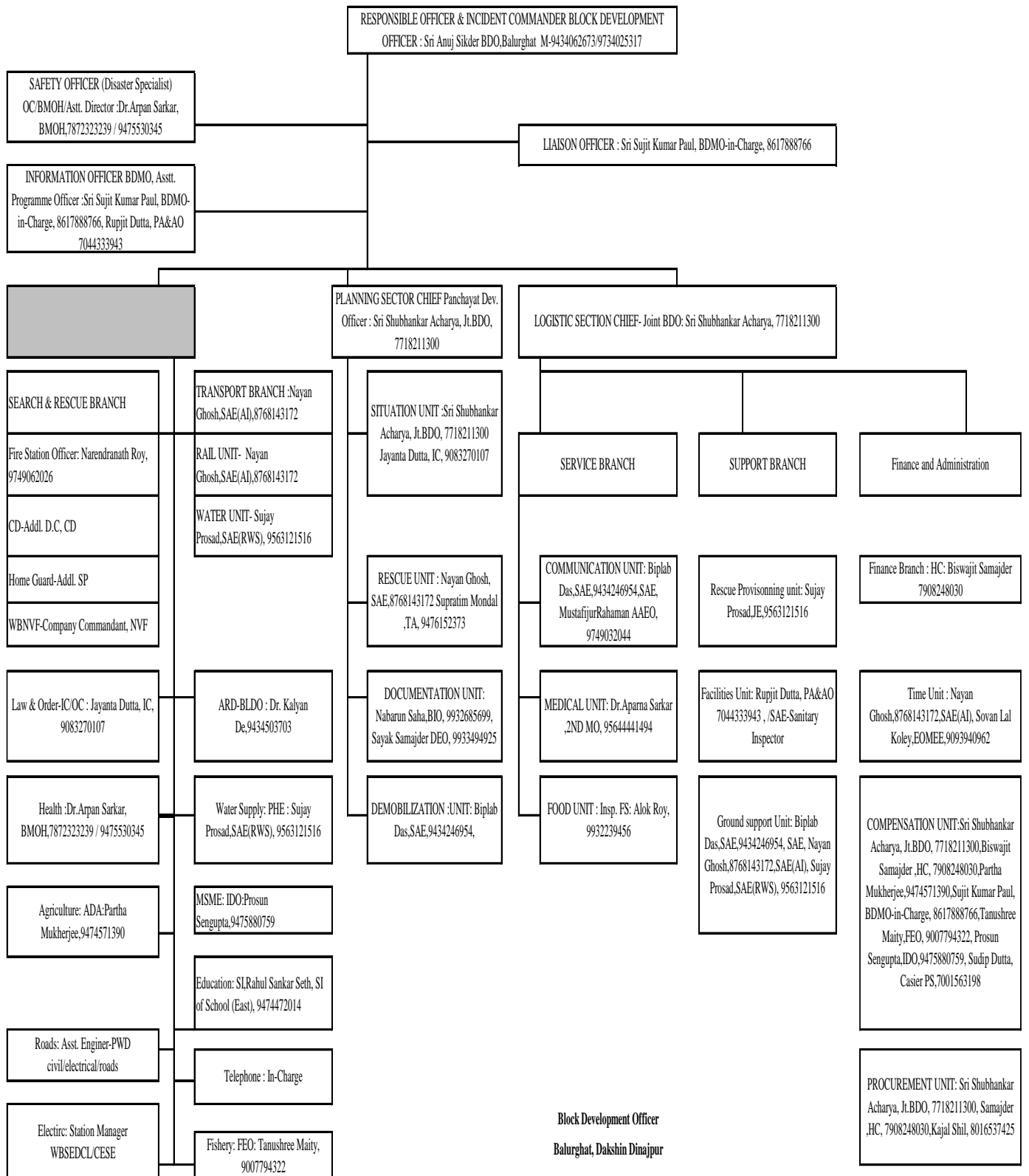


# ADMINISTRATIVE MAP OF BALURGHAT BLOCK





# INCIDENT RESPONSE TEAM- BLOCK LEVEL



**Block Development Officer**  
**Balurghat, Dakshin Dinajpur**

# **Disaster Management Plan, 2020**

## **Balurghat Block**

### **Block Profile :**

|       |                       |   |   |
|-------|-----------------------|---|---|
| 1.    | Name of Block         | : | Balurghat   |
| 2.    | Area                  | : | 363.90 Sq. Km.  |
| 3. a) | Total Population      | : | 2,48,901 (Male : 1,28,318 Female :1,20,583) Census-2011 |
| 3. b) | Total SC Population   | : | 88,920 (Male : 45,842 Female :43,078) Census-2011       |
| 3. c) | Total ST Population   | : | 88,920 (Male : 45,842 Female :43,078) Census-2011       |
| 4.    | Density of Population | : | 1080.83 per Sq. Km.                                     |
| 5.    | Gender Ratio          | : | 1000:961  |
| 6.    | No. of Gram Panchayat | : | 11  |
| 7.    | No. of Mouza          | : | 311   |
| 8.    | Total Border Area     | : | 52 Km.  |

### **Administrative Information :**

| Sl. No. | Name                            | Designation             | Contact No. |
|---------|---------------------------------|-------------------------|-------------|
| 1.      | Smt Kalpana Kisku               | Savapati                | 7477486770  |
| 2.      | Sri Anuj Sikdar                 | BDO                     | 9734025317  |
| 3.      | Sri Malay Mondal                | Sahakary Savapati       | 9547431753  |
| 4.      | Sri Subhankar Acharya           | Jt. BDO                 | 7718211300  |
| 5.      | Sri Jayanta Dutta               | IC                      | 9083270107  |
| 6.      | Sri Paratha Mukherjee           | ADA                     | 9851061969  |
| 8.      | Smt Pali Paul                   | Prodhan, Bolla GP       | 9851381249  |
| 9.      | Sir Gopal Murmu                 | Prodhan Jalghar GP      | 9733090291  |
| 10.     | Sir Piter Baru                  | Prodhan Chakvrigu GP    | 9800694352  |
| 11.     | Smt Mouumi Roy (Mahanta)        | Prodhan Boalder GP      | 8158073131  |
| 12.     | Smt Jayanti Pahan               | Prodhan Bhatpara GP     | 9002922946  |
| 13.     | Smt Mallika Karmakar(Sutradhar) | Prodhan Danga GP        | 8618493224  |
| 14.     | Smt Thumki Pahan (Rajput)       | Prodhan Patiram GP      | 9735072771  |
| 15.     | Sri Subhendu Mardi              | Prodhan Nazirpur GP     | 8016291169  |
| 16.     | Smt Nupur Barman (Mondal)       | Prodhan Gopalbati GP    | 9800166379  |
| 17.     | Smt Mirila Murmu                | Prodhan Amritakhanda GP | 7602975628  |
| 18.     | Smt Madhupa Pahan               | Prodhan Chingishpur GP  | 9002154717  |

**Back Ground of Flood :** Balurghat Block is a flood prone area which has faced devastating flood occurred in 1987, 1992, 1995, 1998, 2017 and less intensified flood occurred in 1997,1999,2000,2004,2005. The river Ichhamati & the river Atrayee and some cannels have crossed through the different area of Balurghat Block. Excess water of the river Atrayee & the river Ichhamati and some cannels under different Gram Panchayats created flood almost every year in recent past. We have experienced devastating flood last year in 2017 in the month of August. All the Atrayee river side villages of Gram Panchayats i.e. Bolla, Patiram, Boalder, Chakvrigu, Jalghar, Bhatpara and Danga were under the flood water.

### **Pre-Flood Measure:**

#### **Warning about Heavy Rainfall and Cyclone**

As soon as the Message in respect of any calamity received from the higher authority, the same will be communicated to the concerned Prodhans through the under noted Telephones and sometimes through special messenger. They are also requested to make necessary arrangement for warning of the villagers about the calamity through miking. In this connection, it may be noted that at the time devastating flood the Telephone does not functioning properly due to failure of communication; at that time sending of information by special messenger may be useful tool to combat the situation.

#### **Desiltation of Danga and Kashia Khari :**

As the Danga and Kashia khari silted, at the time of monsoons the kharis are over flowed. So desiltation of the Danga and Kashia kharis under MGNREGS has been taken up. The Gram Panchayats have incorporated the schemes of desiltation of Kharies in the Annual Action Plan of MGNREGS 2020-21. Some schemes of construction of Check Dams along the kharis has been planned.

#### **List of Vulnerable Mouzas in terms of Flood**

| Name of G.P. | Mouzas (J.L.No)  | J.L.No | To be affected by<br>(Name Rivers/<br>Streams/ Canals/<br>Out lets/ Khanri etc. | Possible<br>Area in<br>Acre to be<br>affected | Possible<br>Population<br>to be<br>affected | Possible Cattle<br>Population to<br>be affected |
|--------------|------------------|--------|---|---|---|---|
| Bolla        | Shibpur          | 002    | Kashia Khari  |   | 70  |   |
| Bolla        | Gorahar          | 003    | Kashia Khari  |   | 52  |   |
| Bolla        | Pashim Maheshpur | 005    | Kashia Khari  |   | 80  |   |
| Bolla        | Mosakpur         | 004    | Kashia Khari  |   | 25  |   |
| Bolla        | Taksail          | 019    | Kashia Khari  |   | 40  |   |
| Bolla        | Mallikpur        | 008    | Kashia Khari  |   | 120   |   |
| Bolla        | Bahicha          | 027    | Atreyee river   |   | 100   |   |
| Bolla        | Par Patiram      | 028    | Atreyee river   |   | 300   |   |
| Bolla        | Raipur           | 030    | Atreyee river   |   | 110   |   |
| Bolla        | Kastagar         | 036    | Atreyee river   |   | 50  |   |
| Bolla        | Badalpur         | 018    | Atreyee river   |   | 40  |   |
| Bolla        | Bonhat           | 031    | Atreyee river   |   | 50  |   |
| Bolla        | Hariharpur       | 032    | Atreyee river   |   | 50  |   |
| Bolla        | Bora             | 007    | Atreyee river   |   | 70  |   |
| Bolla        | Baidyapur        | 011    | Atreyee river   |   | 25  |   |
| Bolla        | Sarangram        | 012    | Kashia Khari  |   | 40  |   |
| Bolla        | Bikuch           | 021    | Kashia Khari  |   | 20  |   |
| Bolla        | Kashilabati      | 024    | Kashia Khari  |   | 50  |   |
| Bolla        | Damai            | 020    | Kashia Khari  |   | 25  |   |
| Boaldar      | Baudhara         | 050    | Kashia Khari  |   | 20  |   |
| Boaldar      | Narayanpur       | 051    | Kashia Khari  |   | 55  |   |
| Boaldar      | Ashoir           | 052    | Kashia Khari  |   | 50  |   |
| Boaldar      | Shibrambati      | 054    | Kashia Khari  |   | 68  |   |
| Boaldar      | Madanganj        | 059    | Atreyee river   |   | 50  |   |
| Boaldar      | Parbatipur       | 060    | Atreyee river   |   | 110   |   |
| Boaldar      | Fulghara         | 062    | Atreyee river   |   | 125   |   |
| Boaldar      | Kalikapur        | 063    | Atreyee river   |   | 150   |   |
| Boaldar      | Boalder          | 064    | Atreyee river   |   | 70  |   |

|           |                  |     |               |  |     |  |
|-----------|------------------|-----|---------------|--|-----|--|
| Boaldar   | Begunbari        | 038 | Atreyee river |  | 70  |  |
| Boaldar   | Rajapur          | 039 | Atreyee river |  | 70  |  |
| Boaldar   | Laxmi Narayanpur | 056 | Atreyee river |  | 25  |  |
| Boaldar   | Bhatra           | 014 | Kashia Khari  |  | 40  |  |
| Boaldar   | Ossail           | 015 | Kashia Khari  |  | 40  |  |
| Boaldar   | Kashipur         | 037 | Kashia Khari  |  | 60  |  |
| Boaldar   | Chandipur        | 040 | Kashia Khari  |  | 60  |  |
| Boaldar   | Debipur          | 041 | Kashia Khari  |  | 70  |  |
| Boaldar   | Khaspur          | 042 | Atreyee river |  | 70  |  |
| Boaldar   | Kanjialshi       | 046 | Kashia Khari  |  | 30  |  |
| Boaldar   | Dharampur        | 049 | Kashia Khari  |  | 50  |  |
| Boaldar   | Barokashipur     | 053 | Kashia Khari  |  | 90  |  |
| Boaldar   | Durlavpur        | 058 | Atreyee river |  | 85  |  |
| Boaldar   | Dogachhi         | 066 | Kashia Khari  |  | 160 |  |
| Jalghar   | Radhanagar       | 081 | Kashia Khari  |  | 225 |  |
| Jalghar   | Gupinagar        | 080 | Kashia Khari  |  | 100 |  |
| Jalghar   | Badmulluk kismet | 082 | Kashia Khari  |  | 100 |  |
| Jalghar   | Fatepur          | 083 | Atreyee river |  | 125 |  |
| Jalghar   | Chakbhatsala     | 084 | Atreyee river |  | 110 |  |
| Jalghar   | Chakharina       | 088 | Atreyee river |  | 100 |  |
| Jalghar   | Gangasagar       | 093 | Atreyee river |  | 175 |  |
| Jalghar   | Chakkashi        | 092 | Atreyee river |  | 110 |  |
| Jalghar   | Krishnanagar     | 077 | Kashia Khari  |  | 60  |  |
| Jalghar   | Kashiadanga      | 067 | Kashia Khari  |  | 90  |  |
| Jalghar   | Jiapur           | 069 | Kashia Khari  |  | 20  |  |
| Jalghar   | Palashdanga      | 070 | Kashia Khari  |  | 50  |  |
| Jalghar   | Majhina          | 073 | Kashia Khari  |  | 40  |  |
| Jalghar   | Trikul           | 075 | Kashia Khari  |  | 50  |  |
| Jalghar   | Talmandira       | 074 | Kashia Khari  |  | 40  |  |
| Chakvrigu | Chakvrigu        | 090 | Atreyee river |  | 300 |  |
| Chakvrigu | Mayamari         | 091 | Atreyee river |  | 100 |  |
| Chakvrigu | Chakramanath     | 094 | Atreyee river |  | 10  |  |
| Chakvrigu | Chakchandan      | 095 | Atreyee river |  | 100 |  |
| Chakvrigu | Kuaran           | 096 | Atreyee river |  | 125 |  |
| Chakvrigu | Mamna            | 098 | Atreyee river |  | 70  |  |
| Chakvrigu | Katna            | 099 | Atreyee river |  | 70  |  |
| Chakvrigu | Beline           | 102 | Atreyee river |  | 150 |  |
| Chakvrigu | Dhaul            | 103 | Atreyee river |  | 150 |  |
| Chakvrigu | Chandradola      | 104 | Atreyee river |  | 40  |  |
| Chakvrigu | Mostafapur       | 097 | Kashia Khari  |  | 60  |  |
| Chakvrigu | Chamta           | 100 | Atreyee river |  | 70  |  |
| Chakvrigu | Dakra            | 105 | Atreyee river |  | 500 |  |
| Chakvrigu | Gobindapur       | 101 | Atreyee river |  | 110 |  |
| Bhatpara  | Kalaibari        | 086 | Dangi Khari   |  | 80  |  |
| Bhatpara  | Dangi            | 087 | Dangi Khari   |  | 120 |  |
| Bhatpara  | Khidirpur        | 089 | Atreyee river |  | 250 |  |
| Bhatpara  | Baidyanathpara   | 111 | Atreyee river |  | 50  |  |

|          |                  |     |                 |  |     |  |
|----------|------------------|-----|-----------------|--|-----|--|
| Bhatpara | Badbongi         | 112 | Atreyee river   |  | 50  |  |
| Bhatpara | Naksha           | 115 | Dangi Khari     |  | 50  |  |
| Bhatpara | Chakismail       | 126 | Dangi Khari     |  | 50  |  |
| Bhatpara | Chakram          | 127 | Dangi Khari     |  | 100 |  |
| Bhatpara | Chakdurga        | 122 | Dangi Khari     |  | 30  |  |
| Bhatpara | Bhatpara         | 117 | Atreyee river   |  | 125 |  |
| Bhatpara | Shibrampur       | 119 | Atreyee river   |  | 125 |  |
| Bhatpara | Bhushila         | 116 | Atreyee river   |  | 125 |  |
| Bhatpara | Mollapara        | 125 | Atreyee river   |  | 40  |  |
| Bhatpara | Majhigram        | 129 | Dangi Khari     |  | 150 |  |
| Bhatpara | Satrai           | 130 | Dangi Khari     |  | 70  |  |
| Danga    | Mangalpur        | 107 | Danga Khari     |  | 190 |  |
| Danga    | Hosseinpur       | 137 | Danga Khari     |  | 200 |  |
| Danga    | Chakbakhar       | 138 | Danga Khari     |  | 120 |  |
| Danga    | Raghunathpur     | 139 | Atreyee river   |  | 160 |  |
| Danga    | Danga            | 141 | Atreyee river   |  | 200 |  |
| Danga    | Paschim Rainagar | 142 | Danga Khari     |  | 140 |  |
| Danga    | Mahinagar        | 150 | Atreyee river   |  | 225 |  |
| Danga    | Madhabpara       | 149 | Danga Khari     |  | 150 |  |
| Danga    | Paranpur         | 151 | Atreyee river   |  | 200 |  |
| Danga    | Atoir            | 152 | Atreyee river   |  | 150 |  |
| Danga    | Holidanga        | 154 | Danga Khari     |  | 140 |  |
| Danga    | Chakbijayshree   | 157 | Danga Khari     |  | 30  |  |
| Danga    | Sankoir          | 160 | Danga Khari     |  | 80  |  |
| Danga    | Ristara          | 162 | Danga Khari     |  | 80  |  |
| Danga    | Keshabpur        | 164 | Danga Khari     |  | 30  |  |
| Danga    | Chowrapara       | 168 | Danga Khari     |  | 60  |  |
| Danga    | Debrabari        | 169 | Danga Khari     |  | 50  |  |
| Danga    | Uchhakapukur     | 244 | Danga Khari     |  | 50  |  |
| Danga    | Chaksridhar      | 143 | Danga Khari     |  | 50  |  |
| Danga    | Satihar          | 159 | Danga Khari     |  | 40  |  |
| Patiram  | Pollapara        | 179 | Atreyee river   |  | 90  |  |
| Patiram  | Majhian          | 181 | Atreyee river   |  | 140 |  |
| Patiram  | Uttar Raipur     | 188 | Atreyee river   |  | 200 |  |
| Patiram  | Jhapurshi        | 189 | Ichhamati River |  | 160 |  |
| Patiram  | Manail           | 190 | Ichhamati River |  | 100 |  |
| Patiram  | Mathurapur       | 176 | Danga Khari     |  | 30  |  |
| Patiram  | Faridpur         | 177 | Atreyee river   |  | 125 |  |
| Patiram  | Bidaypur         | 178 | Atreyee river   |  | 125 |  |
| Patiram  | Chakhai          | 185 | Atreyee river   |  | 125 |  |
| Patiram  | Laxmipur         | 186 | Atreyee river   |  | 140 |  |
| Patiram  | Patiram          | 187 | Atreyee river   |  | 550 |  |

|              |                 |     |               |  |     |  |
|--------------|-----------------|-----|---------------|--|-----|--|
| Patiram      | Chak Manipur    | 180 | Atreyee river |  | 100 |  |
| Patiram      | Barshapara      | 182 | Atreyee river |  | 150 |  |
| Nazirpur     | Idrakpur        | 191 | Ghupshi Khari |  | 70  |  |
| Nazirpur     | Baidul          | 201 | Ghupshi Khari |  | 50  |  |
| Nazirpur     | Naizirpur       | 202 | Ghupshi Khari |  | 125 |  |
| Nazirpur     | Dasul           | 194 | Ghupshi Khari |  | 150 |  |
| Nazirpur     | Kaigram         | 234 | Ghupshi Khari |  | 150 |  |
| Nazirpur     | Motra           | 183 | Ghupshi Khari |  | 40  |  |
| Nazirpur     | Khanpur         | 207 | Ghupshi Khari |  | 200 |  |
| Nazirpur     | Malakarpara     | 196 | Ghupshi Khari |  | 30  |  |
| Gopalbati    | Gopalbati       | 238 | Ghupshi Khari |  | 125 |  |
| Gopalbati    | Jamrail         | 217 | Ghupshi Khari |  | 70  |  |
| Gopalbati    | Barkoil         | 216 | Ghupshi Khari |  | 160 |  |
| Gopalbati    | Taherchak       | 223 | Ghupshi Khari |  | 125 |  |
| Gopalbati    | Bamnabar        | 221 | Ghupshi Khari |  | 50  |  |
| Gopalbati    | Jotegopal       | 226 | Ghupshi Khari |  | 125 |  |
| Gopalbati    | Kumargram       | 218 | Ghupshi Khari |  | 140 |  |
| Gopalbati    | Karimgutin      | 227 | Ghupshi Khari |  | 40  |  |
| Gopalbati    | Sewai           | 230 | Ghupshi Khari |  | 100 |  |
| Gopalbati    | Gurjarpur       | 250 | Ghupshi Khari |  | 40  |  |
| Gopalbati    | Margram         | 248 | Ghupshi Khari |  | 125 |  |
| Gopalbati    | Rajarampur      | 249 | Ghupshi Khari |  | 70  |  |
| Gopalbati    | Manipur         | 246 | Ghupshi Khari |  | 50  |  |
| Gopalbati    | Kuchila         | 235 | Ghupshi Khari |  | 120 |  |
| Amritakhanda | Kashimbi        | 131 | Ghupshi Khari |  | 30  |  |
| Amritakhanda | Kholapara       | 132 | Ghupshi Khari |  | 25  |  |
| Amritakhanda | Shalgram        | 133 | Ghupshi Khari |  | 120 |  |
| Amritakhanda | Hashoil         | 134 | Ghupshi Khari |  | 70  |  |
| Amritakhanda | Ayodhya         | 135 | Ghupshi Khari |  | 90  |  |
| Amritakhanda | Dumoir          | 271 | Ghupshi Khari |  | 90  |  |
| Amritakhanda | Satakhanda      | 274 | Ghupshi Khari |  | 45  |  |
| Amritakhanda | Jhinaipota      | 278 | Ghupshi Khari |  | 60  |  |
| Amritakhanda | Chingra         | 251 | Ghupshi Khari |  | 50  |  |
| Amritakhanda | Kutubpur        | 254 | Ghupshi Khari |  | 50  |  |
| Amritakhanda | Tulsipur        | 255 | Ghupshi Khari |  | 65  |  |
| Amritakhanda | Nunail          | 256 | Ghupshi Khari |  | 125 |  |
| Amritakhanda | Chhiashi        | 264 | Ghupshi Khari |  | 40  |  |
| Amritakhanda | Kamarpara       | 265 | Ghupshi Khari |  | 150 |  |
| Amritakhanda | Dakshin Khanpur | 136 | Ghupshi Khari |  | 90  |  |
| Amritakhanda | Chakmadhab      | 253 | Ghupshi Khari |  | 60  |  |
| Amritakhanda | Panditpur       | 252 | Ghupshi Khari |  | 125 |  |

|              |                   |     |               |  |     |  |
|--------------|-------------------|-----|---------------|--|-----|--|
| Amritakhanda | Badamail          | 266 | Ghupshi Khari |  | 125 |  |
| Amritakhanda | Haripur           | 267 | Ghupshi Khari |  | 120 |  |
| Amritakhanda | Kurmail           | 269 | Ghupshi Khari |  | 90  |  |
| Amritakhanda | Barkhail          | 257 | Ghupshi Khari |  | 40  |  |
| Amritakhanda | Daullya           | 263 | Ghupshi Khari |  | 60  |  |
| Amritakhanda | Birohini          | 277 | Ghupshi Khari |  | 60  |  |
| Amritakhanda | Shanihara         | 276 | Ghupshi Khari |  | 40  |  |
| Amritakhanda | Amritakhanda      | 272 | Ghupshi Khari |  | 200 |  |
| Amritakhanda | Shankarpur        | 261 | Ghupshi Khari |  | 100 |  |
| Chingishpur  | Shiala            | 314 | Ghupshi Khari |  | 90  |  |
| Chingishpur  | Chak ramkrisnapur | 313 | Ghupshi Khari |  | 70  |  |
| Chingishpur  | Durgapur          | 311 | Ghupshi Khari |  | 125 |  |
| Chingishpur  | Singhal           | 310 | Ghupshi Khari |  | 20  |  |
| Chingishpur  | Jabaripur         | 309 | Ghupshi Khari |  | 40  |  |
| Chingishpur  | Mojatpur          | 308 | Ghupshi Khari |  | 75  |  |
| Chingishpur  | Dhakshin Nagar    | 304 | Ghupshi Khari |  | 40  |  |
| Chingishpur  | Chingishpur       | 312 | Ghupshi Khari |  | 130 |  |
| Chingishpur  | Pirijpur          | 307 | Ghupshi Khari |  | 125 |  |
| Chingishpur  | Bangalipur        | 303 | Ghupshi Khari |  | 70  |  |
| Chingishpur  | Santara           | 302 | Ghupshi Khari |  | 70  |  |
| Chingishpur  | Chakhossein       | 299 | Ghupshi Khari |  | 75  |  |

List of Embankments/Ex-zamindary Bandh/Sluice gates

| Sl. No. | Type                          | Length  | Condition | Name of the Maintanace Authority | Remarks |
|---------|-------------------------------|---------|-----------|----------------------------------|---------|
| 1       | Nuniapara Embankment          | 1.3 Km  | Good      | Water & Irrigation Deptt.        |         |
| 2       | Raghunathpur Embankment       | 2.5 Km  | Good      | Water & Irrigation Deptt.        |         |
| 3       | BTP Embankment                | 3.0 Km  | Good      | Water & Irrigation Deptt.        |         |
| 4       | Khidirpur Embankment          | 2.5 Km  | Good      | Water & Irrigation Deptt.        |         |
| 5       | Dakra Embankment              | 0.25 Km | Good      | Water & Irrigation Deptt.        |         |
| 6       | Chakvrigu-Mayamari Embankment | 2.68 Km | Good      | Water & Irrigation Deptt.        |         |

# List of Rivers/Stream/ Canals/Outlets//Khanries etc. passing through the Block/Municipalities

| Name of River / stream/Cannels/Outlets//Khanries etc. | Entry Point            | Exit Point  | Passes Through   |
|---|------------------------|-------------|--|
| The Atreyee   | Patiram                | Fatepur     | Patiram,Bolla,Boaldaer,Danga,Bhatpara,Chakvrigu,Jalghar GP |
| The Icchamoti   | Patiram (Uttar Roypur) | Jhapurshi   | Patiram GP   |
| The Danga Khari                                       | Mahjian                | Mangalpur   | Patiram, Danga GP  |
| The Dangi Khari                                       | Gajipur                | Mollapara   | Bhatpara GP  |
| The Ghupshi Khari                                     | Dangbiral              | Chingishpur | Gopalbati,Nazirpur,Danga,Amritakhanda,Chingisipur GP       |

## **List of Flood Shelters with Accomodation Capacity :**

| Name  | Location  | Co-ordinates              | Accomodation Capacity | Present Condition | Funded by (Name of Deptt/Sec) |
|---|-----------|---------------------------|-----------------------|-------------------|-------------------------------|
| Dakra Colony Flood Shelter, Chakvrigu Gram Panchayat                    | Dakra     | 5.24911 N<br>8.77066 E    | 200                   | Good              | <b>Disaster Management</b>    |
| Balurghat Chakvrigu Vibekananda Flood Shelter, Chakvrigu Gram Panchayat | Chakvrigu | 25.22439 N<br>88.76914 E  | 250                   | Good              | <b>Disaster Management</b>    |
| Kalikapur Flood Shelter (Kalikapur High School), Boalder Gram Panchayat | Kalikapur | 25.25463 N<br>88.773734 E | 250                   | Good              | <b>Disaster Management</b>    |

## **LIST OF FLOOD SHELTERS/RESQUE CENTRES (119) – NO. OF ACCOMMODATION CAPACITY ( APPROX ) UNDER BALURGHAT BLOCK**

### **1.Bolla G.P.(8)**

Baul High School-350, Sarangram Jr High School-100, Bolla High School-350, Bora FP School-60, Badalpur SS High School-100, Bolla FP School-75, Bahicha FP School-100, Bahicha L.K. High School-300

### **2.Jalghar G.P.(10)**

Chak Kashi High School-300, Fatepur FP School-70, Radhanagar FP School-70, Trikul FP School-60, Jalghar J.B.School-150, Kashiadanga High School-300, Dharail FP School-75, Gopinagar FP School-70, Bhatshala FP School-80, Gangasagar Jr.High School-150

### **3.Chakvrigu G.P.(6)**

Chakvrigu FP School-70, N.C High School-350, Mamna FP School-70, Kuaran Mission FP School-80, Adibasi KMS (Katna ) High School-350, Nadipar Girls' High School-300

### **4.Boalder G.P.(16)**

Rajapur FP School-70, Khaspur HK high School-300, Durlavpur FP School-70, Fulghara FP School-50, Parbatipur FP School-50, Fulghara Flood Shelter-100, Kalikapur High School-300, Boalder FP School-100, Dogachhi FP School-60, Bara Kashipur FP School-60, Asoir FP School-60, Shibrambati FP School-70, Osail FP School-50, Kanjialshi FP School-60, Paschim Krisnapur FP School-60, Rajua High School-300

### **5.Bhatpara G.P.(11)**

Dangi FP School-50, Kalaibari FP School-50, Bhatpara FP School-70, Shibrampur FP School-80, Chakram FP School-50, J.L.P Vidyachakra -350, Khadimpurpur Girls' High School-300, Khidirpur FP School-70, Khidirpur High School-300, Noksha FP School-50, Badbongi FP School-50, Baidyanathpara F.P. School 50

### **6.Danga G.P.(12)**

Mahinagar Agriculture .T.C-800, Raghunathpur B.M High School-300, Malancha Z.M.R.M High School-300, Sirohi FP School-80, Belgharia FP School-70, Pranabananda Bidyapith 100  
Hossainpur FP 70, BT Park TC High School 200, Balurghat Law College 200, Balurghat Politechnick College- 300, South Atoir FP School 80, Ristara High School 300

### **7.Patiram G.P.(18)**



Patiram High School-500, Lakshmipur FP School-60, Majhian Firm-300, BidaypurFP School-50, Mathurapur FP School-70, Jhapurshi FP School-80,Manail Jr. High School 150, Patiram Girls' H.S.-300, Patiram 2 No. FP School-40, Laxmipur FP School-30, Barshapara FP School-50, Atoir FP School-60, Jhapursi SSK-50, Patiram FP School-100, Patiram pathasathi 200, Mathurapur Santal FP 50 Pollapara Jr. High School 200

#### 8.Nazirpur G.P. (5)

Nazirpur High School-300, Jonti Gram F.P.school-60, Khanpur High school-350, Baidul FP 50, Idrakpur FP- 50 Dasul High School 300

#### 9.Gopalbati G.P.(12)

Barkoil High School-300, Barokoil FP 120, Kumargram FP School-80,Gopalbati GP Office-100, Dangbirol FP School-70, Gunjarpur FP School-70, Sewai FP School-70, Indra FP School-50, Harigram FP School-60, Karimgutin FP School-60, Kuchila High School 200 Kuchila FP School-60, Manoil FP School-60, Manipur FP School-50

#### 10.Amritakhanda G.P.(17)

Kamarpara F.P.School-60, Badamail F.P.school-80, Badamail High School-300, Amritakhanda J.B.School-80, Ayodhya High School-250, Kurmail Basic Training Centre-125, Nunail F.P.school,-60, Birohini F.P.School-70, Sanihara F.P.school-50,Hasoil F.P.School-50, Daullya F.P.School-60, Dumoir F.P. School-60, Digra F.P.School-50,Shankarpur S.S.K.-40 , Amritakhanda F.P.School-60, Salgram FP 60, Kurmail High School 250

#### 11.Chingishpur G.P.(13)

Chingishpur High School-300, , Shiala FP School-50, Sanapara High School-300, Bangalipur FP School-50, Purba Chakvikon FP School-60, Purba Hariharpur FP School-70, Bhabanipur FP School-50, Mahadipur FP School-60, Ghugudanga FP School-50, Noapara Adibasi School-70, Shobra Shyampur High School-200, Chak Andaru FP School-50

## **-: Evacuation Plan :-**

| Name of Vulnerable Mouza | No. of people of Such Villages (to be given separately) | Name of the Floodshelter/ Rescue Shelter with Cacacity where shifting to be ocured | Name of safe shortage route for evacuation |
|--------------------------|---|--|--|
| Shibpur                  | 70  | Baul High School-350   |  |
| Gorahar                  | 52  |  |  |
| Pashim Maheshpur         | 80  |  |  |
| Mosakpur                 | 25  |  |  |
| Taksail                  | 40  |  |  |
| Mallikpur                | 120   |  |  |
| Bahicha                  | 100   | Bahicha FP School-100  |  |
| Par Patiram              | 300   | Bahicha L.K. High School-400   |  |
| Raipur                   | 110   |  |  |
| Kastagar                 | 50  |  |  |
| Badalpur                 | 40  | Badalpur SS High School-100  |  |
| Hariharpur               | 50  |  |  |
| Bora                     | 60  | Bora FP School-60  |  |
| Baidyapur                | 25  | Sarangram Jr High School-100   |  |
| Sarangram                | 40  |  |  |
| Bikuch                   | 20  |  |  |
| Bonhat                   | 50  | Bolla High School-350  |  |
| Kashilabati              | 50  |  |  |
| Damai                    | 25  |  |  |
| Baudhara                 | 20  |  |  |
| Narayanpur               | 55  |  |  |
| Ashoir                   | 50  | Asoir FP School-60   |  |
| Shibrambati              | 68  | Shibrambati FP School-70   |  |
| Madanganj                | 50  |  |  |
| Parbatipur               | 110   | Parbatipur FP School-50  |  |
| Fulghara                 | 125   | Fulghara FP School-  |  |

|                  |     |  |  |
|------------------|-----|--|--|
| Kalikapur        | 150 | 50,Kalikapur High School-300   |  |
| Begunbari        | 70  |  |  |
| Boalder          | 70  | Boaldar FP School-100  |  |
| Rajapur          | 70  | Rajapur FP School-70   |  |
| Laxmi Narayanpur | 25  | Rajua High School-300  |  |
| Bhatra           | 40  |  |  |
| Ossail           | 40  |  |  |
| Kashipur         | 60  |  |  |
| Chandipur        | 60  | Khaspur HK high School-300   |  |
| Debipur          | 70  |  |  |
| Khaspur          | 70  |  |  |
| Kanjialshi       | 30  |  |  |
| Dharampur        | 50  | Kanjialshi FP School-60  |  |
| Barokashipur     | 90  | Bara Kashipur FP School-60   |  |
| Durlavpur        | 85  | Durlavpur FP School-70   |  |
| Dogachhi         | 160 | Dogachhi FP School-60  |  |
| Radhanagar       | 225 | Radhanagar FP School-70  |  |
| Gupinagar        | 100 | Gopinagar FP School-70   |  |
| Gangasagar       | 175 | Gangasagar Jr.High School-150  |  |
| Fatepur          | 125 | Fatepur FP School-70   |  |
| Chakbhatsala     | 110 | Bhatshala FP School-80   |  |
| Chakharina       | 100 | Chak Kashi High School-300   |  |
| Chakkashi        | 110 |  |  |
| Krishnanagar     | 60  |  |  |
| Kashiadanga      | 90  |  |  |
| Badmulluk kismet | 100 | Kashiadanga High School-300  |  |
| Jiapur           | 20  |  |  |
| Palashdanga      | 50  |  |  |
|                  |     |  |  |
| Majhina          | 40  |  |  |
| Trikul           | 50  | Trikul FP School-60,   |  |
| Talmandira       | 40  |  |  |
| Chakvrigu        | 300 | Nadipar Girls' High School-300<br>Bibekananda Flood shelter 200                            |  |
| Beline           | 150 |  |  |
| Mayamari         | 100 |  |  |
| Chakramanath     | 10  |  |  |
| Chakchandan      | 100 | N.C High School-350  |  |
| Gobindapur       | 110 |  |  |
| Kuaran           | 125 |  |  |
| Mamna            | 70  |  |  |
| Katna            | 70  | Adibasi KMS (Katna ) High School-350 Mamna FP School-70                                    |  |
| Mostafapur       | 60  | Kuaran Mission FP School-80  |  |
| Chamta           | 70  |  |  |
| Dhaul            | 150 | Kalikapur Flood Shelter-250,<br>Dakra Flood Shelter-250                                    |  |
| Dakra            | 350 |  |  |
| Chandradola      | 40  |  |  |
| Kalaibari        | 80  | Kalaibari FP School-50 Dangi FP School-50 Khidirpur FP School-70 Khidirpur High School-300 |  |
| Dangi            | 120 |  |  |
| Khidirpur        | 250 |  |  |
| Baidyanathpara   | 50  |  |  |
| Badbongi         | 50  | Baidyanathpara F.P. School 50  |  |
| Naksha           | 50  | Badbongi FP School-50  |  |
| Chakismail       | 50  | Noksha FP School-50  |  |
| Chakdurga        | 30  |  |  |
| Chakram          | 100 |  |  |

|                  |     |  |  |
|------------------|-----|--|--|
| Shibrampur       | 125 | Shibrampur FP School-80  |  |
| Bhushila         | 125 | Khadimpurpur Girls'High School-300   |  |
| Bhatpara         | 125 |  |  |
| Mollapara        | 40  | J.L.P Vidyachakra -350   |  |
| Majhigram        | 150 |  |  |
| Satrai           | 70  |  |  |
| Mangalpur        | 140 | Pranabananda Bidyapith 100,<br>Hossainpur FP 70 BT Park TC<br>High School 200                        |  |
| Hosseinpur       | 150 |  |  |
| Chakbakhar       | 120 |  |  |
| Raghunathpur     | 160 | Raghunathpur B.M High School-<br>300   |  |
| Danga            | 200 |  |  |
| Paschim Rainagar | 140 | Balurghat Law College 200  |  |
| Mahinagar        | 225 | Mahinagar Agriculture .T.C-800   |  |
| Madhabpara       | 150 |  |  |
| Paranpur         | 200 |  |  |
| Holidanga        | 140 |  |  |
| Chakbijayshree   | 30  |  |  |
| Atoir            | 150 |  |  |
| Sankoir          | 80  | Balurghat Politechnick College-<br>300, Atoir FP School 80   |  |
| Ristara          | 80  |  |  |
| Keshabpur        | 30  |  |  |
| Chowrapara       | 60  |  |  |
| Debrabari        | 50  | Ristara High School 300  |  |
| Uchhakapukur     | 50  |  |  |
| Chaksridhar      | 50  |  |  |
| Satihar          | 40  |  |  |
| Pollapara        | 90  |  |  |
| Majhian          | 140 | Majhian Firm-300   |  |
| Uttar Raipur     | 200 |  |  |
| Patiram          | 550 | Patiram Girls' H.S.-300,<br>Patiram High School-500  |  |
| Jhapurshi        | 160 | Jhapurshi FP School-80, Manail Jr.<br>High School 150, Jhapursi SSK-50                               |  |
| Manail           | 100 |  |  |
| Mathurapur       | 30  | Mathurapur Santal FP 50  |  |
| Faridpur         | 125 | Barshapara FP School-50  |  |
| Bidaypur         | 125 | Bidaypur F P School 60   |  |
| Chakhai          | 125 | Patiram pathasathi 200   |  |
| Laxmipur         | 140 | Laxmipur FP School-30, Barshapara F<br>P 70, Pollapara Jr. High School 200,<br>Patiram FP School-100 |  |
| Chak Manipur     | 100 |  |  |
| Barshapara       | 150 |  |  |
| Idrakpur         | 70  | Nazirpur High School-300,<br>Baidul FP 50, Idrakpur FP- 50<br>,Kaigram FP 60                         |  |
| Baidul           | 50  |  |  |
| Naizirpur        | 125 |  |  |
| Kaigram          | 150 |  |  |
| Dasul            | 150 | Dasul High School 300  |  |
| Motra            | 40  | Nazirpur High School-300   |  |
| Khanpur          | 200 | Khanpur FP 300   |  |
| Malakarpara      | 30  |  |  |
| Gopalbati        | 125 | Barkoil High School-300 ,<br>Barokoil FP 120 Kumargram<br>FP School-80 Taherchak FP<br>School 70     |  |
| Jamrail          | 70  |  |  |
| Barkoil          | 160 |  |  |
| Kumargram        | 140 |  |  |
| Taherchak        | 125 |  |  |
| Bamnahar         | 50  |  |  |
| Jotegopal        | 125 |  |  |
| Karimgutin       | 40  | Karimgutin FP School-60  |  |
| Sewai            | 100 | Sewai FP School-70   |  |
| Gurjarpur        | 40  | Gunjarpur FP 50  |  |

|                   |     |  |  |
|-------------------|-----|--|--|
| Margram           | 125 | Margram FP 70,   |  |
| Rajarampur        | 70  | Margram Jr. High 125   |  |
| Manipur           | 50  | Manipur FP School-50   |  |
| Kuchila           | 120 | Kuchila High School 200<br>Kuchila FP School-60  |  |
| Kashimbi          | 30  | Ayodhya High School-250,<br>Salgram FP 60, Hasoil<br>F.P.School-50                         |  |
| Kholapara         | 25  |  |  |
| Shalgram          | 120 |  |  |
| Ayodhya           | 90  |  |  |
| Hashoil           | 70  |  |  |
| Shanihara         | 40  | Dumoir F.P. School-60,<br>Sanihara F.P.school-50   |  |
| Dumoir            | 90  |  |  |
| Satakhanda        | 45  | Amritakhanda J.B.School-80,<br>Malancha ZMRM High School<br>300                            |  |
| Amritakhanda      | 200 |  |  |
| Shankarpur        | 100 |  |  |
| Jhinaipota        | 60  | Jhinaipota FP School 60  |  |
| Nunail            | 125 | Nunail F.P.school 60 , Digra F<br>P School 60  |  |
| Barkhail          | 40  |  |  |
| Chhiashi          | 40  |  |  |
| Kamarpara         | 150 | Kurmail High School 250  |  |
| Chakmadhab        | 60  |  |  |
| Kutubpur          | 50  |  |  |
| Chingra           | 50  |  |  |
| Dakshin Khanpur   | 90  |  |  |
| Panditpur         | 125 | <b>Badamail F.P.school-80,<br/>Badamail High School-300</b>                                |  |
| Badamail          | 125 |  |  |
| Haripur           | 120 |  |  |
| Kurmail           | 90  | Kurmail Basic Training Centre-<br>125  |  |
| Tulsipur          | 65  |  |  |
| Daullya           | 60  | Daullya F.P.School-60  |  |
| Birohini          | 60  | Birohini FP School 60  |  |
| Shiala            | 90  | Shiala FP School-50, Sanapara<br>High School-300   |  |
| Chak Ramkrisnapur | 70  |  |  |
| Singhal           | 20  |  |  |
| Jabaripur         | 40  |  |  |
| Mojatpur          | 75  |  |  |
|                   |     |  |  |
| Chingishpur       | 130 | <b>Chingishpur High School-300 ,<br/>Durgapur FP School-50 Bangalipur<br/>FP School-50</b> |  |
| Pirijpur          | 125 |  |  |
| Bangalipur        | 70  |  |  |
| Durgapur          | 125 |  |  |
| Santara           | 70  | Santara FP School 60   |  |
| Chakhossein       | 75  | Shobra Shyampur High<br>School-200   |  |
| Dhakshin Nagar    | 40  |  |  |

### **Boat Owners' List.**

| Sl. No. | Name of the Owner     | Address                            | Contact No. | Accommodation Capacity of the Boat |
|---------|-----------------------|------------------------------------|-------------|------------------------------------|
| 1       | Sri Fatik Halder      | Vill-Dakshin Paschim, Patiram G.P. | 9734159682  | About 25 nos.                      |
| 2       | Sri Kajal Halder      | Vill-Barshapara, Patiram G.P.      | 9647843214  | About 25 nos.                      |
| 3       | Sri Mithun Roy        | Vill-Barshapara, Patiram G.P.      | 7718714921  | About 25 nos.                      |
| 4       | Sri Banchha Halder    | Vill-Bidaypur, Patiram G.P.        | 9563210663  | About 25 nos.                      |
| 5       | Sri Jugal Singh       | Vill Patiram Patiram G.P.          | 9733078387  | About 25 nos.                      |
| 6       | Sri Ramayan Chowdhury | Vill-Khaspur,,Boalder G.P.         | 9734126987  | About 25 nos.                      |
| 7       | Sri Shyamal Sarkar    | Vill-Gangasagar,Jalghar G.P.       | 9734910374  | About 25 nos.                      |

|    |                      |                                    |            |               |
|----|----------------------|------------------------------------|------------|---------------|
| 8  | Sri Rajkumar Mallah  | Vill-Chakkashi,Jalghar G.P.        | 9609988931 | About 25 nos. |
| 9  | Sri Uttam Ghosh      | Vill-Raghunathpur,Danga GP         | 9800633138 | About 25 nos. |
| 10 | Sri Pinaki Choudhury | Vill. Kalikapur, Boalder GP        | 9775867819 | About 25 nos. |
| 11 | Sri Bipul Sarkar     | Vill-Paranpur,Danga GP             | 9735024016 | About 25 nos. |
| 12 | Sri Subhash Halder   | Vill-Khidirpur, Bhatpara GP        | 9547964099 | About 25 nos. |
| 13 | Sri Nityagopal Das   | Vill. Parpatiram, Rishipara, Bolla | 8250842621 | About 25 nos. |
| 14 | Sri Bishnu Das       | Vill. Parpatiram, Rishipara, Bolla | 8250842621 | About 25 nos. |
| 15 | Sri Prohlad Das      | Vill. Parpatiram, Rishipara, Bolla | 8250842621 | About 25 nos. |
| 16 | Baidyanath Das       | Vill. Parpatiram, Rishipara, Bolla | 7365066593 | About 25 nos. |
| 17 | Srihari Das          | Vill. Parpatiram, Rishipara, Bolla | 8922095855 | About 25 nos. |
| 18 | Sri Bishu Hasda      | Vill Shibpur, Bolla                | 9593422170 | About 15 nos. |
| 19 | Sri Shyam Hasda      | Vill Shibpur, Bolla                | 8167460045 | About 15 nos. |

### **List of Places of Large Crowd Events**

| Large Crowd Event | Location   | Estimated Crowd strength as per past year's record | Organizing Body           | Resources Deployment by the District Administration (Man power/Equipments/Vehicles etc)                       |
|-------------------|------------|--|---------------------------|---|
| Bolla Kali Mela   | Bolla      | 2.5 lakh on three days                             | Bolla Kali Mela Committee | Executive Magistrate , Adequate Police , Civil Defence Volunteers, Fire Brigade , Ambulance, Medical Team.    |
| Patiram Dham      | Parpatiram | 10(ten) thousand Approx                            | Patiram dham Committee    | Adequate Police , Civil Defence Volunteers, Fire Brigade ,Ambulance, Medical Team. Boats and local Volunteers |

### **Identification of High Land for Helipad and Airdropping.**

| Sl. No. | Name of Places ( Such as School ground play ground etc..) | Co-ordinates          |
|---------|---|-----------------------|
| 1.      | Mahinagar Airport   | 88.79685 E 25.26296 N |

### **List of M.R.Dealers (PDS)**

| Sl.No. | Name of M.R Dealer   | Address       | M.R. No. | Sl.No. | Name of Dealer  | Address     | M.R. No. |
|--------|----------------------|---------------|----------|--------|-----------------|-------------|----------|
| 1      | R.Karmakar           | Bolla         | 12       | 13     | N.C.Saha        | Patiram     | 19       |
| 2      | S.Sarkar             | Baul          | 13A      | 14     | PatiramSKUS     | Patiram     | 20       |
| 3      | K.K.Paul             | Par Patiram   | 46       | 15     | P.K.Mitra       | Bidaypur    | 51       |
| 4      | C.K.Kundu            | Jalghar       | 47       | 16     | M.Goswami       | Majhian     | 54       |
| 5      | A.R.Mahanta & Others | Gangasagar    | 14       | 17     | G.C.Chakraborty | Najirpur    | 21       |
| 6      | Rina Paul            | Chakvrigu     | 16       | 18     | Amichha Bewa    | Kadamathail | 56       |
| 7      | G.Dey                | Dakra         | 34       | 19     | A.C.Sarkar      | Khanpur     | 36       |
| 8      | B.N.Chakraborty      | Chamta        | 43       | 20     | A.K.Chowdhury   | Idrakpur    | 48       |
| 9      | B.Ghosh              | Bara Kashipur | 17       | 21     | S.Roy           | Barkail     | 32       |

| Sl.No. | Name of M.R Dealer | Address   | M.R. No. | Sl.No. | Name of Dealer | Address    | M.R. No. |
|--------|--------------------|-----------|----------|--------|----------------|------------|----------|
| 10     | K.Mondal & Others  | Dharampur | 15       | 22     | S.N.Ghosh      | Dangbiral  |          |
| 11     | N.D.Sen            | Durlavpur | 18       | 23     | P.B.Mondal     | Kamalpukur | 45       |
| 12     | A.C.Barua          | Khaspur   | 55       | 24     | S.K.Laha       | Gunjarpur  | 33       |

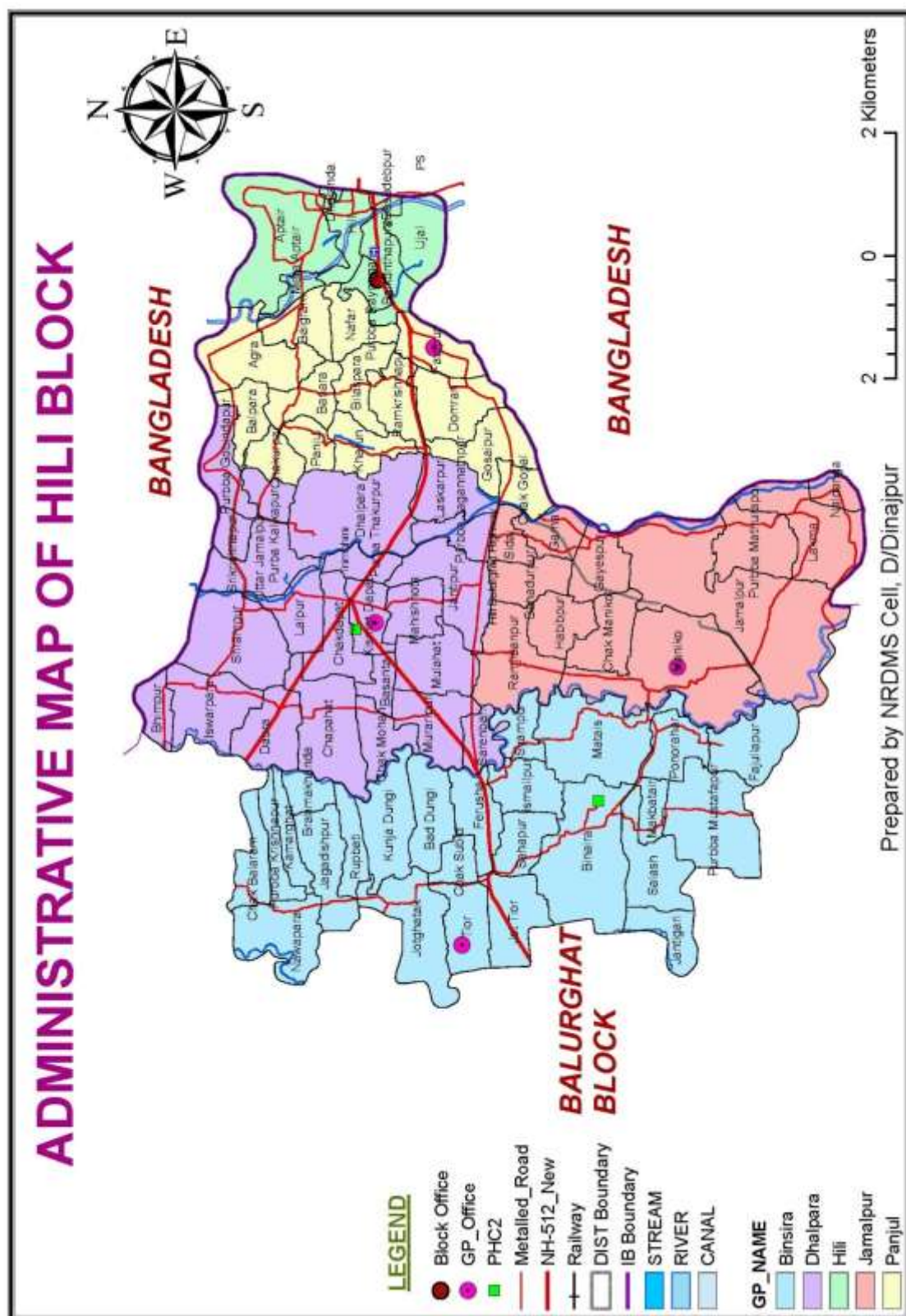
|    |                |            |    |
|----|----------------|------------|----|
| 25 | C.D.Saha       | Bongi      | 38 |
| 26 | A.K.Saha       | Khidirpur  | 37 |
| 27 | P.Sarkar       | Noksha     | 59 |
| 28 | P.K.Saha       | Bongi      | 24 |
| 29 | S.Das          | Bhushila   | 58 |
| 30 | Tapan Kr.Kundu | Khadimpur  | 25 |
| 31 | B.N.Paul       | Mahinagar  | 22 |
| 32 | ParanpurSKUS   | Paranpur   | 45 |
| 33 | T.K.Majumdar   | Bijoyshree | 36 |
| 34 | D.K.Laha       | Malancha   | 23 |
| 35 | G.C.Barman     | Gutin      | 40 |

|    |            |              |     |
|----|------------|--------------|-----|
| 36 | M.C.Mondal | Ayodhaya     | 26  |
| 37 | B.K.Das    | Amritakhanda | 27  |
| 38 | S.P.Laha   | Badamail     | 33  |
| 39 | J.N.Mondal | Kamarpara    | 28  |
| 40 | G.Sarkar   | Shiala       | 44  |
| 41 | S.C.Mahato | Durgapur     | 29  |
| 42 | F.C.Das    | Chingishpur  | 30  |
| 43 | P.C.Laha   | Bhabanipur   | 50  |
| 44 | G.R.Mahato | Bangalipur   | 48  |
| 45 | K.Tarafdar | Sobra        | 31  |
| 46 | Hari Paul  | Bolla        | 46A |

**Quick Response Team (QRT) at the Block Head Quarter.**

| Sl.No | Name of Officers & staff    | Designation               | Contact Number |
|-------|-----------------------------|---------------------------|----------------|
| 1     | Smt. Anuj Sikder, WBCS(Exe) | Block Development Officer | 9734025317     |
| 2     | Sri Subhankar Acharya       | Jt.B.D.O.                 | 9593907744     |
| 3.    | Sri Sujit Kr. Paul          | SEO & BDOM-in-Charge      | 8617888766     |
| 4     | Sri Nabarun Saha            | BIO                       | 9932685699     |
| 5     | Smt. Rekha Mardi, LGS       | Relief Clerk in charge    | 9476468389     |
| 6     | Sri Biswajit Samajdar       | AHC                       | 7908248030     |
| 7     | Sri Debasish Biswas         | TC                        | 9800083723     |
| 8     | Sri Kajal Kr. Shil          | Cashier                   | 8016537425     |
| 9     | Sri Sudip Dutta             | Cashier, P.Samity         | 9609770554     |
| 10    | Sri Sayak Smajder           | Data Entry Operator       | 9933494925     |
| 11    | Smt Kamana Sarkar           | Gr.D                      | 9531665081     |
| 12    | Smt.Archana Halder          | Gr.D                      | 9475311467     |
| 13    | Sri Phanindranath Sarkar    | Gr-D                      | 8900719505     |
| 14    | Sri Sujoy Choudhury         | Sup, SHG & SE             | 9932732588     |
| 15    | Kuddus Ali Sarkar           | Block Co-ordinator,SBM    | 9800684921     |
| 16    | Sri Jhantu Barman           | BYV                       | 8372024138     |
| 15    | Sri Suresh Ch. Barman       | Gr-D                      | 9614764181     |
| 16    | Sri Subrata Ghosh           | Casual Staff              | 9733320070     |
| 17    | Sri Kamal Barman            | Casual Staff              | 9563372609     |
| 18    | Sri Bishnu Tirkey           | Casual Staff              | 7602731223     |

## 2.Hili Development Block



Hili is a flood prone block. Almost every year flood occurs in this block causing huge loss and suffering of people. The main river and khari are Jamuna, Sree and Ghola Khari. All the rivers and Khari pass through this block from Bangladesh and re-enter Bangladesh after passing through the territories of this block. As the rainfall data and advance flood warning messages are not communicated to this block by the Bangladesh authority, people within the territory to this block can not be warned sufficiently in advance to move another safer place in time. This grave problem needs to be shorted out with the help of the Bangladesh authority.

It was experienced that flood submerges the block areas if heavy rainfall occurs in catchments areas i.e. Bangladesh as well as in the locality simultaneously. Beside that the severity of flood and damage caused by it, is maximum. This block had experienced a sever flood in 1995 and 2005 (water logging) when there was insistence rainfall in catchment areas as well as in the block areas simultaneously. After 1995 we did not face any havoc though the rainfall sometime, was above normal.

**Gram Panchayat wise inventory of Disaster Mitigation Plan prepared and narrated below:**

**HILI GRAM PANCHAYAT**

The river Jamuna passes through the heart of the Gram Panchayat coming from Bangladesh covering about 3.5 Km in the Indian Territory. A comparative figure is furnished below which will state the number and names of the mouzas which may be affected as and when the water level rises.

| Name of Vulnerable Village | Number of the person(s) of such Village | Name of Flood / Rescue Shelters with capacity | Name of safes and shortage root for evacuation                              |
|----------------------------|---|---|---|
| Baikunthapur               | 2514                                    | Hili R.N.High School (2500)                   | Baikunthapur to Hili R.N.High School via Hili - Balurghat Pucca road        |
| Basudebpur                 | 2167                                    |   | Basudevpur to Hili R.N.High School via Hili - Dharanda Pucca road           |
| Ujjal                      | 672                                     |   | Ujal to Hili R.N.High School via Hili - Ujal Pucca road                     |
| Hili                       | 2092                                    | Hili Girl's High Schhol (2500)                | Hili to Hili Girls High School in the same village                          |
| Dharanda                   | 1065                                    |   | Dharanda to Hili Girls High School via Daharanda - Hili School road         |
| Aptair                     | 3675                                    | Flood Shelter (Anchal Bhavan) (250)           | Aptair to Aptair F.P. School in the same viallage                           |
|                            |   | Aptair F.P. School (500)                      | Aptair to Flood shelter (Anchal Bhaban via Hili - Aptair Pucca road         |
|                            |   | Maa Durga Rice Mill (Temporary structure)     | Aptair to Maa Durga Rice Mill (Temporary Flood Shelter in the same village) |
| Rainagar                   | 620                                     | Rainagar F.P. School (400)                    | Rainagar to Rainagar F.P. School in the same village.                       |

| Field Office Address |     | Name & Designation                  | Residential Address                         | Ph. No. With Code             |
|----------------------|-----|-------------------------------------|---|-------------------------------|
| (1)                  |     | (2)                                 | (3)   | (4)                           |
|                      | 1.  | 1.Sri Nishith Sarkar, APO           | Mahinagar, Balurghat, D/ Dinajpur           | <b>9434964428</b>             |
|                      | 2.  | Sri Shyama Proshad Sarkar, SAE(BPC) | Balurghat, Salbagan para, D/Dinajpur.       | <b>8116045651</b>             |
|                      | 3.  | Sri Amitabha Debnath, Operator.     | Vill. Sahebkachari, Balurghat, D/Dinajpur   | <b>9734033199/ 9434176679</b> |
|                      | 4.  | Sri Manoj Dutta, Exe. Assistant     | Saheb kachari, Balurghat, Dakshin Dinajpur  | <b>9547311738</b>             |
|                      | 5.  | Sri Paltu Mondal, Nirman Sahayak    | Ratua, Baikunthapur, Gazol, Malda.          | <b>8145242643</b>             |
|                      | 6.  | Sri Madan Barman(Sahayak)           | Girls College para, Balurghat, D/Dinajpur.  | <b>9832893221</b>             |
|                      | 7.  | Sri Bidhan Ch. Roy, V.L.E.          | Vill. Chamundatala, Hili, Dakshin Dinajpur. | <b>9932738338</b>             |
|                      | 8.  | Sri Bikram Das, G.R.S               | Vill. Baikunthapur, Hili, Dakshin Dinajpur  | <b>9932739604</b>             |
|                      | 9.  | Bablu Kr. Das, G. P. Karmee         | Vill. Uttar Hili, Hili, D/ Dinajpur         | <b>9800660425</b>             |
|                      | 10. | Smt. Ratna Sarkar, G.P. Karmee      | Vill. Teor, Hili, Dakshin Dinajpur          | 9735952932                    |



### **RELIEF STORE**

Generally relief materials are stored in the Block Relief Godown, but in crisis the allotment of food grains, polly sheets, clothings etc. are to be allotted to the G.P. and stored in G.P. Office.

G.R. Rice / wheat are stored in the Godown of local G.R. dealer viz Gobinda Chandra Kundu, MR Shop No.14 of Hili (Mobile No. 9002903587).

### **EMBANKMENT**

One embankment in the eastern side of the river Jamuna constructed by the Irrigation & Waterways Department to protect the river Jamuna. As soon as the river crosses Pre-Danger Level mark, some portion of Basudevpur in the unprotected areas have been submerged causing much pandemonium by the local inhabitants.

### **SLUICE GATE**

The representative of Irrigation & Water Ways Department shall be asked to be ready for the maintenance work of embankment, sluice gates immediately in the flood preparatory meeting held on 17.05.2018 at Hili Panchayat Samity.

### **HIGH LAND FOR HELIPAD & AIRDROPPING**

Generally Hili Rama Nath High School Ground (opposite of the Hili Police Station) is identified as High Land for Helipad Air Dropping Point. BSF personnel are to be engaged for this purpose.

### **POST FLOOD MEASURES**

Medical team will be requested to continue their work after flood. Local BMOH has been asked to keep ready accordingly with sufficient stock of medicines. The BLDO has been asked to protect the life of cattle population if there be any eventuality. Comprehensive survey of damage, financial assistance to reconstruct the damaged houses by flood, compensation to the Next of kinds of the deceased will be finalized by the representative of the BDO, Panchayat Samity, Gram Panchayat with opposition leader jointly. The ADO has been asked to see the agricultural sector damaged by flood and render necessary assistance to the flood victims below poverty line. He has also been asked to submit daily rainfall report to the Block Development Officer and keep sufficient alternative crops, seed beds, paddy straw etc.

### **PANJUL RGRAM PANCHAYAT**

There is no river in this Gram Panchayat. Maximum number of population resides in low land areas. These areas are usually affected by water logging and the flash flood water of the river Sree situated to neighbor Gram Panchayat Dhalpara. Most of the people are Agriculture and day labourer. The following Mouzas are vulnerable, may be affected by flood/water logging under this Gram Panchayat.

| Name of Vulnerable Village | Number of the person(s) of such Village | Name of Flood Shelter with capacity           | Name of safes and shortage root for evacuation                           |
|----------------------------|---|---|--|
| Kharun                     | 1443                                    | Kharun F.P. School (300)                      | Kharun to Kharun F.P. School in the same village                         |
|                            |   | Panjul High School & Panjul F.P. School(1500) | Kharun to Panjul High School via Kharun - Panjul Pucca road              |
| Panjul                     | 1013                                    | Panjul High School & Panjul F.P. School(1500) | Panuul to Panjul High School in the same village                         |
| Banora                     | 1008                                    |   | Banora to Panjul High School via Banora - Panjul Pucca road.             |
| Balopara                   | 967                                     | Balopara F.P. School (400)                    | Bolopara to Blopara F.P. School in the same village.                     |
| Dumran                     | 2076                                    | Fatepur Balupara High School (1500)           | Dumran to Fatepur Balupara High School in the same village               |
|                            |   | Baikunthapur F.P. School (100)                | Dumran to Baikunthapur F.P. School in the same village                   |
| Chakgopal                  | 458                                     | Gosaipur F.P. School (500)                    | Chakgopal to Gosaipur F.P. School in the same village                    |
| Gosaipur                   | 673                                     | Gosaipur F.P. School (500)                    | Gosaipur to Gosaipur F.P. School in the same village                     |
| Agra                       | 1357                                    | Agra Jr. Basic School (500)                   | Agra to Agra Jr. Basic School in the same village                        |
| Chakurpai                  | 950                                     | Chakurpa F.P. School (300)                    | Chakurpai to Chakurpai F.P. School in the same village.                  |
|                            |   | Panjul G.S. F.P. School (300)                 | Chakurpai to Panjul G.S.F.P. School via Chakurpai - Panjul Pucca road.   |
| Baigram                    | 615                                     | Baigram F.P.School (200)                      | Baigram to Baigram F.P. School in the same village                       |
|                            |   | Nafar G.S. F.P. School (200)                  | Baigram to Nafar.G.S.F.P. School via Hospital more - Baigram Pucca road. |

| Field Office Address | Name & Designation | Residential Address | Ph. No. With Code |
|----------------------|--------------------|---------------------|-------------------|
| (1)                  | (2)                | (3)                 | (4)               |

**Panjul G.P.**

P.O. Trimohini, P.S.  
Hili, Dakshin  
Dinajpur.

|   |   |   |            |
|---|---|---|------------|
| 1 | Dinajpur Ph.No.03522253307<br>Sri Pampi Sarkar, WDO | Hili, Barori tala,<br>D/Dinajpur                    | 9734074085 |
| 2 | Sri Pradip Kr. Roy, Operator.                       | Barwaritola, P.O. Hili,<br>D/Dinajpur.              | 9933857115 |
| 3 | Sri Pares Mahato,<br>Asstt.Operator.                | Vill. Dhalpara, P.O.<br>Trimohini, D/Dinajpur       | 8145747133 |
| 4 | Sri Debajit Sarkar, Exe.<br>Assistant               | Narayanpur, Balurghat                               | 7076635359 |
| 5 | Sri Mrinal Kr. Choudhury,<br>Secretary.             | Balurghat, ,<br>D/Dinajpur                          | 9635045756 |
| 6 | Sri Niresh Ch. Barman,<br>Sahayak                   | Vill. Manipur, P.O.<br>Nunail,<br>Blg., D/Dinajpur. | 9474853107 |
| 7 | Smt. Srabani Das (Saha),<br>A/S(SSK/MSK)            | Hili, Dakshin Dinajpur                              | 9932834765 |
| 9 | Smt. Iti Kundu, A/S(SSK/MSK)                        | Hili, Dakshin Dinajpur                              | 7586967924 |

In 1995, this G.P. was severally affected by flood/water logging due to damage of an embankment at Uttar Jamalpur (Northern side of the G.P.) 2 kms away from this G.P, which protected the flow of flood water of the river Sree from the Bangladesh side. As there was no advance flood warning system. It happened due to lack of advance warning system or any preparatory disaster management system.

**RELIEF STORE**

There are sufficient place in the G.P. office to store relief materials. G.R. Rice/Wheat are stored in the Godown of G.R. dealer i.e. Ratan Kr. Debnath, of Fatepur (Tel. No. 03522-250616).

**EMBANKMENT**

There is one embankment starting from Agra to Srirampur maintained by the CPWD. Before monsoon the embankments are usually strengthened.

**HIGH LAND FOR HELIPAD & AIRDROPPING**

There are no such places. Helipad and air dropping point identified for Hili G.P. will also serve the purpose for this G.P. as the venue of vulnerable areas are in the proximity of Hili G.P.

**BOTH FOR RELIEF AND RESCUE OPERATION**

There is no country boat available in this G.P. One boat from Hili G.P. has been earmarked for this G.P. moreover; one speed boat may be placed in case of emergency.

### **PREPARATORY ARRANGEMENT**

Under progress imparting training to the local volunteers and CD volunteers are necessary before on set of monsoon.

| Name of Vulnerable Village | Number of the person(s) of such Village | Name of Flood Shelter with capacity                    | Name of safes and shortage root for evacuation  |
|----------------------------|---|--|---|
| Gobindapur                 | 297                                     | Srikrishnapur F.P. School (300)                        | Gobindapur to Srikrishnapur F.P. School via Gobindapur - Srikrishnapur CPWD road.     |
| Srikrishnapur              | 420                                     |  | Srikrishnapur to Srikrishnapur F.P. School in the same village                        |
| Uttar Jamalpur             | 605                                     | Trimohini PCUM Vidhyalaya (2000)                       | Uttar Jamalpur to Trimohini PCUM Vidhyalay via Trimohini - Uttar Jamalpur Pucca road. |
| Chakdapot                  | 1701                                    |  | Chakdapot to Trimohini PCUM Vidhyalay in the same village.                            |
| Lalpur                     | 2008                                    |  | Lalpur to Trimohini PCUM Vidhyalay via Trimohini - Lalpur Pucca road.                 |
| Kalikapur                  | 700                                     | Kalikapur F.P. School (400)                            | Kalikapur to Kalikapur F.P. School in the same village                                |
| Kismatdapat                | 3119                                    | Kismatdapat Flood Shelter (250)                        | Kismatdapat to Kismatdapat F.P. School in the same village                            |
|                            |   | Kismatdapat F. P. School (250)                         | Kismatdapat to Kismatdapat Flood Shelter in the same village                          |
|                            |   | Chakdapat F.P. School (500)                            | Kismatdapat to Chakdapat F.P. School, northern side of the village.                   |
| Dhalpara                   | 1399                                    | Dhalpara F.P. School (300)                             | Dhalpara to Dhalpara F.P. School in the same village.                                 |
| Laskarpur                  | 1274                                    | Laskarpur F.P. School (200)                            | Laskarpur to Laskarpur F.P. School in the same village.                               |
| Mohisnota                  | 1462                                    | Mohisnota F.P. School (300), Mulahat F.P. School (400) | Mohisnota to Mohisnota F.P. School in the Same village.                               |
| Srirampur                  | 1362                                    | Srirampur F.P. School (200)                            | Srirampur to Srirampur F.P. School in the same village                                |
| Dabra                      | 1169                                    | Dabra Jr. Basic School(500)                            | Dabra to Dabra Jr. Basic School in the same village                                   |
| Sarenbari                  | 246                                     | Muraripur F.P. School (200)                            | Sarengbari to Muraripur F.P.School, Northern side of the village.                     |
| Basanta                    | 606                                     | Muraripur Sonaullah High School (1500)                 | Basanta to Muralipur Sonaullah High School via Hili - Balurghat Pucca raod.           |
| Muraripur                  | 787                                     |  | Muraripur to Muralipur Sonaullah High School in the same village.                     |

### **SUPPLY OF PORTABLE WATER**

One Tube-well with high platform has been constructed at Panjul High School; tube well with high platform may be constructed at each rescue shelter, which may serve in general.

### **POST FLOOD MEASURE**

The BMOH

has been asked to make preparatory arrangement before on set of monsoon and render necessary help with staff and medicine in case of eventualities. BLDO and ADA have been also advised accordingly. Block, Panchayat and G.P. will finalise comprehensive survey of damage, financial assistance to rebuild the damaged homes affected by flood and compensation to the kins of the deceased jointly.

### **DHALPARA GRAM PANCHAYAT**

There is one river Sree passes through the G.P. entering from Bangladesh and re-entering to Bangladesh after covering about 10 kms. Though this is a small river, yet the magnitude of devastation during flood is maximum. There is no system of water protection/dam in the river and lack of advance information of flood warning message the situation becomes more disastrous in the event of actual flood.

The following mouzas are vulnerable to flood (Population shown side by side)

### **RELIEF STORE**

A room has been earmarked for relief store in the flood shelter in case of emergency. Otherwise the stock of relief materials will be stored at G.P. office.

G.R. rice/wheat will be stored and distributed from G.R. dealer Sri Kalicharan Ghosh of Chakdapat, MR Shop No. 10 (Mobile No. 9002777905)

### **EMBANKMENT**

There is one embankment at Uttar Jamalpur maintained by the CPWD. Uttar Jamamlpur and Srikrishnapur are the most vulnerable mouzas to this block. which are unprotected. Almost every year the low-land areas of these mouzas are affected by moderate flood by the water coming from Bangladesh through the river Sree.

### **SLUICE GATE**

The Irrigation and Water Way Department should repair all sluice gates to the bridge near Uttar Jamamlpur.

### **HIGH LAND FOR HELIPAD & AIRDROPPING**

There is no such high land for Helipad and Airdropping. The field of Hili R.N. High School has been located for the purpose, which is 6/7 kms away from this G.P.

### **POST FLOOD MEASURES**

Medical team, Agriculture Department, BLDO and other department in the Block have been advised to keep themselves alert for the purpose. Survey of damage houses and crops, arrangement of financial assistance to the indigent persons whose houses are damaged/destroyed and the person lost their crops and provide compensation to the kins of the deceased are finalized jointly by the Block and Panchayat functionaries.

### **BINSIRA GRAM APNCHAYAT**

There is no river in this G.P. One Khari viz Ghola Khari passes through the G.P. coming from Bangladesh and re-entering to Bangladesh covering about 10 kms in the Indian Territory. The G.P. is affected partially by heavy rainfall and water logging. The following mouzas are vulnerable to flood and water logging.

| <b>Name of Vulnerable Village</b> | <b>Number of the person(s) of such Village</b> | <b>Name of Flood Shelter with capacity</b> | <b>Name of safes and shortage root for evacuation</b>   |
|-----------------------------------|--|--|---|
| Ferusa                            | 1597   | Teor K.A. High School (2500)               | Ferusha to Teor K.A. High School via Hili-Balurghat Pucca Road  |
| Ismailpur                         | 628  |  | Ismailpur to Teor K.A. High School via Hili-Balurghat Pucca Road  |
| Shyampur                          | 714  | Teor Sarbeswari Valika Vidyalay (1500)     | Shyampur to Teor Kalibari via Shyampur - Kalibari Pucca Road then Tear Sarbeswar Balika Vidhyalaya via Hili - Balurghat Pucca Road. |
| Mataish                           | 1391   | Mataish Jr. Basic School (500)             | Mataish to Mataish Jr. Basic School in the same village   |
| Baddungi                          | 447  | Nowpara Jr. Basic School (400)             | Baddungi to Nowpara Jr. Basic School via Toer - Nowpara Pucca Road  |
| Purba Krishnapur                  | 408  | Purba Krishnapur F.P. School (200)         | Purba Krishnapur to Purba Krishnapur F.P. School in the same village  |
| Kunjadungi                        | 570  | Kunjadungi F.P. School (300)               | Kunjadungi to Kunjadungi F.P. School in the same village  |
| Jantigari                         | 91   | Salash F.P. School (150)                   | Jantigari to Salash F.P. School via Purba Mostafapur - Teor Pucca Road  |
| Purba Mostafapur                  | 1149   | Purba Mostafapur F.P.                      | Purba Mostafapur to Purba Mostafapur  |

|          |     |                            |  |
|----------|-----|----------------------------|--|
|          |     | School (500)               | F.P. School in the same village                      |
| Powrahar | 699 | Mokrapur F.P. School (200) | Pourahar to Mokrapur F.P. School in the same village |

### **RELIEF STORE**

G.P. office has sufficient place for making storage of relief materials. G.R. rice/wheat have been stored with G.R. dealer Amal Ch. Sarkar, of Chakbalaram, MR Shop No. 17.

### **HIGH LAND FOR HELIPAD AND AIRDROPPING**

Generally Hili R.N. High School play ground has been identified for helipad and air dropping. But in case of emergency, Teor Bharat Sevasram Sangha play ground may be arranged as helipad and air dropping.

### **POST FLOOD MEASURE**

Medical team, Veterinary aids and supply of cattle feeds, financial assistance to reconstruct the damage houses, compensation to the kins of the deceased, inspection, restoration and repair of infrastructural facilities and disinfecting of drinking water are ensured after flood. This works is done jointly with the help of Panchayat functionaries.

### **RELIEF AND RESCUE TEAM**

| Field Office Address | Name & Designation | Residential Address | Ph. No. With Code |
|----------------------|--------------------|---------------------|-------------------|
| (1)                  | (2)                | (3)                 | (4)               |

Binsira G.P.  
P.O.Teor, P.S.Hili,  
Dakshin Dinajpur  
Ph.No. 03522  
252308

- |   |  |  |            |
|---|--|--|------------|
| 1 | M.d,Amir Hossair,EO-<br>. MEE)                   | Habaspur math para,<br>Bhagangola, Murshidabad.                        | 9932556308 |
| 3 | Sri Satyajit Das,<br>. Operator.                 | Vill. Bakshiganj, P.O. Fatepur,<br>Dakshin Dinajpur                    | 9635460552 |
| 4 | Sri Biplab Das,<br>. Secretary,Binshira.         | Vill. Balurghat,D/Dinajpur.  |            |
| 5 | Sri Manoj Dutta, Exe.<br>. Assistant (In-Charge) | Sahebkachari, Balurghat,<br>Dakshin Dinajpur                           | 9547311738 |
| 6 | Sri Bappa Dutta,<br>. Sahayak                    | Vill.Prachayabharoti(MahantaPa<br>ra), P.O. Teor, Dakshin<br>Dinajpur. | 9932923595 |
| 7 | Sri Anil Mali,<br>. G.P.Karmee                   | Vill. Panjul,<br>P.O. Fatepur, D/Dinajpur                              | 9474347020 |

## **JAMALPUR GRAM PANCHAYAT**

This G.P. is the most vulnerable flood prone Gram Panchayat of this block. The only river that is Sree passes through the G.P. in its down stream coming from Bangladesh and reentering to Bangladesh covering approximately 6 kms. Lack of advance flood warning message and rainfall forecast, the people of the area kept in dark about the gravity of the situation. There is no water protection system of the river Sree. Irrigation & Waterways Department may arrange this system.

### **EMBANKMENT-CUM-ROAD**

Embankment-cum-Road is maintained by Irrigation & Water Department and CPWD. Proper care should be made to these embankments, as this G.P. is most vulnerable to flood. Some culverts in eastern side of Mathurapur B.S.F. Camp was proposed for construction to facilitate easy flow of excess water of the river Sree as well as the stagnant water eased due to rainfall in monsoon. Some culverts were constructed but it is not enough to flow away the water. The matter may be taken up with CPWD and Irrigation & Water Department.

| Name of Vulnerable Village | Number of the person(s) of such Village | Name of Flood Shelter with capacity                       | Name of safes and shortage root for evacuation                                  |
|----------------------------|---|---|---|
| Jamalpur                   | 3674                                    | Jamalpur MSK (500)  | Jamalpur to Jamlpur MSK via Purba Mathurapur CPWD Road                          |
|                            |   | Jamalpur F.P. School (400)                                | Jamalpur to Jamlpur MSK via Purba Mathurapur CPWD Road                          |
|                            |   | Temporary shelter on CPWD Road from Sedai to Lakma (2000) | Jamalpur to Temporary flood shelter at CPWD Raod via Purba Mathurapur CPWD Road |
|                            |   | Dakshin Jamalpur F. P.School (200)                        | Jamalpur to Dakshin Jamlpur F.P. School in the same village                     |
|                            |   | Jamalpur Flood Shelter (200)                              | Jamalpur to Jamlpur flood shelter in the same village                           |
| Lakma                      | 1025                                    | Lakma Bangalipur Jr. Basic School (500)                   | Lokma to Lokma Jr. Basic School in the same village                             |
| Purba Mathurapur           | 855                                     | Purba Mathurapur F. P.School (300)                        | Purba Mathurapur to Purba Mathurapur F.P. School in the same village            |
| Maniko                     | 1354                                    | Maniko Adivasi High School (1500)                         | Maniko to Maniko Adibashi High School in the same village                       |
| Chakmaniko                 | 155                                     |   | Chakmaniko to Maniko Adibashi High School via Teor - Bangalipur Pucca Road.     |
| Gayespur                   | 653                                     | Gayeshpur F.P. School (200)                               | Gayeshpur to Gayeshpur F.P. School in the same village                          |
| Garna                      | 858                                     | Garna F.P. School (400)                                   | Garna to Garna F.P. School in the same village                                  |
| Bahadurpur                 | 478                                     |   | Bahadurpur to Garna F.P. School via Purba Mathurapur - Trimohini Pucca Road.    |
| Habibpur                   | 54                                      | Ramjibanpur F.P. School (300)                             | Habibpur to Ramjibanpur F.P. School via Ramjibanpur - Trimohini Pucca Road.     |
| Sedai                      | 475                                     | Sedai F.P. School (150)                                   | Sedai to Sedai F.P. School in the same village                                  |
| Ramjibanpur                | 868                                     | Ramjibanpur F.P. School (300)                             | Ramjibanpur to Ramjibanpur F.P. School in the samne village                     |

## RELIEF STORE

There is enough capacity in the G.P. to store relief materials. In case of necessity relief materials may be stored at flood shelter at Jamalpur. G.R. rice/wheat are stored in the godown of local G.R. dealer Subhas Sarkar of Jamalpur, MR Shop No.9 (Mobile no. 9434347310)

## HIGH LAND FOR HELIPAD AND AIRDROPPING

There is no such high land for facilitating the Helipad and Airdropping in the G.P. Only high land during flood is CPWD Road – cum- Embankment. The road communication system has been improved after 1995 flood, there will be no difficulty to move the relief commodities by road from Hili. (Hqr). BSF personnel assured that all possible cooperation will be rendered in the event of flood. Proper arrangement of guarding of embankment preparing helipad during flood will be done. They also assured that their communication network might be utilized in case of need. The top of the roof of Maniko Adibashi High School may be used for Helipad in emergency.

## RESCUE AND RELIEF OPERATION

This G.P. faced acute problem for distribution of relief during flood in 1995 due to non-availability of country boat in the area. Problem for movement of relief materials during flood was also faced in 1995 as the BDR of Bangladesh prohibited movement of boat through the river Sree that submerged by flood and territorial identification was not possible. Rendering relief is made on local negotiation, Joint discussion with Bangladesh authority centrally or at State Level.

### RELIEF AND RESCUE TEAM

| Field Office Address | Name &<br>Designation | Residential Address | Ph. No. With Code |
|----------------------|-----------------------|---------------------|-------------------|
| (1)                  | (2)                   | (3)                 | (4)               |

|  |   |   |   |              |
|--|---|---|---|--------------|
| Jamalpur G.P.<br>P.O. Jamalpur, P.S. Hili, Dakshin<br>Dinajpur | 1 | Sri Ashok Biswas,<br>JE-S.A.E.(RWP)                                       | Biswaspara<br>Balurghat,D/Dinajpur.                         | 9434425047   |
|  | 2 | Sri Biplab Kr.<br>Roy, Operator   | Vill. Kshidirpur,<br>Balurghat,<br>D/Dinajpur.              | 9641278241   |
|  | 3 | Sri Sunanda<br>Malaker, Sahayak   | Vill. Sahebkhachari<br>para, P.O. Balurghat,<br>D/Dinajpur. | 9475723854   |
|  | 4 | Sri Ajay Rabidas,<br>P.H.S.   | Vill. Binsira, P.O.<br>Teor, Hili,<br>D/Dinajpur.           | 9932213843   |
|  | 5 | Sri Binoy Sarkar,<br>BC(SB)   | Vill. Baigram, Panjul,<br>Hili                              | 9932327950   |
|  | 6 | Sri Tapash Kr.<br>Deb, Mech   | Balurghat,<br>D/Dinajpur.                                   | 03522-256489 |
|  | 7 | Sri Ghutu<br>Bhengra, G.P.<br>Karmee                                      | Vill. Jamalpur, Hili,<br>Dakshin Dinajpur                   |              |
|  |   | Jamalpur Flood<br>Shelter, P.O<br>Jamalpur, P.S.Hili,<br>Dakshin Dinajpur |   |              |
|  | 1 | Sri Santanu Das,<br>B.I.O.  | Balurghat, Dakshin<br>Dinajpur                              | 9475105601   |
|  | 2 | Sri Soumyadip<br>Sengupta, Secy.  | Vill. Prachyabharati<br>road Balurghat,<br>D/Dinajpur.      | 7797927107   |
|  | 3 | Sri Sudhir Saha,<br>Mech  | Balurghat,<br>D/Dinajpur                                    |              |
|  | 4 | Sri Tumpa Ghosh,<br>Supvisor (SHG)  | North Chakbhabani,<br>Shibtali, D/Dinajpur                  | 9474434330   |
|  | 5 | Sri Biplab Laha,<br>Nirman Sahayak  | Harirampur , Dakshin<br>Dinajpur                            |              |

## **POST FLOOD MEASURES**

Medical assistance to the flood victims are made by the BMOH jointly with other voluntary organizations, ICDS employees, Panchayat functionaries. The Gram Panchayat functionaries provide country boat for rescue the flood victims. Veterinary aids and supply of cattle feed, financial assistance to the kin of the deceased, inspection, restoration and repair of infrastructural facilities and disinfecting of drinking water will be ensured after flood. These works are done jointly with Panchayat functionaries, Block Administration, Panchayat Samiti functionaries.

### **Quick Response Team (QRT) at the Block Head Quarter.**

| <b>Name / Designation / Address( along with residential address )</b>                              | <b>Ph. No. with STD, E-Mail</b> |
|--|---------------------------------|
| 1. Sri Sanjay Subba, WBCS (Executive)<br>Block Development Officer, Hili                           | 250248 (O)<br>8373069033        |
| 2. Sri Prasanta Kr.Dutta, BWO,<br>Hili, Dakshin Dinajpur   | 9733029310                      |
| 3. Sri Brajendra Nath Roy, SEO<br>Hili, Dakshin Dinajpur   | 9647850467                      |
| 4. Sri Nishith Sarkar, APO<br>Mahinagar,Balurghat  | 9434964428                      |
| 5. Sri Tultul Lahiri,Bal-Sebika<br>Balurghat, Dakshin Dinajpur                                     | 9126922175                      |
| 6. Sri Santanu Das, BIO, Hili<br>Vill. Balurghat, D/Dinajpur                                       | 9475105691                      |
| 7. Sri Mandrita Karmakar, Cashier, Hili<br>Saheb kachari (Salbagan)<br>Balurghat, Dakshin Dinajpur | 7319453528                      |
| 8. Sri. Sourav Saha, DEO<br>Chakbhabani,Blg., Dakshin Dinajpur.                                    | 7602652070                      |
| 9. Smt. Mandrita Sarkar, LDC<br>Balurghat, Dakshin Dinajpur.                                       | 8900467944                      |
| 10. Sri. Amit Saha, C.A.,<br>Balurghat, Dakshin Dinajpur.  | 9800780990                      |
| 11. Sri Anay Kr. Chakraborty,UDC,<br>Balurghat, Dakshin Dinajpur                                   | 7047180490/9434424436           |
| 12. Smt. Sudip Paul,(Cashier, Hili P/S)<br>Balurghat, Dakshin Dinajpur                             | 8597414039/9475612712           |
| 13. Sri Samir De, Data Manager<br>Vill. Basudevpur, Hili, Dakshin Dinajpur.                        | 9734836667                      |
| 14. Sri Kshirod Das, Gr-D<br>Balurghat, Dakshin Dinajpur.  | 9593726879                      |
| 15. Sri Tapan Kar, Gr-D<br>Balurghat, Dakshin Dinajpur.  | 9800534699                      |
| 16. Sri Swapan Kr. Pramanik, N.G.<br>Hili, Dakshin Dinajpur.                                       | 9933892049                      |
| 17. Rishikesh Paul,vill- Brahmangram, Harirampur   | 9732454231                      |
| 18. Bhaskar Chakraborty, Mokterpara, Balurghat   | 7586028406                      |
| 19. Bimalendu Ekka, Balopara, Fatepur, Hili  | 8373008812                      |
| 20. Amarnath Banerjee, Rabindranagar, Balurghat  | 9474380263                      |



### **Telephone Directory**

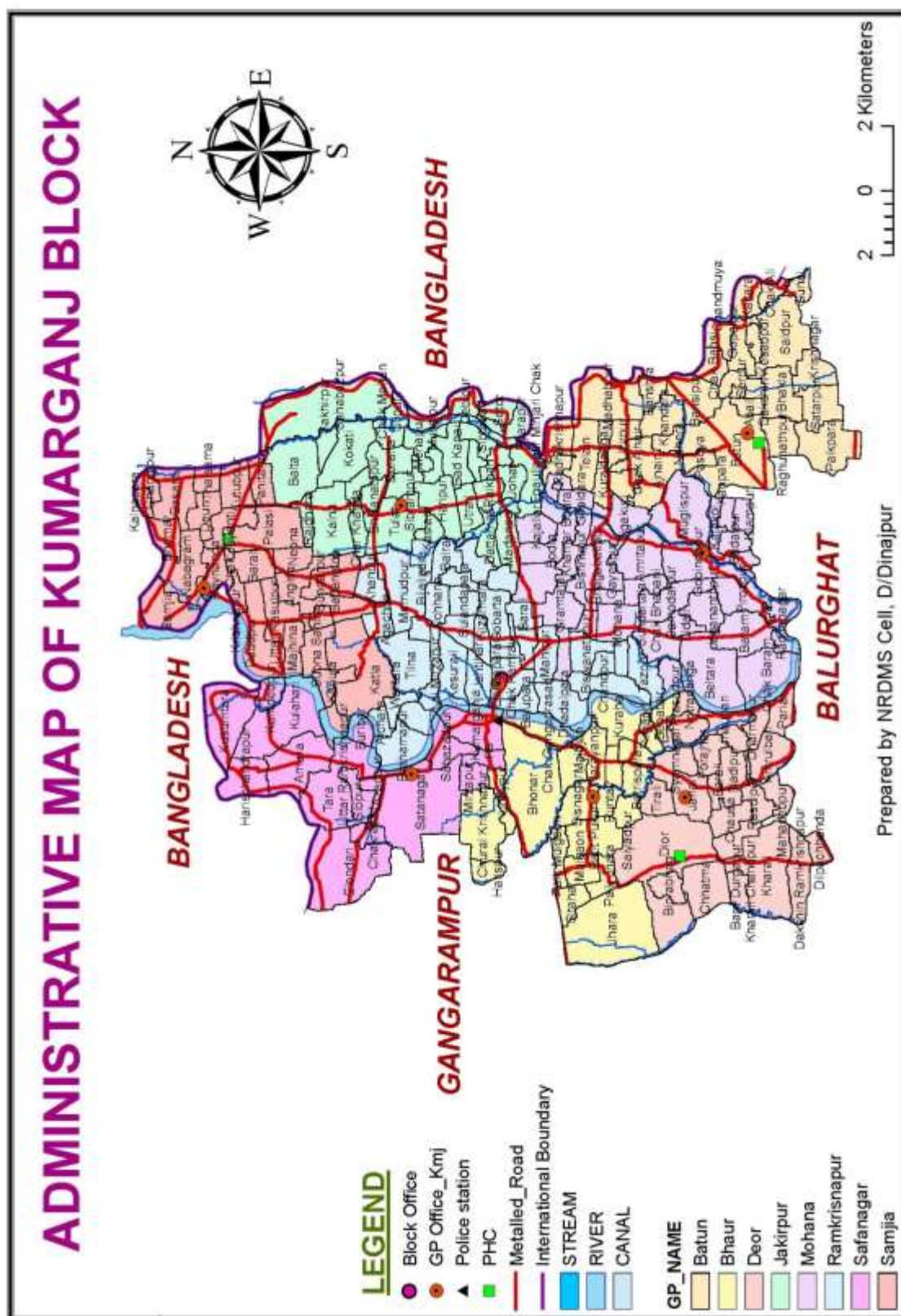
| SL. No. | Name                    | Designation     | Address | Phone Number                                       |            |
|---------|-------------------------|-----------------|---------|--|------------|
| 1.      | Subhankar Mahato        | Savapati        | Hili    | 03522-250250                                       | 9002218073 |
| 2.      | Sanjay Subba            | B.D.O.          | Hili    | 03522-250248                                       | 8373069033 |
| 3.      | Dr. Rudrangshu Majumder | BMOH            | Hili    |  | 8420057666 |
| 4.      | Tashi Therang Sharpa    | O/C, Hili P.S.  | Hili    | 03522-250234                                       | 9734077111 |
| 5.      | Dr. Probhakar Biswas    | BLDO            | Hili    |  | 9493445866 |
| 6.      | Dr. Akash Saha          | ADA             | Hili    | 03522-250655                                       | 8436787893 |
| 7.      | Babul Islam             | CDPO            | Hili    | 03522-252786                                       | 9051757148 |
| 8.      | Saran Subba             | BL & LRO        | Hili    | 03522-250668                                       | 9832079594 |
| 9.      | Suman Sengupta          | SI of Schools   | Hili    |  | 9933765376 |
| 10.     |                         |                 |         |  |            |
| 11.     | Prasanta Kr. Dutta      | BWO             | Hili    | --   | 9733029310 |
| 12.     | WBSEB                   | Station Manager | Hili    | 03522-250243 (Hili)<br>03522-252250<br>(Trimohini) |            |

### **BOAT OWNERS' LIST**

Hili Block

| SL.NO                   | NAME           | GP       | SANSAD      | CONTACT NO. | REMARK |
|-------------------------|----------------|----------|-------------|-------------|--------|
| HILI GRAM PANCHAYAT     |                |          |             |             |        |
| 1                       | GAUTAM SARKAR  | HILI     |             |             |        |
| 2                       | SUBRATA MALI   | HILI     | HILI        | 9563049239  |        |
| 3                       | GOPAL DAS      | HILI     | HILI        | 9933038384  |        |
| 4                       |                |          |             |             |        |
| DHALPARA GRAM PANCHAYAT |                |          |             |             |        |
| 1                       | PRADIP DAS     | DHALPARA | LALPUR      | 7872814351  |        |
| 2                       | BALAI DAS      | DHALPARA | LALPUR      | 9733201568  |        |
| 3                       | PABAN DAS      | DHALPARA | LALPUR      | 7797416734  |        |
| 4                       | PARESH DAS     | DHALPARA | LALPUR      | 7407109829  |        |
| 5                       | AMAL DAS       | DHALPARA | LALPUR      | 8167615692  |        |
| 6                       | RAATAN ROY     | DHALPARA | LALPUR      | 9735969948  |        |
| JAMALPUR GRAM PANCHAYAT |                |          |             |             |        |
| 1                       | SUDEB DAS      | JAMALPUR | MATHURA PUR | 8972163168  |        |
| 2                       | ANDIRAJ TAPNA  | JAMALPUR | MANIKO      | 8972163168  |        |
| 3                       | GANGADHAR DAS  | JAMALPUR | D/JAMALP UR |             |        |
| 4                       | GANESH CH. DAS | JAMALPUR | MANIKO      | 9800637112  |        |

### 3. Kumarganj Development Block



## PREFACE

Kumarganj Block has embarked on the path of preparing and publishing a comprehensive Disaster Management Plan that shall address all the concerns preparing for Disaster threats and mitigation of the need at the time of Disasters. The Block has been hit by various kinds of disasters over the years. The disasters occurring in Kumarganj Block are both nature triggered and man induced. Nature's fury over Kumarganj Block takes shape of cyclones, floods, lightning and occasional epidemics. The man induced disasters affecting in this Block are accidental Fire, road accidents, fire accidents. In this context, a dedicated effort has been made by the Block to prepare a comprehensive DDMP under the stewardship of District Administration. We have prepared a complete list of possible disasters in each village, collated the history of disasters, Standard Operating Procedure (SOP) for each such disaster, contact numbers of all the Nodal officers, Diving experts and QRTs, inventories the entire disaster management equipment, list of Flood shelters and medical facilities and a Hazard specific Crisis Management Plan.

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The Block Disaster Management Plan is a key for management of emergency or disaster. It will play a significant role to address the unexpected disasters that occur in the Block effectively. The information available in DDMP is valuable in terms of its use during disasters. Based on the history of various major incidents & disasters that occur in the Block, the plan has been designed utmost attention has been paid to make it handy, precise rather than bulky one. This plan has been prepared and which is based on the guidelines provided by the National Disaster Management Authority (NDMA). While preparing this plan, most of the issues, relevant to crisis management, have been carefully dealt with. During the time of disaster there will be a delay before outside help arrives. At first, self help is essential and depends on a prepared community which is alert and informed. Efforts have been made to collect and develop this plan to make it more applicable and effective to handle any type of disaster.

The DDMP developed involves some significant issues like Incident Response System (IRS), Hazard, Risk, and Vulnerability and, the response mechanism in disaster management. In fact, the response mechanism, an important part of the plan is designed with the IRS, a best model of crisis management. It has been the most significant tool to the response manager to deal with the crisis within the limited period and to make optimum use of the available resources. Details of resources are given an importance in the plan so that during disaster their optimum use can be derived. The resource inventory, It will give the detail information to any officer at the time of disaster. She/he can view the available resources and order them at the time of disaster. The most necessary equipments, skilled manpower and critical supplies needs to be included in the inventory resources. During disaster, the resources from this website can be ordered without delay which will make the response time lesser.

List of Nodal Officers of Emergency Support functionaries and their resources, control room of various departments, ambulances, blood banks, public health centers, and government and private hospitals, Schools , Flood shelters etc. have been included in this plan.

As a whole, this is a genuine effort of district administration to develop the plan and if you have any suggestions and comments, be free to convey the same so that we can include them in the next edition. We are thankful to all the institutions and persons who have provided us the vital information in process of making the Plan. I sincerely wish that this Block Disaster Management Plan (DDMP) of Kumarganj Block will assist the Disaster Mitigation efforts of the Block a great deal and subsequently reduce the loss of life and property due to these disasters.

## **The Block Disaster Management Plan, Kumarganj Block, has included-**

- ☐ The Block Map with Legends
- ☐ Demographic and Administrative Information
- ☐ Past history of the Disasters ravaged the Block area
- ☐ The areas in the Block vulnerable to different forms of Disasters.
- ☐ Incident Response Team (Block Level)
- ☐ The measures to be taken, for prevention and mitigation of disaster, by the Departments of the Government at the Block level and local authorities in the district;
- ☐ The capacity-building and preparedness measures required to be taken by the Departments of The Government at the district level and the local authorities in the district to respond to any threatening disaster situation or disaster.
- ☐ The response plans and procedures, in the event of a disaster, providing for -
- ☐ Allocation of responsibilities to the Departments of the Government at the district level and the local authorities in the Block.
- ☐ Prompt response to disaster and relief thereof;
- ☐ Procurement of essential resources;
- ☐ Establishment of communication links; and
- ☐ The dissemination of information to the public;
- ☐ Such other matters as may be required by the District Authority.

The Block Plan shall be reviewed and updated annually. The copies of the Block Plan referred to in sub-sections (2) and shall be made available to the Departments of the Government in the district.

### **Evolution of the Plan in brief:**

Preparation of Block Disaster Management Plan is responsibility of the Block Disaster Management Authority of the Block. The main steps involved in the development of this plan are:

- ☐ Data collection from all line departments
- ☐ Data analysis
- ☐ Discussion with experts
- ☐ Preparation of action plans for all line departments
- ☐ Preparation of draft plan document
- ☐ Mock drill to check the viability and feasibility of the implementation methodology
- ☐ Wide circulation for public and departmental comments
- ☐ Preparation of the final plan document

### **Stakeholders & their responsibilities:**

As per Section 31 of the DM Act 2005 Every office of the Government of India and of the State Government at the district level and the local authorities shall, subject to the supervision of the District Authority, - 1. Prepare a disaster management plan setting out the following , namely

- ☐ Provisions for prevention and mitigation measures as provided for in the District Plan and as is assigned To the department or agency concerned;
  - ☐ Provisions for taking measures relating to capacity-building and preparedness as laid down in the District Plan;
  - ☐ The response plans and procedures, in the event of, any threatening disaster situation or disaster;
2. Coordinate the preparation and the implementation of its plan with those of the other organizations at the Block level including local authority, communities and other stakeholders;
  3. Regularly review and update the plan; and
  4. Submit a copy of its disaster management plan and of any amendment thereto, to the District Authority.

### **How to use the Plan:**

- ☐ Plans will work only in the case when present organizational structure is responsible to its non – emergency duties i.e. if a job is done well everyday; it is best done by that organization during emergency.
- ☐ Crisis should be met at the lowest and most immediate level of government. Plans call for local response supplemented if necessary, by the next higher jurisdiction.
- ☐ Voluntary response and involvement of the private sector should be sought and emphasized. The emergency management partnership is important to all phases of natural and man-made disasters

**General Introduction of Administrative Section****Climate and Rainfall :**

| Sl. No. | Month     | Average Rainfall (in mm) | Actual Rainfall (in mm) |
|---------|-----------|--------------------------|-------------------------|
|         | January   | 0.94667                  | 28.4                    |
|         | February  | 3.76000                  | 112.8                   |
|         | March     | 0.67333                  | 20.2                    |
|         | April     | 2.64667                  | 79.4                    |
|         | May       | 9.59333                  | 287.8                   |
|         | June      | 7.30000                  | 219.0                   |
|         | July      | 15.29000                 | 458.7                   |
|         | August    | 20.24667                 | 607.4                   |
|         | September | 5.42000                  | 162.6                   |
|         | October   | 0.51333                  | 15.4                    |
|         | November  | 0.00                     | 0                       |
|         | December  | 0.00                     | 0                       |

**Rain Recording Stations:**

1. Total No. of Rain Recording stations in the Block –
2. Location of Rain Recording stations – It is situated at SARF Kumarganj  
Telephone Numbers of the Rain Recording stations – 9609871264

**Geographical Area (in Hecht.):**

| Sl. No. | Name of the Block | Agricultural Land (ha) |        |      | Grazing land | Forest Land(ha)<br>(Social Forestry) | Water area | Others | Total area |
|---------|-------------------|------------------------|--------|------|--------------|--------------------------------------|------------|--------|------------|
|         |                   | High                   | Medium | Low  |              |                                      |            |        |            |
| 1.      | Kumarganj         | 10.75                  | 16125  | 4300 | 15           | .5                                   | 5          | -      | 22015      |

**Land Holding Pattern: (No. of HH)**

| Sl. No. | Name of the Block | Big Farmers | Marginal farmers | Small Farmers | Agricultural labours | Bargadars | Total |
|---------|-------------------|-------------|------------------|---------------|----------------------|-----------|-------|
| 1.      | Kumarganj         |             |                  |               |                      | 24933     |       |

**Crop Pattern:**

| Sl. No. | Name of the Block | Type of Crops | Area Cultivated (in Hect.) | Area under Crop insurance (in Hect.) |
|---------|-------------------|---------------|----------------------------|--------------------------------------|
|         | Kumarganj         | Aus Paddy     | 50                         |                                      |
|         |                   | Aman Paddy    | 21500                      |                                      |
|         |                   | Boro Paddy    | 4100                       |                                      |
|         |                   | Jute          | 5020                       |                                      |
|         |                   | Mustard       | 2175                       |                                      |
|         |                   | Wheat         | 3600                       |                                      |
|         |                   | Potato        | 1750                       |                                      |
|         |                   | Pulse         | 10                         |                                      |
|         |                   | Musur         | 650                        |                                      |
|         |                   | Motor         | 26                         |                                      |
|         |                   | Khasari       | 360                        |                                      |
|         |                   | Vegetables    | 2000                       |                                      |
|         |                   | Bhadoi        | 20                         |                                      |
|         |                   | Summer        |                            |                                      |
|         |                   | Til           | 7                          |                                      |

## **HAZARD VULNERABILITY, CAPACITY & RISK ASSESSMENT (HVCRA)**

### **INTRODUCTION**

This is the most important part of the plan. Vulnerability assessment deals with the socioeconomic vulnerability, housing vulnerability and environmental vulnerability. Kumarganj Block is exposed to multiple hazards, which may result in disaster. These hazards have been studied further in subsequent chapters to know their possible impact during any disaster. The various hazards that are possible at Kumarganj Block have been broadly categorized as follows.

**Cyclones / Storm Flood Drought Boat capsize Lightening Earthquake Fire / Explosion Epidemic MISCELLANEOUS DISASTERS Road Accident Cyclones/Storms**

Cyclone is a vast violent. Historically it is seen that cyclones are not as severe as and as frequent in this area. Historically, the cyclone is commonly hit the Block in every year also cause of damage of houses, crops and other property every year.

### **Flood**

There are one major river flowing in the Block namely Atrai and one small river namely Ichhamati. Out of these many Kharies and drains also situated and joined with these rivers. River Atrai comes from Bangladesh and flows through 6 Gram Panchayats like as Samjhia, Safanagar, Bhour, Ramkrishnapur, Deor & Mohana. Similarly the Ichhamati River comes from Bangladesh and flows through 3 Gram Panchayats like as Samjhia, Jakhirpur & Mohana. Historically there have been incidences of floods in the low-lying areas along the rivers and Kharies. This Block faces a severe Flood in the year, 2017 and that broke all previous records. Broken the record of massive flood, 20 years back flood continued for 13 long days and as a result, a measure part of the block area, huge quantity of crops area were drowned and cause a huge damage got inundated. Many houses were damaged and 4 no of casualties took place.

One disaster Team formed in the Block and for the Gram Panchayats. The Block have identified the areas vulnerable to flood.

### **Drought**

Drought is a natural hazard that differs from other hazards since it has a slow onset, evolves over months or even years, affects a large spatial extent, and cause little structural damage. Like other hazards, the impacts of drought span economic, environmental and social sectors and can be reduced through mitigation and preparedness. Because droughts are a normal part of climate variability for virtually all regions, it is important to develop plans to deal with these extended periods of water shortage in a timely, systematic manner as they evolve. Drought conditions are due to deficit rainfall and area under sowing.

### **Boat Capsize**

Boat capsize is normally caused by overcrowding. The effects of a boat capsize would be localized and the Block administration may require help from other professional divers to rescue the people. Ferry service is common in the Block and thereby chances of drowning are very high. Chances of boat capsizing are related with monsoon season in this area.

### **Earthquake**

Kumarganj Block faces earthquake but still preparedness is necessary to avoid loss of life and property. In most earthquakes, the collapse of structures like houses, schools, Hospitals and public buildings results in the widespread loss of lives and damage. Earthquake also destroy public infrastructure like roads, dams and bridges, as well as public utilities like power and water Supply installations. Historically there has been some incident of earthquake during last few years but no severe damage occurred.

### **Fire**

Incident of Accidental Fire is took place in every year in this Block. 2 casualties also took place two years ago. House damage, Live stock injury, death and valuable property damage commonly occurred due to fire.

### **Epidemic**

Affecting disproportionately large number individuals within population, community or region at the same time. The epidemic could be due to water- borne diseases like cholera, hepatitis and others like malaria which could affect large number of people and calls for a plan of action by the Block administration. The administration would ensure that necessary steps are taken to control the spreading of disease, and provide medical help to affected persons.

### Road Accident

Road accidents have the highest probability among disasters. There are District roads where there are many buses and other vehicles were running regularly, Motorcycles, Auto, Toto etc. also running through this roads so Road Accident may occur.

The following institutional arrangements have been made to enhance the capacity of the Block administration in the implementation of disaster preparedness & response to the various type of disaster especially recurring disasters. The Block formed a Team consisting of the following members:-

#### Kumarganj Block Disaster Management Committee :

| Sl. No | Name   | Designation       | Address  | Phone Number |           |
|--------|--|-------------------|--|--------------|-----------|
|        |  |                   |  | Office       | Residence |
| 1.     | Smt. Jyotsna Ghosh, Sabhapati, Kumarganj Panchayat Samiti.   | Chairman          | Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur                       | 980012265    |           |
| 2.     | Sri Debdatta Chakraborty B.D.O., Kumarganj Block   | Vice Chairman     | Kumarganj Block.,Gopalganj,D/Dinajpur                                  | 9434054205   |           |
| 3.     | Azad Ali Mondal, Saha-Sabhapati, Kumarganj Panchayat Samiti.   | Member            | Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur                       | 9609895096   |           |
| 4.     | Sri Khem Sundar Mondal, Jt. B.D.O., Kumarganj  | Member            | KumarganjBlock.,Gopalganj, D/Dinajpur                                  | 9434681232   |           |
| 5.     | Smt. Ira Roy, Member, D.Dinajpur Z.P.  | Member            | Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur                       | 9775917480   |           |
| 6.     | Mafizuddin Mondal, Purta Karmadhaksha, DDZP  | Member            | Deor , Dakshin Dianjpur  | 9851409516   |           |
| 6.     | <b>GOLAPI MONDAL (ROY)</b><br>Karmadhyakkshya, Nari-O-Sishu Unnayan, Janakalyan-O-Tran Sthayee Samiti, -Kumarganj-P.S. | W/O-<br>BHOLA ROY | VILL. + P.O. JAKHIRPUR, P.S.- KUMARGANJ, DIST- D/DINAJPUR, PIN- 733141 | 9679434923   |           |
| 7.     | Smt. Shephali Roy PS Member  | Member            | Kumarganj Panchayat Samiti Gopalganj,D/Dinajpur                        | 9800122655   |           |
| 8.     | Sri Uma Roy , Karmadhaksha, Janasastha, -Kumarganj P.S..   | Member            | Kumarganj Panchayat Samiti Gopalganj,D/Dinajpur                        | 6297726814   |           |
| 9.     | Pushpendu Bhattacharya BMOH/ Medical Officer,Kumarganj BPHC  | Member            | Barahar(Mohipur),D/Dinajpur  | 9830330457   |           |
| 10.    | Sri Sanjoy Mukharjee, Officer-in-Charge, Police Station  | Member            | Kumarganj Police Station, Kumarganj, D/Dinajpur                        |              |           |
| 11.    | Station Manager. -Kumarganj Gr. Electric Supply.   | Member            | Barahar (Mohipur),Dakahin Dinajpur                                     |              |           |
| 12.    | Junior Telecom Officer, Kumarganj  | Member            | Gopalganj,D/Dinajpur   |              |           |
| 13.    | Mihir Kr. Ghosh, Block Live-Stock Dev. Officer, Kumarganj Block  | Member            | Gopalganj,D/Dinajpur   | 7001809926   |           |
| 14.    | Partha Sarathi Nag, -, Veterinary Surgeon, Kumarganj Block   | Member            | Gopalganj,D/Dinajpur   |              |           |
| 15.    | Sub-Asstt. Engineer-in-Charge, Sri Benoy Biswas, PHE   | Member            | Kumarganj Block.,Gopalganj,D/Dinajpur                                  | 9434246954   |           |
| 16.    | Inspector, Food & Supply, Kumarganj Block  | Member            | KumarganjBlock.,Gopalganj, D/Dinajpur                                  | 9434715916   |           |
| 17.    | Anwarul Islam Additional Director of Agriculture,Kumarganj   | Member            | ADA Office Barahar (Mohipur),Dakahin Dinajpur                          | 9733206768   |           |
| 18.    | Saber Ali Mondal , Krishi Karmadhasha , Kumarganj P.S.   | Member            | Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur                       | 9647722490   |           |
| 19.    | Sibaji Tudu, Karmadhasha,Siksha,   | Member            | Kumarganj Panchayat  | 8016480281   |           |

|     |   |                     |  |            |  |
|-----|---|---------------------|--|------------|--|
|     | Kumarganj P.S.  |                     | Samiti.,Gopalganj,D/Dinajpur           |            |  |
| 20  | Sectional Officer, Irrigation   | Member              | Barahar (Mohipur),D/Dinajpur           |            |  |
| 21. | Sri Ullash Bhattejee, Block Disaster Management Officer in Charge, -Kumarganj Block | Member-<br>Convenor | Kumarganj Block, Gopalganj, D/Dinajpur | 9614281913 |  |

#### Overview of the Block :

Location: Location of Kumarganj Block at Vill Chakramroy, P.O. Gopalganj Dist. D. Dinajpur, P.S. – Kumarganj Area and Administrative Division: Vill Chakramroy, P.O. Gopalganj Dist. D. Dinajpur, P.S. – Kumarganj under Balurghat Sadar Sub-division.

#### 3.2 Powers and Functions of Block Authority:-

The Block Authority shall act as the district planning; coordinating and implementing body for disaster management and take all measures for the disaster management in the district in accordance with the guidelines laid down by the National Authority as the State Authority.

- ☐ Coordinate and monitor the implementation of the National policy, state policy, National plan, State plan and District plan.
- ☐ Ensure that the areas in the Block vulnerable to disasters are identified and measures for the prevention of disasters and the mitigation of its effects are undertaken by the departments of Government at the Block level as well as by local authorities.
- ☐ Ensure that the guidelines for prevention of disasters, mitigation of its effects, preparedness and response measures as laid down by the national authority are followed by the all departments of government at the district level and the local authorities in the district;
- ☐ Give direction to the different authorities at the district level and to local authorities to take such other measures for the prevention or mitigation of disasters as may be necessary;
- ☐ Lay down guidelines for prevention of disaster management plans by the department of the Government at the district level for purpose of integration of measures for prevention of disasters and mitigation in their development plans and project and provide necessary technical assistance thereof ;
- ☐ Monitor the implementation of the work.
- ☐ Review the state of capabilities for responding to any disaster of threatening disaster situation in the Block and give direction to the relevant departments or authorities at the Block level for their up gradation and may be necessary.
- ☐ Review the preparedness measures, and liaison with concerned departments at Block level or other concerned authorities where necessary for bringing the preparedness measures to the levels required for responding effectively to any disaster or threatening disaster situation.
- ☐ Organize and coordinate specialized training programmers for different levels of officers, employees and voluntary rescue workers in the Block.
- ☐ Facilitate community training and awareness programmers for prevention of disaster and mitigation with the support of local authorities, governmental and nongovernmental organization.
- ☐ Setup, maintain, review and upgrade the mechanism for early warning and dissemination of proper information to public.
- ☐ Prepare, review and update Block level response plan and guidelines.
- ☐ Coordinate response to any threatening disaster situation or disaster.
- ☐ Ensure that the departments of the Government at the Block level and local authorities and prepare their response plan in accordance with the district response plan.
- ☐ Advise, assist and coordinate the activities of the Department of the Government at the Block level, statutory bodies and other governmental and non-governmental organizations in the Block engaged in the disaster management;
- ☐ Coordinate with and give guidelines to ensure that measures for the prevention or mitigation of threatening disaster situation or disaster in the Block are carried out promptly and effectively.
- ☐ Provide necessary technical assistance



- ☐ Review development plans prepared by the departments of the Government at the statutory authorities or local authorities with a view to manage necessary provisions there in for prevention of disaster or mitigation.
- ☐ Examine construction in any area in the Block and, if it is opinion that the standards for prevention of disaster or mitigation laid down for such construction is not being or has been not followed, may direct the concern authority to take such action as may necessary to secure compliance of such standards;
- ☐ Identify building and places which could, in the event of any threatening disaster situation or disaster be used as relief centers or campus and make arrangements for water supply and sanitation in such building or places.
- ☐ Establish stockpiles of relief and rescue materials or ensure preparedness to manage such materials available at the short notice.
- ☐ Provide information to the state authority relating to different aspects of disaster management;
- ☐ Encourage the involvement of non-governmental organization and voluntary social welfare institution working at the grassroots level in the district disaster management;
- ☐ Ensure communication system are in order, and disaster management drills carried out periodically;
- ☐ Perform such other function as the State Government or State authority to assign to it or as it deems necessary for disaster management in the Block.

## **Prevention & Mitigation Measures**

### **Disaster Mitigation Measures:**

An effective mitigation planning is necessary to reduce the risk involved with natural calamity. For efficient disaster mitigation, the pre-disaster phase needs to be utilized for planning and implementing preventive measures on the one hand and working on preparedness activities on the other. Disaster is caused due to failure of manmade structures, lack of preparedness and awareness. So far, disaster mitigation efforts are mostly reactive.

### **Mitigation Measures:**

Mitigation embraces all measures taken to reduce both the effect of the hazard itself and the vulnerable conditions to it in order to reduce the scale of a future disaster. Mitigation aims to reducing the physical, economic and to threats and the underlying causes for the vulnerability.

### **Structural Mitigation Measures:**

Building should be strictly confirm to the building bye laws. For an existing building, retrofitting or seismic strengthening is the only solution to make it Disaster resistant. In the Block all life line buildings such as hospitals, schools, Block Administration office and the vital installation shall be retrofitted. A panel of expert shall be approached for assessing the structure and to suggest the type of retrofitting required. Illegal construction, encroachments, unapproved additions, alternations etc of residential building and conversion of residential building in to commercial purpose etc shall be checked by the concerned authorities with strict measures. Theses unauthorized activities may lead to disaster in that particular urban area mitigation measures to be in the district implementation of DM Policy.

- ☐ Strengthening of life line buildings.
- ☐ Retrofitting of school and life line buildings.
- ☐ Preparation of DM Plan at the district, Block and Village level, all schools in the district.
- ☐ Prepare a DM plan

### **Capacity Building and awareness generation**

Country have a very few experts in mitigation planning. We must focus our attention to the institutionally and manpower development at all levels. There is a need to train architects, engineers, planners and masons in developing safe housing and infrastructure facilities. Manuals have also been developed outlining methodologies for new constructions and retrofitting of old ones. A strong legal and enforcement framework with appropriate incentives and punitive measures is required together with awareness programs for general public. All these components must be taken up simultaneously; ignoring one aspect for the other could be counterproductive.

## **Pre-Disaster Period:**

### **Preparation Objectives Action initiated by**

Convening Block Level Committee on natural calamity in the month of May. To suggest the list of relief works to be undertaken, advise on the precautionary measures to be taken, directions for stocking of food grains in strategic or key points.

Block Emergency Operation Center, Identification of vulnerable points according to the expected disaster. Repairing of Embankments, stocking of the sand bags, alerting people near highly vulnerable pockets, engineers Identification & Indent of essential commodities for the inaccessible scarcity pockets Stocking of food grains and other essential things in GP headquarters Selection of Shelters Arrangements for shelter during emergency requirement of medicines, formation of mobile teams, identifying epidemic areas, Stocking of medicines and deputation of personals.

Arrangement of food and fodder for the cattle, Stocking of the same, Organizing Mock drills Awareness generation.

### **Immediate pre disaster:**

#### **Preparation Objectives Action initiated by**

Receipt of information From IMD/SRC control room / DEOC Dissemination of information from DEOC to all Cos / line depts. Immediate setting and operational of control room round the clock Rescue and evacuation o evacuate vulnerable people to identified shelters and logistic arrangements Civil defense unit, police personals, armed forces, fire officers, red-cross team ready with rescue kits which are to be made available to them through the DEOC arrangement of free kitchen To provide immediate feeding BDOs/CDPOs/NGOs to the evacuated people Sanitation and medicines To prevent epidemics and infections.

Engineer of PHED / Civil Surgeon Ensuring transportation of relief materials to affected pockets to ensure that the relief materials reach in time to the affected people. Ensuring safety of life and belongings. to prevent anti-social activities SP/DSP/Inspector and SI of the affected block/NGOs Ensuring availability of safe drinking water, provision of health facilities and minimum sanitation, to check the onset of epidemics, Meeting of field level officers in every 24 hours to review the situation, Better co-ordination , Collection of information and daily reporting to concerned officers, linkage between field and district control room.

Core group of Officers of line departments, Estimation of number of vehicles – Light /Medium / Heavy to ensure smooth transportation for relief works.

Arrangement of trucks loaded with generators to move to the field immediately after the disaster is over.

### **Post Disaster:**

#### **Preparation Objective Action Initiated by**

Distribution of relief as per provisions to provide food and other essential commodities for survival BDOs, Eos, NGOs Assessment of Damage To ascertain the exact loss for reporting to the govt. All line depts., engineers, monitoring the relief operations organized by external. Agencies / UN agencies/ Red Cross / NGOs /Others etc.

#### **Restoration of communication**

– Roads -

For timely and Prompt delivery/transportation of relief articles/deployment of rescue teams, Engineers ,police restoration of electronic communication system to ensure proper co-ordination linkage BSNL Technocrats of police signals, Immediate arrangement of free kitchen for the effected people to avoid starvation. Documentation of the entire event-Written, Audio, Video for reporting purposes and institutional memory BDO/ Jt. BDO

Monitoring To review the relief works and remove the bottlenecks

### **Measures to be Taken - NATURAL DISASTERS**

The natural disasters have widespread damage potential and may or may not come with pre warning. Hence the Block Disaster Management Plan should be immediately activated to ensure minimum loss of life and property.

#### **Cyclone / Storm**

**Functioning of Control Rooms:**

- ☐ From the start of June, the control Room will be operational 24X7 at the Block.
- ☐ During normal time control room should monitor the preparedness activities during pre-disaster, disaster & post disaster, dissemination of early warning on cyclone situation received from Authorities.
- ☐ Ensuring initiation of implementation of public health measures, monitoring trend of diseases and cope with any situation arising out of disaster.
- ☐ The line list of district RRT & block RRT with mobile No. of key nodal persons in the cut of areas should be available at district level.

**Preliminary Actions on alert signal from meteorological department:**

- ☐ Identification of likely affected areas
- ☐ Entire Kumarganj Block areas are likely to be affected by cyclone
- ☐ After receiving alert from competent authority, broadcast the information about cyclone strike on Radio, TV channels and loud speakers mounted on police jeeps. Contact Police department and instruct them to inform general public in their respective areas (beats).
- ☐ Move people from high risk areas to identified assembly points in lower risk areas.
- ☐ Arrange food, water and medicine.

**Casualty Services & Contingency Plan for Medical Relief Centre:-**

- ☐ During disasters arrangements should be made to provide casualty services 24X7 at all health institutions.
- ☐ Contingency plan to open medical relief centers (MRC) at strategic places to be planned in advance. Those centers should be located at strategic places, so that they can render services to disadvantaged population where existing infrastructures are likely to be ineffective.
- ☐ State experiences disasters/cyclone/epidemic each year, the contingency planning should be made in such a way that we need not do the same plan each year & people should be made aware about the plan.
- ☐ Mobile Medical team should render the services regularly to displaced persons at their place of shelter and in marooned villages.
- ☐ Steps may be taken to make the people aware about the availability of services of 108 ambulances in the districts where ever it is available

**Calling off emergency**

- ☐ Contact Meteorological Department and confirm that cyclone risk is over.
- ☐ Have teleconferencing / meeting with Head of fire dept, Head of the District Electric Supply Board, and take stock of the situation.
- ☐ Instruct the Electric Supply Board to resume power supply safely region by region and give feedback.
- ☐ Broadcast / telecast "all clear" on radio / TV respectively.

**Before Disaster During Disaster After Disaster**

- ☐ Cyclone alert and warning at least 48 hours and 24 hours respectively before the commencement of the bad weather
- ☐ Ensure that all critical activities in areas likely to be affected are shutdown
- ☐ Setting up of field hospitals in the affected areas and deployment of mobile hospitals
- ☐ Mobilization of specialized equipment and machinery to affected areas
- ☐ Arrangement for food, clothing, blanket / bedding, drinking water, sanitation and hygiene, lighting arrangements and essential medicines
- ☐ Creation / Retrofitting of structures – including roads, bridges that may have been destroyed/ damaged due to the disaster.
- ☐ Special attention to ladies, children and elders
- ☐ Arrangements for distribution of gratuitous relief and cash doles

**Flood**

Floods are natural calamities that have the potential to cause widespread damage to human beings and property. Flood planning is perhaps the best protection against flood damage. Floods occur after a pre-warning, enabling advance action.

**Some of the important pre-actions are:**

- ☐ On receiving the flood alert information, the D.C. should issue a flood alert to all the police Thanas (stations).

- ☐ The concerned officials should be asked to immediately appraise the people living in the low level areas about the possibility of flood.
- ☐ Notify and inform general public about flood situation through radio broadcast or over local cable TV network.
- ☐ Additional District Magistrate should co-ordinate with the Chief Medical Officer, DHO, Chief Medical Superintendent-District Hospital, as well as Rural Development Officers along with the District Inspector of Schools.
- ☐ Ensure that the complete evacuation of the locality / village in low-lying areas has taken place.
- ☐ The responsible persons to ensure that the relief centers have the basic amenities to prevent spread of diseases as well as give first aid to the injured at the relief centre.

**Main actions during flood should be:**

- ☐ In the event of a flood / inundation due to incessant rains it should be ensured that the roads leading to the areas where the water accumulation is possible are completely cordoned off.
- ☐ All the entry points i.e. road entry points from the National Highway, should have names of villages and the areas which are inundated.
- ☐ In the event of flood or damage due to heavy rains the traffic suspension signal should be passed on to the neighboring Blocks.
- ☐ The information should be relayed well in advance in order to prevent jamming of the road in any section of the National Highway / District Road.
- ☐ Apart from the road network being affected it is also likely that the train traffic could also get affected. In the event of the same, it should be ensured that information pertaining to the flood or damage to the bridge or inundation on the tracks alert should be relayed to the Divisional Railway Manager.
- ☐ Cut off electrical supply to prevent electrocution
- ☐ Establish contact with the ECR for up-to-date status.

**Post Flood actions include:**

- ☐ Clearing of debris and carcasses of animals and dispose suitably, to prevent outbreak of epidemic.
- ☐ Re-establish communication link and other services like electricity, transport.
- ☐ Vaccination to persons against water borne disease.
- ☐ Inspect all road and rail bridges for worthiness before opening the same for general public.
- ☐ The railways should inspect the railway lines for their worthiness and for the relief trains to pass.

**What should I do? What supplies do I need? What do I do after a flood?**

1. Listen to area radio and television stations for possible flood warnings and reports of flooding in progress or other critical information from the IMD.
2. Be prepared to evacuate at a moment's notice.
3. When a flood or flash flood warning is issued for your area, head for higher ground and stay there. Stay away from floodwaters.
  1. Water at least a 3-day supply one gallon per person per day
  2. Food at least a 3-day supply of nonperishable, easy-to-prepare food
  3. Flashlight Battery-powered or hand-crank radio Extra batteries
  4. First aid kit
  5. Medications (7-day supply) and medical items (hearing aids with extra batteries,
1. Return home only when officials have declared the area safe.
2. Before entering your home, look outside for loose power lines, damaged gas lines, foundation cracks or other damage.
3. Parts of your home may be collapsed or damaged. Approach entrances carefully. See if porch roofs and overhangs have all their supports.
4. Watch out for wild animals, If you come upon a flowing stream where water is above your ankles, stop, turn around and go another way. Six inches of swiftly moving water can sweep you off of your feet.
4. If you come upon a flooded road while driving, turn around and go another way. If you are caught on flooded road and waters are rising rapidly around you, get out of the car quickly and move to higher ground. Most cars can be swept away by less than two feet of moving water.
5. Keep children out of the water. They are curious and often lack judgment about running water or contaminated water.
6. Be especially cautious at night when it is harder to recognize flood danger. (glasses, contact lenses, syringes, cane)

6. Sanitation and personal hygiene items
7. Copies of personal documents (medication list and pertinent medical information, deed/lease to home, birth certificates, insurance policies)
8. Cell phone with chargers
9. Family and emergency contact information
10. Extra cash
11. Emergency blanket
12. Map(s) of the area
13. Baby supplies (bottles, formula, baby food, diapers) Extra set of car keys and house keys Extra clothing, hat and sturdy shoes especially poisonous snakes that may have come into your home with the floodwater.
5. If you smell natural or propane gas or Hear a hissing noise, leave immediately and call the fire department.
6. If power lines are down outside your Home, do not step in puddles or standing water.
7. Keep children and pets away from hazardous sites and floodwater.
8. During cleanup, wear protective clothing, Including rubber gloves and rubber boots.
9. Do not use water that could be Contaminated to wash dishes, brush teeth, prepare food, wash hands, make ice or make baby formula.
10. Contact your local or state public health department for specific recommendations for boiling or treating water in your area after a disaster as water may be Contaminated.

### **Drinking Water**

- ☐ There should not be shortage of drinking water
- ☐ Drilling rigs should be deployed over drought affected areas for digging adequate no. of wells at strategic points.
- ☐ Tankers with potable water should be deployed to the affected rural areas making 3-4 rounds during the day.
- ☐ Installation and repairing of Hand Pumps

### **Contingency Crop Plans**

- ☐ Choosing suitable crops/crop varieties
- ☐ Alternative crop strategies
- ☐ Agriculture Officer should seek out contingency plan from the Ministry of Agriculture and provide awareness to the farmers.

### **Livestock Management**

- ☐ Herds of sheep and goats recover fast, but cattle, buffaloes etc. grow slowly in numbers
- ☐ Department of Animal Husbandry should ensure the provision of adequate fodder for protection of livestock
- ☐ Farmers can use sugarcane husk, sunflower heads, groundnut/red gram/green gram etc. as cattle feed

### **Drought Proofing:**

- ☐ Harvest rain, involve communities, move from 'drought management' to 'monsoon Management'.
- ☐ Building of dams and irrigation systems
- ☐ Revive and strengthen traditional knowledge in water harvesting and conservation if possible.
- ☐ If the runoffs of forest areas, mountains and other uninhabited terrain can be harvested, the potential for rainwater harvesting is enormous.
- ☐ Making available adequate no. of tanks/ponds in villages for recharging ground water
- ☐ Village scale water harvesting must be put higher priority as running water gets lost in a huge amount due to evaporation, infiltration into soil etc.
- ☐ A large no. of micro catchments (E.g. 0.1 hectare) provide larger amount of rainwater harvested than a larger catchment though the land area remains the same.

### **Drought Measures**

- ☐ Strengthening of long range, medium range and short range forecasting of monsoon by IMD at Meteorological Sub-Division, District and PS level.
- ☐ Artificial recharging of ground water, watershed program in privately owned small/marginal farms, laying of pipes/channels for exclusive transportation of water to dry areas.
- ☐ Program for reconstruction and preservation of traditional water harvesting structures, construction of canals for transportation of water from surplus to non-surplus areas, establishment of cost-effective drip /sprinkle irrigation practices etc.

☐ Ensuring provision of medicines and critical health care in the risk prone areas during drought for humans and animals.

#### **Before Disaster During Disaster After Disaster**

- ☐ Dams/reservoirs and wetlands to store water
- ☐ Ensuring prompt availability of food grains and fodder
- ☐ Improvement in agriculture through modifying cropping patterns and introducing ware houses and cold storages for preservation / storage of food grains
- ☐ Water rationing
- ☐ Proper selection of crop for drought affected areas
- ☐ Watershed management
- ☐ Education and training to the people
- ☐ Participatory community programs
- ☐ Reducing deforestation and fire-wood cutting in the affected areas
- ☐ Ensure availability of drinking water and water needed for basic needs
- ☐ Mobilize Block level plans in terms of releasing additional funds to improve irrigation
- ☐ Ensuring prompt supply of inputs like seeds, fertilizers and credit drought-resistant varieties of crops
- ☐ Animal husbandry activities can help in mitigation with use of improved and scientific methods
- ☐ Arrangements for distribution of gratuitous relief and cash doles.

#### **Earthquake**

Earthquakes present unique problems as they upset the complete infrastructure necessary for rescue and restoration of normalcy. For example, it could prevent emergency personnel from reaching victims, it increases the risk of fire and electrical shock, could result in complete failure of the telephone and other communication systems, disruption of water supply for firefighting. Deployment of ambulances from evacuating victims, fire personnel from reaching the fire affected areas, result in major structural debris causing secondary damage and most importantly, could affect the entire emergency organization that is geared up for handling emergencies. The main actions for earthquake incidents include preventive (pre-incident), during incident and post incident actions. Each earthquake, depending upon its intensity and it would have different extent of damage.

#### **Some of the pre-actions that are important include:**

- ☐ Basic earthquake related training to staff (behavior during earthquake, how to recognize, dos and don'ts)
- ☐ As blackout is possible, a kit containing flashlights, portable radio, basic tools, should be available for emergency.
- ☐ Basic precautions such as sitting away from wall hanging items, bolting of almirahs to the wall rather than loosely lying cupboards, pasting tape to the glasses to avoid excessive shattering.
- ☐ Application of science and technology and engineering inputs to improve building design, construction and sitting
- ☐ Conducting extensive public awareness program and dissemination of information about risks, preparedness and mitigation measures
- ☐ Installing devices that will keep breakages in electrical lines and gas mains from producing fires

#### **Actions immediately after tremors**

Actions during an earthquake would depend upon the severity of the quake and the extent of damage-however, the basic steps for safeguarding life safety (top most criterion) include: Activation of the fire orders, for fires are likely in case of major earthquakes. Pipelines would be expected to rupture as also storage tanks - this would result in a large-scale spillage and possible fires. The fire fighting system is likely to be incapacitated. In addition, power supply may be (most likely) cut off.

#### **For general public, important instructions should include:**

- ☐ Get under a heavy table or desk and hold on, or sit or stand against an inside wall if inside the building and if unable to come out. If possible to come out without difficulty, assemble outside the building to avoid fatality due to structural collapse.
- ☐ Keep away from windows as these may shatter/crack resulting in possible injury.
- ☐ If outdoors, stay away from tall objects (lighting poles, pipe racks, structural roofs) falling debris, trees and power lines.
- ☐ Tanker Trucks drivers should drive to a clear spot and stay in the vehicle.

## **Post-earthquake actions**

Post-earthquake actions are extremely important and these include:

- ☐ Clean up of the debris and rescue of people who are alive
  - ☐ Making arrangement for the Morgue
  - ☐ Sitting in the open area where the tents can be put up
  - ☐ Expect aftershocks. They are just as serious as the main earthquake.
  - ☐ Put on shoes to protect from broken glass, chappals are to be avoided at any cost.
  - ☐ Check for casualties and fires (secondary fires could be raging).
  - ☐ Use a flash light to inspect for damage.
  - ☐ Do not go into damaged areas unless specifically trained to do so.
  - ☐ Do not use telephones except in emergencies.
  - ☐ Do not use vehicles except in emergencies.
  - ☐ Use a portable radio for obtaining information
  - ☐ Assist in rescue of co-workers and other persons who could be present at the installation as per the Fire Orders.
  - ☐ Restoration of basic infrastructure facilities, for example, power stations etc.
  - ☐ Identify the trauma cases and counsel them appropriately
  - ☐ Special attention to ladies, children and elders
  - ☐ Arrangements for distribution of gratuitous relief and cash doles
  - ☐ Identification and demolition of dangerous structures in the affected areas to minimize further loss of life and injuries
- Bulletins / Actions mapped to NDMA Guidelines

## **SOP – Public Response and Threat Levels in Bulletins**

### **Lightening:**

Lightening is a natural phenomenon of the Block. Every year people as well as cattle die due to the lighting. Therefore the proper measure needs to be taken to reduce the death toll. Few Tips to survive lightning:

- ☐ If you are in a building it is advisable to stay inside. Stay away from windows, doors, fireplaces, stoves, metal pipes, sinks and other electrical charge conductors.
- ☐ Unplug TVs, radios and other electrical appliances.
- ☐ Don't use the phone or other electrical equipment.

## **SOP – Public Response and Threat Levels in Bulletins**

- ☐ If you are outside, seek shelter in a building, cave or depressed area. Lightning typically strikes the tallest item in an area.
- ☐ If you're caught in the open, bend down with your feet close together and your head down. Don't lie flat - by minimizing your contact with the ground you reduce the risk of being electrocuted by a ground charge.
- ☐ Get off bicycles, motorcycles, and tractors.
- ☐ If you are in a car, stop the car and stay in it. Don't stop near trees or power lines that could fall.

### **Before Disaster During Disaster After Disaster**

- ☐ Installation of an effective lightning rod system
- ☐ Staying inside for at least 30 minutes after the last strike
- ☐ Seeking shelter in a low area and staying away from trees while being caught up in an open area
- ☐ Staying away from metal objects and tall objects, such as telephone poles, light standards, antennas and tall trees
- ☐ Staying away from water sources like swimming pool, ponds, lakes or rivers
- ☐ Mobilization of specialized equipment and machinery to affected areas
- ☐ Arrangements to be made for quick transportation of injured victims to the hospitals
- ☐ Arrangements for distribution of gratuitous relief and cash doles

### **Do's and Don'ts during Lightning**

- ☐ If caught on high ground or in an open area, seek shelter in a low area and stay away from trees.
- ☐ If you are swimming, get out of the water immediately, and move away from the body of water. Being near water is extremely dangerous during a lightning storm.
- ☐ If you are caught in a lightning storm with a group of people, maintain a distance of at least 50-100 feet between each person.
- ☐ While inside, keep windows closed, and try to stay within inner rooms of the structure

- ☐ In a car, try to avoid touching any part of the metal frame or the car's glass.
- ☐ Stay inside at least 30 minutes after the last strike. Don't go out if the rain starts letting up.

### **Fire / Explosion**

Leakage of LPG from storages or tankers and subsequent fire / explosion can cause widespread damage. Emergency response action for tackling LPG leaks is given below.

- ☐ Leaks from LPG storages, tankers, will initiate a vapour cloud. Therefore, in case of release of large quantity of flammable vapour, immediate effort should be directed to eliminate source of ignition. In such event, eliminate all sources of ignition i.e. open flames, welding, cutting, operation etc.
- ☐ If possible, isolate the vessel involved in the incident.
- ☐ Direct or disperse the vapor cloud away from such sources by means of fixed and/or mobile water sprays or by water fog arrangement.
- ☐ If ignition does occur, there are chances of flash back to the source of leak.
- ☐ In such a case it may be safer to allow the fire to burn out while protecting surroundings by copious cooling water rather than to extinguish the fire and risk a further vapor cloud which may result in explosion or flash back on encountering ignition source again. Leakages from road tankers will result into unconfined pool. Emergency response actions for tackling such leaks are given below.
- ☐ A liquid spillage on land from tank or pipeline ruptures may be in large quantities and will generally be contained in bonded areas or culverts. The ignition of the ensuing vapor cloud would then result in a pool fire.
- ☐ If possible, isolate the vessel involved in the incident.
- ☐ Fire fighting operation should be carried from upwind direction.
- ☐ Cool surrounding area exposed to heat radiation or flame impingement, with water in order to prevent secondary fire. It is suggested that fire fighters should maintain safe distances from fire ( $4 \text{ kW/m}^2$  distances given in chapter 3).
- ☐ The bunds or dykes are provided around the storage tanks storing flammable materials to limit the size of any pool fires. The storage tanks containing Class 'A' products are normally provided high expansion foam pouring arrangement to control the rate of burning. This is to be activated in the event of a fire.
- ☐ If there is no fire, arrangement should be made to pump out / transfer spilled material to safer place e.g. into another tank or tankers.

### **Before Disaster During Disaster Post Disaster**

- ☐ To familiarize professionals like fire fighters, medical personnel with special tactics and hazards, and enabling them to test their part of the plan
- ☐ To review the total plan, including communications and logistics, so that updating modifying and training activities can be improved
- ☐ Control emergency by arresting leakages, spillage, fighting fire, shutting off the valves and / or equipment etc. by utilizing the combat team
- ☐ Take measures to preserve the property and minimize damage to environment and loss of material by segregation, covering, salvaging and diverting fire as required
- ☐ Take care of the surrounding areas to reduce the 'domino effect'
- ☐ Nullifying the sources of leak / toxic release
- ☐ To ensure that law and order is maintained at evacuation/ relief centers and in the affected areas as well
- ☐ Identify the trauma cases and counsel them appropriately
- ☐ Identify and characterize the source and its origin
- ☐ Arrangements for distribution of gratuitous relief and cash doles
- ☐ Special attention to ladies, children and elders

### **Boat capsize**

In the event of boat cap size, following action plan is to be activated.

- ☐ On receipt of information on boat capsize incident, inform home guard or NMPT to mobilize their teams to carry out search operation.
- ☐ Identify the spot of accident and direct rescue team there. This operation may require under water cameras for locating drowned people.
- ☐ Rescue team should consist of divers, swimmers, and should have rescue equipment I.e. life buoy, divers' kit, medical first aid kit.
- ☐ Besides this, the rescue boat should be equipped with communication equipment.



- ☐ Doctor /first-aiders should provide first aid to victims.

### **Epidemic**

The Block Medical Officer is the overall in charge of prevention and control of outbreak of any epidemic in the district in addition to his normal duties. TB Officer (with additional charge of AIDS prevention and control) assists him in the above task. Malaria, Filaria, Lymphofyrosis, Dengi fever are the common diseases in the district which could assume epidemic levels if not controlled in time. However outbreak of Cholera and other water borne diseases cannot be ruled out especially in the aftermath of a major flood in the district. On detection of outbreak of any epidemic in the district, the administration should investigate the root cause of the epidemic and initiate the action to mitigate the same as follows:

- ☐ The people affected should be immediately shifted to hospitals for medical attention and kept isolated to prevent spread of disease.
- ☐ Additional medical help/ medicines may be mobilized from neighboring districts.
- ☐ Vaccination should be given to all unaffected persons and the general public should be educated about the precautionary steps to be taken against the prevailing epidemic.
- ☐ Steps should be taken to decontaminate the source of epidemic like water bodies (lake, wells etc.).
- ☐ There should be proper temporary morgue arrangement for safe preservation and disposal of corpses of persons died of epidemic.
- ☐ Clean up drive should be taken in the affected area as filth is the major source of contamination.
- ☐ Depending on prevailing situations, the administration should take action to close all the road side eateries/ food stalls and advise them to destroy all stale food. Strict control should be exercised on the licensed restaurants.
- ☐ Decision may be taken to close down all schools, colleges and other places of mass congregation like cinema halls etc.

### **Cattle Disease**

Cattle epidemic like foot and mouth disease is highly contagious and may affect large cattle population. Hence effective emergency planning is required to control such an event.

- ☐ On getting intimation, send a team of veterinary doctors and experts to the affected area for investigation and assessment of the situation.
- ☐ Stop sale of milk and meat from all outlets. Instruct people to dispose off unused stock of milk & meat at home.
- ☐ On investigation by the expert team, following may be considered:
  - ☐ Quarantining of the affected animals.
  - ☐ Making arrangement for treating the affected animals.
  - ☐ Vaccinating them, if applicable to the disease.
  - ☐ Implementation of virus spread control program.
  - ☐ Elimination of affected livestock.
  - ☐ Disposal of carcasses.

### **Food Poisoning**

Food poisoning is a probable phenomenon in religious or social functions where there is mass feeding of people by setting up of temporary or make shift community kitchens. This problem is mainly due to use of sub-standard materials and the unhygienic conditions in which the food is prepared. On receipt of the information of the food poisoning in the district, the district administration should take following actions to instill confidence in the people

- ☐ Rush the food inspectors to the place of food poisoning for collection of sample and sealing of the kitchen.
- ☐ Identify the source of food poisoning and destroy the remaining stock of the contaminated food.
- ☐ Rush the affected persons to nearest hospitals for first aid / medical treatment.
- ☐ Additional medical / Para-medical personnel and additional stock of essential medicines may be mobilized from various hospitals to meet the increased demand.
- ☐ Proper information should be passed on to general public using various means of communication to prevent spread of rumors, which may result in panic situation.
- ☐ Take preventive measures to avoid re-occurrence of such food poisoning in future.
- ☐ There should be proper control over quality control (by way of sampling / analysis or by tasting) of food samples before they are fed to masses.

## **CAPACITY BUILDING AND TRAINING MEASURES**

### **Training:**

One of the main features of the District Disaster Management Plan is the training to all the personnel identified in the emergency organization as well as bringing about awareness in the general public who may be affected by any disaster. The functional responsibilities of various key personnel as well as functions in the emergency organization has been defined in the earlier chapters which describe the policies, procedures and roles before, during and after an emergency. They should be sufficient to cope with any unforeseen emergency. The following functional aspects have to be included in a training program.

- ☐ Initial Notification
- ☐ Communication
- ☐ Public Alert and Warning
- ☐ Fire and Rescue Services
- ☐ Emergency Public Information
- ☐ Evacuation
- ☐ Protective Shelter
- ☐ Enforcement of Law and order (Police Services)
- ☐ Public Works and Resource Services
- ☐ Recovery / Re-entry

### **Emergency response Training:**

Extensive planning will be effective only if people are properly trained in all aspects of the plan, the role in its implementation, and how the tasks are to be co-ordinate. The development and conduct of a training program for the emergency organization is vital to emergency preparedness. Emergency response teams and medical personnel must all be trained. Classroom type lectures, demonstrations, and participation in exercises that test the adequacy of the plan are essential to maintenance of a well-prepared team of emergency response personnel. To minimize the extent of the training needed, the emergency organization position has been developed so as to keep the emergency duties parallel to the individual's day-to-day responsibilities wherever possible. Initially, the in charge of emergency services like the Fire Chief or Police Chief would be the head of the first responder organization. However, as the full emergency response organization is deployed, the responsibility and function of the Emergency Management Co-coordinator is transferred to the Deputy Commissioner of the district. It is the responsibility of the district administration to identify the training needs of the various members of the emergency organization. It is best achieved by comparing the normal duty of the person and the duties he is expected to carry out during any emergency.

One weakness common to many training programs is the inadequate attention paid to personnel changes in the emergency organization through local transfers and new appointments and transfer of personnel. Training for volunteer emergency responders like Home guards and other social service organization also presents more difficulties than for paid full-time emergency workers, because of the time restrictions and lack of funds.

The goals of any training program are to ensure that participants obtain a thorough understanding of their plans and procedures, and develop the leadership and communication skills necessary for confident decision making during stressful situations.

A well-developed and coordinated training program is required. Co-ordination of training programs conducted by corporate, plant, local, and possibly State organization is recommended, to avoid costly duplication of effort. The frequency of emergency response personnel training greatly influences the capability to respond during a test or actual emergency. The main elements of a good training program are:

- ☐ The development of training program goals.
- ☐ The identification of target (common) training groups
- ☐ The establishment of group-specific, task-oriented training objectives
- ☐ The preparation of student training manuals and visual aids.
- ☐ The preparation of individual lesson plans, including hands-on experience, if appropriate.
- ☐ The establishment of a training schedule.
- ☐ The evaluation and correction of the training program.

A good training program provides initial training for all tasks, it should provide periodic refresher training for those who have been given the initial training, and also should provide for the training of new personnel who may be inducted from time to time

### **Community Awareness and Community Preparedness Planning:**

The hazard analysis of the district indicates that there is a high need of community awareness through public awareness programs on the following themes of disaster:

- ☐ Types of disasters and basic do's and don'ts related to those disasters
- ☐ Post disaster epidemic problems
- ☐ Construction and retrofitting techniques for disaster resistant buildings
- ☐ Communication of possible risk based vulnerable areas in the district
- ☐ Evacuation related schemes and community preparedness problems

Volunteers and social organizations also play a vital role in spreading mass scale community awareness. Media can also play an important role in raising awareness and educating people. Community Disaster Management Planning is one of the vital components of community preparedness. It involves all important parameters related to hazard awareness, evacuation planning, resource inventory, community level taskforces and committees etc which helps community members in organizing themselves to combat disaster in a pre planned manner. Preparation of community plans encourages promotes preparedness planning at community level.

### **Conducting of Mock Drills:**

As per Section 30 (2) (x) of DM Act 2005, the District Authority shall review the state of capabilities for responding to any disaster or threatening disaster situation in the district & give directions to the relevant departments or authorities at the district level for their up gradation as may be necessary.

As per Section 30 (2) (xi) of DM Act 2005, the District Authority shall review the preparedness measures & give directions to the concerned departments at the district level or other concerned authorities where necessary for bringing the preparedness measures to the levels required for responding effectively to any disaster or threatening disaster situation. Awareness Generation, prevention and mitigation measures, raining and Capacity Development, Conduction of Mock Drills are vital activities to be covered under Pre Disaster Phase of the Disaster Management Cycle. Mock-drills help in evaluating response and improving coordination within various government departments, non-government agencies and communities. They help in identifying the extent to which the SOPs and Plans are effective and also aid in revising these if required. These drills enhance the ability to respond faster, better and in an organized manner during the response and recovery phase. Drills/Simulations/Exercises are based on a set of assumptions about the circumstances during a disaster:

- ☐ A high level of tension and anxiety under which the concerned personnel would operate both at the central and field levels
- ☐ Highly unreliable information which requires critical assessment
- ☐ Criticality of time where rapid decisions must be taken.
- ☐ Necessity for coordination among technical personnel and government officers, who do not usually interact
- ☐ Prominence of political and social factors in the aftermath of a disaster The approach for conducting a mock-drill varies as per the complexity of scenario depending upon the potential hazards, response system of the institution and the target community. Therefore, to ensure proper implementation of a drill program, roles and responsibilities (SOPs) of the concerned personnel, departments, corporate bodies, stakeholders, and mechanisms for conducting the drill should be delineated clearly. Regardless of the size, complexity and risk involved in the implementation of the drill, an effective drill/exercise program should have the following essential elements as prerequisites:
  - ☐ Emergency Response Plan: explaining institutional response structure, emergency response functions and standard operating procedures for various departments Team personnel at head quarter and field level trained on their standard operating procedures
  - ☐ Trained quick response teams in various possible operations like search and rescue, law and order, fire-fighting, medical, water arrangements, relief and shelter and electricity restoration etc
  - ☐ Updated database of resources, equipment and manpower available
  - ☐ Updated Emergency Directory with important contact details of members of Incident Management Team and Emergency Response function
  - ☐ Mock-drill Scenario and detailed action plan for Mock-drill
  - ☐ Evaluation formats for concerned departments and definite criteria for evaluation

☐ Observers and Qualified evaluators

Lessons learnt from the actual drills and exercises would be useful to revise operational plans and serve as a basis for the training of various stakeholders across different sectors. The drills and exercises will help to -

- ☐ Identify planning gaps
- ☐ Revise SOPs to enhance coordinated emergency response
- ☐ Increase public awareness and community readiness
- ☐ Enhance capacities of professionals, departments and trained volunteers
- ☐ Test plans and systems in simulation exercises

**Plan maintenance:**

As emphasized earlier, an emergency preparedness program must be dynamic, with the contingency plan maintained as a living document. This means continual updating and revision.

**Updating**

Keeping a plan up-to-date is normally neglected, or at least is often assigned a low priority. One organization should be responsible for the co-ordination of this task and overall stewardship of the plan. Some of the important aspects are:

- ☐ regular review period
- ☐ record of amendments and changes
- ☐ "where to report changes" notice
- ☐ current distribution list of plan holders

The plan should contain easily replaceable sections accompanied by clear directions for insertion into the plan and an acknowledgement form to be returned. The use of electronic word processing and computer-developed tables and figures is also recommended and has been provided with the plan. Information given in the softcopy of the report / action The Disaster Management Plan updating should be done at least annually, and whenever applicable conditions change. This means reviewing the hazards analysis process to see whether additions or deletions are appropriate, and changing the contingency plan when they are, the incorporation of resolved action items, and revisions to training programs, where needs are identified. Some data in the plan must be updated more often than annually. Telephone numbers, for example, should be checked at least quarterly. When new equipment is acquired or old equipment retired, these resource listings must be changed. All changes must be distributed to holders and potential users of the plan.

**Public Information**

Public information has two phases in contingency planning: education about the plan itself and why it was developed, and notification of an emergency condition. The first is a public relations function; the second, a necessary part of the plan itself.

**Public Information Prior to an emergency**

Residents of the district especially in industrial areas are aware of potential threats to their well being from industrial and transportation accidents. They are more concerned about major disasters than the host of minor incidents that occur. The more information citizens have about environmental conditions in their communities, the better equipped they are to participate in mitigation measures for their own protection from unacceptable safety and health risks. The hazards in a community, and what both industry and the administration are doing to minimize the risks and manage emergency situation that may arise, must be made known to them clearly and explicitly.

Perception and truth can be, sometimes, the same in the public eye, however subjective, inconsistent, and irrational this may be. People may react differently to the same risk, depending on their backgrounds and their level of risk acceptance. Voluntary risks, such as smoking or road accident, are usually accepted, whereas the involuntary risks of exposure to industrial hazards like contaminated drinking water, or a toxic plume, are not. While risk comparison may be valid, it is better to focus discussion on preventive measures, emergency preparedness, and containment and remediation procedures.

The public gets most of its information through the media. Therefore, when interacting with the media, the key is to present essential factual information positively, in readily understood terms (i.e. without technical jargon or exponential numbers). Unless this groundwork is laid, particularly with local media representatives (both print and electronic) It is unlikely that they will be friendly in a crisis situation. Rapport should be built ahead of time, for fair treatment during an emergency. Press releases and conferences during the planning process can help to accomplish this goal.

## **Emergency Information**

When an emergency does occur, prompt notification of the local emergency response team is vital, as it the dissemination of the warning to the public who may be affected. Initial notification of a problem to the emergency response team may be by telephone. The Initial Notification and Public Alert may be done with the help of vehicle mounted with Public Address system belonging to emergency services like Fire or Police. The notification could also be done with the help of emergency sirens of the industry in and around which the emergency has struck. The meaning of varying siren tones must be clearly defined and understood by general public to avoid any confusion during an actual emergency. Periodic training and mock drills involving general public could achieve this. A standardized notification message form should be available to both the sender and receiver of the initial information. Such notification should contain following information

- ☐ The date and time of the call (24-hour clock).
- ☐ The exact location of the emergency with name and address
- ☐ The caller's name, title, and telephone number (for verification purposes).
- ☐ The current emergency classification (such as Alert, Site Emergency, or General Emergency).
- ☐ The date and time of classification (24-hour clock).
- ☐ Whether or not a release has occurred. If yes, the name of the substance, its CAS number, whether it is toxic or flammable, any anticipated health hazards, what time it started, whether it is continuing or stopped, and whether it is a gas or liquid release.
- ☐ Whether any / what precautions should be taken when responding. (SCBA, protective clothing, etc.).
- ☐ A brief description of the problem.
- ☐ The assistance requested for mitigation.
- ☐ The public protective actions recommended.
- ☐ The preparer's name, title, and telephone number.

## **Public Information during Emergency**

During any natural disasters having wide spread damages, the public notification could be achieved through radio broadcast or other electronic media like local Cable TV etc. The media plays an important role in conveying the correct information to the general public. This would prevent spread of rumors, which may result in panic situation and may become difficult for district administration to control.

The establishment of a media briefing centre or public information centre has been described earlier in the report. Only the Dy. Commissioner or any responsible spokesperson appointed by him is authorized to deal with the press and provide accurate, detailed and meaningful information to media representatives who, because they are familiar with the contingency plan through advance preparation, will present the situation more fairly than if they had no prior knowledge.

## **Community Preparedness Strategies:**

1. Priority-wise information dissemination of various hazards and their do's and don'ts. Also preparation of community based disaster through Nataks, Film Shows, Rallies, Media, Newspaper Media, Posters DDMA Kumarganj Block Home Guards, NGOs, School and Colleges Volunteers, etc management plans shall be promoted in these areas First priority shall be given to the schools, industrial clusters, Market Trade Associations and densely populated area Second Priority shall be given to the communities living in the outer part of the district especially villages and Pamphlets, Group discussions and workshops etc.
2. Capacity Building of Community Members Through Mock Drills, preparation of community plans, trainings and workshops on disaster.
3. Trainings to the taskforces and committee members - First-Aid and Trauma Counseling
  - Search and rescue and firefighting
  - Warning Dissemination etc.
  - Trainings and Workshops along with Health, Police and Fire Departments.
4. Post disaster epidemic problems Seminars and community meetings Health department Local health departments, and NGO s.

## **Mock Drill Conducted in Kumarganj Development Block**

### **1. Fire Mock Drill at Deor High School.**

### **2. Other Mock Drill at Deor High School, Kumarganj High School, Gopalganj RN High School.**

# RESPONSE AND RELIEF MEASURES

## Introduction:

The need for an effective disaster management strategy is to lessen disaster impact which can be achieved through strengthening and reorienting existing organizational and administrative structure from Block - district – state to national level. The emergency response plan is a first attempt to follow a multi-hazard approach to bring out all the disasters on a single platform and incorporates the '*culture of quick response*'. Under the plan, common elements responsible for quick response have been identified and a set of responsible activities has been articulated. It provides a framework to the primary and secondary agencies and departments, which can outline their own activities for disaster response. The plan will also include specific disaster action plans along with modal scenarios in detail to conduct practice drills at district administration level

## RESPONSE PLAN (Multi Hazard) preparedness and assessment -

Disaster Response plans are useful in pre-disaster situation, when warnings have to be issued. The Plan again serves as guidance to officials and precious time is saved which might otherwise be lost in consultations with senior officers and getting formal approval from authorities. The response plan contains two approaches:

### Short term Plan:-

Short- term Plan comprising relief to be provided immediately following a disaster based on Norms of relief if applicable. Setting up of shelter places and immediate restoration of power supply, clearance of roads etc. Coordination with various agencies, NGOs, National and International.

### Long term Plan:-

Long Term plan comprises of reconstruction of earthquake proof buildings, rehabilitation of people in safe areas. Enforcement of DM Act 2005, involvement of community participation

## Incident Command System (ICS)

ICS is a modal tool to command, coordinate and use of resources at the site of the incident. It is based on the management and direction tools that experts and managers are already aware too. It is a very flexible, cost effective and efficient management system.

## Emergency Support Functions (ESFs)

The ESF activates by the members of Disaster Management team would also heads primary agency and simultaneously coordinate with the secondary agencies. Each of the primary and secondary agencies would also comprise of quick response team trained to carry out their functions at the response site. The success of ESF will be of critical importance and would reflect in the lives saved in the first few hours.

## Primary and Secondary Agencies

The designated primary agency action as a central agency would be assisted by one or more supporting agencies (secondary agencies) and will be responsible to manage activities of the ESFs and ensuring the mission accomplished. The primary and secondary agencies have the authority to execute response operations to directly support the state needs.

## Quick assessment of Damages

Immediate assessment and submit their first ink formation report of any calamities to the DC in case Disaster.

## Response Flow Chart Emergency Response Procedures

Fire, Flood, Cyclone, Accidents Man Introduction: Response Flow Chart procedures are the foundation of any crisis management plan. The objective of the emergency procedures is to be able to protect lives and minimize damage to assets and to try to 'nip the incident in the bud' before it escalates into a disaster. Need of response flow chart: The need is to create flow charts that convey the first actions to be carried out and escalations and process flows based on the emerging scenario. Before the construction of the flow charts the following need to be defined:

- ☐ Primary contacts
- ☐ Emergency response term members
- ☐ Crisis management term members
- ☐ Head court lists
- ☐ First aid trained personnel

- ☐ ☐ Emergency service providers contact numbers
- ☐ ☐ Emergency contact numbers for all employees
- ☐ ☐ Vendor contact numbers
- ☐ ☐ Building evacuation drills

#### **For example cyclone response chart**

##### **Cyclone**

Watch Alert issued, Waning Alert issued, Emergency Response Team is on alert, Emergency Response Team verifies alert, Emergency Response informs crisis management Term, Emergency Crisis Management Response team prepares for any mobilization term directs future action (Pl. Note this type of details are available, hospital, industrial offices in yours district)

##### **Response structure during Warning stage**

At Block level, as reported by the District Level, before the occurrence of disaster and immediately after the disaster, the Block administration will activate the Block control room so that proper information will be provided to the concerned.

##### **Warning dissemination:**

When a warning is received, it will be first verify and transmitted to the next person through telephones, fax messenger, public announcement, AIR Radio, Doordarshan, Television and newspaper.

##### **Relief:**

Immediate relief to be given to the affected victims as per norms provided by the state Disaster Response Fund.

##### **WARNING & ALERT**

Early warning system In severe flood situations in the states caused major devastation. The Block head Quarter got totally cut-off due to submerged telephone exchange cable and disrupted roads and railways communication. The need for relief and rescue operation could not be communicated to the state head quarters. Realizing this, state Government requested National Disaster Management Division of the Government of India to immediately send the emergency coordination kits containing satellite phones to establish communication links.

The telecommunication links have become a vital part of our daily life. Most popular means of communication is the Public wired telephone, which known as Public switched Telephone Network (PSTN) line. This is the prime network connecting all Government and Privet Officers, Police stations, fire stations, Hospitals and majority of homes and business places by transmitting and receiving voice, fax and data. The usage of wireless phones such as mobile (cellular) Phones have also become widespread in recent times. The prime communication networks of Government of India. NIC: National Informatics Centre (NIC) is a premiere Science & Technology organization of the Government of India in this field. It functions through a nationwide information and communication technology (ICT) network called NICNET.

##### **Activation of Emergency Operating (EOC)**

An Emergency operations centre (EOC) is central command and control facility responsible for carrying out the principles of emergency preparedness and emergency management, or disaster management functions at a strategic level during an emergency, and ensuring the continuity of operation of operation of a company, political subdivision or other organization. The common functions of all EOC's is to collect gather and analyze data; make decisions that protect life and property, maintain continuity of the organization, within the scope of applicable laws; and disseminate those decisions to all concerned agencies and individuals. In most EOCs there is one individual in charge, and that is the **Emergency Structure of Incident Response System**

## **DUTIES AND RESPONSIBILITIES**

The emergency responsibilities of key persons in the Block are listed. These duties and responsibilities are common to all types of major emergencies or disasters, (i.e. Natural or Manmade). The Emergency Organization Members will prepare, maintain, and be guided by these during any major disaster in the district. Individuals assigned to these functions are expected to co-ordinate their actions with the district administration.

It may be noted that depending on the type of emergency and also availability of staff and resources, functions of various agencies may vary. At times, each person may be required to assume additional responsibilities in addition to their normal duties. This would be the prerogative of the Dy. Commissioner to assign the additional responsibilities to the members of the emergency organization. Following are the duties and responsibilities of the members of the emergency organisation. These are general in nature and applicable to all types of emergencies.

### **Following are the main functions during any emergency**

- ☐ Declaration of emergency after confirming the magnitude of the disaster.
- ☐ Activate the Emergency Control Room (ECR) at Block office and make it functional.
- ☐ Co-ordinate and establish contact with all agency involved in the emergency actions.
- ☐ Ensure setting up of Local Emergency Control Room (LECR) close to the scene of accident or at thana headquarter.
- ☐ Ensure actions have been initiated to contain the emergency.
- ☐ Have overall supervision of all the emergency relief operations.
- ☐ Initiate evacuation of people from affected area with the assistance of police, fire and other agencies.
- ☐ Depending on type of emergency, mobilize additional resources like heavy lifting gears line cranes, bulldozers for rescue and mitigation operation.
- ☐ Ensure transport vehicles in required numbers have been mobilized for evacuation of the affected population.
- ☐ Set-up safe shelters for evacuated people and ensure they are provided with food and medical attention as the need be.
- ☐ Monitor progress of disaster especially in case of natural disasters like cyclone or floods by getting information from various agencies involved and mobilize additional support to mitigate the effects of disaster.
- ☐ Keep the District administration informed regarding the disaster and the steps taken to contain the same.
- ☐ If required, set-up mobile first aid centre or temporary health centres in the affected area or in the safe shelters.
- ☐ Visit the scene of the disaster to have first hand information about the rescue or mitigative operation that are being carried out.
- ☐ In case of floods, carry out aerial survey of the affected area to have preliminary estimates of the extent of damage caused.
- ☐ Call off emergency after confirming that all the actions have been taken to normalize the conditions and it is safe for people to re-enter the affected areas.

### **Following are the main functions during any emergency**

- ☐ Set up the LECR at the concerned Block headquarters or at a safe place close to the scene of the disaster
- ☐ Depending on the nature of emergency, co-ordinate with the various agencies at local level.
- ☐ Initiate the rescue operation with the help of local police, fire or other voluntary organizations and mutual aid members.
- ☐ Have close interaction with the Site Controller to ensure proper actions have been taken.
- ☐ Visit the affected area to gain first hand information of various steps being taken to mitigate the effects of the disaster.
- ☐ Keep the main Emergency Control Room at Block headquarters informed about the developments on a regular basis and request for additional help by way of resources or specialized manpower or equipment.

### **Following are the main functions during any emergency**



- ☐ Take measures to mitigate the emergency in association with various emergency services like fire and police.
- ☐ Request for additional help like specialized manpower or equipment to effectively handle the emergency.
- ☐ Rescue and evacuate the people from affected area and shift them to safe shelters.
- ☐ Ensure setting up of safe shelters with basic amenities for food and sanitation.
- ☐ Mobilize medical professionals with the help of ECR or LECR and ensure the affected persons are given medical attentions.
- ☐ Arrange to shift the injured or sick to specialized hospitals if need be.

### **LAW AND ORDER FUNCTION ( Superintendent of Police (SP)/Commissioner of Police)**

*Alternate* : Sub-divisional Police Officer (SDPO).

It is observed that the police are the first agency to reach the site during any emergency. The local police initiate the emergency action even before the declaration of emergency and setting up of the ECR at Dy. Commissioners Office at Mangalore. Even though the main function of the Police is to maintain law and order, it is observed that most of the rescue and relief operation is initiated by the police before arrival of full-fledged rescue teams.

### **Following are the main functions of the Police (at various levels) during any emergency**

#### **Police Inspector of nearest Police Station**

The local police station plays an important role during any .

- ☐ Divert traffic away from the scene of accident on major roads. Set up barricades and regulate crowd in affected are.
- ☐ Warn and advice people about emergency using vehicle mounted with Public Address system in the affected area.
- ☐ Evacuate people and livestock in affected areas using rescue routes identified in Advance.
- ☐ Provide relief to victims till arrival of rescue team.
- ☐ Maintenance of law and order at the scene of emergency and prevention of anti social elements from taking advantage of the situation.
- ☐ Ensure law and order and maintain security in evacuated areas.
- ☐ Assist in rendering first aid Medical help to those in need.
- ☐ Ensure police personnel on emergency duty receive proper briefing about possible hazardous effects and are provided with personal protective equipment.

#### **Traffic Police**

Depending on the type of disaster, the traffic police would take control of the traffic movement in the district. During a natural disaster like cyclone or floods the roads may be cut off for a longer period and hence traffic police play a very important role in handling any such emergencies. Their duties would include

- ☐ Stop traffic approaching the affected area and advise the crew regarding the impending danger.
- ☐ Check for alternate routes and divert the traffic in controlled manner to prevent congestion in diversions.
- ☐ Keep close liaison with other police agencies and assist in crowd control around the affected area.
- ☐ Make way for emergency and relief vehicles on priority basis.
- ☐ Monitor the condition of the blocked road and resume normal traffic only when affected area is declared safe. It is observed that the police are the first agency to reach the site during any emergency. The local police initiate the emergency action even before the declaration of emergency. Even though the main function of the Police is to maintain law and order, it is observed that most of the rescue and relief operation is initiated by the police before arrival of full-fledged rescue teams.

### **FIRE FIGHTING FUNCTION-**

- ☐ Mobilize the services of the Home guards for firefighting through the Police.
- ☐ Ensure availability of water and make arrangement for private water tanker carriers
- ☐ When the emergency is over, carry out joint inspection of affected areas to ensure that emergency is under control.

## **CIVIL DEFENCE FUNCTION - Home guards**

### **Main functions**

- ☐ Assist the Police or Fire personnel in carrying out their duties.
- ☐ Carry out rescue and evacuation operation in close association with other emergency agencies.
- ☐ Evacuated areas would need to be guarded against looting.
- ☐ Will be overall in-charge of Relief and Rehabilitation activities.
- ☐ Identify the rehabilitation centre in advance and establish them in shortest possible time.
- ☐ Arrange for orderly transportation of population from the emergency zone and adjacent villages in case evacuation has been ordered by Deputy Commissioner.
- ☐ Co-ordinate with other departments connected with relief measures.
- ☐ Provide basic amenities such as food, drinking water and sanitation at the rehabilitation centres.
- ☐ Distribute food packets at the affected areas to the people, emergency services agencies such as police, fire fighting personnel and others.
- ☐ Exercise any other powers to seek any assistance from the local authorities in achieving this objective.
- ☐ Establish contact with the voluntary organizations for assistance.
- ☐ To ensure that necessary arrangements are made for the orderly return of all villagers to their respective places once the Deputy Commissioner informs about the termination of the emergency.

### **INFORMATION FUNCTION (Block Information Officer)**

The Block Information Officer would be based in the ECR during any disaster and assist the Block authorities in smooth operation.

### **Main functions**

Upon receiving the information from district administration, the information officer should co-ordinate with media for giving information regarding emergency.

- ☐ Co-ordinate with the affected victims' families for giving information of their dear ones if missing / dead / injured.

## **7.10 National Disaster Management Authority**

### **Guidelines on Minimum Standards of Relief**

#### **Introduction**

Disaster Management Act (Section 12) mandates National Disaster Management Authority (NDMA) to recommend Guidelines for minimum standards of relief to be provided to persons affected by disaster which shall include:

- ☐ The minimum requirements to be provided in the relief camps in relation to shelter, food, drinking water, medical cover, sanitation
- ☐ Special provisions to be made for widows and orphans
- ☐ Ex-gratia assistance on account of loss of life as also assistance on account of damage to houses and for restoration of means of livelihood
- ☐ Such other relief as may be necessary According to Section 19 of the act, the State Authorities shall lay down detailed guidelines for providing standards of relief to persons affected by disaster in the state and such standards shall in no case be less than the minimum standards in the guidelines laid down by National Authority. Hence NDMA, as mandated by the Act, has worked out the basic minimum standards of relief to be provided to the persons affected by disaster Before finalizing the above Guidelines, various meetings were held in NDMA with the representatives of Nodal Ministries / Departments of Govt of India in which senior officials from State Govt also participated to offer their valuable views. It was observed during the above meetings that the Guidelines on Minimum Standards need to be simple and implementable by the States

**Definition of Relief and Rehabilitation Camp:-**

Relief shelters and Rehabilitation camps shall be set up in order to accommodate people affected by a disaster. The camp shall be temporary in nature with basic necessities. People in the camp shall be encouraged to return to their respective accommodation once the normalcy is returned. The State Govt / District administration sometimes may not be able to implement all the basic guidelines recommended by NDMA from the day one of the disaster and therefore, the following method shall be followed:-

- ☐ First three days – Basic norms to the possible extent may be followed
- ☐ 4 to 10 days – Efforts should be made to follow most of the norms recommended by NDMA in this Guideline.
- ☐ 11 days and above – NDMA's prescribed norms shall be followed.

The factors like terrain, climatic conditions at the site of disaster etc. will also impact the requirement and ability of the administration and other stakeholders to deliver relief. These constraints should also be kept in view while prescribing minimum standards of relief.

**Minimum Standards in respect of Shelter in relief camps:-**

- ☐ State / UT / District administration shall take necessary steps to pre-identify locations / buildings like local schools, anganwadi centers / cyclone shelters / community centers/ marriage halls etc which can be used as Relief shelters where people can be accommodated in case of disaster in the area. In such centers, necessary facilities like sufficient number of toilets, water supply, generators with fuel for power back up during disasters shall be ensured.
- ☐ After a disaster, large covered space shall be required to accommodate the affected people. In order to avoid last minute arrangement and high cost, States/UTs can explore the option of advance Mous with manufacturers / suppliers for supply of factory made fast track pre-fabricated shelters / tents / toilets / mobile toilets and urinals etc which can be dismantled and taken back by the supplier after the closure of the camp. This arrangement shall avoid delay in setting up of camp and exorbitant billing of essential supplies.
- ☐ In the relief centers, 3.5 Sq.m. of covered area per person with basic lighting facilities shall be catered to accommodate the victims. In mountainous areas, minimum covered area shall be relaxed due to lack of available flat land / built up area. Special care shall be taken for safety and privacy of inmates, especially for women, widows and children. Special arrangements should be made for differently-able persons, old and medically serious patients.
- ☐ Relief centers shall be temporary in nature and be closed as soon as normalcy returns in the area.
- ☐ Sufficient number of sites based on population density shall be identified as relief centers and earmarked well in advance at the time of planning and development of a metro/city/town.

**Minimum Standards in respect of Food in relief camps:-**

- ☐ Milk and other dairy products shall be provided for the children and lactating mothers. Every effort shall be taken in the given circumstances to ensure sufficient quantity of food is made available to the affected people (especially for aged people and children) staying in the relief shelters / camps.
- ☐ Sufficient steps shall be taken to ensure hygiene at community and camp kitchens. Date of manufacturing and date of expiry on the packaged food items shall be kept in view before distribution.
- ☐ It shall be ensured that men and women are supplied food with minimum calorie of 2,400 Kcal per day. In respect of children / infants, the food to be supplied would be 1,700 Kcal per day.

**Minimum Standards in respect of Water in relief camps:-**

- ☐ Sufficient quantity of water shall be provided in the relief camps for personal cleanliness and hand wash.
- ☐ It may be ensured that the minimum supply of 3 liters per person, per day of drinking water is made available in the relief camps. Further, the State / UT / District authorities shall adjust the minimum quantity of water etc as per the geographic, demographic and social practices of the region. If other means for providing safe drinking water is not possible at-least double chlorination of water needs to be ensured.
- ☐ In order to ensure adequate water supply, the location of the source of water supply shall preferably be within the premises of relief shelter /camp. However, the maximum distance from the relief camp to the nearest water point shall not be more than 500 m, if tapped water supply is available.

**Minimum Standards in respect of Sanitation in relief camps:-**

□ **Number of toilets:** 1 toilet for 30 persons may be arranged / built. Separate toilet and bath area be catered for women and children. At least 15 liters of water per person needs to be arranged for toilets / bathing purposes. Hand wash facility in toilets should be ensured. Steps may be taken for control of spread of diseases. Dignity kits

for women shall be provided with sanitary napkins and disposable paper bags with proper labeling.

□ Toilets shall not be more than 50 m away from the relief camps. Pit Latrines and Soak ways shall be at least 30 m from any ground water source and the bottom of any latrine has to be at least 1.5 m above the water level.

□ Drainage or spillage from defecation system shall not run towards any surface water source or shallow ground water source.

#### **Minimum Standards in respect of medical cover in relief camps:-**

(a) Mobile medical teams shall visit relief camps to attend the affected people. Steps shall be taken to avoid spread of communicable diseases.

(b) If the relief camps are extended over a long time, then necessary arrangement may be made for psychosocial treatment.

(c) Helpline should be set up and contact number and details of which shall be displayed at the relief/shelters and adequately publicized to inform the people.

(d) For pregnant women, necessary basic arrangements shall be made by the local administration for safe delivery.

(e) Advance tie up / arrangement shall be made with the Govt / private hospitals so that necessary doctors / para-medical staff are available at short notice for relief camps to attend to the affected people. In respect of people who are affected and being referred to hospitals for treatment / operation etc, suitable transportation shall be arranged to reach to referred hospital.

(f) In order to manage mass casualty in a disaster, advance contingency plans for management of multiple casualties shall be developed.

#### **Minimum Standards of Relief for Widows and Orphans:-**

□ In each camp, a separate register shall be maintained for entering the details of women who are widowed and for children who are orphaned due to the disaster. Their complete details shall be entered in the register, duly counter signed by the concerned officials and this register shall be kept as a permanent record with the District administration.

□ Special care shall be given to widows and orphans who are separated from their families. For widows, certificate by the District Administration shall be issued stating that she lost her husband in the disaster and the same shall be issued **within 15 days**

#### **of disaster.**

□ As the widow / family shall be economically weak, the State administration shall provide a reasonable amount for the funeral rites of her husband and this payment shall be deducted from the subsequent financial compensation / relief that shall be paid by the Govt.

□ Necessary financial compensation and other government assistance need to be arranged within 45 days of the disaster to the widow and to the orphaned children. In respect of orphaned children, similar certificate shall be issued and the children need to be taken care of properly and the funds that may be given to the children by the

Govt. shall be duly deposited in a PSU Bank in a Joint A/C where the Collector / DC shall be the first account holder of the Bank account. Interest from the fund can be given to the child / guardian every month for his / her proper upkeep. Education for the child shall be ensured by the District / local administration.

□ As far as ex gratia assistance on account of loss of life as also assistance on account of damage to houses and for restoration of means of livelihood, the norms provided by Govt of India (Ministry of Home Affairs) for assistance from SDRF should be the minimum standards of relief.

#### **Relief Measures:**

Once the rescue phase is over, the Block administration shall provide immediate relief assistance either in cash or in kind to the victims of the disaster as per availability of Fund.

##### **1 GRATUITOUS RELIEF**

a) Ex-Gratia payment to families of deceased persons

**Rs. 4.00 lakh** per deceased person including those involved in relief operations or associated in preparedness activities, subject to certification regarding cause of death from appropriate authority.

b) Ex-Gratia payment for losses of a limb or eyes(s).

**Rs. 2.00 lakh/-** per person, when the disability is more than 60%. Subject to certification by a doctor from a hospital or dispensary of Government, regarding extent and cause of disability.

c) Grievous injury requiring hospitalization **Rs 12,700/-** per person requiring hospitalization for more than a week. **Rs. 4,300/-** per person requiring hospitalization for less than a week.

d) Clothing and utensils/household goods for families whose houses have been washed away/fully damaged/severely inundated for more than a week due to natural calamity **Rs. 1,800/-** per family, for loss of clothing. **Rs. 2,000/-** per family, for loss of utensils/household goods

e) Gratuitous relief for families whose livelihood is seriously affected **Rs. 60/-** per adult and **Rs. 45/-** per child, not housed in relief camps. State Govt. will certify that identified beneficiaries are not housed in relief camps. Further State Government will provide the basis and process for arriving at such beneficiaries district-wise. Period for providing gratuitous relief will be as per assessment of the State Executive Committee (SEC) and the Central Team (in case of NDRF). The default period of assistance will up to 30 days, which may be extended up to 60 days in the first instance, if required, and subsequently up to 90 days in case of drought/pest attack. Depending on the ground situation, the State Executive Committee can extend the time period beyond the prescribed limit subject to that expenditure on this account should not exceed 25% of SDRF allocation for theyear.

## **2 SEARCH & RESCUE OPERATIONS**

(a) Cost of search and rescue measures/ evacuation of people affected/ likely to be affected. As per actual cost incurred, assessed by SEC and recommended by central Team(in case of NDRF). -By the time the central Team visits the affected area, these activities are already over. Therefore, the State Level Committee and the Central Team can recommend actual / near-actual costs.

(b) Hiring of boats for carrying immediate relief and saving lives. As per actual costs incurred, assessed by SEC and recommended by the Central Team (in case of NDRF). The quantum of assistance will be limited to the actual expenditure incurred on hiring boats and essential equipment requiring for rescuing stranded people and thereby saving human lives during a notified natural calamity.

## **3 RELIEF MEASURES**

a) Provision for temporary accommodation, food, clothing, medical care etc. for people affected / evacuated and sheltered in relief camps. As per assessment of need by SEC and recommended of the Central Team (in case of NDRF), for a period of up to 30 days. The SEC would need to specify the number of camps, their duration and the number of persons in camps. In case of continuation of a calamity like drought or widespread devastation caused by earthquake or flood etc., this period may be extended to 60 days, and up to 90 days in case of severe drought. Depending on the ground situation, the State Executive Committee can extend the time period beyond the prescribed limit subject to that expenditure on this account should not exceed 25% of SDRF allocation for the year. Medical care may be provided from National Rural Health Mission (NRHM).

b) Air dropping of essential supplies As per actual, based on assessment of need by SEC and recommendation of the Central Team (in case of NDRF). - The quantum of assistance will be limited to actual amount raised in the bills by the Ministry of Defense for airdropping of essential supplies and rescue operations only. Provision of emergency supply of drinking water in rural areas and urban areas. As per the actual cost based on the assessment need by SEC and recommended by the Central Team ( in case of NDRF), up to 30 days and may be extended up to 90 days in case of drought. Depending on the ground situation, the State Executive Committee can extend the time period beyond the prescribed limit subject to that expenditure on this account should not exceed 25% of SDRF allocation for the year.

## **4 CLEARANCE OF AFFECTED AREAS**

a) Clearance of debris in public areas. As per actual cost within 30 days from the date of start of the work based on assessment of need by SEC for the assistance to be provided under SDRF and as per assessment of the Central Team for assistance to be provided under NDRF.

b) Drainage of flood water in affected areas As per actual cost within 30 days from the date of start of the work based on assessment of need by SEC for the assistance to be provided under SDRF and as per assessment of the Central Team (in case of NDRF).

c) Disposal of death bodies / Carcasses as per actual, based on assessment of need by SEC and recommendation of the Central Team (in case of NDRF).

## 5 AGRICULTURE

### Assistance to farmers having landholding up to 2 ha Assistance for land and other loss

a) De-silting of agriculture land (where thickness of sand/ silt deposit is more than 3", to be certified by the competent authority of the State Government)

**Rs. 12,200/-** per hectare for each item

b) Removal of debris on agriculture land in hilly areas. (Subject to the condition that no other assistance / subsidy has been availed of by/is eligible to the beneficiary under any other Government Scheme.)

c) De-silting/ Restoration/ Repair of fish farms

d) Loss of substantial portion of land caused by landslide, avalanche, change of course of rivers.

**Rs. 37,500/-** per hectare to only those small and marginal farmers whose ownership of the land is legitimate as per the revenue records.

### 6 Input subsidy (where crop loss is 50% and above)

a) For agriculture crops, horticulture crops and annual plantation crops **Rs 6,800/-** per hectare in rainfall areas and restricted to sown areas. **Rs. 13,500/-** per hectare in assured irrigated areas, subject to minimum assistance not less Rs.1000/- and restricted to sown areas.

b) Perennial Crops **Rs. 18,000/-** hectare for all types of perennial crops subject to minimum assistance not less than **Rs.2000/-** and restricted to sown areas.

c) Sericulture **Rs. 4,800/-** per hectare for Eri, Mulberry, Tussar **Rs 6000/-** per ha. For Muga

**Input Subsidy to farmers having more than 2Ha of Rs. 6,800/-** per hectare in rainfall areas and restricted to sown areas. **Rs. 13,500/-** per hectare for areas **landholding** under assured irrigation and restricted to sown areas.

**Rs. 18,000/-** per hectare for all types of perennial crops and restricted to sown areas. - Assistance may be provided where crop loss is 33% and above, subject to a ceiling of 2 hectare per farmer.

## ANIMAL HUSBANDRY - ASSISTANCE TO SMALL AND MARGINAL FARMERS

i) Replacement of milch animals, draught animals or animals used for haulage.

**Milch animals - Rs. 30,000/-**

Buffalo/cow/camel/yak/Mithun etc. **Rs. 3,000/-** Sheep/goat/pig.

**Draught animal - Rs. 25,000/-** Camel/horse/bullock etc. **Rs. 16,000/-** Calf/Donkey/Pony/Mule – The assistance may be restricted for the actual loss of economically productive animals and will be subject to a ceiling of 3 large milch animal or 30 small milch animals or 3 large draught animal or 6 small draught animals per household irrespective of whether a household has lost a large number of animals. (The loss is to be certified by the Competent Authority designed by the State Government).

**Poultry:-** Poultry @ **Rs. 50/-** per bird subject to a ceiling of assistance of **Rs. 5000/-** per beneficiary household. The death of the poultry birds should be on account of natural calamity. Note:- Relief under these norms is not eligible if the assistance is available from any other Government Scheme. e.g. loss of birds due to Avian Influenza or any other diseases for which the Department of Animal Husbandry has a separate scheme for compensating the poultry owners.

(ii) Provision of fodder/ feed concentrates including water supply and medicines in cattle camps.

Large animals - **Rs. 70/-** per day. Small animals - **Rs. 35/-** per day. Period for providing relief will be as per assessment of the State Executive Committee (SEC) and the Central Team (in case of NDRF). The default period for assistance will be up to 30 days, which may be extended up to 60 days in the first instance and in case of severe drought up to 90 days. Depending on the ground situation, the State Executive Committee can extend the time. Period beyond the prescribed limit, subject to the stipulation that expenditure on this account should not exceed 25% of SDRF allocation for the year. Based on assessment of need by SEC and recommendation of the Central Team (in case of

NDRF) consistent with estimates of cattle as per Livestock Census and subject to the certificate by the competent authority about the requirement of medicine and vaccine being calamity related.

iii) Transport of fodder to cattle outside cattle camps As per the actual cost of transport, based on assessment of need by SEC and recommendation of the Central team (in case of NDRF) consistent with estimated of cattle as per Livestock Census.

## 7 FISHERY

i) Assistance to Fisherman for repair/ replacement of boats, nets - damaged or lost --Boat--Dugout- --Net (This assistance will not be provided if the beneficiary is eligible or has availed of any subsidy / assistance, for the instant calamity, under any other Government Scheme.)

**Rs. 4,100/-** for repair of partially damaged boats only

**Rs. 2,100/-** for repair of partially damaged net.

**Rs. 9,600/-** for repair of fully damaged boats.

**Rs. 2,600/-** for repair of fully damaged net.

ii) Input subsidy for fish seed farm

**Rs. 8,200/-** per hectare. (This assistance will not be provided if the beneficiary is eligible or has availed of any subsidy/assistance, for the instant calamity, under any other Government Scheme, except the one time subsidy provided under the Scheme of Department of Animal husbandry, Dairying and Fisheries, Ministry of Agriculture.)

## **9 HOUSING**

a) **Fully damaged/ destroyed houses**

i) Pucca house **Rs. 95,100/-** per house, in plain areas **Rs. 1,01,900/-** per house, in hilly areas including Integrated Action Plan (IAP) districts.

ii) Kutch house -

b) **Severely damaged houses**

i) Pucca house

ii) Kutch house

c) **Partially Damaged Houses**

i) Pucca (other than huts) where the damage is at least 15%

**Rs.5,200/-** per house

ii) Kutch (other than huts) where the damage is at least 15% **Rs.3,200/-** per house.

d) **Damaged/destroyed huts: Rs. 4,100/-** per hut (Hut means temporary, make shift unit, inferior to Kutch house, made of thatch, mud, plastic sheets etc. traditionally recognized as huts by the State /District authorities.)

Note:- The damaged house should be an authorized construction duly certified by the Competent Authority of the State Government.

e) **Cattle shed attached with house Rs. 2,100/-** per shed.

## **10 INFRASTRUCTURE**

***Repair/restoration (of immediate nature) of damaged infrastructure.***

(1) Roads & bridges, (2) Drinking water Supply works, (3) Irrigation, (4) Power (only limited to immediate restoration of electricity supply in the affected areas), (5) Schools, (6) Primary Health Centre, (7) Community assets owned by Panchayat. Sectors such as Telecommunication and Power

(except immediate restoration of power supply), which generate their own revenue, and also undertake immediate repair/restoration works from their own funds/resources are excluded.

***Activities of immediate nature:*** Illustrative of activities which may be considered as works of an immediate nature are given in the Appendix.

***Assessment of requirements:*** Based on assessment of need, as per States' costs/rates/ schedules for repair by SEC and recommendation of the Central Team (in case of NDRF). - As regards repair of roads, due to consideration shall be given to Norms for Maintenance of Roads in India, 2001, as amended from time to time, for repair of roads affected by heavy rains/floods, cyclone, landslide, sand dunes, etc. to restore traffic. For reference these norms are \*Normal and Urban areas: up to 15% of the total of Ordinary repair(OR) and Periodical repair (PR). \*Hills: up to 20% of total of OR and PR. - In case of repair of roads, assistance will be given based on the notified Ordinary Repair (OR) and Periodical Renewal (PR) of the State. In case OR & PR rate is not available, then assistance will be provided @ Rs.1 lakh/km for State Highway and Major District Road and @ Rs.0.60 lakh/km for rural roads. The condition of "State shall first use its provision under the budget for regular maintenance and repair" will no longer be required, in view of the difficulties in monitoring such stipulation, though it is a desirable goal for all the States. In case of repairs of Bridges and Irrigation works, assistance will be given as per the schedule of rates notified by the concerned States. Assistance for micro irrigation scheme will be provided @ Rs.1.5 lakh per damaged scheme. Assistance for restoration of damaged medium and large irrigation projects will also be given for the embankment portions, on par with the case of similar rural roads, subject to the stipulation that no duplication would be done with any ongoing schemes. - Regarding repairs of damaged drinking water schemes, the eligible damaged drinking water structures will be eligible for assistance @ Rs.1.5 lakh /damaged structure. -Regarding repair of damaged primary and secondary

schools, primary health centres, Anganwadi and community assets owned by the Panchayats, assistance will be given @ Rs.2 lakh / damaged structure. - Regarding repair of damaged power sector, assistance will be given to damaged conductors, poles and transformers upto the level of 11 kV. The rate of assistance will be @ Rs.4000/poles, Rs.0.50 lakh per km of damaged conductor and Rs.1.00 lakh per damaged distribution transformer.

## **11 PROCUREMENT**

Procurement of essential search, rescue and evacuation equipments including communication equipments, etc. for response to disaster. - Expenditure is to be incurred from SDRF only (and not from NDRF), as assessed by the State Executive Committee (SEC). - The total expenditure on this item should not exceed 10% of the annual allocation of the SDRF.

**12 CAPACITY BUILDING** - Expenditure is to be incurred from SDRF only (and not from NDRF), as assessed by the State Executive Committee (SEC). - The total expenditure on this item should not exceed 5% of the annual allocation of the SDRF. **13** State specific disasters within the local context in the State, which are not included in the notified list of disasters eligible for assistance from SDRF/NDRF, can be met from SDRF within the limit of 10% of the annual funds allocation of the SDRF. - Expenditure is to be incurred from SDRF only (and not from NDRF), as assessed by the State Executive Committee (SEC). - The norm for various items will be the same as applicable to other notified natural disasters, as listed above. Or - In these cases, the scale of relief assistance against each item for 'local disaster' should not exceed the norms of SDRF. - The flexibility is to be applicable only after the State has formally listed the disasters for inclusion and notified transparent norms and guidelines with a clear procedure for identification of the beneficiaries for disaster relief for such local disasters', with the approval of SEC.

## **APPENDIX Illustrative list of activities identified as of an immediate nature**

### **1. Drinking Water Supply**

Repair of damaged platforms of hand pumps/ring wells/spring-tapped chambers/public stand posts, cisterns.

2. Restoration of damaged stand posts including replacement of damaged pipe lengths with new pipe lengths, cleaning of clear water reservoir (to make it leak proof).
3. Repair of damaged pumping machines, leaking overhead reservoirs and water pumps
4. including damaged intake - structure, approach gantries/jetties.

### **2.Roads:**

1. Filling up of breaches and potholes, use of pipe for creating waterways, repair and stone pitching of embankments.
2. Repair of breached culverts.
3. Providing diversions to the damaged/washed out portions of bridges to restore immediate connectivity.
4. Temporary repair of approaches to bridges/embankments of bridges, repair of damaged railing bridges, repair of causeways to restore immediate connectivity, granular sub base, over damaged stretch of roads to restore traffic.

### **3 Irrigation:**

1. Immediate repair of damaged canal structures and earthen/masonry works of tanks and small reservoirs with the use of cement, sand bags and stones.
2. Repair of weak areas as piping or rat holes in dam walls/embankments.
3. Removal of vegetative material/building material/debris from canal and drainage system.
4. Repair of embankments of minor, medium and major irrigation projects.

### **4 Health**

Repair of damaged approach roads, buildings and electrical lines of PHCs/community Health Centers.

### **5 Community assets of Panchayat**

- ☐ Repair of village internal roads.
- ☐ Removal of debris from drainage/sewerage lines.
- ☐ Repair of internal water supply lines.
- ☐ Repair of street lights.
- ☐ Temporary repair of primary schools, Panchayat Ghars, community halls, anganwadi, etc.

### **6 Power**

Poles/Conductors and transformers up to 11 kv.

### **7 The assistance will be considered as per the merit towards the following activities:**



- i) Damaged primary school building Higher secondary/middle/ college and other educational institutions building Up to Rs. 1.50 lakh /unit not covered
- ii) Primary Health Centre Up to Rs. 1.50 lakh /unit
- iii) Electric poles and wires etc. Normative cost (upto Rs.4000 per pole and Rs.0.50 lakh per km)
- iv) Panchayat Ghar/Anganwadi/ Mahila Mondal/ Yuva Kendra/ Community Hall Upto 2.00 lakh/unit
- v) State Highways/Major District road Rs.1.00 lakh/km
- vi) Rural road/bridge Rs.0.60 lakh/km
- vii) Drinking water scheme Upto 1.50 lakh/unit
- viii) Irrigation Sector: Minor Irrigation schemes/Canal Major irrigation scheme Flood control and anti Erosion Protection work up to Rs.1.50 lakh/scheme Not Covered Not Covered
- ix) Hydro Power Project/HT Distribution systems/ Transformers and subs stations not Covered
- x) High Tension Lines (above 11 kv) Not Covered
- xii) State Govt Buildings viz. departmental/office building, departmental/residential quarters, religious structures, play ground, forest bungalow property and etc. Not Covered
- xiii) Long terms/Permanent Restoration Work incentive Not Covered
- xiv) Any new work of long term nature Not Covered
- xv) Distribution of commodities Not Covered (However, there is a provision for assistance as GR to families in dire need of assistance after a disasters)
- xvi) Procurement of equipments/machineries under NDRF Not Covered
- xvii) National Highways Not Covered (Since GOI born entire expenditure towards restoration work activities) Fodder seed to augment fodder production Not Covered

#### **Minimum Standards of Relief:**

DDMA, Dakshina Kannada shall rendered relief to the Disaster Victims as per Minimum Standards of relief suggested by NDMA: SI No **In respect of Relief Camps Steps to ensure Minimum Standards**

##### **1 Shelters**

- ☐ Identification of the Relief Centers in each Block. Each relief centers shall be temporary in nature and must have 3.5 Sq.m of covered area per person.
- ☐ Each centers have basic facilities like Toilets, water Supply, Electricity Supply as well as power back up with fuel etc
- ☐ Safety of inmates and special arrangements to differently able persons, old and mentally serious patients should be giving top most priority.

##### **1 Food**

- ☐ Each relief center must have adequate quantity of food especially for Aged & Children
- ☐ Arrangements of Milk and Other Dairy Products shall be provided to the Children & lactating mothers.
- ☐ Hygiene at community & at camp kitchens.
- ☐ Date of manufacturing and date of expiry on the packaged food items shall be kept in view before distribution.
- ☐ Supplied food with calorie of 2400 kcal per day for adult and 1,700 Kcal per day for infants

##### **2 Water**

- ☐ Sufficient quantity of water shall be provided in the relief camps for personal cleanliness and had wash.
- ☐ Minimum supply of 3liters of water per person per day is made available in the relief camps.
- ☐ In case of safe drinking water is not possible at least double chlorination of water needs to be ensured.
- ☐ Maximum distance from the relief camp to the nearest water point shall be not be more than 500 mts.

##### **4 Sanitation**

- ☐ 1 toilet for 30 persons may be arranged or built.
- ☐ Separate toilet and bath area for women and children.
- ☐ 15 liters of water per person needs to be arranged for toilets/ bathing.
- ☐ Hand wash facilities in the toilets should be ensured.
- ☐ Dignity kits for women shall be provided with sanitary napkins and disposable paper bags with proper labeling.
- ☐ Steps may be taken for control of spread of diseases.
- ☐ Toilets shall not be more than 50 m away from the relief camps.
- ☐ Pit Latrines and Soak ways shall be at least 30m from any ground water source and the bottom of any latrine has to be at least 1.5m above the water level.

☐ Drainage or spillage from the defection system shall not run towards any surface water source or shallow ground water source.

5 Medical Cover ☐ Steps shall be taken to avoid spread of any communicable diseases.

☐ Helpline should be set up and contact number and details shall be adequate publicized.

☐ For Pregnant women, arrangement of basic arrangements for safe delivery

☐ All the hospitals, doctors and paramedical staff are available in short notice. Doctors and paramedical staff should be available on 24x7 basis in the relief centers. In case of referral cases to the hospitals suitable transportation shall be arranged.

☐ Medical emergency/contingency plan should be activated in case of mass casualty.

6 Relief for Widows &

Orphans

☐ Separate register duly counter signed by officials having complete details women who are widowed and for children who are orphaned due to disaster shall be maintained and kept in permanent record.

☐ Special care shall be given to widow and orphaned who are separated from the family.

## **Reconstruction, Rehabilitation and Recovery Measures**

### **Introduction:**

Rehabilitation relates to the work undertaken in the following weeks and months, for the restoration of basic services to enable the population to return to normalcy. Actions taken during the period following the emergency phase is often defined as the recovery phase, which encompasses both rehabilitation and reconstruction.

**Rehabilitation:** Refers to the actions taken in the aftermath of a disaster to enable basic services to resume functioning, assist victims' self-help efforts to repair physical damage and community facilities, revive economic activities and provide support for the psychological and social well being of the survivors. It focuses on enabling the affected population to resume more-or-less normal (pre-disaster) patterns of life. It may be considered as transitional phase between immediate relief and more major, long-term development.

**Reconstruction:** Refers to the full restoration of all services, and local infrastructure, replacement of damaged physical structures, the revitalization of economy and the restoration of social and cultural life. Reconstruction must be fully integrated into long-term development plans, taking into account future disaster risks and possibilities to reduce such risks by incorporating appropriate measures. Damaged structures and services may not necessarily be restored in their previous form or location. It may include the replacement of any temporary arrangements established as part of emergency response or rehabilitation. The following sectors can be vulnerable to disaster impact, and which, therefore, will require rehabilitation and reconstruction inputs.

☐ Buildings

☐ Infrastructure

☐ Economic assets (including formal and formal commercial sectors, industrial and agricultural activities etc.)

☐ Administrative and political

☐ Psychological

☐ Cultural

☐ Social

☐ Environmental

“The disaster scenario offers a range of opportunities for affected communities to respond to the crisis, how community responds to a disaster and post disaster aid sets the tone for the transition from disaster to development”. As discussed earlier rehabilitation and reconstruction comes under recovery phase immediately after relief and rescue operation of the disaster. This post disaster phase continues until the life of the affected people comes to normal. This phase mainly covers damage assessment, disposal of debris, disbursement of assistance for houses, formulation of assistance packages, monitoring and review, cases of non-starters, rejected cases, non-occupancy of houses, relocation, town planning and development plans, awareness and capacity building, housing insurance, grievance redressed and social rehabilitation etc.

### **Post Disaster Reconstruction and Rehabilitation:**

Post disaster reconstruction and rehabilitation should pay attention to the following activities for speedy recovery in disaster hit areas. The contribution of both government as well as affected people is significant to deal with all the issues properly.

☐ Damage assessment

- ☐ Disposal of debris
- ☐ Disbursement of assistance for houses
- ☐ Formulation of assistance packages
- ☐ Monitoring and review
- ☐ Cases of non-starters, rejected cases, non-occupancy of houses
- ☐ Relocation
- ☐ Town planning and development plans
- ☐ Reconstruction as Housing Replacement Policy
- ☐ Awareness and capacity building
- ☐ Housing insurance

#### **Administrative Relief:**

The district is the primary level with requisite resources to respond to any natural calamity, through the issue of essential commodities, group assistance to the affected people, damage assessment and administering appropriate rehabilitation and restoration measures. The district level relief committee consisting of official and non-official members including the local legislators and the members of parliament review the relief measures. When a disaster is apprehended, the entire machinery of the district, including the officers of technical and other departments, swings into action and maintains almost continuous contact with each village in the disaster threatened area.

**Reconstruction of Houses Damaged / Destroyed :** The PWD shall play the main role for reconstruction/repairing of lifeline buildings/damaged buildings. The DDMA shall monitor the issue of reconstruction/repairing of lifeline buildings on regular basis. Houses/buildings should be reconstructed in the disaster hit areas according to the following Instructions:

- ☐ Owner Driven Reconstruction
- ☐ Public Private Partnership Program (PPPP)
- ☐ Under the PPPP the houses are reconstructed by the NGOs for the beneficiaries to be registered in the joint names of the husband and wife.
- ☐ All the houses should be insured.
- ☐ Owner Driven Reconstruction
- ☐ Financial, technical and material assistance provided by the government.
- ☐ The designs for seismic reconstruction of houses provided by the government.
- ☐ The material assistance provided through material banks at subsidized rates.
- ☐ Design of 20 model houses provided to the public to choose from with an option to have one's own design.

#### **Medical Care:**

Specialized Medical Care may be required to help the affected population. Preventive medicine may have to be taken to prevent outbreak of diseases.

#### **Epidemics:**

In the relief camps set up for the affected population, there is a likelihood of epidemics from a number of sources. The strategy should be to subdue such sources and immunize the population against them. The public health centers, health departments can practice vaccination drives, public awareness to drink boiled water, use chlorine tablets to purify the water sources.

#### **Corpse Disposal:**

Disposal of dead bodies is to be carried out as a part of the operation to prevent outbreak of epidemics. Minimum official requirements should be maintained as it is a very sensitive issue. The following points may be considered by the concerned authorities at the time of corpse disposal

- ☐ Mass photographs of corpses,
- ☐ Consent of the relatives or hand over to them

#### **Salvage:**

A major effort is needed to salvage destroyed structure and property. Essential services like communications, roads, bridges, electricity would have to be repaired and restored for normalization of activities.

#### **Outside Assistance:**

During disaster situations, considerable relief flows in from outside, thus there is an immediate need to co-ordinate the relief flows so that the maximum coverage is achieved and there is no duplication of work in the same area.

**Special Relief:**

Along with compensation packages, essential items may have to be distributed to the affected population to provide for temporary sustenance.

**Information:**

Information flow and review is essential part of the relief exercises. Constant monitoring is required to assess the extent of damage, which forms the basis of further relief to the affected areas.

**Social Rehabilitation:****Disabled persons**

- ☐ Artificial limbs fitted to affected persons.
- ☐ Modern wheelchairs, supportive devices provided.

**Children**

- ☐ Orphaned children are fostered.
- ☐ Day centers set up
- ☐ Orphanages established.
- ☐ Child help lines established.

**8.14 Recovery:**

The long-term response plans are related with Recovery and Reconstruction activities on one side and institutionalizing disaster management in district administration on the other side. There are Standard Operation Procedures (SOPs) for the Emergency Support Functions. In long term measures the following actions shall be undertaken duly:

- ☐ Constitution of Emergency Support Functions, Disaster Management Teams, Quick Response Teams, Field Response Teams
- ☐ Refresher trainings for all such teams in a regular interval of time and exercise of Mock Drills

☐ Continuous awareness/sensitization program for the stakeholders and the general Public.

☐ Getting pre-contract with vendors and merchant establishments to procure relief materials in times of disaster

☐ Most of the Line Departments in the District, Autonomous Bodies and Organizations are part of the Emergency Support Functions. The DDMA shall ensure that these actions plans are updated bi annually and practiced through mock drills and other activities in the district. Recovery and rehabilitation is the final step. The incident Command System shall be deactivated as the rehabilitation phase is over. Thereafter the normal administration shall take up the remaining reconstruction works in the disaster-affected areas. These activities shall be performed by the Working Group for relief and rehabilitation under the direction of the DDMA.

**Short term reconstruction activities:**

- ☐ **Repair:** The main purpose of repair is to bring back the architectural shape of buildings to resume their functioning at the earliest.
- ☐ **Restoration:** The main purpose of restoration is to carry out structural repair to load bearing elements. It may involve cutting portions of the elements and rebuilding them or simply adding more structural material so that the original strength is restored.
- ☐ **Strengthening** of Existing Buildings: Strengthening is an improvement over the original strength where the evaluation of the building indicates that the strength available before the damage was insufficient and restoration alone will not be adequate in resisting future impacts.

**Long term reconstruction:**

Activities Reconstruction of housing and associated infrastructure plays most important role in betterment of psychological trauma, livelihood, health, education in entire disaster recovery process. Therefore, it should consist of a comprehensive approach involving rehabilitation of housing, infrastructure, livelihood, health, education, environment, etc. to ensure sustainable development of disaster affected communities. It should be taken into consideration that below mentioned multi-disciplinary activities and approaches should be incorporated in reconstruction process in consultation of the affected community in an institutionalized manner. This would ensure sustainable development of the community.

**Financial Resources for implementation of DDMP**

**Recommendation by 13th finance commission:**

The Thirteenth Finance Commission (2010-2015) has responded very positively to the long pending request for greater allocation of fund for disaster management. The finance commissioner suggested various recommendations to solve the issue in state and district level. Every state has a State Calamity Relief Fund (CRF) for immediate action after math of a disaster.

**SI No****Type of Fund Year of allocation Allocation amount**

1 District Disaster mitigation fund

2 District Disaster Response fund(Pre – Authorization of DC to draw money in the event of an immediate emergency)

**State Allocations**

Section 46 to section 49 of Disaster Management Act, 2005 seeks to provide for the constitution of the following funds:

1. Section 46, Constitution of National Disaster Response Fund

2. Section 47, Constitution of National Disaster Mitigation Fund

3. Section 48, Seeks to provide for the establishment of State & District Disaster Response Fund and Disaster Mitigation Funds.

4. Section 49, Seeks to enjoin upon every ministry or department of Government of India to make provision of funds in its annual budget for the purposes of carrying out the activities or programs set out in its Disaster Management Plan.

**Disaster Risk Insurance:**

Insurance is one of the successful dimension of risk transfer practice used for risk reduction, which

- ☐ Empowers people and economy
- ☐ Shifts burden from aid,
- ☐ Reduce dependence on state intervention
- ☐ Monitors impact of mitigation measures- both quality and extent

**Insurance address the following issues:**

- ☐ It compensate for natural risk income losses to protect and debt repayment capacity.
- ☐ It is practical to implement given the limited kinds of data available in India.
- ☐ It can be provided by the private sector with little or no government subsidies.
- ☐ It avoids the moral hazard and adverse selection problem that have bedeviled most agriculture insurance programs.

**1Proper monitoring and regular updating of DDMP**

Proper monitoring and evaluation of the DDMP the DDMP is monitor and evaluated in every mock drill program. The preparedness and achievement of all the lien Dept. / stake holders are tested. Regular data collection system shall be set up at district

**Post Disaster evaluation Mechanism**

Disasters are always unexpected. Each disaster causes huge loss of human lives, live stocks and property as well. It is said that, every disaster repeats after a particular interval. Also lessons learnt from a particular disaster will help to plan for another potential hazard. Post disaster evaluation mechanism for DDMP meeting of the DDMA will be held within 2 Weeks of facing the disaster like situation if any occurred in the district where the team leaders/ nodal officers of each participating departments/agency shall remain present for the post disaster evaluation of the situation in all respect.

**Conducting mock drills at Block level**

The ultimate objective of the Training program on preparedness and mitigation is to conduct mock drill, which is an artificial scenario of a disaster. The objectives encompassed in the mock drill are to validate the Standard Operating Procedures (SOP) and ascertain the capabilities created by District Disaster Management Committee in managing and responding to natural disasters. The District level mock drill is conducted every year at time in 4-5 different spots. And 20-25 different departments take part in the mock drill to show their achievements/preparedness in the field of evacuation, search, rescue, health and First Aid, garbage clearance, drinking water facility etc. after completion of the mock drill evaluation of the performance of the made in the conference hall of Deputy commissioner office.

**COORDINATON MECHANISM FOR IMPLEMENATION OF DDMP**

## **Introduction**

There are a number of participants in a typical disaster relief operation. Participants may include; national government, local government, national and international humanitarian organizations, expert and volunteer rescue teams, third party logistics providers, suppliers of goods used for disaster relief, and the affected people. The nodal officers of various line Department of the state Government /central Government/CPMF/NGOs/GBOs/cooperate sectors/school authorities /Govt. Hospitals/Private hospitals are linked up with the district authority.

- ☐ In the periodical meeting responsible officers of all the above depts. agencies are invited, offered their views to ensure a better coordination mechanism for implementation of DDMP
- ☐ Coordination with block/village level task forces is also better cared for
- ☐ Linkage with SDMP is also maintained after consulting the DDM

### **DDA will be involved in the following activities**

- ☐ ☐ Providing temporary Shelters
- ☐ ☐ Construction materials
- ☐ ☐ Restoration of infrastructure

### **Fire Services Fire will be involved in the following activities:**

- ☐ ☐ Search and Rescue operation
- ☐ ☐ Evacuation
- ☐ ☐ Public Information

### **PWD**

PWD will be involved in the following activities:

- ☐ ☐ Construction materials
- ☐ ☐ Restoration of infrastructure
- ☐ ☐ Providing temporary shelters

### **Civil Defense**

Civil Defense and Home Guards will be involved in the following activities:

- ☐ ☐ Cordoning of area
- ☐ ☐ Search and Rescue operations
- ☐ ☐ Evacuation
- ☐ ☐ First aid operations

### **Home Guards Providing**

- ☐ ☐ Temporary Shelters
- ☐ ☐ Relief distribution
- ☐ ☐ Reception/Information Centers

### **Department of Health Department**

- ☐ ☐ Of health will be involved in the following activities:
- ☐ ☐ Medical aid(Treatment of injuries and surgical operations)
- ☐ ☐ Health and sanitation
- ☐ ☐ Disposal of Dead(as per customs)

### **Irrigation and Flood**

- ☐ ☐ Control irrigation and flood control Department will be involved in the following activities: Construction materials
- ☐ ☐ Restoration of infrastructures

### **BSNL will be involved in following activities:**

- ☐ ☐ Communication
- ☐ ☐ Reception/Information Centers
- ☐ ☐ Restoration of infrastructures

**Control room** - Emergency ambulance services round the clock through trained paramedics who will be mainly performing functions:

- ☐ ☐ Assessing the patients
- ☐ ☐ Resuscitation
- ☐ ☐ Stabilizing that includes clearing airway
- ☐ ☐ Control of bleeding and circulation, splint age etc.

- ☐ ☐ Rushing the patient to the suitable hospital
- ☐ ☐ Paramedic services in case of disasters
- ☐ ☐ Training of the public students and others in emergency first aid
- ☐ ☐ Maintaining round the clock control room, wireless connectivity with 108 control room.

#### **NGOs/CBOs**

The role of NGOs is a potential key element in disaster management. The NGOs operating at grassroots level can provide a suitable alternative as they have an edge over governmental agencies for invoking community involvement. This is chiefly because, the NGO sector has strong linkages with the community base can exhibit great flexibility in procedural matters vis-à-vis the government.

## **STANDARD OPERATING PROCEDURES (SOPs) AND CHECK LIST**

### **Disaster situations**

Disaster' is defined as a crisis situation causing wide spread damage which far exceeds our ability to recover. Thus by definition, there cannot be perfect ideal system that prevents damage, because then would not be a disaster. Disasters lead to loss of human lives on a large scale. If a formalized and timely response does not take place, the death toll can increase immensely. Therefore each district in coordination with the State formulates a Block Response Plan consisting of Emergency Support Functions(ESFs) related to Communication, Search and

Rescue, evacuation, law and order, medical response and Trauma Counseling, water supply, electricity, warning and transport etc. All of these emergency functions consist of emergency plans that would be activated at the time of emergency. It has to suffocate to ability to recover, only then it can be called as a 'disaster'. Disasters are not totally discrete events. Their possibility of occurrence, time, place and severity of the strike can be reasonably and in some cases accurately predicted by technological and scientific advances. It has been established there is a definite pattern in their occurrences and hence we can to some extent reduce the impact of damage though we cannot reduce the extent of damage itself.

### **Operational Check-Up of Warning Systems:**

It is imperative that preparedness and warning systems are designed to reach the entire population, including seasonal populations and remote locations. These communication systems should be two-way and interactive to allow for verification that warnings have been received, and to be able to monitor the impact of an event. Warning alerts and messages should be geographically specific so that warnings are targeted to those at risk only. It is also advisable to ensure that multiple communication mediums are used for warning dissemination (e.g. mass media and informal communication). Warnings generated should be distributed to those at risk by credible sources (e.g. government, spiritual leaders, and respected community organizations).

Volunteer networks can also be trained and empowered to receive and widely disseminate hazard warnings to remote households and communities. Relying solely on technology, such as mobile telephone communications, which are vulnerable during hazard events, should be avoided. Dissemination systems should be tailored to the needs of individual communities (e.g. radio or television for those with access; and sirens, warning flags or messenger runners for remote communities). Warning alerts and messages should also be tailored to the specific needs of those at particularly high risk (e.g. for diverse cultural, social, gender, linguistic and educational

backgrounds). Messages should incorporate the understanding of the values, concerns and interests of those who will need to take action (e.g. instructions for safeguarding livestock and pets). It is also important to try to minimize the number of false alarms to maintain trust in the warning system.

### **Sl.No Agency responsible Emergency Communication with Hotline Number**

#### **Emergency Communication with Hotline Number**

1 Support Agencies Emergency Management 1077 Fire Departments Ambulance 108 Police 100 State EOC(Warning Point) Electricity

#### **ESF Response Actions, Organizational Setup**

The Response plan establishes an organized setup to conduct ESF operations for any of the Natural and Manmade Disasters. It outlines an implementing framework of sharing resources as per the requirement within National and State level department will be engaged to support during an emergency situation. The Response



Plan has structured the response of all line department i.e. primary and supporting departments to be organized and function together with grouping capabilities, skills, resources, and authorities across the State and district Government with the ESF plan. The plan unifies the efforts of State Departments and supporting agencies to be involved in emergency management for a comprehensive effort to reduce the effects of any emergency or disaster within the state.

The members of Disaster Management team would also heads primary agency and simultaneously coordinate with the secondary agencies. Each of the primary and secondary agencies would also comprise of quick response team trained to carry out their functions at the response site. The success of ESF will be of critical importance and would reflect in the lives saved in the golden hour. Below a list of ESFs has been given which will activate at district level during emergency situation

#### **ESFs Activated at the Time of a Disaster**

##### **ESF - 1 Communications (BSNL)**

The communication ESF is primarily responsible for restoration of communication facilities. The ESF on Communication should ensure the smooth flow of information that can cater to the outreach in a time-sensitive manner at District level in response efforts.

##### **Situation Assumptions**

- There would be a congestion in the network because of increased calls to control rooms due to panic created in the community.

- The initial reports on damage may not give a clear picture of the extent of damage to communication network.

- The affected site may cut off from the state control rooms and the officials on site and

find difficulty in communicating to the District EOC

**Suggested supporting agencies:** NIC, Revenue wireless, Ham Operators, Private telecommunication service operators and mobile phone services operators etc

##### **SOPs for Nodal Agency:**

- Team leader (TL) of Communication ESF will activate the ESF on receiving the intimation of occurrence of the disaster from the State EOC.

- TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.

- TL would establishes contact with the district EOC for First Information Report

- TL requests for reports from local ESF contact persons (this would be the local office of ESF Nodal Agency) to understand the current situation and action taken Based on information given by the supporting agencies,

- TL decides on the need to launch an assessment mission to estimate the extent of damage to telecom services and network as well as to come up with possible arrangements to establishing reliable and appropriate network.

- TL communicates situation to supporting agencies and also requests to provide details on the status of equipment and infrastructure in the affected area(s).

- TL informs the Incident Commander on the status of telecom services.

- TL works out a plan of action for private telecom companies and convenes a meeting of all ESF members to discuss and finalize the modalities.

- TL issues orders to establish systems and reports to EOC, SW, on the action taken. New phone numbers and details of contact persons would also be communicated. If required mobile exchanges would be deployed.

- TL gets the temporary telephone facilities established for the public. Prior information on this would be announced through media

- HAM radio operators would be informed about the current requirements and coordination mechanisms shared.

- TL monitors the situation and arranges emergency staff required to operate established systems.

- TL sends the Sub-division Quick Response (SQR) team at the affected site with the required equipments and other resources.

##### **SOPs for Quick Response Team on Communication**

- The QRT (Quick Response Team) members will reach to the nodal office as soon as they will get instructions from the TL.

- Once the QRTs receive any intimation from the nodal officer to reach at the site they would rush to the site.

- At the emergency site QRT members will take stock of the situation from the IC and would also know about their counter parts.

- QRTs would assess the ground situation and would send sect oral report to the District ESF agency. A sect oral report would contain following contents:



- o An assessment of overall damage, listing specifically:
- o Overhead route damage (in miles/kilometers).
- o Cable damage (in yards/meters).
- o Specific equipment damaged.
- o Establish a temporary communication facility for use by the public
  - ☐ Identify requirements of manpower, vehicles and other materials and equipments Give priority and concentrate on repairs and normalization of communication system at disaster affected areas.
  - ☐ Begin restoration by removing and salvaging wires and poles from the roadways with the help of casual laborers.
  - ☐ Carry out temporary building repairs to establish a secured storage area for the s equipments and salvaged materials.
  - ☐ Report all activities to head office
  - ☐ Begin restoration by removing and salvaging wires and poles from the roadways through recruited casual laborers.
  - ☐ Establish a secure storage area for incoming equipments and salvaged materials.

### **ESF-2 Evacuation:**

The ESF on evacuation is primarily responsible for establishing evacuation plans, identification of fastest evacuation routes and alternate routes and coordinating evacuation logistics during field operations.

#### **Situation Assumptions**

- ☐ Most of the buildings would be damaged and would not remain serviceable.
- ☐ Many structures would be damaged and there would be an urgent need to evacuate.

**Suggested supporting agencies:** Police, Fire Service, Directorate of Health Service and Civil Defense, Army etc

#### **SOPs for Nodal Agency:**

- ☐ Team leader (TL) of Evacuation ESF would activate the ESF on receiving the warning of the disaster from EOC, SW.
- ☐ TL would inform Nodal Officers (NOs) of supporting agencies about the event and ESF activation.
- ☐ TL will direct the QRTs to be deployed at the affected site.
- ☐ TL will gather information on availability of predefined evacuation routes.
- ☐ Where the predefined evacuation routes are not available, the nodal officer would coordinate through EOC, SW, with other ESFs nodal officers and the support agencies about clearing of routes and identifying alternate routes.

#### **SOPs for Quick Response Team on Evacuation:**

- ☐ The QRT members will reach the nodal office as soon as they get instructions to do so from the TL.
- ☐ Once the quick response teams receive an order from the nodal officer for reaching the site they would rush to the site.
- ☐ On reaching at the site the QRT members will take stock of the situation from the Incident Management Team at the site and their counter parts.
- ☐ The quick response teams with the help of local task forces will start evacuating peoples to safe shelters or open areas.
- ☐ The QRT members should concentrate more on evacuation in areas that have been worst affected by the disasters.
- ☐ Reporting about all the activities to head office

### **ESF-3 Search and Rescue:**

Search and Rescue operations are one of the primary activities taken up in a post disaster situation. The promptness in these operations can make a remarkable difference in the amount of loss of life and property.

#### **Situation Assumptions**

- ☐ Local community task forces will initiate search and rescue at residential level
- ☐ Spontaneous volunteers will require coordination
- ☐ Access to affected areas will be limited.
- ☐ Some sites may be accessible only through air routes only

**Support agency:** Department of Revenue, Police, Civil Defence, NDRF & Army

**SOPs for Nodal Agency**

- ☐ R.O. will call the TL of Primary Agency and get the ESF activated.
- ☐ Team Leader of primary agency will call nodal officers of supporting agencies.
- ☐ TL would activate the Quick Response Team.
- ☐ Quick Assessment of the S& R operations through Aerial surveys
- ☐ Assessments of the specific skill sets and the other equipments required.
- ☐ Using IDRN network to check and map the availability of resources in and round the disaster site.

**SOP for Quick Response Team on Search & Rescue**

- ☐ Assessment of damage (locations, number. of structures damaged, severity of damage)
- ☐ The QRTs will be deployed at the affected site.
- ☐ Enlisting the types of equipment required for conducting the S&R
- ☐ QRTs will report the situation and the progress in response activities to the respective EOCs.

**ESF - 4 Law and Order:**

The ESF on Law and Order maintains the law and protects the property and valuable commodities. It is mainly responsible to control crowd and avoid riots situations.

**Situation Assumptions**

- ☐ There would be panic and people will gather at a place.
- ☐ The crowds may go out of control.
- ☐ Riots may also take place.

**Suggested Support Agencies:** Civil Defence, Home guards, Central Paramilitary Forces, Army etc

**SOPs for Nodal Agency**

- ☐ R.O. will call the TL of Primary Agency and get the ESF activated.
- ☐ TL of primary agency will call nodal officers of supporting agencies.
- ☐ TL would activate the Quick Response Team.
- ☐ The QRTs will be deployed at the affected site.
- ☐ Cordoning of area to restrict movement of onlookers, vehicular and pedestrian traffic should be done.
- ☐ Any additional requirements at site to be taken care of.

**SOPs for Quick Response Team on Law and order**

- ☐ Quick assessment of law and order situation in affected areas
- ☐ Support and coordinate with Local Administration
- ☐ Prepare updates on the law and order situation every 4-6 hours and brief the authorities
- ☐ Controlling situations like rioting and looting, and cordon off sensitive areas
- ☐ QRTs will guide property and valuables in affected areas.
- ☐ Control and monitor traffic movement.
- ☐ QRTs will provide diversion of traffic on alternate routes as and when it is necessary.
- ☐ QRTs will also provide information about traffic flow along various corridors, especially heavy traffic or congested roads.
- ☐ QRTs will communicate to police control rooms, details on the field activities including deployment and reinforcement of staff and resources and communicate nature of additional requirements.

**ESF -5 Medical Responses and Trauma Counseling:**

The ESF on Medical Response and Trauma Counseling will look after emergency treatment for the injured people immediate after the disaster take place.

**Situation Assumptions**

- ☐ Emergency Medical services will be required by affected population
- ☐ Likely outbreaks of epidemic diseases after the disaster.
- ☐ Hospital services would be affected

**Suggested Support Agencies:** PMCH, Central Hospital BCCL, TMH TISCO etc

**SOPs for Nodal Agency**

- ☐ R.O. will call the TL of Primary Agency and get the ESF activated.
- ☐ Team leader (TL) of primary agency will call nodal officers of supporting agencies.

- ☐ In coordination with the transportation ESF, it will ensure a critical number of medical professionals to be reached at the site including specialists from other states.
- ☐ If temporary housing arrangements are being made for the affected population, the ESF must ensure high standards of sanitation in settlements in order to reduce epidemic outbreak.
- ☐ Ensuring the provision and continuous supply of medical facilities (medicines, equipments, ambulances, doctors and manpower etc) required at the disaster affected site and the hospital health centers catering to disaster victims.
- ☐ In case of orthopedic care required in disasters like earthquakes the immediate response would have to be complimented by a follow up treatment schedule for a majority of the patients in/ near their place of residence.
- ☐ Trained professionals should be mobilized by psychosocial support.
- ☐ Ensuring setting up of temporary information centers at hospitals with the help of ESF through help lines and warning dissemination system.
- ☐ TL will coordinate, direct, and integrate state level response to provide medical and sanitation health assistances.
- ☐ On the recommendations of the EOC, SW, the TL also responsible to :
  - o Send required medicines, vaccines, drugs, plasters, syringes, etc.
  - o Arrange for additional blood supply. Send additional medical personnel equipped with food, bedding and tents etc.
  - o Send vehicles and any additional medical equipment.

#### **SOP for Quick Response Team (QRT) on Medical Response and Trauma Counseling**

- ☐ QRTs will provide situation and progress report s on the action taken by the team to the respective EOCs
- ☐ QRT's will assess type of injuries, number of people affected and possible medical assistance needs
- ☐ QRTs will ensure timely response to the needs of the affected victims such as: Establishing health facility and treatment centers at disaster sites. Providing medical services as reported by the Chief District Medical Officer with District Control Room.
- ☐ Procedures should be clarified in between:
  - ☐ Peripheral hospitals
  - ☐ Private hospitals
  - ☐ Blood banks
  - ☐ General hospitals and
  - ☐ Health services established at transit camps, relief camps and affected villages. QRTs should maintain check posts and surveillance at each railway junction, ST depots and all entry and exit points from the affected area, especially during the threat or existence of an epidemic.

#### **ESF- 6 Water Supply:**

The ESF on drinking water and water supply will ensure provision of basic quantity of clean drinking water and water for other purposes in a manner that does not allow the spread of diseases through the contamination of water.

#### **Situation Assumptions:**

- ☐ Existing water storage bodies will be damaged and unusable.
- ☐ There would be an urgent need of water to assist victims in rescue operation.
- ☐ Break down of sanitation system.
- ☐ Contamination of water due to outflow from sewers or due to breakage of water pipelines.

#### **Support Agency: PHED SOPs for Nodal Agency**

- ☐ Team leader (TL) of ESF on Water Supply will activate the ESF on receiving the intimation of the disaster from EOC, SW.
- ☐ TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- ☐ Will ensure special care for women with infants and pregnant women.
- ☐ Provide for sending additional support along with food, bedding, tents
- ☐ Send vehicles and any additional tools and equipments needed.

#### **SOP for Quick Response Team (QRT) on Water Supply**

- ☐ QRTs will ensure that supply of drinking water is made available at the affected site and relief camps
- ☐ QRT's will ensure the temporary sewerage lines and drainage lines are kept separate.

- ☐ QRTs will report the situation and the progress on action taken by the team to the EOC, SW.
- ☐ QRTs will intimate their TL of the additional resources needed.
- ☐ Carry out emergency repairs of all damages to water supply systems.
- ☐ Assist health authorities to identify appropriate sources of potable water.
- ☐ Identify unacceptable water sources and take necessary precautions to ensure that no water is accessed from such sources, either by sealing such arrangements or by posting the department guards.
- ☐ Arrange for alternate water supply and storage in all transit camps, feeding centres, relief camps, cattle camps, and also the affected areas, till normal water supply is restored.
- ☐ Ensure that potable water supply is restored as per the standards and procedures laid down in “Standards for Potable Water”.
- ☐ Plan for emergency accommodations for staff from outside the area.
- ☐ QRTs will ensure timely response to the needs of the affected victims.
- ☐ QRTs will set up temporary sanitation facilities at the relief camps.

#### **ESF – 7 Reliefs (Food and Shelter):**

In the event of a disaster there would be a need of disbursing relief materials due to massive destruction of life and property taken place. The ESF on Relief should ensure coordination of activities involving with the emergency provisions of temporary shelters, emergency mass feeding and bulk distribution of relief supplies to the disaster victims as also the disaster managers and relief workers.

#### **ESF-8 Equipment support, Debris and Road clearance:**

The importance of this ESF emanates from the fact that most large scale hazards such as earthquakes, cyclones, floods primarily affect the building structures.

##### **Situation Assumptions**

- ☐ Access to disaster-affected area would depend upon the re-establishment of ground and water routes.
- ☐ Early damage assessment may be incomplete, inaccurate and general. A rapid assessment may be required to determine response time.
- ☐ Engineers and masons may be required in large scale for the inspection of present buildings

**Support Agencies:** RTO, Fire Service etc

##### **SOPs for Nodal Agency:**

- ☐ Team leader (TL) will activate the ESF on receiving the information of the disaster from EOC, SW.
- ☐ TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- ☐ TL will coordinate with the supporting agency to mobilize equipments from the ware houses through IDR database
- ☐ The respective supporting agencies will contact their respective personal to move the equipments to central warehouse
- ☐ The equipments like JCB, concrete cutters identified as per the need will be transported to the site.
- ☐ As per the information the nodal officer of Debris road clearance will make an assessment on of the damages of roads and built structures at the site and surrounding areas
- ☐ The nodal officers of Supporting Agencies will immediately start debris clearance operation to enable movement to the affected site.
- ☐ Review of the current situation is taken up by the nodal agency to update the support agencies and to delegate their respective personnel to take precautionary measure to plan de-routes for the transportation ESF's to be operational
- ☐ All supporting agencies will inspect the road and rail network and structures within the disaster site and surrounding.
- ☐ TL will also ensure proper corpse disposal and post mortem by coordinating with ESF on medical response.

#### **ESF-9 Electricity:**

The ESF on electricity will facilitate restoration of electricity distribution systems after a disaster. In the event of a disaster there would be major electricity failure and many power stations damaged.

##### **Situation assumptions**

- ☐ Prolonged electricity failure.
- ☐ The affected victims may be panicked
- ☐ Halt of all activities specially jamming communication networking systems in the affected site.

**Support Agencies:** MESCOM **SOPs for Nodal Agency:**

- ☐ R.O. will call the TL of Primary Agency and get the ESF activated.
- ☐ TL of primary agency will call nodal officers of supporting agencies.
- ☐ TL would activate the State Quick response Team.
- ☐ The QRTs will be deployed at the affected site.
- ☐ TL will dispatch emergency repair teams equipped with tools, tents and food.

#### **SOP for Quick Response Team on Electricity**

- ☐ The QRT members will reach the nodal office as soon as they get instructions to do so from the TL.
- ☐ QRT members would reach to the site immediately after receiving instructions from the nodal officer
- ☐ On the site QRT members will take stock of the situation from the IC at the site and their counter parts.
- ☐ The QRTs will coordinate, collect, process, report and display essential elements of information and facilitate support for planning efforts in response operations.
- ☐ Begin repairing and reconstruction work
- ☐ Assisting hospitals in establishing an emergency supply by assembling generators and other emergency equipments, if necessary.
- ☐ The members of QRTs will establish temporary electricity supplies for other key public and private water systems
- ☐ The members of QRTs will establish temporary electricity supplies for transit camps, feeding centers, relief camps, District Control Room and on access roads to the same.
- ☐ The members of QRTs will establish temporary electricity supplies for relief material go downs.
- ☐ Compile an itemized assessment of damage, from reports made by various electrical receiving centers and sub-centers.
- ☐ Report about all the activities to the head office.

#### **ESF -10 Transports:**

The ESF on Transport should ensure smooth transportation links at state and district level. Within the disaster context, quick and safe movement of material and humans are a priority. It should coordinate the use of transportation resources to support the needs of emergency support forces requiring transport capacity to perform their emergency response, recovery and assistance missions.

#### **Situation assumptions**

- ☐ The state civil transportation infrastructure will sustain damage, limiting access to the disaster area.
- ☐ Access will improve as routes are cleared and repaired.
- ☐ The movement of relief supplies will create congestion in the transportation services.

#### **Support Agencies: RTO, PWD, etc**

#### **SOPs for Nodal Agency:**

- ☐ TL of Transportation ESF will activate the ESF on receiving the intimation of the disaster from EOC, SW.
- ☐ TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- ☐ TL establishes contact with the district EOC for FIR
- ☐ TL requests for reports from local Transportation ESF contact person
- ☐ TL communicates situation to support agencies and requests for detailed information on the status of transportation infrastructure in the affected area(s).

#### **SOP for Quick Response Team on Transport**

- ☐ The QRT members will reach to the nodal office as soon as they will get instructions to do so from the TL.
- ☐ As quick response teams will receive instructions from the nodal officer they would reach to the site immediately.
- ☐ QRTs would report the situation and the progress on action taken by the team to the respective EOCs
- ☐ QRT will send a requirement schedule for the different modes of transportation eg. trucks, boats, helicopters to be put on stand-by.
- ☐ QRTs will ensure timely re-establishment of the critical transportation links.
- ☐ The members of QRTs will establish temporary electricity supplies for relief material godowns.
- ☐ Compile an itemized assessment of damage, from reports made by various electrical receiving centers and sub-centers.
- ☐ Reporting about all activities to the head office.

## **Standard Operating Procedure for Departments:**

**1. Revenue Department:** The Revenue Department has been the main department entrusted with the responsibility to coordinate and manage the disasters caused by the Hazards. The department is assisted by the concerned departments/agencies to fulfill the responsibilities assigned. Pre disaster period is the normal times before the disaster months and also the time period just before the first hazard alerts are given by the meteorological department or the CWC/ Irrigation department (Floods).

### **Normal Times:**

- ☐ Holding a meeting of DDMA and with district officials concerned twice in a year before the months of April and September for reviewing the precautionary measures to be taken as per the DM Plans.
- ☐ Ensure the communication systems are fully functional for easy and quick dissemination of information. Identify any additional requirement of equipment and operating personnel.
- ☐ Updating the list of Voluntary Organizations and NGOs their contact addresses in the district.
- ☐ Ensure Mock drills are carried out periodically. Plan and organize training programs, mock drills etc. for improving community awareness and preparedness for facing the disasters till the other agencies step in.
- ☐ Prepare an exhaustive list of equipments used during emergencies such as tractors, bulldozers, transport vehicles, communication equipments, pump sets, power generators etc., their availability with Govt. and private agencies and ensure that they are in operational condition.
- ☐ Identify vulnerable points/areas in the flood banks.
- ☐ Prepare a list of all utility items for meeting any emergency, check their availability in sufficient quantities, make inventory and provide them for reference and use at all levels.
- ☐ Devise and implement continuous plan of action to cut, remove and destroy all thorny bushes and trees in vulnerable areas. They become death traps for people.
- ☐ Keep adequate number of floats like tyres, inflated rubber tubes, wooden planks, and bamboos tied as small platform for people to use for floating during floods.
- ☐ Ensure positioning of adequate quantities of vaccines in the respective storage depots. And medical facilities should be increased and Hospitals/PHCs equipped in such a way that they are able to meet emergency situations and requirement of the affected people.
- ☐ Ensure that the Veterinary Dept. should plan and strengthen the systems for ensuring prompt veterinary services to the animals and poultry birds. And ensure positioning of adequate quantities of life saving drugs and constitution of medical / Para medical teams.
- ☐ Identification of suitable higher places for construction of Helipads. And Plan for construct shelters in any newly identified vulnerable areas. Ensure that the existing shelters are maintained in fit condition.
- ☐ Storage facilities for food and essential items should be augmented and inventories are maintained
- ☐ Review the existing flood control structures such as river dams and bunds of rivers, canals and tanks. Based on previous experience, build new bunds and raise/strengthen the existing bunds.
- ☐ Review the power distribution system the transmission and distribution towers should be designed to withstand the extreme condition of winds in cyclone.
- ☐ Ensure that the line departments mainstream DM activities in their departmental Plans and also review the progress made during each year.

### **Pre Disaster:**

- ☐ The control Rooms should function round the clock till the necessarily ceases. Its contact numbers should be notified in the district editions of the News Papers and also communicated to all Officers in the district. All reference data, copies of all the contingency plans of district and departments with maps and updated DM Plan should be made available.
- ☐ Appoint Nodal Officers to oversee the implementation of Disaster Situation to cover all the vulnerable Villages. They should be positioned in the threatened area to coordinate the evacuation and response action of the stakeholders.
- ☐ Inspect the Cyclone Shelters and take up repairs as necessary. And identify all vulnerable points/areas in the flood banks. Ensure that inspection of lock points of rivers and mouths and outlet points of drains.
- ☐ Ensure inspection of flood and cyclone stores and make available the required material.
- ☐ Organize mass media campaign for Awareness generation among public on natural hazards, which will help build the knowledge, attitude and skills of the people in vulnerability reduction and suitable disaster risk management measures.

□ Communicate immediately the first flood warning to the likely affected area up to Village level and alert all concerned to prepare for facing the disaster. The Control Room at Dist. will keep in constant touch with flood warning centers, obtain updates and communicate at frequent intervals.

**During Disaster:**

□ The Officer in-charge of the Control Room should maintain a record of incoming and outgoing messages. All the incoming messages should be sent to DC and ADC and in their absence the DRO.

□ All the warnings should be communicated immediately to all the district officers, Divisional officers, wireless, Telephone etc. Record of the messages sent should be maintained.

□ The Deputy Commissioner shall convene a meeting with all the District Officer at the earliest and issue instructions to all the Nodal Officers or Special Officers to proceed to the areas allotted immediately and report to the Collector that they have reached their PS headquarters, allotted to them and should not leave the area till the clearance is received from the Collector.

□ Evacuate marooned and stranded people to safer places such as flood shelters, high raise buildings, schools etc.

□ Monitor and rescue people continuously by organizing search through Army, Navy, Air force, Voluntary and youth organizations by deploying navy boats and helicopters. Make arrangements for moving such affected people to the nearest relief camps.

□ Keep details of availability of equipment such as power generators, tractors, bulldozers, transport vehicles, communication equipments, pump sets etc; their availability with Govt. and Private agencies, for evacuation and ensure that they are in operational condition. (District, Division, PS)

□ Keep adequate number of vehicles ready at the nearest possible point/area to evacuate people in time before the hazard strikes. (District, Division, PS)

□ Keep adequate number of floats like tires, inflated rubber tubes, wooden planks, bamboos tied as small platform for people to use for floating during flood situation. (Community, village and PS)

□ Provide first aid and medical assistance for injured and sick people. Special care should be taken for the aged and disabled people, children and pregnant women.

□ Deployment of staff in their respective areas with medicines. Nominate medical officers to coordinate with Thana officers.

□ Finalize shelter places in the villages as per the inventory and indentified locations in the map, and arrange temporary shelters using tents, Tarpaulins, Plastic sheets etc. Provision of electricity to the identified shelters.

□ Deploy Police personal and Volunteers for law and order and provide medical help, if needed transport cases to nearby PHCs/Medical Aid-posts. Liaise with Railways, APSRTC and RTA to provide rescue and relief to stranded passengers.

□ Relief camps for provision of food and drinking water for the evacuated people. Provide temporary sanitation measures for men and women. Ensure adequate security through police at relief camps and at the evacuated villages.

□ Identify safe elevate places for animals and advise cattle owners to move them as soon as the order for evacuation is given. And provide fodder & water to the animals where feasible, Carcasses of dead animals should be done quickly to prevent outbreak of infection.

**Post Disaster:**

□ Huge relief material stocks would be arriving from outside of the affected area and this requires advance planning, provision of staff for receiving, sorting, distribution and dispatch to the areas needing the material.

□ Restoration of Road and Tele-communication, Electricity, Drinking Water Supply and House construction to the effected people on priority basis.(District, Thana, Village)

□ Proper record should be made for the dead and missing persons and notify to the concerned authorities for providing compensation on short and long term basis.

□ Ensure Mass inoculation and vaccination program in the affected areas to prevent outbreak of epidemics by coordinating with Medical & Health Department. Additional medical facilities, hospital and PHCs may be planned and built for meeting increasing requirements.

□ Continue Search and disposal of the dead bodies and the carcasses. Ensure sanitation of highest order is maintained at relief camps and affected villages.

- ☐ It is essential that spread of epidemics is prevented among people and animals. Respective Departments should take adequate measures by improving sanitation, drinking water and by vaccination. NGOs and other voluntary organizations should be encouraged to run community kitchens at relief camps and marooned.
- ☐ The Dist. authorities and Line departments should provide comprehensive loss reports to the visiting State and central Govt. teams for arranging compensation. Record all the relief measures taken
- ☐ Supply of all essential commodities, such as rice, wheat, pulses, salt, kerosene, diesel etc. should be ensured to all the habitats in the disaster affected areas.
- ☐ Enumeration of Losses and Damages in a systematic manner, documenting and reporting the same.

#### **Village level:**

- ☐ Convening of the meetings of the Village Committees under the Chairmanship of the concerned Village Accountant during the first week months of April and September to discuss about the preventive steps.
- ☐ Formation of Village Level Teams for assisting evacuation, patrolling etc.,
- ☐ Identification of area from which people are like to be evacuated to safer places in case of cyclone or floods.
- ☐ Identification of low lying areas in the village.
- ☐ Identification of areas which people are likely to be evacuated to safer places in case of cyclone or floods.
- ☐ Preparation of list of phone numbers of Officials concerned at District, Divisional, and Village level.
- ☐ List of fishermen families and particular of boats with addresses of owners, if it is a fishermen village.
- ☐ Identification of Relief Centers and the areas tagged and on to the Relief Centers. Preparation of the list of BPL families in the village.
- ☐ List of fishermen families and particulars of boats with addresses of owners, if it is a fishermen village.
- ☐ Identification of storage facilities.
- ☐ Availabilities of cooking vessels.
- ☐ List of private vehicles such as Tractors, Jeeps, etc., in the village.
- ☐ List of nearby private hospitals with phone numbers of Doctors etc.,
- ☐ List of tanks affecting Railway, if any, in the village.
- ☐ Identify higher places for the standing for the cattle in the case of flooding.
- ☐ List of cyclone shelters, other public & Private buildings, temples, churches etc.,

#### **Official responsibilities-**

- ☐ Operationalization the Emergency Operation Centre. During Disaster overall control & supervision
- ☐ Finalization of reports and declaration of Emergency
- ☐ Enforcement of the DM act 2005
- ☐ Mobilization of finance
- ☐ Coordinate with state response Coordinator (SRC) /SDMA/NDMA as per the need of the hour and regularly apprised the state government of the situation.
- ☐ Co-ordinate with Emergency Support Function Depts./agencies for provision of emergency response ,relief and supply
- ☐ Undertake assessment of situation
- ☐ In the event of uncertainty, determine which agency is to perform its statutory response role within the District or within a specified area the District, where more than one agency/department is empowered to perform that role
- ☐ In the event of imminent disaster or the event occurring he will take following actions: Set up information desks at critical locations concerned officers in the revenue, Public health, Agriculture, Veterinary, police, power Telecom ,Public health engineering, community & Rural Development, irrigation, Public Works Departments, Civil Supply, to be called to fulfill their respective Emergency Support Functions.
- ☐ Concerned departments will be directed to get ready with emergency tool kits and necessary personnel it will be ensured that all officers remain headquarters until the situation gets back to normal.
- ☐ Maintenance of law & order.
- ☐ Briefing the press at regular intervals.

**2. Police Department:** The Police Department is one of the key Government departments. Both in the normal times when no disasters occur and in times of disasters, this department is an asset to community and it has to respond very well in various critical events.

#### **Normal Times :**



- ☐ SP of Dist. will make arrangements for providing adequate number of mobile VHF sets up to District/village Police stations for meeting the exigencies.
- ☐ Ensure that Police stations are equipped with sufficient number of cars/jeeps fitted with wireless sets and trained personnel to handle them.
- ☐ List out trained persons responsible at Dist and Village level Police stations for disaster management activities with details of address and phone numbers. Provide this list to Dist Collector and concerned line departments.
- ☐ Prepare a Dist. wise list of retired/reserve constables/drivers/ other use-full personnel. Their services could be used during future emergencies. The lists will be kept in all Police stations in vulnerable areas.
- ☐ Plan and execute Dist. wide training programs for Police personnel with improved techniques for better management of disasters in future.

**Pre Disaster Phase:**

- ☐ The Police authorities shall provide VHF/Mobile wireless sets with operators in Control Room at Deputy Commissioner and at other temporary Control Rooms already setup. Ensure adequate numbers of VHF sets are provided at Police Station and vulnerable villages for effective communication.
- ☐ Establish communication with Control Room. Wireless station to be kept round the clock if necessary wireless stations to be set near the villages. And keep the officers standby.
- ☐ Collect information of vulnerable points and diversion routs for all Roads in the district from the engineering departments responsible for the maintenance and plan for traffic control.
- ☐ Procurements of necessary equipment, storage of petroleum and other lubricants.
- ☐ Pass effectively all communications of warnings and precautions received from Control rooms and media to the public through announcements and by loud speakers.
- ☐ Training to teams on Disasters, roles and responsibilities and allotment of duties to these affected areas.

**During Disaster Phase:**

- ☐ Ensure passage of warnings and precautions to the people in affected areas of Village Police Communication network. Alert teams and arrange to deploy them at risk points.
- ☐ Keeping close contact with Deputy Commissioner, and collect all vital information and inform district authorities. And Coordinate the search & rescue operations.
- ☐ Superintendent of Police will coordinate with Deputy Commissioner and other agencies for providing assistance to rescue and evacuate people in the affected areas of Thanas and Villages.
- ☐ Identification of sensitive areas and patrolling, patrolling on important building/highways
- ☐ Close contact with armed forces for specialized assistance/equipment for search and rescue.
- ☐ Establish radio communication to assist evacuation, information dissemination and checking rumors.
- ☐ Evacuation of People & immediate reporting to higher authority
- ☐ Assist seriously injured persons to go to treatment centers.
- ☐ Assist and encourage the community in road-clearing operation.
- ☐ Traffic management and patrolling as required
- ☐ Identify the register the name of the dead and disposed persons.
- ☐ Help revenue and medical department in transporting Injured and sick persons to Medical centers.
- ☐ Ensure enforcement of law and order in the affected/evacuated villages and at shelters to avoid thefts and unlawful acts.
- ☐ Assisting the community in organizing emergency transport for injured

**Post Disaster Phase:**

- ☐ Continue to pass warnings and precautions to the people in affected areas. Introduce latest transport and communication facilities.
- ☐ Assist local officers in identifying the dead persons and for making proper records. Continue to Coordinate with DCs for rescue, relief and rehabilitation. Police Dept. should provide maximum services by getting additional persons from Police stations of unaffected Districts. They should further coordinate and assist NCC, Scouts, Guides, Army, Navy and Air force personnel in all rescue, relief and rehabilitation activities.
- ☐ Update list of trained Police personnel at Police Station and provide them to concerned authorities. And update lists of retired constables and drivers in each.
- ☐ Provide assistance to people who are in a position to move from relief camps to their places where ever normalcy returns. Ensure strict maintenance of law and order in the affected/evacuated villages and at shelters.

- Officers made available to inquire into and record of deaths, and make arrangements for post mortem of dead person with legal procedure for speedy disposal. Assistance to district authorities for taking necessary action against hoarders, black marketers and those found manipulating relief material and Provide security / band bust to VIPS.
- Provide security in transit and relief camps, affected areas, lifeline infrastructures & services, ensure identified are cordoned off
- Provide security arrangement for visiting VVIPS and VIPs
- Assist administration to take necessary actions against holders, black marketers and those manipulating relief materials.
- Support administration, Medical, community members in disposing dead bodies

### **3. Medical & Health Department**

#### **Normal Phase:**

- DHO of District Hospital shall prepare a Hospital Disaster management Plan to deal with mass causality management and emergencies.
- Take precautionary measures for hospital safety during disasters since hospitals are life line buildings so as to serve uninterruptedly. All structural and non- structural measures shall be taken up to make hospital safe.
- Conduct mock drills in normal times to have an idea about hospital preparedness.
- To identify the requirements of equipment and medical stocks that is needed during various kinds of emergencies.
- To build network with referral hospitals, blood banks, ambulance services, etc.
- To prepare a contingency plan as a part of Hospital DM Plan to handle specialized emergencies during Chemical, Industrial, Nuclear Disasters, etc.

#### **Pre Disaster Phase:**

- Prepare a list of precautions to be taken by the public before, during and after the disaster to ensure that they maintain normal health under adverse conditions during the disasters and arrange for propagation in the Block.
- BMOH to prepare and circulate in vulnerable areas, a list of precautions to be taken by the public before, during and after the disaster to ensure that they maintain normal health under adverse conditions.
- Plan methods for quick transportation of seriously injured and sick person from disaster areas to specialties hospitals for effective treatment.
- Keep teams of doctors ready with stocks of medicines required for relief to move to vulnerable areas in short time. Stock adequate quantities of medicines, lifesaving drugs, disinfectants, vaccines, inoculations and chlorination equipment.
- Ensure availability of adequate doctors, trained personnel, medical stores and equipment for movement at short notice to vulnerable areas. Make provision of sufficient number of ambulances and transport vehicles. Plan additional space for extra beds in hospitals/PHCs.
- Plan for establishment of field medical centers, mobile clinics, emergency operation centers and trauma counseling centers at vulnerable areas on short notice.
- Plan for stocking sufficient quantities of blood of different groups at nearby Blood banks. Update the list of Govt. /private doctors and supporting staff whose services can be utilized during emergencies. Instruct them to be in readiness to move at short notice.
- BMOH to prepare and circulate in vulnerable areas, a list of precautions to be taken by the public before, during and after the disaster to ensure that they maintain normal health under adverse conditions.

#### **DURING DISASTER PHASE:**

- BMOH will be in regular touch with District Collector and Control room to know the severity of situation and extend medical services accordingly in the affected areas. A medical control room at district and division levels shall be established with help lines.
- Where ever necessary seriously injured and sick persons are shifted to Dist./State/Referral hospitals for specialist services. Provide first aid and medical assistance for injured and sick people. Special care should be taken for the aged and disabled people, children and pregnant women.
- BMOH will move maximum number of medical and Para medical teams, ambulances and mobile hospitals with adequate equipments, medicines etc. to the affected area and provide medical assistance round the clock to the people. Each team should be allotted specific place in the disaster area and specified relief centers.

- BMOH should take all measures to ensure that replenishments are made continuously. BMOH will requisition the services of medical teams from unaffected Districts. For use in disaster affected areas. BMOH will liaise with State for providing additional specialists teams and equipments from State headquarters and other States.
- Ensure that sufficient numbers of temporary medical camps are set up in the affected areas. BMOH will take maximum precautions to prevent breakage of epidemics/water borne diseases in the disaster areas.
- Utilize the services of private doctors, allopathy, ayurveda and Homeopathy in the disaster-affected areas. Organize mobile health units and temporary hospitals for providing medical relief and for preventing break of epidemics. Teams of specialist doctors will tour affected areas with adequate medicines and equipments for providing on the spot specialist services.

#### **Post Disaster Phase:**

- BMOH to continue provision of medical facilities at the affected areas and relief camps till the people return to their places. Ensure adequate measures to continue for preventing break of epidemics by using disinfectants and chlorination.
- BMOH will obtain information on the medical relief provided at disaster areas, quantities of medicines used, the quality of services provide by medical and Para medical staff, the adequacy of medical facilities available at vulnerable areas and forward to State for future action.
- Maintain a record of persons treated with full details and particulars for reference at later date. Update and send plans for additional requirement of facilities, infrastructure to be created at vulnerable areas. Prepare a document on the event and send to State authorities for reference in future.
- Ensure that at BMOH levels are in constant touch with Control rooms, know the latest situation and expand medical facilities accordingly.
- Ensure continuation of educating people on precautions to be taken for maintaining hygiene and health in adverse conditions. BMOH to continue provision of medical facilities at the affected areas and relief camps till the people return to their places.
- Ensure adequate measures to continue for preventing break of epidemics by using disinfectants and chlorination. BMOH will obtain information on the medical relief provided at disaster areas, quantities of medicines used, the quality of services provided by medical and Para medical staff, the adequacy of medical facilities available at vulnerable areas and forward to State for future action.
- Maintain a record of persons treated with full details and particulars for reference at later date. Update and send plans for additional requirement of facilities, infrastructure to be created at vulnerable areas. Prepare a document on the event and send to State authorities for reference in future.
- Vector borne like malaria, filarial, dengue, chikungunia, Japanese encephalitis, sprinkling of bleaching power and lime on the drains and roads to prevent gastro enteritis with the help of Sanitation team.
- During the natural calamities the immune states of the children will reduce naturally. Hence there is need of Post disasters immunization like Polio, Measles and Vitamin- A.

#### **4. Animal Husbandry Department:**

##### **Normal Phase:**

- Demographic profile of families engaged in fishing, fish farming, poultry, dairy, sheep, goat and pig rearing, their location, unit size etc will be mapped and provided to Village levels. The fishing activity includes, fishing on sea, rivers, canals, lakes, tanks, brackish waters etc.
- Cattle rearing community at vulnerable places will be advised not to go for heavy animals, since shifting them during disaster period would be difficult. Plan and implement schemes for educating fishermen and animal rearing communities of the vulnerable villages, on the measures to be taken before/during/after cyclones to avoid loss of lives and properties and animals.
- Sufficient publicity will be planned at villages through visual education, training and mock drills. Identify safe shelter places for animals with adequate fodder and water facilities in all vulnerable villages for use during disasters.
- The department has to prepare a departmental DM plan including resource inventories, list of shelter places, medical needs, awareness generation plan, etc. The mitigation measures for life loss shall be detailed worked out.

##### **Pre Disaster Phases:**

- District authorities will activate control rooms, flood-warning centers. Ensure that flood warnings and precautions are properly received by the vulnerable communities and prepare them to face the disaster.

- Demographic profile of families engaged in fishing, fish farming, poultry, dairy, sheep, goat and pig rearing, their location, unit size etc will be mapped and provided to taluka and Village levels. The fishing activity includes, fishing on sea, rivers, canals, lakes, tanks, brackish waters etc.
- Cattle rearing community at vulnerable places will be advised not to go for heavy animals, since shifting them during disaster period would be difficult. Move cattle, sheep, goats, pigs etc to safer cattle yards from vulnerable areas and provide fodder and water
- Ensure that boats and other equipments of fishermen are moved to safer places and secured in association with fisheries department. Staff meant for emergency duties will be sent to their respective places of work and will be ready to undertake rescue and relief measures.
- Provide medical help to distressed animals.
- Chalk out a strategy to deal with drought situation so as to ensure continuous supply of fodder and water to the animals.

#### **During Disaster Phase:**

- The control rooms and flood-warning centers at Districts will provide/send warning and other information to all affected areas. The dept will ensure that flood warnings and precautions are properly received by the vulnerable communities and face the disaster.
- Blocks and Villages will arrange for shifting fishermen staying very near the sea and at low lying areas to safer places and relief camps. Ensure that boats and other equipments of fishermen are moved to safer places and secured.
- Ensure that poultry farms take measures to safeguard their poultry birds and equipments. Move cattle, sheep, goats, pigs etc to safer cattle yards from vulnerable areas and provide fodder and water
- Arrange for providing medical help to distressed animals. Ensure sufficient quantities of medicines and vaccines are stored at places nearer to the vulnerable villages. Arrange for visits of veterinary doctors to affected villages.

#### **Post Disaster Phase :**

- Ensure that control rooms and flood-warning centers at Block will continue sending messages to the affected villages.
- Plan and implement schemes for educating fishermen and animal rearing communities of the vulnerable villages, on the measures to be taken before/during/after floods to avoid loss of lives and properties and animals. Sufficient publicity will be planned at villages through visual education, training and mock drills.
- For increasing the awareness among fishermen community, provide training/conduct mock drills.
- Coordinate for veterinary help to distressed animals. Ensure supply of medicines and vaccines at places nearer to the vulnerable villages. Coordinate for mass vaccination wherever necessary. Plan for strengthening storage facilities for medicines and vaccines.
- Private Doctors to establish veterinary service centers in vulnerable areas. Plan for more mobile health units for cattle.
- Provide sufficient food/fodder/water for animals kept at safe yards. Coordinate for veterinary help to distressed animals. Ensure supply of medicines and vaccines at places nearer to the vulnerable villages.

**5. Agriculture Department:** Agriculture Department always sustains losses/damage when floods and cyclone occur in the State. The quantum of losses is proportional to the intensity, time and duration of the hazard. It is difficult to prevent such losses but remedial measures can be taken to save the crops and if this is not possible to go in for alternative measures suitable for the area and type of soil.

#### **Normal Phase :**

- Plan and equip the Dist. to have latest technologies to assess the standing crop position, with reference to probable disaster, mechanism to advice farmers for safe guarding and in case of losses, procedures to estimate the damages and to inform State authorities.
- Ensure that regular feedback is provided by Block indicating seriousness of disaster, level of distress, position of standing crop and likely losses.
- Districts will prepare a long term action plan for meeting relief requirements of farmers in vulnerable areas.
- Estimate drought proneness and plan for such contingencies
- Create awareness among farmers on various kinds of threats and possible mitigation measures
- Prepare departmental action plans with all plausible mitigation measures to minimize crop losses with long term perspective

**Pre Disaster Phase:**

- ☐ Collect standard data base village wise, crop wise, survey number wise, former wise data from village revenue inspector
- ☐ Formation of village, Block, division, and district level disaster team with other departments consisting Agriculture, veterinary, Sericulture, Fisheries, Horticulture, Revenue, Panchayat Raj, Irrigation, and Drainage etc.
- ☐ Existing seed storage godowns (Seed store/oil seed godowns etc) are to be repaired for storing of seeds during calamities. Formation of seed banks with the help of RMGs. RMGs are encouraged to construct pucca godowns to store harvested produce under Govt. schemes.
- ☐ Preparation of Contingency plan for the department
- ☐ Assignment of roles and responsibilities to all the staff so that they can act accordingly at the time of a disaster.
- ☐ Listing down of available resources within the department that can be utilized at the time of disaster.
- ☐ Proper Training/Awareness programmes of different type of disaster must be conducted in every village, Block and district Head Quarter.
- ☐ Farmers who prepared for disaster are more likely to preserve life and property. They will also minimize recovery time and resume productively much faster.
- ☐ Farmers must update list of pesticides, fertilizers, fuels, medicines and chemicals. During a disaster, these chemicals can wash into streams or contaminate food supplies, placing people and animals at risk.
- ☐ In addition to family disaster kits, agriculture producers should also keep on hand additional supplies to protect the farm.
- ☐ Update credit facilities and crop insurance details from financial institutions
- ☐ Ensure that sufficient quantities of agricultural inputs such as seeds, fertilizers, pesticides, equipments and fodder are available at three levels. If necessary, they will be supplied at short notice at vulnerable areas.
- ☐ Move and position the staff meant for disaster management duties at their pre-decided places. They should move in villages and advise farmers on precautions to be taken for protecting the standing crop.
- ☐ The nodal officer should ensure that suitable instructions are issued to their field officers including their duties and function before, during and after disasters.

**During Disaster Phase:**

- ☐ Coordinate with Block and Villages to get feedback on seriousness of disaster, level of distress, relief provided, steps taken for saving maximum standing crop, extent of flooded agricultural lands and estimated loss of crop.
- ☐ Dist. will direct Block / Villages to be in close coordination with other line departments to ensure adequate relief is provided to the farming community.
- ☐ Establish linkages with State/District Control Rooms
- ☐ The Department of Agriculture will assist in assessment of damage to Agriculture & farming community and help them to restart their agriculture/ farming operations.
- ☐ Ensure availability of staff teams (extension officers and others) visiting / stationed at respective disaster sites with necessary equipments, medicines, logistic support and authority as planned and establish communication links.

**Post Disaster Phase:**

- ☐ Village level team should visit the vulnerable cropped area and give suitable technical advices received from MAO's.
- ☐ Ensure that adequate and timely relief/credit is made available to farmers for purchase of agricultural inputs through Govt. /private and easy loans through banks.
- ☐ Seeds, fertilizers and pesticides should be provided at subsidized rates. Ensure all relief measures, credit facilities and inputs are made available continuously to farmers till their next crop is harvested.
- ☐ Develop data base village wise crop wise, irrigation, source wise, insurance details, credit facilities etc., with an objective of forecast of damages due to disasters.
- ☐ Fodder should be supplied in sufficient quantities at low prices.
- ☐ The enumeration team while enumerating the crop loss, should also record the names of the tenant farmers, along with the owners name. They should also record extent cultivated by tenant farmer.
- ☐ Assess the extent of damage to soil, crop, plantation, micro-irrigation systems, storage facilities and intervention (estimate the requirement of seeds, fertilizers, pesticides, labour, tools and equipments etc).

## **Responsibilities of Officials:**

### **Sl. No Designation Responsibilities of Officials**

#### **1 Additional Director of Agriculture**

- ☐ Formation of Teams
- ☐ Formation of Control room
- ☐ Trainings to
- ☐ Preparation of advanced precautionary measures, Pamphlets
- ☐ Advance indent of seeds & other inputs etc.

#### **2 Assistant Director of Agriculture**

- ☐ Data base collection
- ☐ Trainings to AEOs
- ☐ Inputs requirement
- ☐ Disseminating warning to AEO
- ☐ Supervision & Inspection of crop and land, damage prone areas in advance & consolidation of crop & land damage information.
- ☐ Conducting meetings with formers once in season.

## **7. Roads and Buildings Department**

### **Normal Phase:**

- ☐ Private buildings will be identified suitable for use as shelters by the departments at Block. Prepare list of such buildings and provide them to necessary authorities.
- ☐ Authorities to inspect and identify roads, bridges, culverts and buildings which are vulnerable for floods and repair/strengthen them.
- ☐ The identified weak bridges and culverts weak once should be demolished and the new ones are to be constructed. Buildings which are in collapsible stage should be demolished. New roads/repair of roads should be carried out. The roads/buildings should be made hazard proof.
- ☐ Ensure that building codes are strictly followed by public in disaster prone areas. They should be made mandatory.
- ☐ In case of heavy rains, the roads are prone to breaches. Vulnerable points have to be listed out in advance and indicated in maps. They shall be reviewed every year before the monsoon and repair accordingly.
- ☐ Ensure that the new construction does not block natural drainage lines. Enough culverts etc. may be provided.
- ☐ A good network of motor able roads should be constructed in all vulnerable coastal areas. This not only facilitates quick evacuation at the time of need, but also the supply of relief to the needy, in the aftermath of flood.
- ☐ Retrofitting of buildings, building foundations and structures should be made as a component of disaster management policy, applicable in vulnerable areas. Suitable guidelines may be issued for retrofitting.
- ☐ Dist. authorities will inspect and identify roads, bridges, culverts and buildings which are vulnerable for floods and repair/strengthen them.
- ☐ The identified weak bridges and culverts should be demolished when the new ones are constructed. Buildings which are in collapsible stage should be demolished. New roads/repair of roads should be carried out. The roads/buildings should be made hazard proof.
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### **Pre Disaster Phase:**

- ☐ S.E shall conduct the disaster preparedness meeting twice in a year and advice the field functionaries to gear up for the situation such meetings shall be organized well advance before the onset of monsoon.
- ☐ The Dy. EE shall verify the working condition of the machinery once in three months.
- ☐ Shelters and private buildings identified for use as relief camps should be checked and strengthened where ever necessary. Special attention should be given for securing weak doors, windows and compound walls.
- ☐ Direct Districts and Taluka to make a final check of roads, bridges, culverts and buildings and carry out urgent repairs where ever necessary.

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- ☐ Shelters and private buildings identified for use as relief camps should be checked and strengthened where ever necessary. Special attention should be given for securing weak doors, windows and compound walls.
- ☐ Move machinery and equipment meant for repair of roads and buildings. And for removing obstructions nearest to the vulnerable areas for use during emergency.

#### **During Disaster Phase:**

- ☐ Observation of the cyclone movement and situation
- ☐ Alerting of field teams.
- ☐ Enquiring the availability of machinery and requesting them to keep them ready for deployment where ever necessary.
- ☐ Deputing of field staff from non-affected areas to assist staff in likely affected areas.
- ☐ Staff on leave should return to their Head Quarters.
- ☐ No leave shall be sanctioned at the time of disaster.
- ☐ Preparation for post disaster activities.

#### **Post Disaster Phase:**

- ☐ Ensure restoration of traffic movement where ever possible by quickly repairing of breaches. Inspection of roads to be carried out and traffic obstruction to be removed. Assessment of damages to be done and proper reporting to authorities should be done.
- ☐ Coordinate with State and plan for providing adequate number of drains by the side of roads, particularly considering the past experience.
- ☐ Sanction and entrustment of temporary restoration works. And updating of maps
- ☐ Steps will be taken for raising the stretches of roads passing through low areas and increase drainage facilities with prior approval of the State.
- ☐ Create a reliable road network that connects vulnerable areas and selected nodal centers, from where transport, relief and rehabilitation operations can be undertaken during future disasters.

#### **Roles and Responsibilities:**

- ☐ Identification of vulnerable points
- ☐ Preparation and submission of estimates for taking up and strengthening of vulnerable points.
- ☐ List out the machinery like power saws, JCBs etc., with their conditions and submit to the Dy.

#### **Executive Engineer.**

- ☐ List out the contractors with their address and contacts numbers.
- ☐ Inspection of weak and narrow Bridges, Culverts and cause ways with details of repairs to be taken up.
- ☐ Identification of over flowing locations impending disaster.
- ☐ Identify and removal of weak and dried trees along the road side.
- ☐ Alternate routes to be identified and listed out.
- ☐ Execution of works approved and preparation and submission of bills for payments.
- ☐ Sanction of estimates submitted Deputy

### **8. Irrigation and Command Area Development:**

#### **Normal Phase:**

- ☐ Materials such as empty cement bags, sand, metal, stone bellies etc. will be stocked in adequate quantities in all flood stores for immediate use before and during floods.
- ☐ Ensure no human encroachment near the drains and settlements in the low-lying areas.
- ☐ Ensure repair /restoration of canals, Irrigation tanks and desalination of damaged agricultural fields.

#### **Pre Disaster Phase:**

- ☐ Catchments maps are to be ready for all irrigation sources. And all the vulnerable locations in the sources are to be identified along with the Water Users Associations / Distributory Committees / Project Committees.
- ☐ Check and repair the main Irrigation canal system and control structures.

- After receipt of first flood warning discharge through dams all lower riparian rights villages downstream of the dam are required to be given the information.
- During the closure period the irrigation staff has to procure required stores i.e. empty gunny bags, sand, bullies of 1m length with 100 mm dia, gaslights, bamboo thatties, gamelas, country twine, needles, crow bars, hammer with handles, torch light etc. One flood store will be maintained under the control of each Deputy Commissioner. The flood store will keep empty sand bags, dewatering pumps, diesel generators, tarpaulins, tents etc.
- Arrangement to intensify patrolling of river banks round the clock and as soon as the reservoir comes to full tank level and the spillway gates are to be operated to avoid further storage in the reservoir with intimation to Revenue Authorities.
- Before cyclone / flood the AEE / AE will inspect each and every vulnerable points and the areas prone for inundation for taking precautionary temporary measures and the summary of all actions intimated to the higher officers.
- Materials such as empty cement bags, sand, metal, stone bellies etc. will be stocked in adequate quantities in all flood stores for immediate use in the event of disaster.
- Strengthen the weak bunds of all irrigation sources and arranges for patrolling weaker points to avert breaches.
- Ensure that all the irrigation drains are cleared of blockades and obstructions.
- Move all emergency duty officers/staff and equipments to vulnerable area.
- They should be ready to take up emergency works.

#### **During Disaster Phase:**

- Materials such as empty cement bags, sand, metals, stone bellies etc. will be stocked in adequate quantities in all flood stores for immediate use for plugging the breaches.
- After receiving 1st warning the status of flood is to be intimated to the and NGOs to address public by in all adjacent villages & it is to be intimated to AIR and for live telecast channels.
- Strengthen the weak bunds of all irrigation sources wherever necessary to prevent breaches. Assistance from local people will be used.
- After receiving cyclone/ flood warning from catchment area to source utilization location the departmental field officers have to inspect all the sources jurisdiction wise.
- After flood / cyclone warning, control room are to formed at SE/EE/ offices respectively and required vehicles are to be kept at store sheds to carry the materials to the spot required. Ensure that all the irrigation drains are cleared from obstructions.
- Continue to clear the mouths of all drains for free flow of flood water.

#### **Post Disaster Phase:**

- After floods recede necessary arrangements have to be made to the farming community to safe guard agriculture by making temporary restoration arrangements to the affected irrigation sources, which include forming ring bunds, close breaches, removing of all shoals and rectifying damages to structures.
- The officers involve for restoration of post disaster damaged irrigation sources are AEE/ AE, , EE, and SE. and identify the breaches and take up restoration work.
- Restore the damaged infrastructure. Attempts will be made for farming community to start agriculture within minimum possible time to bring the socio economic life back to normal in the affected areas.
- Review and request for construction of dams, check dams and new irrigation/drainage canals for long term improvement and for sustained economic growth.
- Suggest measures for strengthening the river banks and canal bunds to avoid breaches.

#### **Water Supply and sanitation Division:**

##### **Pre Disaster Phase:**

- AEE/ AE will identity the non – functioning schemes or Hand Pumps, repairs to platforms and Tap fountains including its surroundings in coordination with the GP level teams and action is to Abe taken to get them repaired.
- The Gram Panchayat shall be suitably instructed CEO to utilize the funds for restoration of Water Supply sources on top priority
- The AEE/AE will identify the vulnerable water sources which are to be chlorinated before and after the Disaster with the help of Gram Panchayat teams.



- ☐ The Hand pumps existing in the low lying area shall be raised to the expected maximum flood water level by raising the casing pipes and plat forms to avoid possible contamination.
- ☐ Keeping ready stock of Liquid Chlorine / Bleaching power with the Gram Panchayat and to observe proper chlorination being done regularly
- ☐ Ensure that identify the Safe sources in the Gram Pancayat area and adjacent areas where safe water can be brought in case of submergence of the area.
- ☐ The unsafe sources if any shall be suitable marked and shown to concern team members.
- ☐ The safe source including private sources are to be identified with proper testing for portability using the field testing kits available. 204

#### **During Disaster Phase:**

- ☐ Keep ready stock of all relevant with the department
- ☐ Ensure that the list of tankers are to be ready by the AEE/AE along with capacity of tankers , their address, contact members and distance from a vulnerable areas.
- ☐ Availability of generators and their owners along with contact address and distance to the vulnerable area are too ascertained by the assigned team members.
- ☐ During the disaster awareness is to be created by the team members among people to construct and use ISLs in order to avoid open defecation during Cyclone/ Floods. The vulnerable villages are to be brought up to Nirmal Gram Purskar status.
- ☐ Ensure that in the time of relief should be provide good water.

#### **Post Disaster Phase:**

- ☐ The list of damages occurred during cyclone/ floods are to be identified by the AEE/ AE in consolidation with the Team along with required budget for temporary / permanent restoration.
- ☐ Ensure that permanent restoration may also be taken with local funds if the amounts required are small.
- ☐ Monitoring of water quality should be restored or initiated immediately. Post disasters daily determination of the chlorine residual in public water supplies is sufficient.
- ☐ Ensure that Chlorine and chlorine – liberating compounds are the most common disinfectants. Chlorine compounds for water disinfection are usually available ihit forms.
- ☐ Chlorinate lime or bleaching power, which has 25% by weight of available chlorine when fresh, its strength should always be checked before use.
- ☐ If the damage for water is urgent, or the repaired main cannot be isolated, the concentration of the disinfecting solution may be increased to 100 mg/ liter and the contact period reduced to 1 hour.

#### **Roles and responsibility**

##### **SI No Designation Roles and responsibility**

##### **1 Superintending Engineer**

- ☐ Consolidate the information on vulnerable areas and location of hand pumps and schemes safe / unsafe low lying areas and maps.
- ☐ Indent for required pump sets, hand pump spares, minimum stock for material required for PWS/ CPW schemes with proper sanctions at district level
- ☐ Arrange for training of RWS & S Staff and awareness through DEE/ AEE to Sarpanchs / Secretaries on maintenance of Schemes / Hand pumps, Chlorination etc.,
- ☐ Active the Monitoring cell at District level, Division level, Sub division level, Block Level, GP level.
- ☐ Monitoring Cyclone/Flood Related Activities
- ☐ Consolidate requirement of funds for permanent measures and submission to the head of the department for sanction.
- ☐ Liaison with other line department for proper coordination of relief operations.
- ☐ Consolidate the information on vulnerable areas and location of hand pumps and schemes safe/ unsafe low lying areas and maps.
- ☐ Submission of requirement of pump sets , hand pump spares, minimum stock of all materials required for PWS / CPWS schemes to the SE
- ☐ Arrange for training of RWS staff and awareness through DEE/ AEE to Sarpanches/ Secretaries on maintenance of Schemes / Head pumps, chlorination etc.,
- ☐ Deployment of AEE / AEs from unaffected areas to the affected areas.
- ☐ Monitoring the Cyclone/ Flood related activities.

- ☐ Consolidate the requirement of funds for permanent measures and submission to the superintending Engineer for sanction.
- ☐ Liaison with other line department for proper coordination of relief operations.
- ☐ Submission of audited utilization certificates to the Commissioner, Disaster Management through SE.

#### **9. Electricity Department: Normal time activity:**

Establish at each sub-station a disaster management tool kit comprising cable cutters, pulley blocks, jungle knives, axes, crowbars, ropes, hacksaws and spinners. Tents for work crews should also be in storage. Action Plan Objective in a Disaster Situation should be to restore the power supply and ensure uninterrupted power to all vital installation/facilities at sites.

#### **Activities on Receipt of Warning or Activation of DDMP**

Within the affected Block, all available personnel will be made available at the Block. If more personnel are required, the cut of station officers or those on leave may be recalled. All personnel required for Disaster Management should work under the overall supervision and guidance of Block Development Officer. Establish radio communications. All the Block level officials of the department would be asked to report to the BDO. Review and update precautionary measures and procedures and review with staff the precautions that have been taken to protect equipment and the post disaster procedures to be followed. Assist the district authorities to make arrangements for standby generators in the following public service offices from the time of receipt of alert warning

- ☐ Hospitals
- ☐ Water department
- ☐ Police stations
- ☐ Telecommunications buildings
- ☐ Fill department vehicles with fuel and park them in a protected area
- ☐ Check emergency tool kits, assembling any additional equipment needed.
- ☐ Immediately undertake inspection from the time of receipt of alert warning of
- ☐ Substations
- ☐ Transformers
- ☐ Insulators
- ☐ Poles

On the recommendations of the collector/district control room/" Officer-in- Charge – Power Supply" of the department in the district will Instruct district staff to disconnect the main electricity supply for the affected area. Dispatch emergency repair gangs equipped with food, bedding, tents, and tools. On the recommendations of the collector/district control room/" Officer-in- charge.

#### **Relief and Rehabilitation: Field office priorities**

- ☐ Hire casual laborers on an emergency basis for clearing of damaged poles and salvage of conductors and insulators.
- ☐ Begin repair/reconstruction.
- ☐ Assist hospitals in establishing an emergency supply by assembling generators and other emergency equipments, if necessary.
- ☐ Establish temporary electricity supplies for other key public facilities, public water systems, etc.
- ☐ Establish temporary electricity supplies for transit camps, feeding centers, relief camps, district control room and on access roads to the same.
- ☐ Compile an itemized assessment of damage, from reports made by various city supply electrical receiving centers and sub-centers.
- ☐ Report all activities to the head office.
- ☐ Establish temporary Plan for emergency accommodations for staff from outside the area.

#### **10. Telecom Department:**

Establish radio communications with state control room, district control room and departmental offices within the district. All personnel required for Disaster Management should work. Review and update precautionary measures and procedures, and review with staff the precautions that have been taken to protect equipments and the post-disaster procedures to be followed. Fill department vehicles with fuel and park them in a protected area.

- ☐ Inspect and repair all

- ☐ Radio masts
- ☐ Anchorages
- ☐ Foundations and cables
- ☐ Poles
- ☐ Overhead circuits.

Upgrade outside equipment to withstand wind speeds and other adverse weather conditions. Designate at each exchange a member of staff (such as an inspector) as a disaster officer. He must live in the area, be instructed in the likely effects of a disaster, and should be knowledgeable about necessary precautions and post-disaster procedures. House all electrical and switching equipment in damage-proof buildings. All storage batteries should be charged fully during alert for long use in the post disaster period, when the electricity supply is not likely to be available. Establish an emergency tool kit at each exchange, including:

- ☐ Cable cutters
- ☐ Cutting pliers
- ☐ Spanners
- ☐ Ropes
- ☐ Ratchet tension
- ☐ Crosscut saws
- ☐ Pulley blocks with rope

Hand gloves Check emergency tool kits and assemble any additional equipment needed. Provide at least two tarpaulins in every building with radio equipment, Tele printer equipment, and manual and auto exchanges. Install standby generators in all exchange buildings for the recharging of batteries. Secure all outside equipment to the extent possible. Arrange for the transport of additional vehicles for inspectors. Assemble equipment and emergency stocks of materials likely to be necessary for restoration of services. Arrange emergency standby cable for dispatch to the affected area immediately after the disaster. Remove fuses from the lines and disconnect the power supplies to equipment in disaster areas, if necessary.

#### **Relief and Rehabilitation: Field priorities**

Give priority and concentrate on repairs and normalization of communication in disaster areas. Identify the public services within the affected community for which communication links are most vital, and establish a temporary service, if feasible. Establish a temporary communication facility for use by the public.

- ☐ Identify requirements, including;
- ☐ Manpower needed
- ☐ Vehicles needed
- ☐ Materials and equipments needed.

Begin restoration by removing and salvaging wires and poles from the roadways through recruited casual laborers. Establish a secure storage area for incoming equipments and salvaged materials. Carry out temporary building repairs for new equipments. Report all activities to head office.

### **6. Panchayat Raj Institute (PRIS) Department**

#### **Normal Phase:**

- ☐ Convening the special meeting of Gram Pahchayat meeting inviting VAs, PDOs, Youth Groups, Village elders, NGOs, and other organizations institutions and officials working in the Gram Pahchayat to discuss on the management of disasters and constitution of Gram Pahchayat Disaster Management Committee.
- ☐ Energize the Control Rooms to monitor warning signals and to pass on necessary information through wireless, HAM Radio sets, etc.
- ☐ Identification of Vulnerable areas discusses for various activities and prepare database.
- ☐ Selection of Cyclone shelters/ relief centers for shifting people / livestock to safer places. Ensure periodic inspection and repair of shelters and other buildings identified for running relief camps.
- ☐ The plans prepared for disaster management for implementation at Mandal and Village levels will include all works related to drinking water, minor irrigation canals, minor tanks and bunds, safe shelters, sanitation, food other essential items. These plans will be sent to district and Taluk much in advance for implementation.
- ☐ Direct Districts. Taluk and Villages to implement plans for provision of safe drinking water. Lay down procedures and mechanism for implementing long term sanitation requirements and their maintenance.

- Plan and provide sufficient number of hand pumps, bilge pumps and other suitable equipment to drain water quickly. Drinking water hand pump sets should be planned and constructed about the normally expected flood level.
- A list of water tankers available with public/private departments /agencies will be prepared with requisite details. Their services will be used during floods for supply of safe drinking water.
- Depending on the topography, high and low levels of lands in Taluk and Villages, the natural drainage routes for rainwater will be identified. They will be suitably mapped. Steps will be taken to ensure that these routes are maintained and never blocked.
- Private buildings will be identified suitable for use as shelters by the departments at Districts. And Taluk. Prepare list of such buildings and provide them to necessary authorities.

**Pre Disaster Phase:**

- District level committee shall have public representatives and the will participate and take steps for facing the disaster. The control room will be activated.
- Mapping of resources of NGOs/CBOs/ Charitable Organization to arrange training programmes and to make special arrangements for evacuation of old, handicapped, children, expectant and lactating mothers.
- Identification of alternative road/ path/ route to reach the cyclone centers/ relief centers safely. And constitute volunteers teams in consultations with the members present in the Gram Panchayat meeting habitation wise.
- Conduct training programme and Mock drills on the disaster management for the following: Members of Gram Panchayat Members and officials of other institutions. NGOs and other voluntary organization.
- Ensure flood shelters and other buildings identified for running relief camps are kept ready for operation. And maintain keep the shelters and other identified public buildings in good condition ready for use.
- Direct the 3 levels to take advance action for provision of safe drinking water during crisis. Make arrangements for maintaining continuous supply and availability of food, kerosene and other essential items.
- Direct line authorities to position sufficient number of hand pumps, bilge pumps and other suitable equipment to drain water quickly.
- Alert the Dept. to position water tankers available with public/private departments/agencies for providing safe drinking water in the likely affected areas.
- Direct authorities to ensure that the natural drainage routes are kept free in all vulnerable villages to allow floodwater to drain quickly. Rural Water supplies should be maintained efficiently to avoid disruption. Chlorine/bleaching powder should be stocked in sufficient quantities.
- Identify low-lying areas and arrange for bailing out water in case of inundation. Clear all the drains to ensure free flow of storm water.
- The village Disaster Management Committee shall procure tarpaulins other materials from agricultural market committee, corporations and locally, to meet the future requirements.
- Identify dried branches of trees of roads sides and cut them to avoid accidents, the dried up wood stored and may be used at cooking centers.
- The Gram Panchayats shall take steps to keep the required sand bags and wooden poles at the vulnerable points like M.I of tanks, ponds etc.
- The Gram Panchayat shall clean the drainage system and arrange additional drainage system to drain the excess water.

**During Disaster Phase:**

- The control room will be further strengthened.
- Control Room will monitor warning signals / precautions and pass the information to the people through wireless, HAM Radio sets.
- Direct the 3 levels to take suitable action for provision of safe drinking water in affected villages and at relief camps through tankers and other means.
- Coordinate with line authorities to drain water quickly. First priority for water pump hoses, sub stations hospitals etc. Second priority will be residential areas. Ensure that flood water drains out through natural drainage routes by removing obstructions if any.
- Direct officials to make up stocks of essential food items, medicines etc. required for distribution to affected villages and relief camps. Similarly for items required for repair works and for de- watering.
- Keep ready the required rice and other provisions at centers, along with Civil Supplies Department, and required fire wood, gas, gas stoves.

- Keep ready for first aid teams with required medicines by contact the PHC, M.O. and Taluk Tahsildar / position them at the cyclone centers/ relief centers.
- Arrange vehicles for transport of people from the low lying areas to cyclone shelters. Assist Revenue department in evacuating the people from low lying areas to safe places. Inform the people through mikes, tom-tom through the volunteer teams and help people prepare for to evacuation from the areas.
- Inform the people to drive away the cattle sheep and goat to the safe and elevated places.
- Make arrangement for the cooking and supply of food at the cooking centers identified. And keep all the sanitation material at cyclone centers/ relief centers.

#### **Post Disaster Phase:**

- Removal of dead bodies, animal carcasses with the help of Revenue, Police and Medical Departments. Arrange for their disposal/ cremation, to prevent any epidemic.
- Planning and implementation of Rehabilitation of affected people, Rehabilitation of affected people; Repair and Reconstruction of damaged houses, physical infrastructure, etc., and return to normal economic activities including farming etc, should start immediately
- Assist Revenue department in the assessment for dead persons, livestock and damages to houses and properties of individuals, agriculture, community assets.
- Supervise the preparedness levels of Gram Pachayat by inspecting the vulnerable houses, roads, buildings, water sources contingency plan etc.
- The long term mitigation plan should integrated normal development plan in such manner that protective and preventive measures against the disasters are included in the implementation of all development projects under each and every sector.
- Identification of material availability locally for construction of temporary sheds.
- Ensure communication facilities such as Telephone, cell phones, wireless sets and their functioning. And procure sanitation material like lime, phenyl, bleaching power, with equipment.
- The repair and reconstruction activities should be integrated with the long term mitigation planning so that the quality of reconstruction and repair is in consonance with the specifications provided for disaster resistant structure.
- List out donor's philanthropists, trusts, and request them to assist in relief and rehabilitation measures.
- Mapping of Hazards and vulnerability should be initiated, if it is not done and detailed maps should be prepared for each block and district and should be placed in both district and blocks.
- Control room will continue its activities. Restore normal communication, power and drinking water facilities on priorities.
- Coordinate with line authorities to drain water quickly. First priority for water pump houses, sub stations, hospitals etc. Second priority will be residential areas.
- Special funding should be made available for the construction of physical infrastructure to include disaster resistant technologies particularly in the construction of Houses, Roads, Electric Transmission Lines, Drinking Water facilities, Bridges and Culverts, Tele – Communication Irrigation Canals, Tanks and Reservoirs, etc., for the sections which are most vulnerable. And supervise all construction and developmental activities.
- District Officials to make stocks of essential food items, medicines etc and continue supply to affected people and relief camps. And make arrangement supply of food, kerosene and other essentials items.

1 Water Tender 02 01 03

2 Water Lorry -- 01 01

3 Water Bouzer 01 01 01

4 Arial Ladder Platform (ALP) 01 -- 01

5 Advance Rescue Van (ARV) 01 -- 01

6 Quick Responsible Vehicle (QRV) -- 01 01

7 Varuna Jeep (Mist Technology) 01 -- 0

8 Agni (Motor Bike) 01 01 02

9 Boat With O.B.M 02 01 03

10 Portable Pump (P.P) 03 04 07

11 High pressure Pump ( H.P.P) 02 01 02

12 De Watering Pump 01 -- 01

13 Aska Light 02 03 05

14 Rescue Ropes 08 09 17  
 15 Lifebuoy 20 10 30  
 16 Life Jacket 49 25 74  
 17 B.A Set 04 05 09  
 18 Scuba diving set 01 -- 01  
 19 Bucket 05 (plastic) 04 plastic 09  
 20 Torch 05 03 08  
 21 Foam Compound 220 ltr ( 12 can) 160 ltr (8 can) 380 ltr(20 can)  
 22 Politian Sheet 01 -- 01

### 23 **Small Gears**

1) Mumty 07 05 12  
 2) Pick axe 06 04 10  
 3) Crowbar 03 05 08  
 4) Shavels 02 05 07  
 5) Hand saw 02 03 05  
 6) Hammer Big 02 02 04  
 7) Hammer Small 03 04 07  
 8) Fire hook 06 08 14  
 9) Fire rack 02 01 03  
 10)Grapnel 06 08 14

Following are the Communication facilities available at various Fire Stations: The Fire Station at Balurghat,

### **Civil Defence - Home Guards**

Dakshina Kannada District has 14 units of home Guards for the District. The District Commandant heads the Home Guards Dept and he supported by Dy Commandant Instructors(Two)and about 800 home Guards some of whom are specially trained in Rescue and various other emergency fields of Civil Defence

### **DETAILS OF TRAINIED PERSONNEL ARE GIVEN BELOW STATEMNET SHOWING THE HOME GUARDS PERSONNEL TRAINED IN DIFFERENT ASPECTS OF CIVIL DEFENCE-**

S.L.NO NAME OF THE COURSE

1 First Aid Course -  
 2 Rescue Course -  
 3 Flood Rescue Course -  
 4 Fire Fighting Course -  
 5 Traffic Control & Crowd Control -  
 6 Weapon Training -  
 7 Unarmed Combat Training -  
 8 Wireless Operators Course -  
 9 Civil Defence Course -  
 10 Leadership Course -  
 11 Disaster Mangement Course-  
 12 Camouplge And Concealmet Course -  
 13 Unexploded Bomb Detection And Disposal Course -  
 14 Nucelar Chemical And Biological War Fare Course -  
 15 Radiological Monitoring And Sheltering Course -  
 16 Civil Defence Planner Course-  
 17 Communication Course -  
 18 Civil Defence Warden Course -  
 19 Ascolight Course -

### **RESCUE EQUIPMENT S AVAILABLE WITH HOME GUARDS-**

Life Line -

Life Jackets -

Life Buoy -

Equipment For Handling House Collapse Crobars , Showel Private Boats Identified For Hire During Flood  
 Emergency -28

O.B.M Out Boat Motor 10 Hp - 2

## LIST OF DIVERS

Sl.No Name M.No Contact No

## COMMUNICATION AND TRANSPORT

The Home Guards depend on Police for communication and transportation requirements

## ROLES AND DUTIES

District Commandant and Deputy Commandant will position themselves in the Control room and keep themselves in continuous contact with the field officer / units. Any additional help required would be mobilized from the Control Room. This help could be mobilized from the neighboring districts depending on their proximity to the site of emergency.

## Health Department

Health department plays a very crucial following the aftermath of a disaster as specialized health care needs to be provided to large number of affected persons without wasting valuable time. Hence help may have to be taken from all hospitals in the District, both government and private, during any emergency.

**Following are the contact details of this department**

## BLOCK LEVEL MEDICAL TEAM:

| Sl. No. | Name of the Team Member    | Designation         | Contact Number |
|---------|----------------------------|---------------------|----------------|
| 1       | Dr. Pushpendu Bhattacharya | B.M.O.H.            | 9830330457     |
| 2       | -----                      | B.S.I.              |                |
| 3       | Dr. Pratip Nandi           | Kumarganj R.H.      | 9830464097     |
| 4       | Smt. Prity Chakraborty     | B.P.H.N.            | 9432680851     |
| 5       | Dr. S.B. Mukherjee         | M.O. Samjhia P.H.C. | 9733242517     |
| 6       | Dr. Nilanjan Patra         | M.O. Batun P.H.C.   | 9679768243     |
| 7       | Dr. Pankaj Ghosh           | M.O. Deor P.H.C.    | 9434459584     |
| 8       | Sri Bipul Krishna Adhikary | Pharmacist          | 9733095027     |

## Following are the contact details of Registered Owners/Drivers of the Crane /JCB/Tippers

| Category of Vehicle | Vehicle No. | Owner             | Address | Cont. No.  |
|---------------------|-------------|-------------------|---------|------------|
| Bolero              | WB61A/3333  | Jali Das          |         | 9734908347 |
| Bolero              | WB61/5621   | Jali Das          |         | 9734908347 |
| Bolero              | WB-62A/1538 | Pradip Mahanta    |         | 9734908347 |
| Bolero              | WB66K/9894  | Tapash Mondal     |         | 9732853079 |
| Bolero              | WB62C/3491  | Amal Kr. Saha     |         | 9733158010 |
| Xylo                | WB62D/8648  | Moklej Miah       |         | 9733028254 |
| Bolero              | WB62C/3142  | Pravat Saha       |         | 8972382948 |
| Bolero              | WB62F/5251  | Bakul Mandal      |         | 9735516505 |
| Bolero              | WB62E/3771  | Majaffar Rahaman  |         | 973302579  |
| Bolero              | WB61A/1105  | Nikhil Singha Roy |         | 9635022322 |
| XUV500              | WB74Y/8736  | Pranab Mohanta    |         | 9734908347 |
| TAVERA              | WB74J/2269  | Goutam Basak      |         | 9474072946 |
| Bolero              | WB62F/2619  | Praksh sil        |         | 9733461394 |
| Bolero              | WB62B/9510  | Santu Das         |         | 9933994400 |
| Bolero              | WB62B/4010  | Santu Das         |         | 8942941356 |
| Bolero              | WB62E/8066  | Ratan Barman      |         | 9733077376 |
| Bolero              | WB62B/2890  | Ashok Sahu        |         |            |
| Ambassador          | WB62A/4649  | Sagar Mukharjee   |         | 8768218444 |
| JCB                 |             | Pranab Mohanta    |         | 9734908347 |

## Boat Owners Contact Number, Mobile Mobile-

| Sl. No. | Name of the boat owner             | Type of Boat        | Address          | Location of the Boat         | Mobile No. |
|---------|------------------------------------|---------------------|------------------|------------------------------|------------|
| 1       | Srinath Cowdhury                   | Medium Country Boat | Chadpur - Kuraha | Chadpur Ghat under Deor G.P. |            |
| 2       | Paresh Das S/o Jogesh Das          | Medium Country Boat | Radhanagar       | Radhanagar Ghat              | 8116309289 |
| 3       | Raichran Das S/o Lakshmi Kanta Das | Medium Country Boat | Radhanagar       | Radhanagar Ghat              | 8609820319 |
| 4       | Nagen Das S/o Bipin Das            | Medium Country Boat | Radhanagar       | Radhanagar Ghat              | 8436247914 |
| 5       | Nihar Halder                       | Medium Country Boat | Behatair         | Tajpur Ghat                  |            |

|    |  |                                |   |                                |                   |
|----|--|--------------------------------|---|--------------------------------|-------------------|
| 6  | Nabanu Das S/o Futa Das                    | Medium Country Boat            | Beltara                                 |                                | 973329036         |
| 7  | Jogesh Das S/o Lt. Liluram Das             | Medium Country Boat            | Radhanagar                              | Radhanagar Ghat                | 9733228413        |
| 8  | Jyotish Roy S/o Jogen                      | Medium Country Boat            | Munglishpur                             |                                | 9733080408        |
| 9  | <b>Krishnapada Das S/o Haren Das</b>       | <b>Medium Country Boat</b>     | <b>Beltara</b>                          |                                | <b>9733290365</b> |
| 10 | Shibnath Das S/o Panonath Das              | Medium Country Boat            | Beltara                                 |                                | 9733290365        |
| 11 | Nikhil Ch. Halder                          | Medium Country Boat            |   |                                | 6296177937        |
| 12 | Sankar Choudhury                           | Medium Country Boat with Motor | Safanagar / Brahmapur Ghat              | Safanagar - Brahmapur Ghat     |                   |
| 13 | Nirmal Chandra Halder S/o Nripendra Halder | Medium Country Boat            | Chak Behatair                           | Behatair Ghat                  |                   |
| 14 | Nihar Halder S/o Nripendra Halder          | Medium Country Boat            | Chak Behatair                           | Behatair Ghat                  |                   |
| 15 | Ranjit Halder S/o Lt. Sudarshan Halder     | Medium Country Boat            | Vill. Balupara under Ramkrishnapur G.P. | Fooldaha (Jayantihar ) Khari   | 8945568466        |
| 16 | Kanai Halder                               | Medium Country Boat            | Vill. Balupara under Ramkrishnapur G.P. | Fooldaha (Jayantihar ) Khari   | 8945568466        |
| 17 | Niranjana Halder S/o Lt. Nilkanta Halder   | Medium Country Boat            | Vill. Balupara under Ramkrishnapur G.P. | Majhian Khari under Bhour G.P. | 8945568466        |
| 18 | Bishnupada Halder                          | Medium Country Boat            | Vill. Balupara under Ramkrishnapur G.P. | Dhadalpara Khari ( Shib Bari)  | 8945568466        |
| 19 | Basudeb Halder                             | Medium Country Boat            | Vill. Balupara under Ramkrishnapur G.P. | Dhadalpara - Balupara Ghat     | 9635794922        |
| 20 | Ranjit Halder S/o Lt. Sudarshan Halder     | Medium Country Boat            | Vill. Balupara under Ramkrishnapur G.P. | Fooldaha (Jayantihar ) Khari   | 8945568471        |
| 21 | Sudhir Halder                              | Medium Country Boat            | Vill. Balupara under Ramkrishnapur G.P. | Gopalganj Bazar Khari          | 7001994501        |
| 22 | Kamal Halder                               | Medium Country Boat            | Dhadalpara                              |                                |                   |

| Name of G.P | Name of Rescue / Flood Shelter | Accommodation Capacity of people of Rescue / Flood Shelter | Area Covered in Rescue / Flood Shelter | Distance from Rescue / Flood Shelter (In K.M) | Nature of Co - mmunication | Contact No. |
|-------------|--------------------------------|--|--|---|----------------------------|-------------|
| Safanagar   | 1.Amuliya flood Shelter        | 150  | Tara                                   | 2   | Pucca Road                 |             |
|             |                                |  | Amuliya                                | Same Village                                  | Pucca Road                 |             |
|             |                                |  | Shibpur                                | 1   | On foot                    |             |
|             | 2.Elendary High School         | 800  | Chakrasail                             | 0.5   | Pucca Road                 |             |
|             |                                |  | Elendary                               | Same Village                                  | Pucca Road                 |             |
|             |                                |  | Azadpur                                | 1.5   | Pucca Road                 |             |
|             | 3.Kulahori F.P School          | 125  | Kulohori                               | Same Village                                  | Pucca Road                 |             |
|             |                                |  | Kamdebpur                              | 1   | Pucca Road                 |             |
|             | 4. Kusumtara F.P School        | 145  | Kusumtara                              | Same Village                                  | On foot                    |             |
|             |                                |  | Harishchandrapur                       | 1   | On foot                    |             |
|             | 5.Chandganj F.P School         | 130  | Buribar                                | 0.5   | On foot                    |             |
|             |                                |  | Chandganj                              | Same Village                                  | Pucca Road                 |             |
| Samjhiya    | 6. Safanagar High School       | 700  | Safanagar                              | Same Village                                  | Pucca Road                 |             |
|             | 7. Sahajadpur F.P School       | 125  | Sahajadpur                             | Same Village                                  | Pucca Road                 |             |
|             |                                |  | Mirjapur                               | 1   | On foot                    |             |
|             | 8. Kumarganj High School       | 1500   | Kumarganj                              | Same Village                                  | Pucca Road                 |             |
|             |                                |  |  |   |                            |             |
|             | 1. Samjhia G.P Office          | 115  | Samjhia                                | 1.5   | Pucca Road                 |             |
|             |                                |  | Bhomor                                 | 0.5   | Pucca Road                 |             |
|             |                                |  | Nabagram                               | 1.5   | Pucca Road                 |             |
|             |                                |  | Raynanda                               | 0.25  | Pucca Road                 |             |
|             | 2. Daudpur F.P School No.- 1   | 110  | Krishnapur                             | 0.25  | Pucca Road                 |             |
|             |                                |  | Daudpur (Partly)                       | Same Village                                  | Pucca Road                 |             |
|             | 3. Angina Borait High School   | 800  | Borait                                 | 0.5   | On foot                    |             |
|             |                                |  | Angina                                 | 1.5   | On foot                    |             |
|             | 4. Basanti Madrasa             | 565  | Chakjayanti                            | 1   | Pucca Road                 |             |
|             |                                |  | Basanti                                | Same Village                                  | On foot                    |             |



|  |                             |     |                  |              |                      |  |
|--|-----------------------------|-----|------------------|--------------|----------------------|--|
|  |                             |     | Thalsama         | 1            | On foot              |  |
|  |                             |     | Deun             | 1.5          | On foot              |  |
|  |                             |     | Kutubpur         | 2.5          | Pucca Road & On foot |  |
|  | 5. Rasulpur flood Shelters  | 212 | Rasulpur         | Same Village | Pucca Road           |  |
|  |                             |     | Neona            | 1.5          | Pucca Road           |  |
|  | 4. Daudpur F.P School No. 2 | 110 | Daudpur (Partly) | 1.5          | Pucca Road           |  |
|  |                             |     | Majhina          | 2            | On foot              |  |
|  |                             |     | Subarnasahid     | 3            | Pucca Road           |  |
|  | 5. Sundarpur Girls' Madrasa | 300 | Katla            | 3            | Pucca Road           |  |
|  |                             |     | Kanura           | 4            | On foot              |  |
|  |                             |     | Sundarpur        | 1.5          | On foot              |  |

#### EVACUATION CAMPS :

|           |                                     |      |                         |              |                      |  |
|-----------|-------------------------------------|------|-------------------------|--------------|----------------------|--|
| Jakhirpur | 1. Kalna Rajdhara F.P School        | 125  | Rajdhara                | 0.5          | Pucca Road           |  |
|           |                                     |      | Kalna                   | Same Village | Pucca Road           |  |
|           | 2. Kalna Bholanathpur F.P School    | 115  | Charkhanda              | 0.25         | Pucca Road           |  |
|           |                                     |      | Bramhanpara             | Same Village | Pucca Road           |  |
|           |                                     |      | Bholanathpur            | 0.25         | Pucca Road           |  |
|           | 3. Chakmohon F.P School             | 100  | Chakmohon               | Same Village | Pucca Road           |  |
|           |                                     |      | Doraha                  | 0.25         | On foot              |  |
|           |                                     |      | Kokati                  | 1            | On foot              |  |
|           | 4. Jakhirpur High School            | 222  | Jakhirpur               | Same Village | On foot              |  |
|           |                                     |      | Sahabajpur              | 0.5          | On foot              |  |
|           | 5. Bolta F.P School                 | 110  | Bolta                   | Same Village | Pucca Road           |  |
|           | 6. Menapur F.P School               | 95   | Menapur                 | Same Village | On foot              |  |
|           | 7. Jakhirpur GP Office              | 250  | Tulat                   | Same Village | Pucca Road           |  |
|           |                                     |      | Shibrampur              | 0.25         | On foot              |  |
|           |                                     |      | Kashiyara               | 0.5          | Pucca Road & On foot |  |
|           | 8. Uthrail F.P School               | 120  | Horipur                 | 0.25         | On foot              |  |
|           |                                     |      | Bhagabanpur             | 0.25         | On foot              |  |
|           |                                     |      | Uthrail                 | Same Village | On foot              |  |
|           | 9. Munsipur F.P School              | 90   | Munsipur                | Same Village | On foot              |  |
|           |                                     |      | Debipur                 | 0.25         | On foot              |  |
|           |                                     |      | Setair                  | 0.25         | On foot              |  |
|           | 10. Arab Badkanai High Madrasa      | 800  | Badkanai                | Same Village | On foot              |  |
|           |                                     |      | Enatullapur             | 0.25         | On foot              |  |
|           |                                     |      | Darajpur                | 0.25         | On foot              |  |
|           | 11. Manjurichak Raikhan High School | 1000 | Raikhan                 | 0.25         | Pucca Road           |  |
|           |                                     |      | Uchait                  | 0.25         | On foot              |  |
|           |                                     |      | Enatullapur Manjurichak | 0.5          | On foot              |  |
|           |                                     |      | Dattamati               | 1            | On foot              |  |

#### STAFF DETAILS OF KUMARGANJ BLOCK/ PANCHAYAT SAMITY ESTABLISHMENT

| Sl No. | Name of Officer/ Staff | Designation   | Duty assigned for     | Mobile no  |
|--------|------------------------|---|-----------------------|------------|
| 1      | Debdatta Chakraborty   | Block Development & Executive Officer                 | Over All Incharge     | 9434054205 |
| 2      | Debapriya Thakur       | Jt. Block Development Officer & Jt. Executive Officer | Jt. Over All Incharge | 9434962447 |

|    |                                  |  |   |   |
|----|----------------------------------|--|---|---|
| 3  | Binay Biswas                     | SAE (BPC)                                  | Prepare plan/estimate & vetting of various development/constructional work within block jurisdiction & other official works | 9734038399/<br>7908706948               |
| 4  | Shyamal Kr. Das                  | Head Clerk                                 | To prepare/making bill of various work; maintain employees' service book & other official works                             | 9775812903                              |
| 5  | Ullash Bhattacharjee             | PDO  | Panchayat Matter & BDMO In Charge   | 9614281913                              |
| 6  | Sadhan Paul                      | Block Informatics Officer                  | MIS related work in connection with PMAY, NSAP along with report/return & other official works etc                          | 9733383545                              |
| 7  | Abdur Rashid Mia                 | EOME                                       | Death/Birth related work & other official works   | 7074617882                              |
| 8  | Priyanka Tamang                  | BCW officer                                | To prepare/maintain ST old-age pension & other official works   | 7551890623                              |
| 10 | Mrityunjay Mondal                | SEO  | To look-after Social Welfare pension (Old-Age/Widow/Disability); Manabik/Kanyashree/SSK & other official works              | 7001816811                              |
| 11 | Pankaj Kr Sinha                  | UDC  | To maintain clerical work of P Samity & other official works  | 9475930934                              |
| 13 | Bijan Bagchi                     | Correspondent Clerk                        | To maintain receipt & distribution of various letters in block front table & other official works                           | 9593623279                              |
| 14 | Uttam Kr Raha                    | Block Consultant                           | To maintain block HRMS/bill related work/dealings with Panchayat Law related issues & other official works                  | 9474379657                              |
| 15 | Manish Ch Sarkar                 | MDM Supervisor                             | To look-after NSAP pension/MDM Supervision & Other works / Sabuj sathi /Relief & other official works                       | 6295592801                              |
| 16 | Sandip Sarkar                    | UDC  | To maintain RTI related work/Bio-diversity management & other official works  | 9733260249                              |
| 17 | Shiben Biswas                    | UDC  | To maintain block account/try related work & other official works   | 9475253198                              |
| 18 | Arnab Rakshit                    | Cashier Kumarganj Panchayat Samity         | To maintain p.samity related account/report & other official works  | 9434719200                              |
| 19 | Ramkrishna Paul                  | Accounts Clerk & Cashier-in charge (Block) | To maintain block related account & other official works  | 9434347439                              |
| 20 | Dilip Mahanta                    | Sr DEO                                     | To maintain NSAP/PMAY related work & other official works   | 8001406611                              |
| 21 | Shikha Sen                       | LGS  | To maintain NRLM related work/to maintain gradation of SHG bank related & other official works                              | 7908627234                              |
| 22 | Tapan Kumar Saha                 | Panchayat Clerk                            | To maintain GP staff service book/salary/ election work & other official works  | 9531733442                              |
| 23 | Baby Karmakar & Biplab Kundu     | Gr D Orderly Peon/ TCPC Peon               | To maintain Try related work and letter distributio& other official works   | 9547292438                              |
| 24 | Abhijit Sarkar                   | SHG Supervisor Cont.                       | To maintain SHG training/BSKP loan & other official works   | 9851733549                              |
| 25 | Amit Karmakar                    | DEO Kanyashree Cont.                       | To maintain Kanyashree related work/report & other official works   | 9734819292                              |
| 26 | Anay Sarkar                      | BLF Cont                                   | To maintain Gitanjai/minority related work & other official works   | 8918420639                              |
| 27 | Jaydeb Sarkar                    | DEO (MDM) Cont.                            | To maintain MDM related work & other official works   | 7797945843                              |
| 28 | Chirantan Ghosh & Khokon Kr Paul | TA MGNREGS Cont.                           | To maintain MGNREGS related work(AAP/SAAP related) / help SAE & other official works  | 7908208083 (Chirantan)                  |
| 29 | Ramprosad Mondal                 | JPO MGNREGS Cont.                          | To assist Sunil Mohanta, APO & other official works   |   |
| 30 | Sagar Biswas                     | CA MGNREGS Cont.                           | To maintain FTO related work of MGNREGS /report & other official works  | 7908496835                              |
| 31 | Suman Das                        | Prog Assist MGNREGS Cont.                  | To maintain MGNREGS related account system /report/assist Sunil Mohanta, APO & other official works                         |   |
| 32 | Jahangir Alam Sardar             | CHCMI supervisor Cont.                     | To maintain CHCMI related work & other official works   | 9647060342                              |
| 33 | Baby Karmakar & Biplab Kundu     | Gr D Orderly Peon/ TCPC Peon               | To maintain Try related work and letter distributio& other official works   | 9547292438 (Baby)<br>7602302505(Biplab) |
| 34 | Trini Chaki                      | LDC  | Kumarganj Dev Block   | 9733375362                              |

|    |             |      |                                 |            |
|----|-------------|------|---------------------------------|------------|
| 35 | Mamud Ajhar | Gr D | Attach with Disaster Management | 8927053670 |
|----|-------------|------|---------------------------------|------------|

#### CASUAL STAFF DETAILS OF KUMARGANJ BLOCK/ PANCHAYAT SAMITY

| Sl No. | Name of Officer/Staff | Designation   | Duty assigned for   | Mobile no  |
|--------|-----------------------|---------------|---|------------|
| 1      | Debabrata Goswami     | Casual Worker | To obey & keep BDO and Exe. Officer order along with gate-keeping   | 9563644530 |
| 2      | Sunil Bhuiya          | Casual Worker | To obey & keep BDO and Exe. Officer order, help account section of Block & Panchayat Samity set-up along with photocopier work and do the same work in the absence of Debabrata Goswami | 9932741492 |
| 3      | Gour Karmakar         | Casual Worker | To obey & keep order of Savapati along with various photocopier work for Savapati, Karmadhyaksha etc.   | 7797613644 |

### Kumrganj PANCHAYAT SAMITY Members

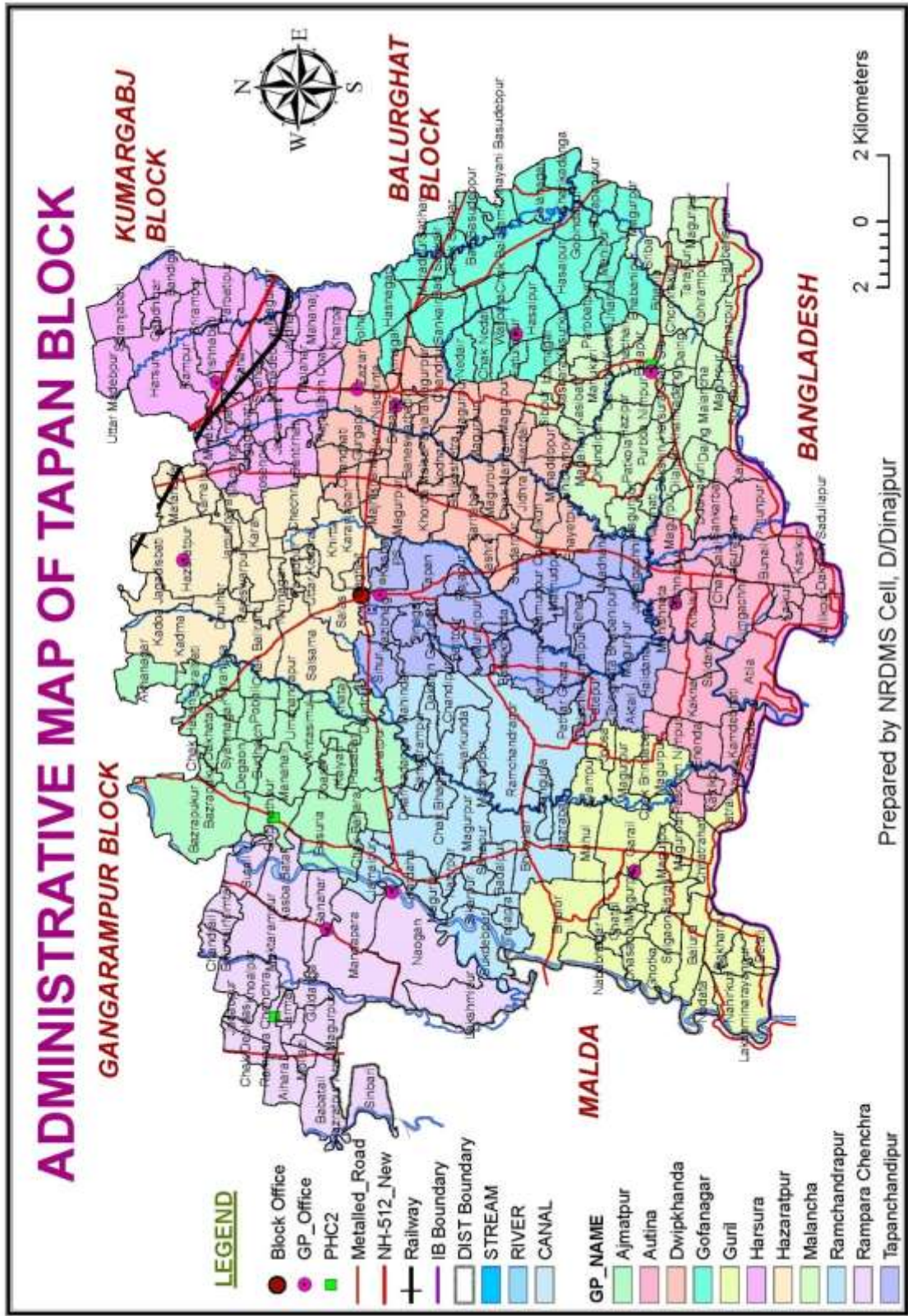
| Sl No | Name                   | Designation   |  | Mobile no. |
|-------|------------------------|---------------|--|------------|
| 1     | JYOTSNA GHOSH,         | SAVAPATI      |  | 9733382695 |
| 2     | AZAD ALI MANDAL        | SAHA-SAVAPATI |  | 9609895096 |
| 3     | SHEPHALI ROY           | Member        |  | 9800122655 |
| 4     | UMA ROY                | Karmadhaksha  |  | 9434054567 |
| 5     | SHUBHANKAR ROY         | Member        |  | 7407992595 |
| 6     | SABER ALI SARKAR       | Karmadhaksha  |  |            |
| 7     | KRISHNA ROY            | Member        |  |            |
| 8     | DILIP RAY              | Member        |  | 7407129386 |
| 9     | GOLAPI MONDAL (ROY)    | Karmadhaksha  |  | 9679434923 |
| 10    | BEAUTY BIBI            | Member        |  | 7363932163 |
| 11    | SHIBAJI TUDU           | Karmadhaksha  |  | 8016480281 |
| 12    | PALI ROY               | Member        |  | 9593191294 |
| 13    | SANGITA SAHA CHOWDHURY | Member        |  | 6295344296 |
| 14    | SAMAPTA CHOUDHURI      | Karmadhaksha  |  | 6296374876 |
| 15    | GOLAM MARDI            | Member        |  | 9547116524 |
| 16    | SOHAGI HALDAR          | Member        |  | 8670836726 |
| 17    | UPENDRANATH MONDAL     | Member        |  | 9735554644 |
| 18    | SADHANA ROY            | Karmadhaksha  |  | 9733865099 |
| 19    | JAYANTI MONDAL (RAY)   | Member        |  | 8512912494 |
| 20    | JOYDEB HEMBRAM         | Member        |  |            |
| 21    | LIPIKA MONDAL (DAS)    | Member        |  | 7407252080 |
| 22    | BIPLAB CHANDRA DAS     | Member        |  | 9002194814 |
| 23    | ARATI SOREN            | Member        |  | 7047983222 |

### Gram Panchayat Pradhan & Upa Pradhan

| Name of G.P. | Name of Pradhan & Upa Pradhan | Mobile No. |
|--------------|-------------------------------|------------|
| Safanagar GP | Rajkumar Roy, Prodhan         | 973367943  |
|              | Swapan Sarkar, Upa-Prodhan    | 973367943  |

|                  |                                   |            |
|------------------|-----------------------------------|------------|
| Samjhia GP       | Jaynur Beoya Choudhuri, Prodhan   | 9609732888 |
|                  | Khairul Molla, Upa-Prodhan        | 9734704105 |
| Jakhirpur GP     | Shyamlal Hasda, Prodhan           | 7477727843 |
|                  | Bachchu Mondal, Upa-Prodhan       |            |
| Ramkrishnapur GP | Priyanka Singha Roy, Prodhan      | 9734116870 |
|                  | Ramla Soren, Upa-Prodhan          |            |
| Bhour GP         | Dulali Kerketa, Prodhan           | 7063340752 |
|                  | Rahim Miah, Upa-Prodhan           |            |
| Deor GP          | Anjali Tigga, Prodhan             | 9002932001 |
|                  | Jannatun Bibi Mondal, Upa-Prodhan |            |
| Mohana GP        | Laxmi Das (Ghosh), Prodhan        | 7047602798 |
|                  | Dipu Mandal, Upa-Prodhan          | 9933123446 |
| Batun GP         | Prosanta Choudhury, Prodhan       | 9733377704 |
|                  | Sonamoni Murmu, Upa-Prodhan       |            |

## 4. Taspan Development Block



## HAZARD VULNERABILITY, CAPACITY & RISK ASSESSMENT (HVCRA)

### INTRODUCTION

This is the most important part of the plan. Vulnerability assessment deals with the socio- economic vulnerability, housing vulnerability and environmental vulnerability. Tapan Block is a dry of Dakshin Dinajpur Distract and is exposed to multiple hazards, which may result in disaster if they are not controlled properly. In this section, effort has been made to identify all possible hazards in the block. These hazards have been studied further in subsequent chapters to know their possible impact during any disaster. The various hazards that are possible in the Tapan Block have been broadly categorized as follows.

### METEOROLOGICAL DISASTERS

#### Cyclones / Storm Flood/Drought/ Cyclones/Storm

Cyclone is a vast violent whirl or vortex in the atmosphere following formation of an intense low-pressure area. The block falls within the cyclone (KalBuisaki) area of storms originating of local Dighi & Kharis. No major damage was reported during that period.

#### Flood

##### Flood History of Tapan Block.

Tapan Block faced several flood in the year 1987, 1988, 1995, 1997 & 2017. In those years No.1, Rampcarchehchra, No.2, Ajmatpur , No.7, Ramchandrapur & No.8, Gurail Gram panchayet were completely submerged due to over flow and breaking of bundh of the rivers Punarbhaba, Bramhani & Tangan. The water of Dwipkhanda Khari and Harbhanga Khari inundated southern part of No.6, Tapan Chandipur Gram Panchayat. Surroundings of Dwipkhanda Khari in No.9,Autina G.P. that of Kashiari Khari in No.4, Harsura and No.11, Gofanagar G.P. and Kochakana Khari in No.2, No.7 & No.8 were adversely effected. Normal life disrupted due water logging in No.5, Dwipkanda G.P. and No.3, Hazratpur G.P.

In every year No.1, Ramparachenchra, No.2, Ajmatpur, No.7, Ramchandrapur & No.8, Gurail G.P. are affected irrespective of the quantity of rain fall in the rainy season.

Table showing flood prone Mouzas, Flood shelters and Relief distribution centers under Tapan Block.

Table showing effected G.P.s Rivers & Kharies details

| Sl no | Name of GP          | Mouzas(J.L.No)   | To be affected by (Name River/Khanri) | Possible area in acre to be affected | Possible population to be affected | Possible Cattle Population to be affected |
|-------|---------------------|--|---------------------------------------|--------------------------------------|------------------------------------|---|
| 1     | Rampar Chenchara GP | Sutail, Gonahar, Kasbabatoir, Purba Noaga, Modhya Noaga, Puraba Mandapara, Paschim Mandapara | Punarbhaba River                      | 3300 Acre (apprpx)                   | 5200 Nos. (apprpx)                 | 13000 Nos. (apprpx)                       |
| 2     |                     | Baptail-1, Baptail-2   | Tangan River                          | 1200 Acre (apprpx)                   | 1500 Acre (apprpx)                 | 900 Acre (apprpx)                         |
| 3     | Ajmatpur G.P.       | Bazrapukur,Basuria,Gopin athpur,Polimahadevpur,De ogaon, Manohali,                           | Punarbhaba River                      | 2500 Acre(apprpx)                    | 4500 Nos. (apprpx)                 | 10000 Nos. (apprpx)                       |
| 4     | Ramchandrapur G.P   | Sukdevpur JL 24, Jamalpur JL 31, Kantabari JL29  | Punarbhaba River                      | 1145 Acre (apprpx)                   | 2200 Nos. (apprpx)                 | 10500 Nos. (apprpx)                       |
| 5     | Gurail              | Nabab Nagar, Ghatika, Laxmirayan   | Punarbhaba River                      | 560 Acre(apprpx)                     | 4500 Nos. (apprpx)                 | 8000 Nos. (apprpx)                        |
| 6     |                     | Ghatul, Salga, Vaioir Part,  | Kocakhana Khari                       | 150 Acre(apprpx)                     | 2500 Nos. (apprpx)                 | 5300 Nos. (apprpx)                        |

#### Entry point & Exit point of Rivers & Kharies

| SI No | Name of river / khari | Entry point           | Exit Point               |
|-------|-----------------------|-----------------------|--------------------------|
| 1     | River Tangon          | Baptoil at G.P. 1.    | Suihari at G.P. 1        |
| 2     | River Bramhoni        | Chandrail at G.P. 1   | Naogoan at G.P. 1        |
| 3     | River Punarbha        | Bazrapukur at G.P. 2  | Laxminarayanpur at G.P.8 |
| 4     | Konchakana Khari      | Kadma at G.P. 3       | Katroil at G.P. 8        |
| 5     | Dwipkhanda Khari      |                       | Kasikuri at G.P. 9       |
| 6     | Baul khari            | Saranjabari at G.P. 4 | ----- do -----           |
| 7     | Harbhanga Khari       |                       | Atila at G.P. 9          |
| 8     | Kashiari Khari        | Uttar Mahadevpur      | Kharidanga at G.P. 11    |

**River & Khari that passes through Tapan Block Development Office**

| SI No | Name of river / khari | Entry point                | Exit point                | Passes through  |
|-------|-----------------------|----------------------------|---------------------------|---|
| 1     | River Punarbhaba      | Bazrapukur, G.P.2          | Laxminarayanpur<br>G.P. 8 | No.1,Ramparachenchra<br>No.7,Ramchandrapur<br>No.8,Gurail |
| 2     | River Bramhoni        | Chandrail, G.P.1           | Naogoan, G.P.1            | No.1,Ramparachenchra                                      |
| 3     | River Tangan          | Baptail, G.P.1             | Suihari, G.P.1            | No.1,Ramparachenchra                                      |
| 4     | Khari Konchakana      | Kadma, G.P.3               | Katroil, G.P.8            | No.2,Ajmatpur<br>No.7,Ramchandrapur<br>No.8,Gurail        |
| 5     | Khari Harbhanga       |                            | Atila, G.P.9              | No.3,Hazaratpur<br>No.6,Tapan Chandipur<br>No.9,Autina    |
| 6     | Khari Dwipkhanda      |                            | Kashikuri                 | No.4,Harsura<br>No.5,Dwipkhanda<br>No.9,Autina            |
| 7     | Khari Kashiari        | Uttar Mahadevpur,<br>G.P.4 | Kharidanga, G.P.11        | No.4,Harsura<br>No.11,Gofanagar                           |
| 8     | Baul khari            | Saranjabari, G.P.4         | Kashikuri, G.P.11         | No.4, Harsura   |

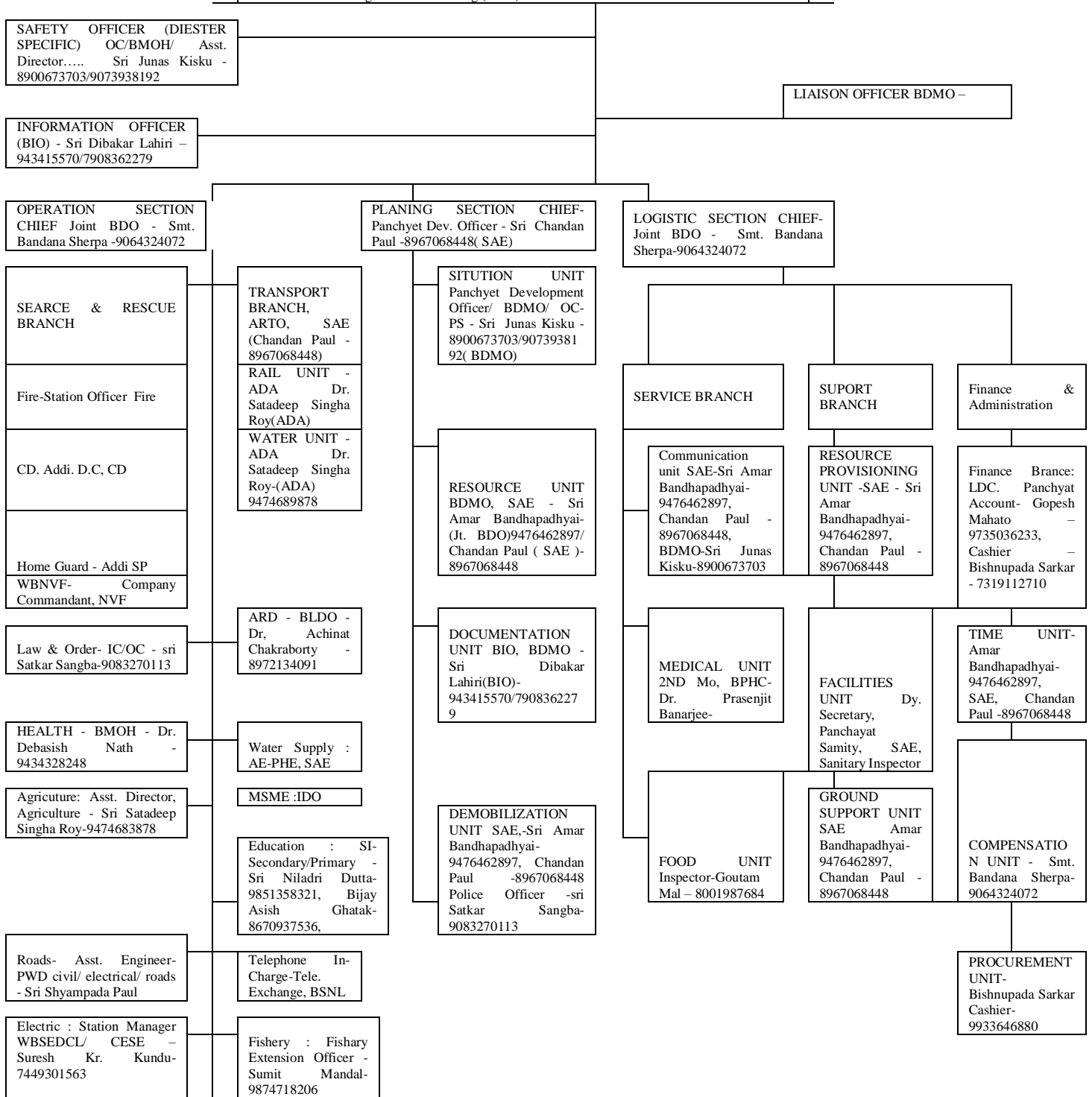
**IMPACT vs. FREQUENCY MAPPING OF HAZARDS**

| Sl. No | Hazard               | Low Impact Low frequency | Low impact High frequency | High Impact Low frequency | High impact High frequency |
|--------|----------------------|--------------------------|---------------------------|---------------------------|----------------------------|
| 1      | Cyclone/Storm        | X                        |                           | X                         | X                          |
| 2      | Flood                | X                        | X                         |                           | X                          |
| 3      | Sea Erosion          | X                        | X                         | X                         | X                          |
| 4      | Boat Capsize         | X                        | X                         | X                         | X                          |
| 5      | Tsunami              | X                        | X                         | X                         | X                          |
| 6      | Earthquake           | X                        | X                         | X                         | X                          |
| 7      | Forest Fire          | X                        | X                         | X                         | X                          |
| 8      | Land slide           | X                        | X                         | X                         | X                          |
| 9      | Toxic Release        | X                        | X                         | X                         | X                          |
| 10     | Fire/Explosion       | X                        | X                         | X                         | X                          |
| 11     | Oil spill            | X                        | X                         | X                         | X                          |
| 12     | Epidemic             | X                        | X                         | X                         | X                          |
| 13     | Food Poisoning       | X                        | X                         | X                         | X                          |
| 14     | Road Tanker Accident | X                        | X                         | X                         | X                          |
| 15     | Rail Accident        | X                        | X                         | X                         | X                          |
| 16     | Air craft crash      | X                        | X                         | X                         | X                          |
| 17     | Pipeline failure     | X                        | X                         | X                         | X                          |
| 18     | Building collapse    | X                        | X                         | X                         | X                          |
| 19     | Stampede             | X                        | X                         | X                         | X                          |
| 20     | Cattle disease       | X                        | X                         | X                         | X                          |
| 21     | Bomb Threat          | X                        | X                         | X                         | X                          |

### **RANKING OF HAZARDS**

| <b>Sl. No</b> | <b>Hazard</b>        | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> |
|---------------|----------------------|----------|----------|----------|----------|----------|
| 1             | Cyclone/Storm        | X        | X        | <b>X</b> |          | X        |
| 2             | Flood                | X        |          | X        | <b>X</b> | X        |
| 3             | Sea Erosion          | X        | <b>X</b> | X        | X        | X        |
| 4             | Boat Capsize         | X        | <b>X</b> | X        | X        | X        |
| 5             | Tsunami              | X        | X        | X        | <b>X</b> | X        |
| 6             | Earthquake           | X        | X        | X        | <b>X</b> | X        |
| 8             | Forest Fire          | X        | <b>X</b> | X        | X        | X        |
| 9             | Land slide           | X        | <b>X</b> | X        | X        | X        |
| 10            | Toxic Release        | X        | X        | <b>X</b> | X        | X        |
| 11            | Fire/Explosion       | X        | X        | <b>X</b> | X        | X        |
| 12            | Oil spill            | X        | X        | <b>X</b> | X        | X        |
| 13            | Epidemic             | X        | X        | X        | <b>X</b> | X        |
| 14            | Food Poisoning       | X        | <b>X</b> | X        | X        | X        |
| 15            | Road Tanker Accident | X        | <b>X</b> | X        | X        | X        |
| 16            | Rail Accident        | X        | X        | X        | X        | <b>X</b> |
| 17            | Air craft crash      | X        | X        | <b>X</b> | X        | X        |
| 18            | Pipeline failure     | X        | X        | X        | <b>X</b> | X        |
| 19            | Building collapse    | X        | X        | <b>X</b> | X        | X        |
| 20            | Stampede             | X        | X        | <b>X</b> | X        | X        |
| 21            | Cattle disease       | X        | X        | <b>X</b> | X        | X        |





## **INSTITUTIONAL ARRANGMENTS FOR DISASTER MANAGEMENT**

### **Introduction:**

Most of the disaster situation is to be managed at State and Block levels. The centre plays a supporting role and provides assistance when the consequences of disaster exceed block. The centre mobilizes support in terms of providing emergency teams, support personnel, specialized equipments and operating facilities depending on the scale of the disaster and the need of the State and District and Block. Active assistance to an affected State/District would be provided only after the declaration of a national level disaster, the national response mechanism has to be prepared and any impending Block disaster has to be impending State or District disaster has to be monitored in order to provide immediate assistance whenever required.

The Disaster Management Act, 2005 (DM Act, 2005) lays down institutional and coordination mechanisms for effective disaster management (DM) at the national, state, and district levels. As mandated by this Act, the Government of India (GoI) created a multi-tiered institutional system consisting of the National Disaster Management Authority (NDMA), headed by the Prime Minister, the State Disaster Management Authorities (SDMAs) by the Chief Ministers and the District Disaster Management Authorities (DDMAs) by the District Collectors and co-chaired and Block level act on BDMO, BDO or He/Her's elected representatives. These bodies have been set up to facilitate the paradigm shift from the hitherto relief-centric approach to a more proactive, holistic and integrated approach of strengthening disaster preparedness, mitigation and emergency response. (Source NDMA guidelines)

### **Disaster Management organizational structure at the state level including**

#### **IRS in the State**

- The chief minister of the state who shall be the chairperson
- Other members not exceeding eight to be nominated by the chairperson of the state authority
- The chairperson state executive committee ,Ex office
- The chairperson of the state authority may designate one of the members nominate under clause[b] of subsection [2] to be the vice chairperson of the state authority.
- The chairperson of the state executive committee shall be the chief Executive officer Of state authority office

### ***Incident Response System (IRS).***

The Guidelines on the Incident Response system (IRS) are issued by the National disaster Management Authority (NDMA) under Section 6 of the DM act, 2005 for effective, efficient and comprehensive management of disaster in India. The vision is to minimize loss of life and property by strengthening and standardizing the disaster response mechanism in the country Realization of certain short coming in our response system and a desire to address the critical gap led the Government of India (Gol) to look at the word's best practices. The Gol found that the system evolved for firefighting in California is very comprehensive and thus decided adopt Incident Command System (ICS).

## ***Tapan Block***

### **Proposals for disaster management:**

#### **1. Short Terms:**

- a) A block action group would be formed with the following officials.
  - i) B.D.O., Tapan
  - ii) Jt. B.D.O, Tapan
  - iii) B.M.O.H, Tapan
  - iv) B.L.D.O, Tapan
  - v) C.D.P.O, Tapan
  - vi) S.I. of Schools (Three circles)
  - vii) J.T.O, Telephone, Tapan
  - viii) Station Superintendent, WBSEB, Tapan
  - ix) Officer-in-charge, Tapan P.S.
  - x) S.A.E, BPC. Tapan.
  - xi) A.D.A, Tapan.

#### **2. Long Term:- Structural Development.**

- a) Strengthening of embankments – West bank of the river Punarbhaba, both side of the river Tangan and Bramhoni would be required to be strengthened.
- b) All the water canals (khari) are not passing water due to heavy siltation. They are required to be desalted.
- c) The drainage system needs to be restored properly.

### **Contingent plan for the year-2020**

1. Block Area : 445.63 sq. K.M
3. Population : 2,48,595 (a) Male:1,27,604 (b) Female : 1,20,988
4. No of Mouzas : 279 (a) No of Mouzas prone to flood: 112, Area :208.24 Sq. K.M  
(b) No of Mouzas prone to draught:92, Area: 178.68 Sq. K.M
5. No of Gram Panchayats: 11
6. No of Block Primary Health Centre: 1
7. No of Primary Health Centers: 3
8. No of Subsidiary health Centers: 44
9. No of Primary Schools: 295(with SSK)
10. No of High Schools: 56(Madrasha+MSK)
11. No of R.L.I. Centers: 33

| No of Mark-II in running condition | No of Mark-II which can be repaired with spare parts | No of Mark-II to be resinked |
|------------------------------------|--|------------------------------|
| 4900                               | 82   | 23                           |

(Data supplied in S.A.E, BPC)

12. No. A.W.C. centers:- 715

| Name of G.P   | G.P-1 | G.P-2 | G.P-3 | G.P-4 | G.P-5 | G.P-6 | G.P-7 | G.P-8 | G.P-9 | G.P-10 | G.P-11 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| No. of Centre | 85    | 75    | 70    | 62    | 55    | 67    | 79    | 66    | 50    | 58     | 48     |

**A.W. center that may be submerged or cut of from other area due to heavy water.**

| Name of G.P.       | Name A.W.C center      | Location Code |
|--------------------|------------------------|---------------|
| Ramparachenchra GP | Muktarampur            | 02            |
| Ramparachenchra GP | Sutail                 | 05            |
| Ramparachenchra GP | Chandrail              | 11            |
| Ramparachenchra GP | Rampara                | 12            |
| Ramparachenchra GP | Nimtair                | 130           |
| Ramparachenchra GP | Mandapara Adibasi Para | 133           |

|                    |                                  |     |
|--------------------|----------------------------------|-----|
| Ramparachenchra GP | Naogaon Paschim                  | 135 |
| Ramparachenchra GP | Muktarampur East                 | 139 |
| Ramparachenchra GP | Ganahar                          | 8   |
| Ramparachenchra GP | Lakshmipur                       | 10  |
| Ramparachenchra GP | Khosalpur                        | 128 |
| Ramparachenchra GP | Naogaon Pasker Ali Para          | 136 |
| Ramparachenchra GP | Naogaon Danga Para               | 137 |
| Ramparachenchra GP | Kasba Batoir Dakshin             | 138 |
| Ramparachenchra GP | Laxmipur West                    | 141 |
| Ramparachenchra GP | Baptail Kharipara                | 251 |
| Ramparachenchra GP | Padapara (Naogaon)               | 253 |
| Ramparachenchra GP | D. Miuktarampur                  | 254 |
| Ramparachenchra GP | Laxmipur Dakshin                 | 256 |
| Ramparachenchra GP | Paschim Mandapara                | 257 |
| Ramparachenchra GP | Naogaon Gopal Pramanik Para      | 258 |
| Ramparachenchra GP | Magurpur Tictikipara             | 325 |
| Ramparachenchra GP | Magurpur Primary School Para     | 326 |
| Ramparachenchra GP | Mandapara Panchi Para            | 348 |
| Ramparachenchra GP | Mandapara Dakshin Para           | 349 |
| Ramparachenchra GP | Laxmipur Satgharia Para          | 358 |
| Ramparachenchra GP | Laxmipur Guidara Para            | 359 |
| Ramparachenchra GP | Dakshin Laxmipur Chania Para     | 360 |
| Ramparachenchra GP | Laxmipur Batana Para             | 361 |
| Ramparachenchra GP | Laxmipur Gudna More              | 362 |
| Ramparachenchra GP | Naogaon West Bramhani River Side | 646 |
| Ramparachenchra GP | Muktarampur Chaupathi            | 647 |
| Ramparachenchra GP | Baptail Bake Para                | 648 |
| Ajmatpur GP        | Bazrapukur (North)               | 13  |
| Ajmatpur GP        | Palimahadevpur                   | 15  |
| Ajmatpur GP        | Deogoan Bania Para               | 652 |
| Ajmatpur GP        | Monohali                         | 17  |
| Ajmatpur GP        | Gopinathpur Danga Para           | 374 |
| Ajmatpur GP        | Basuria                          | 263 |
| Ajmatpur GP        | Bhutpara                         | 144 |
| Ajmatpur GP        | Fatakpara                        | 146 |
| Ajmatpur GP        | Nildaspara                       | 148 |
| Ajmatpur GP        | Doara                            | 230 |
| Ajmatpur GP        | Bazrapukur P. Para               | 147 |
| Ajmatpur GP        | Bazrapukur Nittananda Para       | 264 |
| Ajmatpur GP        | Dakhline Gambhiratala            | 385 |
| Ajmatpur GP        | Bazrapukur Subhas Coloni Para    | 391 |
| Ajmatpur GP        | Uttar Bazrapukur Mandal Para     | 654 |
| Ajmatpur GP        | Uttar Bazrapukur Rajbanshi Para  | 392 |
| Ajmatpur GP        | Bazrapukur Chengkuri             | 397 |
| Ajmatpur GP        | Basuria Nadir Purba Par          | 651 |
| Ajmatpur GP        | Bazrapukur Fatakpara             | 656 |
| Harsura GP         | Mahanaj                          | 33  |
| Harsura GP         | Sreerampur                       | 37  |
| Harsura GP         | Uttar Mahadevpur                 | 41  |
| Harsura GP         | Purba Harsura                    | 167 |
| Harsura GP         | Purba Harsura Mehera Para        | 434 |
| Harsura GP         | Uttar Mahadevpur Naira Kuri      | 456 |
| Harsura GP         | Uttar Mahadevpur School Para     | 671 |
| Harsura GP         | Bandighi Dakshin Para            | 430 |
| Harsura GP         | Bandighi North                   | 274 |

|                    |                                |     |
|--------------------|--------------------------------|-----|
| Dwipkhanda GP      | Chhiraikuri                    | 249 |
| Tapan Chandipur GP | Aktail                         | 58  |
| Tapan Chandipur GP | Telighata                      | 56  |
| Tapan Chandipur GP | Jamalpur(south)                | 57  |
| Tapan Chandipur GP | Milkydanga                     | 238 |
| Tapan Chandipur GP | Fatepur                        | 59  |
| Tapan Chandipur GP | Halidana                       | 286 |
| Ramchandrapur GP   | Kardaha North                  | 64  |
| Ramchandrapur GP   | Sukdevpur Old                  | 702 |
| Ramchandrapur GP   | Sukdevpur Madrasa              | 188 |
| Ramchandrapur GP   | Sukdevpur Mokhapara            | 189 |
| Ramchandrapur GP   | Sukdevpur Baluchar             | 513 |
| Ramchandrapur GP   | Sukdevpur School Para          | 515 |
| Ramchandrapur GP   | Sukdevpur Gudar Para           | 516 |
| Ramchandrapur GP   | D. Sukdevpur Madhya Para       | 514 |
| Ramchandrapur GP   | Ramchandrapur                  | 71  |
| Ramchandrapur GP   | Jiotkundu                      | 194 |
| Ramchandrapur GP   | Mohindar                       | 196 |
| Ramchandrapur GP   | Gangarampur                    | 197 |
| Ramchandrapur GP   | Pitakola                       | 239 |
| Ramchandrapur GP   | Gangarampur Singh Para         | 547 |
| Ramchandrapur GP   | Singh Para                     | 549 |
| Ramchandrapur GP   | Mokhapara Purba Par            | 685 |
| Ramchandrapur GP   | Nowpara                        | 530 |
| Ramchandrapur GP   | Ramchandrapur Kaw Pukur        | 534 |
| Ramchandrapur GP   | Dharma Danga                   | 538 |
| Gurail GP          | Soair                          | 75  |
| Gurail GP          | Tal Ghatika                    | 77  |
| Gurail GP          | Laxminarayanpur                | 78  |
| Gurail GP          | Katrail                        | 79  |
| Gurail GP          | Dubahar                        | 201 |
| Gurail GP          | Bakharpur                      | 203 |
| Gurail GP          | Shyampur                       | 206 |
| Gurail GP          | Salgoan                        | 207 |
| Gurail GP          | Nahirkuri                      | 208 |
| Gurail GP          | Basakbari                      | 209 |
| Gurail GP          | Shisrail                       | 242 |
| Gurail GP          | Laxminarayanpur Adibashi Para  | 300 |
| Gurail GP          | Vior Mukdampur                 | 212 |
| Gurail GP          | Dighi Para                     | 557 |
| Gurail GP          | Madhyapara Khamar Para         | 558 |
| Gurail GP          | Nabab Nagar Bazar Para         | 559 |
| Gurail GP          | Laxminarayanpur Pukur Para     | 560 |
| Gurail GP          | Laxminarayanpur Choube Para    | 561 |
| Gurail GP          | Beruli                         | 562 |
| Gurail GP          | Ghatika Halder Para Naya para  | 566 |
| Gurail GP          | Ghatika Te Mother More         | 568 |
| Gurail GP          | Nabab Nagar Durgatala Chaipara | 693 |
| Autina GP          | Nimpur(Weat)                   | 219 |
| Autina GP          | Kakna                          | 213 |
| Autina GP          | Khalshi                        | 214 |
| Autina GP          | Gorenda                        | 82  |
| Autina GP          | Nimgachhi                      | 103 |
| Autina GP          | Atila                          | 104 |
| Autina GP          | Arjunpur                       | 101 |

|              |                                    |     |
|--------------|------------------------------------|-----|
| Autina GP    | Mallickpur                         | 105 |
| Autina GP    | Berakuthi                          | 244 |
| Autina GP    | Omar Mollah Para,<br>Chakbrindaban | 585 |
| Autina GP    | Khalsi Uttar Para                  | 593 |
| Autina GP    | Shaluk Kuri                        | 597 |
| Autina GP    | Dakshin Para                       | 602 |
| Autina GP    | Chakdarpanarayana                  | 698 |
| Malancha GP  | Paharpur                           | 245 |
| Malancha GP  | Jajihar Dakshin                    | 246 |
| Malancha GP  | Daing Malancha Uttar Para          | 619 |
| Malancha GP  | Charan Mardi`s House               | 620 |
| Malancha GP  | Dilalpur Rabi Oraw`s House         | 621 |
| Malancha GP  | Abhirampur Tuilapara               | 623 |
| Malancha GP  | Haribanshipur Jiban Para           | 624 |
| Malancha GP  | Tarajpur                           | 318 |
| Gofanagar GP | Chaksathiher                       | 113 |
| Gofanagar GP | Gofanagar                          | 115 |
| Gofanagar GP | Basudevpur                         | 114 |
| Gofanagar GP | Banial                             | 108 |
| Gofanagar GP | Sulpanipur                         | 117 |
| Gofanagar GP | Kharikadanga                       | 224 |
| Gofanagar GP | Kashmulai                          | 321 |

(Data supplied by C.D.P.O, Tapan)

13. Total No. of MSK (GP wise): 11 nos

| Name of G.P | G.P-1 | G.P-2 | G.P-3 | G.P-4 | G.P-5 | G.P-6 | G.P-7 | G.P-8 | G.P-9 | G.P-10 | G.P-11 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| No. of MSK  | 01    | 01    | 01    | 01    | 01    | 01    | 01    | 01    | 01    | 01     | 01     |

14. Total No. of SSK(GP wise) : 93 nos.

| Name of G.P | G.P-1 | G.P-2 | G.P-3 | G.P-4 | G.P-5 | G.P-6 | G.P-7 | G.P-8 | G.P-9 | G.P-10 | G.P-11 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| No. of SSK  | 10    | 10    | 08    | 08    | 07    | 05    | 12    | 04    | 09    | 09     | 11     |

**15. Total cattle population:-**

| No. of G.P | Cattle | Buffalo | Sheep | Goat  | Pig  | Fowl   | Duck  |
|------------|--------|---------|-------|-------|------|--------|-------|
| 1          | 10164  | 712     | 780   | 5133  | 712  | 16456  | 8056  |
| 2          | 9155   | 450     | 512   | 6018  | 1022 | 7125   | 8012  |
| 3          | 8884   | 405     | 623   | 7012  | 201  | 13222  | 10556 |
| 4          | 11556  | 742     | 545   | 4156  | 622  | 21106  | 10451 |
| 5          | 7896   | 612     | 623   | 4963  | 345  | 12445  | 8545  |
| 6          | 11238  | 452     | 105   | 7788  | 321  | 8125   | 4123  |
| 7          | 8023   | 545     | 345   | 6789  | 789  | 19875  | 11254 |
| 8          | 8120   | 1125    | 788   | 5147  | 1408 | 18963  | 7896  |
| 9          | 9012   | 645     | 874   | 5789  | 588  | 19741  | 5996  |
| 10         | 9125   | 542     | 244   | 4028  | 326  | 20492  | 6545  |
| 11         | 8456   | 712     | 45    | 4778  | 402  | 12456  | 5889  |
| Total      | 101629 | 6942    | 5484  | 61601 | 6736 | 170006 | 87323 |

(Data supplied by B.L.D.O, Tapan)

**Boat hired by different G.P.** Ramparachenchra -7 nos. Ajmatpur-4 nos, Ramchandrapur -2 nos  
Gurail – 7 nos.

**Flood Shelters made by Govt. aid.**

| <b><u>Sl no</u></b> | <b><u>Location</u></b>   | <b><u>Co-ordinates</u></b> | <b><u>Accommodation Capacity</u></b> | <b><u>Present condition</u></b> | <b><u>Runded by (name of Deptt./Sec.)</u></b> |
|---------------------|--|----------------------------|--------------------------------------|---------------------------------|---|
|                     | Magurpur Flood Shelter, Magurpur, Baptail, Ramparachenchara GP |                            | 250 to 300                           | Good                            | Disaster Managment                            |
|                     | Ajmatpur Anchal High School, Bazrapukhur, Ajmatpur GP          |                            | 150 to 200                           | Good                            | Disaster Managment                            |
|                     | Bazrapukhur Jr. Basic School, Bazrapukhur, Ajmatpur GP         |                            | 150 to 200                           | Good                            | Disaster Managment                            |
|                     | Kardaha High School  |                            | 350 to 400                           | Good                            | Disaster Managment                            |
|                     | Ramchandrapur High School, Ramchandrapur, Ramchandrapur GP     |                            | 350 to 400                           | Good                            | Disaster Managment                            |
|                     | Bakharapur High School, Bakharapur, Gurail GP                  |                            | 320 to 350                           | Good                            | Disaster Managment                            |

**Block Action Team:**

1. B.D.O, Tapan,
2. Jt. B.D.O, Tapan,
3. B.M.O (H), Tapan,
4. A.D.A, Tapan,
5. S.A.E (RWP)
6. B.L.D.O, Tapan,
7. S.A.E (BPC)
8. C.D.P.O, Tapan,
9. Officer-in-charge, Tapan Police Station.
10. B.D.M.O

**NGO/Agency Phone Number**

| <b><u>Sl. No.</u></b> | <b><u>Name of Agency</u></b>                               | <b><u>Mobile Number</u></b> |
|-----------------------|--|-----------------------------|
|                       | NGO  |                             |
| 1                     | Bolla Janakalyan Samity                                    | 9609795689/9609816076       |
| 2                     | Khalsi Social Welfare Organization                         | 9635691345                  |
| 3                     | Tapan Sukanta Mancha                                       | 9932362236/9002587687       |
| 4                     | Chandohati Muslim Welfare Society                          | 9733470680                  |
| 5                     | Tagore Society for Rural Development                       | 7585031161                  |
| 6                     | Chakvrigu Vidyasagar Social Welfare Society                | 8016835085                  |
| 7                     | Dwipkhanda Adibashi Sangha & Library                       | 8116049266                  |
| 8                     | Raghunathpur Social Services and Rural Development Society | 9609804006/9647850494       |
| 9                     | Kamarpara Rammohan Rural Development Society               | 7501413585                  |
| 10                    | Adibasi Yubakalyan Sangha                                  | 8972776262                  |

**Identification of disaster prone G.P's of Tapan Block:**

(i)G.P No. 1, 2, 4, 7, 8 & 9 all the flood prone area. amongst them

- (ii) G.P. No. 1, 2, 7 & 8 for over flow of river and heavy rain fall.  
 (iii) G.P. No. 4, 6 & 9 only for heavy rain fall.

### **Rainfall information of Tapan Block for the last 10 years.**

Average rain fall for Tapan Block.(Data received from Assistant Farm Manager, Tapan Block Seed Farm)

| Sl. No. | Month     | Average Rainfall (in mm.) | Actual rainfall (in mm.) |
|---------|-----------|---------------------------|--------------------------|
| 1       | January   | 4.76                      | 23.8                     |
| 2       | February  | 15.44                     | 77.2                     |
| 3       | March     | 11.84                     | 5.2                      |
| 4       | April     | 41.7                      | 208.5                    |
| 5       | May       | 72.75                     | 291.4                    |
| 6       | June      | 300.3                     | 1201.2                   |
| 7       | July      | 235.6                     | 942.4                    |
| 8       | August    | 266.45                    | 1065.8                   |
| 9       | September | 201.25                    | 805                      |
| 10      | October   | 91.55                     | 366.2                    |
| 11      | November  | 0.1                       | 0.4                      |
| 12      | December  | Nil                       | Nil                      |

(All rainfall are in mm Decimal approximation is used here)

### **Rain Recording Station : Crisis Management Team**

| Name of Gram Panchayat | G.P level crisis management team   | Telephone No.  |
|------------------------|--|--|
| Rampara Chenchra       | 1. Sri Ambar Mohan Roy Choudhury, Secy.<br>2. Sri Sanjit Kumar Roy, NS<br>3. Sri Ashok Chandra Roy, Sahayak,<br>4. Sri. Amirul Mahalat, G.P. Karmee<br>5. Sri Amiya Sarkar, G.P.Karmee                             | 9434325409<br>9733473400<br>8348636158<br>9734931447<br>9735024165                             |
| Ajmatpur               | 1. Sri Narendranath Barman, EA<br>2. Sri Ujjal Roy, Secy.<br>3. Sri. Sourajit Biswas, N.S.<br>4.Smt. Pali Ghosh, GPK<br>5.Sri Chapal Ghosh, G.P Karmee<br>6. Altap Mandal, Sahayak<br>7. Tapan Kumar Bhowmick, GPK | 9932104633<br>9775431235<br>9475229286<br>9563878784<br>9434969509<br>9733475537<br>9474434455 |
| Hazaratpur             | 1. Sri. Chittaranjan Karmakar, N.S.<br>2. Jillur Rahaman, Sahayak<br>3.Sri Naresh Ch. Tappo, GPK   | 9932273733<br>9064192916<br>9735901886   |
| Harsura                | 1. Sri Uday Chandra Sarkar, EA<br>2. Harun Rasid Mondal<br>3. Aminul Islam, N.S.<br>4. Smt. Chhaya Deb Sharma, Sahayak<br>5. Sri Habibur Rahaman, GPK<br>6. Sri Dilip Kumar Orawn GPK                              | 7602810100<br>9734939191<br>9593819903<br>9734582376<br>9733231861<br>8670239076               |
| Dwipkhanda             | 1. Sri Tapan Kr. Biswas, Secy.<br>2. Sri. Rathin Dey, N.S.<br>3. Sri Achinta Paul, Sahayak<br>4. Sri Grindranath Singh, GPK  | 9474141172<br>9163821206<br>9474072321<br>7031047685   |
| Tapan Chandipur        | 1. Sri Swapan Kumar Kundu, E.A.<br>2. Sri. Sudip Bhadra, N.S<br>3. Sri. Khudiram Sarkar, Sahayak<br>4. Afjal Sarkar, GPK<br>5. Sri. Dilip Mridha, GPK<br>6. Sri. Bhupen Roy, GPK.                                  | 9547453287<br>9434247044<br>9474851645<br>9734908604<br>7872283214<br>7872455926               |
| Ramchandrapur          | 1. Sri Mintu Barman, Secy.<br>2. Sri. Tushar Kanti Das, N.S.<br>3. Sri. Soma Das, Sahayak<br>4. Sri. Najimuddin Sarkar, GPK  | 8372013787<br>9932748135<br>9932990974<br>9635116343   |



|           |  |  |
|-----------|--|--|
|           | 5. Sri Kakuli Ghosh, GPK<br>6. Sri. Renuka Majumder, GPK   | 7098838951<br>7076928882   |
| Gurail    | 1. Sri Swapan Kr. Ghosh, Secy.<br>2. Sri. Goutam Sarkar, N.S.<br>3. Sri. Birendranath Barman, Sahayak<br>4. Sri. Debendranath Roy, GPK<br>5. Sri. Satyendra Nath Ghosh, GPK  | 9474851651<br>8346033826<br>9733260546<br>9679848264<br>7477442371   |
| Autina    | 1. Sri. Nakul ch. Singh, E.A<br>2. Sri. Anup Kr. Sarkar, Secy<br>3. Sri. Jharia Tappo, N.S.<br>4. Sri. Bhudeb Pahan, Sahayak.<br>5. Sri. Debabrata Biswas, Sahayak.<br>6. Smt. Sukumari Das, GPK<br>7. Sri. Jayanta Barman, Mentor<br>8. Subrata Kumar Majumder, GPK | 9933480517<br>9434969202<br>9733031710<br>7063839069<br>9733114828<br>9734173522<br>9609977014<br>9733236607 |
| Malancha  | 1. Sri. Biplab Adhikari<br>2. Sri. Bidyut Sarkar, Secy.<br>4. Smt. Lipika Ghosh, Sahayak<br>5. Sri. Hanifur Rahaman, GPK<br>6. Sri. Hemendu Roy, GPK   | 7477407538<br>9932876755<br>9734083560<br>9775483994<br>9800407211   |
| Gofanagar | 1. Sri. Mridul Kumar Ghosh, E.A<br>2. Sri. Atanu Sarkar, Secy.<br>3. Sri. Kalyan Mujumdar, N.S.<br>4. Sri. Arindam Dey, Sahayak,<br>5. Sri. Apurba Sarkar, GPK<br>6. Sri. Jatin Tapno, GPK   | 9002849433<br>9733270744<br>8348515945<br>9434513385<br>9800487864<br>8348027687                             |

1. Total No. of rain recording station in the Block-Tapan
2. Location of rain recording station- It is situated at B.S.F. Tapan,
3. Telephone Numbers of the Rain Recording Station 03521252943

| Sl. No. | Name of the Block | Agriculture Land (ha.) |        |          |
|---------|-------------------|------------------------|--------|----------|
|         |                   | High                   | Medium | Low      |
| 1       | Tapan             | 3680.85                | 2614.8 | 11042.55 |

(All rainfall data are in mm)

#### Crop Pattern.

| Sl. No. | Name of Block | Type of Crops | Area Cultivated (in Hect.) |
|---------|---------------|---------------|----------------------------|
| 1       | Tapan         | Boro Paddy    | 4290                       |
| 2       |               | Jute          | 3480.2                     |
| 3       |               | Mustared      | 4577                       |
| 4       |               | Wheat         | 2885                       |
| 5       |               | Potato        | 2134                       |
| 6       |               | Til           | 3.5                        |

1. Total Cultivated Land – 35338.2 Ha.
2. % of irrigated Land – 62.5%
3. % of Fallow Land – 7%
4. Cropping intensity - 189.63%
5. Major Crops & Vegetables – Amon Paddy, Boro Paddy, Wheat, Mustered, Brinjals, Chili etc.

Gram Panchayat wise **Medical Team**  
(**Tapan Development Block**)  
(Team formed by **B.M.O.(H)**, Tapan)

| <b>Name of the G.P.</b> | <b>Name of the Staff</b>  | <b>Designation</b>   | <b>Contact No</b>  |
|-------------------------|---|--|--|
| No.1, Rampara chenchra  | Dr. Mintu Sikdar<br>Dr. Subodip Chatterjee<br>Monorama Sarkar<br>Archana Das<br>Sunita Chowdhury<br>Lina Adhikari<br>Muslema Khatun<br>Madhumita Das Roy<br>Saptami Das<br>Jayenti Mandal Saha  | M.O.<br>M.O.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>2 <sup>nd</sup> A.N.M.                         | 9051244222<br>9434441455<br>9733087763<br>9733041151<br>9734960112<br>8116114440<br>9733086665<br><br>9734083470<br>9733334072                             |
| No.2, Ajmatpur          | Tapasi Saha<br>Minu Roy<br>Jharna Raha<br>Rina Mitra Ghosh<br>Chaina Mondal<br>Kalpana Barman<br>Nibedita Roy<br>Mithu Dhar   | H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)   | 7908740668<br>9732162474<br>8145755812<br>9002362126<br>9475311283<br>9647813029<br>9735014778<br>6295733208   |
| No.3, Hazaratpur        | Gaitry Das<br>Jayashree Saha<br>Moumita Bagchi<br>Kakali Basak<br>Rikta Mandal<br>Ayalisha Sahin<br>Shipra Das  | H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.   | 9932113686<br>9733473597<br>9474852978<br>9008965782<br>9614100433<br>9475957074<br>9932638507   |
| No.4, Harsura           | Papi Chakrabarty<br>Rita Dutta<br>Madhuri Dev<br>Jhunu Bose<br>Rehena Parvin<br>Swapna Mallik<br>Tripti Barman<br>Mukti kundu   | H.F.(S)<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)   | 9474850255<br>8906777212<br>9932168594<br>8967254380<br>9635768262<br>9434963194<br>9593210990<br>9609710674   |
| No.5, Dwipkhanda        | Dilara hossain<br>Mana Choudhury<br>Farha Islam Sarkar<br>Jinnad Laila Firdousi<br>Manjushree Mandal<br>Rahima Khatun   | H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.   | 9734906481<br>9609889667<br>9775326664<br>9733481498<br>9734979940<br>9734116583   |
| No.6, Tapan Chandipur   | Dr. P. Banerjee<br>Protima Saren<br>Sova Sarkar<br>Priti Das<br>Poli Barman<br>Pampa Lahari<br>Sefali Soren<br>Popy Barman<br>Mousami Das<br>Husnehara Khatun<br>Barnali Kar<br>Mamani Mujumdar | M.O.<br>H.A.(F)<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M. | 9851124595<br>8250792427<br>9734055020<br>9733319171<br>9775482843<br>9733265564<br>9733165385<br>9735024055<br>9932827082<br>9836017770<br><br>9932455182 |

|                     |   |   |  |
|---------------------|---|---|--|
| No.7, Ramchandrapur | Anita Talukdar<br>Chaitali Ghosh<br>Pampa Mahato<br>Alaka Barman<br>Tahamina Khatun<br>Rekha Sarkar<br>Ruma Sarkar<br>Mili Chakraborty<br>Tampi Mitra<br>Sadana Roy | H.S.(F)<br>H.A.(F)<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M. | 9679439697<br>8906104907<br>8900369966<br>9932208601<br>9475722456<br>7501127548<br>9547772712<br>9733260131<br>9475675210<br>9432175929 |
| No.8, Gurail,       | Shikha Roy<br>Kulsum Begam<br>Nibedita Mohanta<br>Kabita Das<br>Jayashree Mandal<br>Basanti Barman<br>Soma bhoumik<br>Shikha Roy                                    | H.S.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>2 <sup>nd</sup> A.N.M.                      | 9932107602<br>9734978223<br>9733423543<br><br>8900673971<br>9733383899<br>9614603589<br>9679021413                                       |
| No.9, Autina,       | Ela Chakraborty<br>Anjali Das<br>Sima Barman<br>Rubina Yeasmin<br>Moumita Das<br>Jayanti Kujur  | H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.   | 9434374025<br>9733094997<br>9343963204<br>9735916111<br>7797073121<br>9775495071   |
| No.10, Malancha     | Sarathi Roy<br>Tutul Sarkar<br>Minu Barman<br>Swapna Mandal<br>Sarala Barman<br>Ruma Choudhury  | H.S.(F)<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.S.(F)<br>2 <sup>nd</sup> A.N.M.<br>H.A.(F)  | 9474139045<br>9775893324<br>9477074307<br>9474103192<br>9476320062<br>9775893395   |
| No.11, Gofanagar    | Mina Mondal<br>Keya Ghosh<br>Sanchita Sarkar<br>Bandani Kujur<br>Mosha Mahasena Khatun  | H.S.(F)<br>H.A.(F)<br>H.A.(F)<br>2 <sup>nd</sup> A.N.M.<br>2 <sup>nd</sup> A.N.M.   | 9434058816<br>9434963046<br>9933891798<br>9593895189<br>9734981334   |

**STORE KEEPER / ACCOUNT MAINTENANCE**

| Sl No | Name of staff                   | Telephone No. |
|-------|---------------------------------|---------------|
| 1     | Sri Sefarul Islam (PS Cashier ) | 9614205412    |
| 2     | Sri. Sankar Roy, DEO (PS)       | 9434963739    |
| 3     | Sri Gopesh Ch. Mahato, LDC.     | 9735036233    |

**CONTROL ROOM, Phone No. 03521 – 252213**

| Sl No | Name of staff                        | Telephone No.         |
|-------|--------------------------------------|-----------------------|
|       | Sri Tshogel Moktan Tanmang, B.D.O    | 9434077107/8373069031 |
|       | Smt.Bandana Serpa, Jt. B.D.O         | 9064324072            |
|       | Sri Junas Kisku, SEO(BDMO in Charge) | 8900673703            |
|       | Sri Sumit Mondal, FEO                | 8913091299            |
|       | Sri, Rajkumar Halder IMW             | 8927266354            |
|       | Sri. Dibakar Lahiri, BIO             | 9434155070            |
|       | Sri. Bhagwan Dutt Thakur , H.C       | 9932204657            |
|       | Sri Bishnupada Sarkar, Cashier       | 9933646880            |
|       | Sri Sefarul Islam (PS Cashier )      | 9614205412            |
|       | Sri Gopesh Ch. Mahato, LDC.          | 9735036233            |
|       | Sri Nabanu Barman, Night Guard       | 9775858463            |

**CONTROL ROOM (BMOH)**

| Sl No | Name of staff | Telephone No. |
|-------|---------------|---------------|
|-------|---------------|---------------|

|   |                         |            |
|---|-------------------------|------------|
| 1 | Dr. Debesh Nath, BMOH   | 9434328248 |
| 2 | Dulali Saha, BPHN       | 9474738035 |
| 3 | Durgesh Pramanik, B.S.I | 9932129161 |
| 4 | Ankita Das, Sen. PHN    | 9748603936 |

### RESCUE / MONITORING SQUAD FOR DIFFERENT G.P FLOOD – 2019

|                  |  |  |
|------------------|--|--|
| Rampara Chenchra | 1. Sri Ambar Mohan Roy Choudhury, Secy.<br>2. Sri Sanjit Kumar Roy, NS<br>3. Sri Ashok Chandra Roy, Sahayak,<br>4. Sri. Amirul Mahalat, G.P. Karmee<br>5. Sri Amiya Sarkar, G.P.Karmee   | 9434325409<br>9733473400<br>8348636158<br>9734931447<br>9735024165   |
| Ajmatpur         | 1. Sri Narendranath Barman, EA<br>2. Sri Ujjal Roy, Secy.<br>3. Sri. Sourajit Biswas, N.S.<br>4. Smt. Pali Ghosh, GPK<br>5. Sri Chapal Ghosh, G.P Karmee<br>6. Altap Mandal, Sahayak<br>7. Tapan Kumar Bhowmick, GPK   | 9932104633<br>9775431235<br>9475229286<br>9563878784<br>9434969509<br>9733475537<br>9474434455               |
| Hazaratpur       | 1. Sri. Chittaranjan Karmakar, N.S.<br>2. Jillur Rahaman, Sahayak<br>3. Sri Naresh Ch. Tappo, GPK  | 9932273733<br>9064192916<br>9735901886   |
| Harsura          | 1. Sri Uday Chandra Sarkar, EA<br>2. Harun Rasid Mondal<br>3. Aminul Islam, N.S.<br>4. Smt. Chhaya Deb Sharma, Sahayak<br>5. Sri Habibur Rahaman, GPK<br>6. Sri Dilip Kumar Orawn GPK  | 7602810100<br>9734939191<br>9593819903<br>9734582376<br>9733231861<br>8670239076                             |
| Dwipkhanda       | 1. Sri Tapan Kr. Biswas, Secy.<br>2. Sri. Rathin Dey, N.S.<br>3. Sri Achinta Paul, Sahayak<br>4. Sri Grindranath Singh, GPK  | 9474141172<br>9163821206<br>9474072321<br>7031047685   |
| Tapan Chandipur  | 1. Sri Swapan Kumar Kundu, E.A.<br>2. Sri. Sudip Bhadra, N.S<br>3. Sri. Khudiram Sarkar, Sahayak<br>4. Afjal Sarkar, GPK<br>5. Sri. Dilip Mridha, GPK<br>6. Sri. Bhupen Roy, GPK.  | 9547453287<br>9434247044<br>9474851645<br>9734908604<br>7872283214<br>7872455926                             |
| Ramchandrapur    | 1. Sri Mintu Barman, Secy.<br>2. Sri. Tushar Kanti Das, N.S.<br>3. Sri. Soma Das, Sahayak<br>4. Sri. Najimuddin Sarkar, GPK<br>5. Sri Kakuli Ghosh, GPK<br>6. Sri. Renuka Majumder, GPK  | 8372013787<br>9932748135<br>9932990974<br>9635116343<br>7098838951<br>7076928882                             |
| Gurail           | 1. Sri Swapan Kr. Ghosh, Secy.<br>2. Sri. Goutam Sarkar, N.S.<br>3. Sri. Birendranath Barman, Sahayak<br>4. Sri. Debendranath Roy, GPK<br>5. Sri. Satyendra Nath Ghosh, GPK  | 9474851651<br>8346033826<br>9733260546<br>9679848264<br>7477442371   |
| Autina           | 1. Sri. Nakul ch. Singh, E.A<br>2. Sri. Anup Kr. Sarkar, Secy<br>3. Sri. Jharia Tappo, N.S.<br>4. Sri. Bhudeb Pahan, Sahayak.<br>5. Sri. Debabrata Biswas, Sahayak.<br>6. Smt. Sukumari Das, GPK<br>7. Sri. Jayanta Barman, Mentor<br>8. Subrata Kumar Majumder, GPK | 9933480517<br>9434969202<br>9733031710<br>7063839069<br>9733114828<br>9734173522<br>9609977014<br>9733236607 |
| Malancha         | 1. Sri. Biplab Adhikari<br>2. Sri. Bidyut Sarkar, Secy.<br>4. Smt. Lipika Ghosh, Sahayak<br>5. Sri. Hanifur Rahaman, GPK<br>6. Sri. Hemendu Roy, GPK   | 7477407538<br>9932876755<br>9734083560<br>9775483994<br>9800407211   |
| Gofanagar        | 1. Sri. Mridul Kumar Ghosh, E.A<br>2. Sri. Atanu Sarkar, Secy.   | 9002849433<br>9733270744   |

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|  | 3. Sri. Kalyan Mujumdar, N.S.<br>4. Sri. Arindam Dey, Sahayak,<br>5. Sri. Apurba Sarkar, GPK<br>6. Sri. Jatin Tapno, GPK | 8348515945<br>9434513385<br>9800487864<br>8348027687 |
|--|--|--|

**G.P Wisese flood preparatory team of A.R.D. Dept. in Tapan Block**

| Name of GP       | Name of member     | Designation | Contact No | Name of Officer                       | Designation                             | Contact No |
|------------------|--------------------|-------------|------------|---------------------------------------|---|------------|
| Rampara Chanchra | Anjan Kumar Saha   | LDA         | 9832527945 | Dr. Arnab Paul Ph. No - 9475984896    | VO, BAHC, Tapan                         | 9475984896 |
|                  | Mantu Mohan Sarkar | PB          | 9733384262 |                                       |   |            |
| Ajmatpur         | Prasanta Mandal    | PB          | 9593219352 |                                       |   |            |
|                  | Anchhar Mia        | PB          | 9734042478 |                                       |   |            |
| Hazratpur        | Hakim Miah         | PB          | 9593827180 |                                       |   |            |
|                  | Bacchu Basak       | PB          | 9733194124 |                                       |   |            |
| Harsura          | Sanat Kumar Saha   | LDA         | 9932922182 |                                       |   |            |
|                  | Nazrul Kaji        | PB          | 9733397574 |                                       |   |            |
|                  | Mijanu Sarkar      | PB          | 9735042443 |                                       |   |            |
| Dwipkhanda       | Naren Barman       | PB          | 9593624754 |                                       |   |            |
|                  | Bablu Mahato       | PB          | 9775415666 |                                       |   |            |
| Tapan Chandipur  | Pranab Kr. Das     | PB          | 9002441898 | Dr. Diganta Pan Dr. Niladri Sekar Roy | VO, ABAHC, Kardaha VO, ABAHC, Laskarhat | 9474512576 |
|                  | Charan Hasda       | PB          | 9609890788 |                                       |   |            |
| Ramchandrapur    | Tapash Kumar Ghosh | PB          | 9434969564 |                                       |   |            |
| Gurail           | Ananda Kumar Roy   | PB          | 9932140816 |                                       |   |            |
|                  | Nicolas Hemram     | PB          | 8158835657 |                                       |   |            |
| Autina           | Sujit Kumar Mahato | LDA         | 9734158227 |                                       |   |            |
|                  | Biplab Kumar ghosh | PB          | 9734006337 |                                       |   |            |
| Malancha         | Jitendranath Ghosh | PB          | 9647848664 |                                       |   |            |
|                  | Kumar Kanti Ghosh  | LDA         | 9647572244 |                                       |   |            |
|                  | Rudrakanta Barman  | PB          | 9734954994 |                                       |   |            |
| Gofanagar        | Satyen Mondal      | LDA         | 9735070469 |                                       |   |            |
|                  | Osman Ali Miah     | PB          | 9832579520 |                                       |   |            |

(Data supplied by B.L.D.O., Tapan)

**List of Country Boat Owners**

| Sl.No. | G.P.No. | Name               | Father's Name             | Address      | Contact No. |
|--------|---------|--------------------|---------------------------|--------------|-------------|
| 1      | 1       | Taralal Chowdhury  | Late Jawharlal Chowdhury  | Magurpur     | 7031882005  |
| 2      | 1       | Pradip Chowdhury   | Late Narasingha Chowdhury | Naogaon East | 9932176180  |
| 3      | 1       | Ajjur Rahaman      | Khosh Mahammad            | Khoshalpur   | 9775861999  |
| 4      | 1       | Ratan Ram          | Ramjit Roy                | Sutail       | 9733190302  |
| 5      | 1       | Swapan Roy         | Bhupen Roy                | Khoshalpur   | 9593940984  |
| 6      | 1       | Mainur Rahaman     | Ajjur Rahaman             | Khoshalpur   | 9775861999  |
| 7      | 1       | Budhurai Choudhury | Banayari Choudhury        | Kharipara    |             |
| 8      | 2       | Suresh Paul        |                           | Bazrapukur   | 7031755626  |
| 9      | 2       | Dulal Paul         |                           | Bazrapukur   |             |
| 10     | 2       | Bhairab Paul       |                           | Bazrapukur   |             |
| 11     | 2       | Praja Paul         |                           | Bazrapukur   |             |
| 12     | 8       | Jhantu Das         |                           | Nababnagar   |             |
| 13     | 8       | Sital Das          |                           | Nababnagar   |             |
| 14     | 8       | Sunil Das          |                           | Nababnagar   |             |
| 15     | 8       | Radha Das          |                           | Nababnagar   |             |
| 16     | 8       | Gopal Das          |                           | Nababnagar   |             |
| 17     | 8       | Madhu Das          |                           | Nababnagar   |             |
| 18     | 8       | Anil Das           |                           | Nababnagar   |             |

**List of Dry Food Stokist**

| Sl.No. | G.P.No. | Name               | M.R.NO.    | Address          | Contact No. |
|--------|---------|--------------------|------------|------------------|-------------|
| 1      | 1       | Prabodh Kumar Das  | M.R.NO.-2  | Rampara Chenchra | 9609759216  |
| 2      | 2       | Dilip Das          | M.R.NO.-13 | Bazrapukur       | 8016780395  |
| 3      | 2       | Riyajuddin Sarkar  | M.R.No.-14 | Basuriya         | 9734945014  |
| 4      | 5       | Prodip Chowdhury   | M.R.NO.-7  | Daralhat         | 7076150436  |
| 5      | 5       | Dipesh Kanti Ghosh | M.R.No.-8  | Sundarpur        | 9434967973  |

|    |   |   |                           |           |            |
|----|---|---|---------------------------|-----------|------------|
| 6  | 5 | Makbul Hossain Sarkar                                 | M.R.No.-36                | Durgapur  | 8768331838 |
| 7  | 7 | Manukiya Chowdhury                                    | M.R.NO.-15                | Kardaha   | 9733037941 |
| 8  | 7 | Nirmal Roy S/o Sitanath                               | M.R.NO.-40                | Sukdevpur | 9734900975 |
| 9  | 8 | Sirajuddin Sarkar                                     | M.R.NO.-18                | Bhadraail | 8670111779 |
| 10 | 8 | Smt. Mamta Begam                                      | M.R.NO.-29                | Vior      | 9733383608 |
| 11 | 8 | Fanindra Nath Roy (Death) tag with Mamta Begam(MR-29) | M.R.No.-38 tag with MR-29 | Kurahar   | 9679994721 |
| 12 | 8 | Rafiuddin Sarkar                                      | M.R.NO.-43                | Dubahar   | 9733158802 |

**EVACUATION PLAN OF TAPAN BLOCK**

| Name of block | Name of police station | Name of Gram Panchayat | Name of village                       | Name of temporary rescue shelter | Location of the same | Accommodation capacity of the shelter | Name of the para/lane from where people will come here | Shortest route to be used by the concerned villagers           |
|---------------|------------------------|------------------------|---------------------------------------|----------------------------------|----------------------|---------------------------------------|--|--|
| TAPAN         | Tapan                  | Rampara Chenchra       | Khosalpur                             | Khosalpur FP School              | Khosalpur            | 250                                   | Khosalpur  | In the same village  |
|               |                        |                        | Muktarampur                           | Muktarampur FP School            | Muktarampur          | 250                                   | Muktarampur  | In the same village  |
|               |                        |                        | Chandrail                             | Chandrail FP School              | Chandrail            | 250                                   | Chandrail  | In the same village  |
|               |                        |                        | Nimtair, Vimtair                      | Magurpur High School             | Magurpur             | 1200                                  | Nimtair  | Nimtair, Vimtair to Magurpur High School by road               |
|               |                        |                        | Sutail                                | Sutail FP School                 | Sutail               | 250                                   | Sutail   | Sutail to Sutail F.P.School in the same village                |
|               |                        |                        | Ganahar                               | Ganahar SSK Building             | Ganahar              | 100                                   | Ganahar  | In the same village  |
|               |                        |                        | Kasba Batoir                          | Kasba Batoir SSK Building        | Kasba Batoir         | 100                                   | Kasba Batoir   | In the same village  |
|               |                        |                        | Mandapara                             | Mandapara SSK & FPS              | Mandapara            | 400                                   | Mandapara  | In the same village  |
|               |                        |                        | Naogoan                               | Naogoan FP School                | Naogoan              | 300                                   | Naogoan  | In the same village  |
|               |                        |                        | Baptail                               | Baptail FP School                | Baptail              | 200                                   | Baptail  | In the same village  |
|               |                        |                        | Jormoil                               | Jormoil FP School                | Jormoil              | 250                                   | Jormoil  | In the same village  |
|               |                        |                        | Magurpur, Aihara                      | Magurpur Flood Shelter           | Magurpur             | 1300                                  | Magurpur   | In the same village .Aihara to flood shelter-1 Km. by road     |
|               |                        |                        | Singhari                              | Singhari SSK Building            | Singhari             | 100                                   | Singhari   | In the same village  |
|               |                        |                        | Guldanga                              | Guldanga SSK Building            | Guldanga             | 100                                   | Guldanga   | In the same village  |
|               |                        |                        | Laxmipur                              | Laxipur FP School                | Laxipur              | 300                                   | Laxipur  | Laxmipur to Laxmipur F.P.S in the same village                 |
|               |                        |                        | Jadupur                               | Jadupur FP School                | Jadupur              | 300                                   | Jadupur  | Jadupur to Jadupur F.P.S. in the same village                  |
|               |                        |                        | Rampara Chechara                      | Rampara Chechara                 | Rampara Chechara     | 300                                   | Rampara Chechara                                       | Rampara Chenchra F.P.School in the same village                |
|               |                        | Ajmatpur               | Basuria                               | Basuria AEC SSK & FP School      | Basuria              | 800                                   | Basuria  | In the same village-0-distance                                 |
|               |                        |                        | Gupinathpur                           | Gupinathpur SSK Building         | Gupinathpur          | 100                                   | Gupinathpur  | In the same village-0-distance                                 |
|               |                        |                        | Bajrapukur, Palimahadevpur, Karanjara | Bajrapukur Flood Shelter         | Bajrapukur           | 900                                   | Bajrapukur   | In the same village-o-distance &Polimahadevpur to Bajrapukur-1 |

|      |       |                         |                          |   |                          |      |                           |   |
|------|-------|-------------------------|--------------------------|---|--------------------------|------|---------------------------|---|
| APAN | Tapan | Ajmatpur                |                          |   |                          |      |                           | KM.Karanjara to Bajrapukur-                                     |
|      |       |                         | Anatoir                  | SSK Building                                  | Anatoir                  | 400  | Anatoir                   | In the same village   |
|      |       |                         | Paboil                   | Paboil F.P.School                             | Paboil                   | 300  | Paboil                    | In the same village 0 distance                                  |
|      |       |                         | Umanandapur              | SSK Building                                  | Umanandapur              | 100  | Umanandapur               | In the same village 0 distance                                  |
|      |       |                         | Akhanagar                | Akhanagar F.P.School                          | Akhanagar                | 250  | Akhanagar                 | In the same village 0 distance                                  |
|      |       |                         | Saralbati                | Bajrapukur Flood Shelter                      | Saralbati                | 452  | Saralbati                 | Saralbati to Bajrapukur flood shelter-1 K.M.                    |
|      |       |                         | Chakh Hossain            | Bajrapukur Flood Shelter                      | Chakh Hossain            | 227  | Chakh Hossain             | Chakh Hossain to Bajrapukur flood shelter-1 K.M.                |
|      |       |                         | Chakbahera               |   | Chakbahera               | 140  | Chakbahera                | Chakbahera to Flood Shelter                                     |
|      |       |                         | Dakhlain                 | Dakhlain F.P.School                           | Dakhlain                 | 250  | Dakhlain                  | In the same village 0 distance                                  |
|      |       |                         | Dautpur                  | Dautpur F.P.S.                                | Dautpur                  | 250  | Dautpur                   | In the same village 0 distance                                  |
|      |       |                         | Monoholi                 | Monoholi Flood Shelter                        | Monoholi                 | 4000 | Monoholi                  | In the same village 0 distance                                  |
|      |       | 3 No. Hajratpur         | Kadma Kadoyajagadishbati | Kadma Jr.H.S. & F.P.S                         | Kadma Kadoyajagadishbati | 3250 | Kadma Kadoyaja gadishbati | In the same village Kadoyajagadish Bati to flood Shelter-1 k.m. |
|      |       |                         | Chakbaliram              | Chakbaliram Jr. Basic School & Jr.High School | Chakbaliram              | 550  | Chakbaliram               | In the same village 0 distance                                  |
|      |       |                         | Salsoma                  |   | Salsoma                  | 550  | Salsoma                   | Salsoma to flood shelter-1 K.M.                                 |
|      |       |                         | Hazratpur                | Hazratpur SSK With F.P.S.                     | Hazratpur                | 400  | Hazratpur                 | In the same village 0 distance                                  |
|      |       | 4.Harsura               | Harsura                  | Rampur F.P.S.                                 | Harsura                  | 300  | Harsura                   | In the same village 0 distance                                  |
|      |       |                         | Bandighi Srirampur       | Rampur H.S.                                   | Bandighi Srirampur       | 3000 | Bandighi Srirampur        | Bandighi & Srirampur to Rampur HS                               |
|      |       |                         | Dhulchandriya            | Rampur SSK                                    | Rampur                   | 100  | Dhulchandriya             | Dhulchandriya to Rampur SSK                                     |
|      |       |                         | U/Mahadevpur             | U/Mahadevpur F.P.S,                           | U/Mahadevpur             | 300  | U/Mahadevpur              | In the same village   |
|      |       |                         | Saramjabari              | Saramjabari Jr. Basic School                  | Saramjabari              | 300  | Saramjabari               | In the same village   |
|      |       |                         | Parbatipur               | Parbatipur F.P.School                         | Parbatipur               | 300  | Parbatipur                | In the same village   |
|      |       | 5 No. Dwip khanda       | Boyalikhetra Shibrapur   | Daralhat High School & SSK & F.P.S.           | Daralhat Shibrapur       | 3350 | Boyalikhetra Shibrapur    | Boyalikhetra to Daralhat HS & SSK Shibrapur to Daralhat FPS     |
|      |       |                         | Jidhra                   | Jidhra F.P.S                                  | Jidhra                   | 250  | Jidhra                    | In the same village 0 distance                                  |
|      |       |                         | Kistapur                 | Kistapur F.P.S                                | Kistapur                 | 200  | Kistapur                  | In the same village 0 distance                                  |
|      |       |                         | Chakprabhuram            | Daralhat H.S.                                 | Chakprabhuram            |      | Chakprabhuram             | Chakprabhuram To Daralhat HS                                    |
|      |       |                         | Sarifabad Sundarpur      | Sarifabad F.P.S & Jr.H.S                      | Sarifabad Sundarpur      | 550  | Sarifabad Sundarpur       | In the same village Sundarpur to Sarifabad H.S.                 |
|      |       | 6. No. Tapan Chand ipur | Holidana                 | Holidana H.S. & F.P.S                         | Holidana                 | 5250 | Holidana                  | In the same village 0 distance                                  |
|      |       |                         | Telighata                | Telighata                                     | Telighata                | 250  | Telighata                 | In the same village 0 distance                                  |
|      |       |                         | Jamalpur                 | Amalpur F.P.S                                 | Jamalpur                 | 250  | Jamalpur                  | In the same village 0 distance                                  |
|      |       |                         | Moha                     | Moha F.P.S.                                   | Moha                     | 300  | Moha                      | In the same village 0 distance                                  |

|      |              |                        |                   |                                     |                    |      |                    |  |
|------|--------------|------------------------|-------------------|-------------------------------------|--------------------|------|--------------------|--|
| APAN | <u>Tapan</u> |                        | Jamalgachi        | Jamalgachi SSK                      | Jamalgachi         | 100  | Jamalgachi         | In the same village<br>0 distance      |
|      |              |                        | Jamlabad          | Jamlabad F.P.S                      | Jamlabad           | 250  | Jamlabad           | In the same village<br>0 distance      |
|      |              | 7. No. Ram Chandra-Pur | Sukdebpur         | Sukdebpur F.P.S. & SSK              | Sukdebpur          | 400  | Sukdebpur          | In the same village<br>0 distance      |
|      |              |                        | Katabari          | Katabari F.P.S                      | Katabari           | 205  | Katabari           | In the same village<br>0 distance      |
|      |              |                        | Kardaha           | Kardaha H.S.                        | Kardaha            | 3000 | Kardaha            | In the same village<br>0 distance      |
|      |              |                        | Ganguria          | Ganguria F.P.S                      | Ganguria           | 300  | Ganguria           | In the same village<br>0 distance      |
|      |              |                        | Sikarpur          | Sikarpur F.P.S.                     | Sikarpur           | 250  | Sikarpur           | In the same village<br>0 distance      |
|      |              |                        | Jamalpur          | Jamalpur F.P.S.                     | Jamalpur           | 250  | Jamalpur           | In the same village<br>0 distance      |
|      |              |                        | Vikahar           | Vikahar Hatkhola                    | Vikahar            | 4000 | Vikahar            | In the same village<br>0 distance      |
|      |              |                        | Nazirpur          | Nazirpur F.P.S.                     | Nazirpur           | 300  | Nazirpur           | In the same village<br>0 distance      |
|      |              |                        | Ramchandrapur     | Ramchandra Pur flood shelter & H.S. | Ramchandrapur      | 5000 | Ramchandrapur      | In the same village                    |
|      |              | 8 No. Gurail           | Katroil           | Katroil F.P.S.                      | Katroil            | 300  | Katroil            | In the same village<br>0 distance      |
|      |              |                        | Khatul            | Vior H.S                            | Khatul             |      | Khatul             | Khatul to Vior HS                      |
|      |              |                        | Shyampur          | Shyampur F.P.S.                     | Shyampur           | 250  | Shyampur           | In the same village<br>0 distance      |
|      |              |                        | Nabab nagar       | Nababnagar F.P.S. & SSK             | Nabab nagar        | 400  | Nabab nagar        | In the same village<br>0 distance      |
|      |              |                        | Lakshminarayanpur | Lakshmi narayanpur                  | Lakshmi narayanpur | 300  | Lakshmi narayanpur | In the same village<br>0 distance      |
|      |              |                        | Basakbari         | Vior H.S.                           | Basakbari          | 4000 | Basakbari          | Basakbari to Vior H.S.-1/2 k.m.        |
|      |              |                        | Chhatrahati       | Vior SSK & F.P.S.                   | Chhatrahati        | 350  | Chhatrahati        | In the same village<br>0 distance      |
|      |              |                        | Gurail            |                                     | Gurail             | 350  | Gurail             | Gurail to Vior SSK                     |
|      |              |                        | Ghatika           | Ghatika MSK                         | Ghatika            | 100  | Ghatika            | In the same village<br>0 distance      |
|      |              |                        | Beruil            | Beruil F.P.S                        | Beruil             |      | Beruil             | In the same village<br>0 distance      |
|      |              |                        | Bakharpur         | Bakharpur H.S.                      | Bakharpur          | 4000 | Bakharpur          | In the same village<br>0 distance      |
|      |              |                        | Basuria           | Basuria F.P.School                  | Basuria            | 300  | Basuria            | In the same village<br>0 distance      |
|      |              |                        | Sishrail          | Sishrail SSK                        | Sishrail           | 100  | Sishrail           | In the same village<br>0 distance      |
|      |              |                        | Soair             | Soair F.P.S                         | Soair              | 400  | Soair              | In the same village                    |
|      |              |                        |                   | Jobsa F.P.S                         | Jobsa              | 250  | Jobsa              | In the same village<br>0 distance      |
| APAN | <u>Tapan</u> | 9. Autina              | Khalsi            | Khalsi F.P.S.                       | Khalsi             | 250  | Khalsi             | In the same village<br>0 distance      |
|      |              |                        | Kamdebbati        | Kamdebbati F.P.S.                   | Kamdebbati         | 250  | Kamdebbati         | In the same village<br>0 distance      |
|      |              |                        | Nimgachhi         | Nimgachhi F.P.S. & SSK              | Nimgachhi          | 350  | Nimgachhi          | In the same village<br>0 distance      |
|      |              |                        | Saldanga          | Saldanga SSK                        | Saldanga           | 100  | Saldanga           | In the same village<br>0 distance      |
|      |              |                        | Atila             | Tilon H.S.                          | Atila              | 4000 | Atila              | Atila to Tilon HS                      |
|      |              |                        | Bishnupur         | Bishnupur F.P.S.                    | Bishnupur          | 300  | Bishnupur          | In the same village<br>0 distance      |
|      |              |                        | Erenda            | Erenda F.P.S                        | Erenda             | 300  | Erenda             | In the same village<br>0 distance      |
|      |              |                        | Gorenda           | Lasrarhat H.S.                      | Gorenda            | 3000 | Gorenda            | Gorenda to Laskar flood shelter-1 k.m. |
|      |              |                        | Kakna             | Kakna F.P.S. & Jr. H.S.             | Kakna              | 3250 | Kakna              | In the same village<br>0 distance      |
|      |              |                        | Nimpur            | Nimpur F.P.S.                       | Nimpur             | 300  | Nimpur             | In the same village<br>0 distance      |
|      |              |                        | Ahera             | Laskarhat H.S                       | Ahera              | 300  | Ahera              | Ahera to Laskarhat-1 k.m.              |
|      |              | 10                     | D.Jajiyar         | D.Jajiar F.P.S,                     | D.Jajiyar          | 250  | D.Jajiyar          | In the same village<br>0 distance      |



|      |       |              |                  |  |                  |      |                  |                                  |
|------|-------|--------------|------------------|--|------------------|------|------------------|----------------------------------|
| APAN | Tapan | Malancha     | Haribanshipur    | F.P.S.,Hariban Shipur                        | Haribanshipur    | 300  | Haribanshipur    | In the same village 0 distance   |
|      |       |              | Sreebai          | F.P.S, Sreebai                               | Sreebai          | 250  | Sreebai          | In the same village 0 distance   |
|      |       |              | Tarajpur         | F.P.S.& SSK Tarajpur                         | Tarajpur         | 300  | Tarajpur         | In the same village 0 distance   |
|      |       |              | Varila           | Varila Training Centre,F.P.S.& Varila Jr.H.S | Varila           | 4800 | Varila           | In the same village 0 distance   |
|      |       |              | Jadubati         | Chantakuri F.P.S.                            | Chamtakuri       | 300  | Jadubati         | Jadubati to Chamtakuri FPS       |
|      |       |              | Nighati          | F.P.S,Nighati                                | Nighati          | 300  | Nighati          | In the same village 0 distance   |
|      |       |              | Madanpur         | F.P.S, MadanPur                              | Madanpur         | 300  | Madanpur         | In the same village 0 distance   |
| APAN | Tapan | 11 Gofanagar | Sathihar         | F.P.S. & SSK Sathihar                        | Sathihar         | 400  | Sathihar         | In the same village 0 distance   |
|      |       |              | Chaksathihar     | SSK Chaksathihar                             | Chaksathihar     | 100  | Chaksathihar     | In the same village 0 distance   |
|      |       |              | Chhanibasudebpur | Banial H.S.                                  | Chhanibasudebpur |      | Chhanibasudebpur | Banial H.S. to Chhani basudebpur |
|      |       |              | Gofanagar        | Gofanagar F.P.S.                             | Gofanagar        | 200  | Gofanagar        | In the same village 0 distance   |
|      |       |              | Sulpanipur       | F.P.S,SulpaniPur                             | Sulpanipur       | 250  | Sulpanipur       | In the same village 0 distance   |
|      |       |              | Kharaidanga      | SSK Kharai Danga                             | Kharaidanga      | 100  | Kharaidanga      | In the same village 0 distance   |
|      |       |              | Kashmulia        | F.P.S,Khasmu Lia                             | Kashmulia        | 200  | Kashmulia        | In the same village 0 distance   |
|      |       |              | Chakbalaram      | Banial F.P.S. & Banial H.S.                  | Banial           | 4200 | Chakbalaram      | Chakbalaram to Banial FPS & HS   |
|      |       |              | Hashnagar        | F.P.S,Hashna Gar                             | Hashnagar        | 200  | Hashnagar        | In the same village 0 distance   |
|      |       |              | Pothai           | SSk,Pothai                                   | Pothai           | 100  | Pothai           | In the same village 0 distance   |
|      |       |              | Gobindapur       | F.P.S,Gobinda Pur                            | Gobindapur       | 200  | Gobindapur       | In the same village 0 distance   |
|      |       |              | Hasaipur         | SSK,Hasaipur                                 | Hasaipur         | 100  | Hasaipur         | In the same village 0 distance   |
|      |       |              | Muradpur         | SSk Muradpur                                 | Muradpur         | 100  | Muradpur         | In the same village 0 distance   |

### Multi Hazard Disaster Management Plan for the year 2020 Along with flood contingency plan

Block Map : Enclosed.

#### Introduction

Multi Hazard Disaster Management Plan for the year 2018 under Tapan Development Block

Name of the Block Disaster Management Committee

| Sl.No. | Name   | Designation | Address                         | Contact Number |           |                           |
|--------|--|-------------|---------------------------------|----------------|-----------|---------------------------|
|        |  |             |                                 | Office         | Residence | Mobile                    |
| 1.     | Sri. Raju Das (Savapati, Tapan Panchayet Samiti)         | Chairperson | Tapan Panchayat Samity          | 03521-252262   |           | 9800323817                |
| 2.     | Sri Tsogel Moktan Tamang B.D.O., Tapan Development Block | Secretary   | Tapan Block Development Office. | 03521-252213   |           | 9434077107/<br>8373069031 |
| 4.     | Sri Satyadwip Singha Roy, (A.D.A                         | Member      | Tapan Agriculture Development   | 03521-252943   |           | 8250088223                |
| 5.     | Sri Debesh Nath, B.M.O.H, Tapan BPHC.                    | Member      | Tapan BPHC                      | 03521-252083   |           | 9434328248                |
| 6.     | Sri Satkar   | Member      | Tapan Police Station            | 03521-252229   |           | 9593444062                |

|          |   |        |   |              |  |            |
|----------|---|--------|---|--------------|--|------------|
|          | Syongbo,O/C,<br>Tapan P.S.                                      |        |   |              |  |            |
| 7.       | Smt Bilkish Sarkar<br>Karmadhyaksha,<br>Tran S/Samity,<br>Tapan | Member | Tapan Panchayat<br>Samity                                       | 03521-252262 |  | 9733453487 |
| 8.(i)    | Sri Ansar Ali,<br>Prodhan                                       | Member | Rampara Chenchra<br>G.P.  |              |  | 9679031188 |
| 8.(ii)   | Sri Nripen<br>Murmu, Prodhan                                    | Member | Ajmatpur G.P.   |              |  | 9593768821 |
| 8.(iii)  | Rabbina Bibi, Prodhan   | Member | Hazratpur G.P.  |              |  | 9564955331 |
| 8.(iv)   | Sri Rabi Kujur,<br>Prodhan                                      | Member | Harsura G.P.  |              |  | 9002932129 |
| 8.(v)    | Smt. Rumi Barman,<br>Prodhan                                    | Member | Dwipkhanda G.P.   |              |  | 8768083196 |
| 8.(vi)   | Smt. Basanti Barman,<br>Prodhan                                 | Member | Tapan Chandipur<br>G.P.   | 03521-252204 |  | 9609477342 |
| 8.(vii)  | Sri Shephali Roy,<br>Prodhan                                    | Member | Ramchandrapur G.P.  | 03521-253276 |  | 8695764465 |
| 8.(viii) | Farida Khatun Bibi,<br>Prodhan                                  | Member | Gurail G.P.   |              |  | 9735976050 |
| 8.(ix)   | Paramananda Biswas,<br>Prodhan                                  | Member | Autina G.P.   |              |  | 8906642220 |
| 8.(x)    | Krishna Barman,<br>Prodhan                                      | Member | Malancha G.P.   |              |  | 9733450970 |
| 8.(xi)   | Sri Suresh Ch.<br>Barman, Prodhan                               | Member | Gofanagar G.P.  |              |  | 9932041013 |
| 9. (a)   | Sri Bachchu Hansda,<br>MLA-40-Tapan (ST)<br>AC                  | Member | Karai Chenchra, PO-<br>Chenchra, PS-Tapan,<br>Dist. D/Dinajpur. |              |  | 9733106451 |
| 9.(b)    | Sri Goutam Das, 41-<br>Gangarampur(SC)A.C.                      | Member | RamparaChenchra,<br>PO-Magurpur,<br>Tappan,D. Dinajpur.         |              |  | 9734041925 |
| 10.(a)   | All Block Level<br>Officer of Line Deptt.                       | Member | Tapan,BL&LRO<br>Office  |              |  |            |
| 10.(b)   | Sri Debasish Ghosh,<br>BLDO                                     | Member | Tapan BLDO Office   |              |  | 9434542348 |
| 10.(c)   | Sri Sayan Mandal<br>CDPO  | Member | Tapan ICDS Office   |              |  | 8902789343 |
| 10.(d)   |   | Member | Tapan Forest Range<br>Office                                    |              |  |            |
| 10.(e)   | Sri Bijay Ashis<br>Ghatak, Tapan Sadar<br>Circle                | Member | Tapan SI Office   |              |  | 8670937536 |

### **Plan to combat storm**

All the villages under Tapan Development Block is vulnerable to storm. There are 279 nos. villages under 11 nos. of G.P.s having 248595 nos. population of this block. The most vulnerable villages are identified and particulars are given below.

| Sl.No. | Name of most vulnerable villages | Name of G.P.     | Population | Nearest Rescue Centre with contact no. | Distance from village to R/Centre | Name of nearest Hospital with contact no. | Distance from the village to Hospital |
|--------|----------------------------------|------------------|------------|--|-----------------------------------|---|---------------------------------------|
| 1.     | Baptail                          | Rampara Chenchra | 1590       | Baptail F.P.School, C.No.              | 0 KM                              | Rampara Chenchra PHC, C.No. 9434968775    | 3 KM                                  |
| 2.     | Muktarampur                      |                  | 2401       | Muktarampur F.P.School, C.No.          | 0 KM                              |   | 2 KM                                  |
| 3.     | Chandrail                        |                  | 1146       | Chandrail F.P.School, C.No.            | 0 KM                              |   | 2.5 KM                                |
| 4.     | Nimtair                          |                  | 224        | Magurpur RCA High School, C.No.        | 1 KM                              |   | 3.5 KM                                |
| 5.     | Sutail                           |                  | 1335       | Sutail F.P. School, C.No.              | 0 KM                              |   | 4 KM                                  |
| 6.     | Mandapara                        |                  | 3526       | Mandapara SSK                          | 0 KM                              |   | 4 KM                                  |

|     |                         |                    |      |   |      |                                       |        |
|-----|-------------------------|--------------------|------|---|------|---------------------------------------|--------|
|     |                         |                    |      | with F.P. School,<br>C.No.                      |      |                                       |        |
| 7.  | Naogaon                 |                    | 4907 | Naogaon F.P.<br>School, C. No.                  | 0 KM |                                       | 4.5 KM |
| 8.  | Basuriya                | Ajmatpur           | 3348 | Basuriya SSK with<br>F.P.School, C.No           | 0 KM | Monoholi<br>PHC, C.No.<br>9434220285  | 1.5 KM |
| 9.  | Gopinathpur             |                    | 668  | Gopinathpur<br>SSK, C.No                        | 0 KM |                                       | 2 KM   |
| 10. | Akhanagar               |                    | 886  | Akhanagar F.P<br>.School, C.No                  | 0 KM |                                       | 1 KM   |
| 11. | Saralbati               |                    | 449  | BazrapukurFlood<br>Shelter, C.No                | 1 KM |                                       | 4 KM   |
| 12. | Chakhossen              |                    | 259  | Bazrapukur<br>Flood Shelter,<br>C.No            | 1 KM |                                       | 3 KM   |
| 13. | Chakbahera              |                    | 129  | Bazrapukur<br>Flood Shelter,<br>C.No            | 2 KM |                                       | 2 KM   |
| 14. | Kadoya<br>jagadishbati  | Hazratpur          | 1185 | Kadoya<br>Jagadishbati<br>F.P.School, C.No      | 0 KM | Tapan BPHC,<br>C No. 03521-<br>252083 | 3 KM   |
| 15. | Chakbaliram             |                    | 1664 | Chakbaliram Jr.<br>Basic School,<br>C.No        | 0 KM |                                       | 2.5 KM |
| 16. | Salsoma                 |                    | 2122 | Chakbaliram Jr.<br>Basic School,<br>C.No        | 1 KM |                                       | 3 KM   |
| 17. | Parbatipur              | Harsura            | 835  | Parbatipur<br>F.P.School,<br>C.No.              | 0 KM | Tapan BPHC,<br>C No. 03521-<br>252083 | 9 KM   |
| 18. | Srirampur               |                    | 784  | Rampur High<br>School, C.No.                    | 1 KM |                                       | 8 KM   |
| 19. | Dhulchandriya           |                    | 541  | Rampur SSK,<br>C.No.                            | 2 KM |                                       | 8.5 KM |
| 20. | Jamalgachhi             | Dwipkhanda         | 383  | Jamalgachhi<br>F.P.School,<br>C.No.             | 0 KM | Tapan BPHC,<br>C No. 03521-<br>252083 | 6.5 KM |
| 21. | Telighata<br>Bhabanipur |                    | 770  | Telighata<br>Bhabanipur<br>F.P.School,<br>C.No. | 0 KM |                                       | 9 KM   |
| 22. | Fatepur                 |                    | 1232 | Fatepur<br>F.P.School,<br>C.No.                 | 0 KM |                                       | 7 KM   |
| 23. | Halidana                | Tapan<br>Chandipur | 888  | Halidana<br>H.S.School,<br>C.No.                | 0 KM | Tapan BPHC,<br>C No. 03521-<br>252083 | 5 KM   |
| 24. | Moha                    |                    | 420  | Moha F.P.<br>School, C.No.                      | 0 KM |                                       | 6 KM   |
| 25. | Jamalpur                |                    | 1157 | Jamalpur<br>F.P.School,<br>C.No.                | 0 KM |                                       | 6 KM   |
| 26. | Sukdevpur               | Ramchandra-<br>pur | 3562 | Sukdevpur<br>F.P.School,<br>C.No.               | 0 KM | Tapan BPHC,<br>C No. 03521-<br>252083 | 7 KM   |
| 27. | Sikarpur                |                    | 358  | Shikarpur<br>F.P.School,<br>C.No.               | 0 KM |                                       | 7 KM   |
| 28. | Najirpur                |                    | 823  | Nazirpur<br>F.P.School,<br>C.No.                | 0 KM |                                       | 6.5 KM |
| 29. | Laxmi-<br>narayanpur    | Gurail             | 1595 | Laxmi-<br>narayanpur<br>F.P.School,<br>C.No.    | 0 KM | Tapan BPHC,<br>C No. 03521-<br>252083 | 10 KM  |
| 30. | Chhatrahati             |                    | 807  | Chhatrahati SSK<br>& F.P.School,<br>C.No.       | 0 KM |                                       | 7 KM   |
| 31. | Soair                   |                    | 821  | Soair F.P.School,<br>C.No.                      | 0 KM |                                       | 6 KM   |

|     |               |           |      |                                 |      |                               |        |
|-----|---------------|-----------|------|---------------------------------|------|-------------------------------|--------|
| 32. | Erenda        | Autina    | 777  | Erenda F.P.School, C.No.        | 0 KM | Balapur PHC, C.No. 9434790117 | 9 KM   |
| 33. | Kakna         |           | 1090 | Kakna F.P.School, C.No.         | 0 KM |                               | 7 KM   |
| 34. | Ahera         |           | 317  | Ahera F.P.School, C.No.         | 0 KM |                               | 8.5 KM |
| 35. | D. Jajiyar    | Malancha  | 363  | Jajiyar F.P.School, C.No.       | 0 KM | Balapur PHC, C.No. 9434790117 | 5 KM   |
| 36. | Haribanshipur |           | 900  | Haribanshipur F.P.School, C.No. | 0 KM |                               | 6 KM   |
| 37. | Sreebai       |           | 691  | Sreebai F.P.School, C.No.       | 0 KM |                               | 5 KM   |
| 38. | Kashmulai     | Gofanagar | 685  | Kashmulai F.P.School, C.No.     | 0 KM | Balapur PHC, C.No. 9434790117 | 6 KM   |
| 39. | Chakbalaram   |           | 1183 | Chakbalaram F.P.School, C.No.   | 0 KM |                               | 7 KM   |
| 40. | Sulpanipur    |           | 156  | Sulpanipur F.P.School, C.No.    | 0 KM |                               | 6 KM   |

### **Plan to combat Earthquake**

All the villages under Tapan Development Block is vulnerable to earthquake. There are 279 nos. villages under 11 nos. G.P.s having 248595 nos. population of this block. The most vulnerable villages are identified and particulars are given below.

| Sl.No. | Name of most vulnerable villages | Name of G.P.     | Population | Nearest Rescue Centre with <u>contact no.</u> | Distance from village to Rescue Centre | Name of nearest Hospital with <u>contact no.</u> | Distance from the village to Hospital |
|--------|----------------------------------|------------------|------------|---|--|--|---------------------------------------|
| 1      | Magurpur                         | Rampara Chenchra | 1767       | RCA Magurpur High School                      | 0 KM                                   | Rampara Chenchra PHC, C.No. 9434968775           | 4 KM                                  |
| 2      | Mukta-rampur                     |                  | 2401       | Muktarampur F.P.School                        | 0 KM                                   |  | 5 KM                                  |
| 3      | Rampara Chenchra                 |                  | 1376       | Rampara Chenchra F.P.School                   | 0 KM                                   |  | 1 KM                                  |
| 4      | Mandapara                        |                  | 3526       | Mandapara F.P. School                         | 0 KM                                   |  | 4 KM                                  |
| 5      | Basuriya                         | Ajmatpur         | 3348       | Basuriya F.P. School                          | 0 KM                                   | Monoholi PHC, C.No. 9434220285                   | 2 KM                                  |
| 6      | Bazrapukur                       |                  | 8537       | Bazrapukur F.P.School, Flood Shelter          | 0 KM                                   |  | 4 KM                                  |
| 7      | Anatoir                          |                  | 740        | Anatoir F.P. School                           | 0 KM                                   |  | 5 KM                                  |
| 8      | Deogaon                          |                  | 1338       | Deogaon F.P.School                            | 0 KM                                   |  | 4 KM                                  |
| 9      | Kadma                            | Hazratpur        | 2522       | Kadma F.P.School                              | 0 KM                                   | Tapan BPHC, C No. 03521-252083                   | 5 KM                                  |
| 10     | Salash                           |                  | 4124       | Salash Fish Seed Firm & F.P.School            | 0 KM                                   |  | 1 KM                                  |

|     |                  |                 |      |                              |      |                                |       |
|-----|------------------|-----------------|------|------------------------------|------|--------------------------------|-------|
| 11  | Chakbaliram      |                 | 1664 | Chakbaliram Jr. Basic School | 0 KM |                                | 4 KM  |
| 12  | Khiratta         |                 | 1387 | Khiratta F.P.School          | 0 KM |                                | 3 KM  |
| 13  | Baghoit          |                 | 841  | Baghoit F.P.School           | 0 KM |                                | 2 KM  |
| 14  | Minapara         | Harsura         | 686  | Minapara F.P.School          | 0 KM | Tapan BPHC, C No. 03521-252083 | 10 KM |
| 15  | Uttar Mahadevpur |                 | 1051 | Uttar Mahadevpur F.P.School  | 0 KM |                                | 11 KM |
| 16  | Rampur           |                 | 1526 | Rampur High School           | 0 KM |                                | 13 KM |
| 17  | Malahar          |                 | 1300 | Malahar F.P.School           | 0 KM |                                | 10 KM |
| 18  | Harsura          |                 | 2240 | Rampur High School           | 1 KM |                                | 11 KM |
| 19  | Durgapur         | Dwipkhanda      | 714  | Durgapur F.P.School          | 0 KM | Tapan BPHC, C No. 03521-252083 | 7 KM  |
| 20  | Majhikhanda      |                 | 692  | Majhikhanda F.P. School      | 0 KM |                                | 6 KM  |
| 21  | Dwipkhanda       |                 | 1432 | Dwipkhanda F.P. School       | 0 KM |                                | 4 KM  |
| 22  | Jaminishchinta   |                 | 2248 | Daralhat High School         | 1 KM |                                | 8 KM  |
| 23  | Bajitpur         | Tapan Chandipur | 981  | Tapan High School            | 2 KM | Tapan BPHC, C No. 03521-252083 | 3 KM  |
| 24  | Tapan            |                 | 2796 | Tapan High School            | 0 KM |                                | 2 KM  |
| 25  | Kasba            |                 | 2065 | Tapan High School            | 1 KM |                                | 2 KM  |
| 26  | Halidana         |                 | 888  | Halidana High School         | 0 KM |                                | 5 KM  |
| 27  | Kazibhag         |                 | 1521 | Kazibhag F.P.School          | 0 KM |                                | 0 KM  |
| 28  | Kardaha          | Ramchandra-pur  | 3570 | Kardaha High School          | 0 KM | Tapan BPHC, C No. 03521-252083 | 10 KM |
| 29  | Mahindar         |                 | 842  | Mahindar F.P. School         | 0 KM |                                | 11 KM |
| 30  | Ramchandra-pur   |                 | 4540 | Ramchandrapur Flood Shelter  | 0 KM |                                | 8 KM  |
| 31  | Bhikahar         |                 | 3072 | Bhikahar Hatkhola            | 0 KM |                                | 12 KM |
| 32  | Bhair            | Gurail          | 3719 | Bhair Jalaliya High School   | 0 KM | Tapan BPHC, C No. 03521-252083 | 13 KM |
| 33  | Bhadrail         |                 | 1048 | Bhadrail F.P.School          | 0 KM |                                | 15 KM |
| 34  | Gurail           |                 | 1904 | Gurail F.P.School            | 0 KM |                                | 14 KM |
| 35  | Bakharpur        |                 | 784  | Bakharpur H.S.School         | 0 KM |                                | 20 KM |
| 36  | Bishnupur        | Autina          | 2426 | Bishnupur F.P.School         | 0 KM | Balapur PHC, C.No. 9434790117  | 6 KM  |
| 37. | Paschim Nimpur   |                 | 454  | Paschim Nimpur F.P. School   | 0 KM |                                | 4 KM  |
| 38. | Kakna            |                 | 1090 | Kakna F.P.School             | 0 KM |                                | 8 KM  |
| 39. | Khalshi          |                 | 1842 | Khalshi F.P.School           | 0 KM |                                | 7 KM  |
| 40. | Arjunpur         |                 | 850  | Arjunpur F.P. School         | 0 KM |                                | 6 KM  |
| 41. | Patkola          | Malancha        | 2187 | Patkola F.P.School           | 0 KM | Balapur PHC, C.No. 9434790117  | 3 KM  |
| 42  | Balapur          |                 | 1427 | Balapur F.P.School           | 0 KM |                                | 0 KM  |
| 43  | Purba Nimpur     |                 | 1076 | Purba Nimpur F.P.School      | 0 KM |                                | 1 KM  |
| 44  | Bharila          |                 | 494  | Bharila F.P.School           | 0 KM |                                | 2 KM  |
| 45  | Sankoir          | Gofanagar       | 945  | Sankoir High School          | 0 KM | Balapur PHC, C.No. 9434790117  | 5 KM  |
| 46  | Gobindapur       |                 | 403  | Gobindapur F.P.School        | 0 KM |                                | 7 KM  |
| 47  | Gofanagar        |                 | 651  | Gofanagar F.P.School         | 0 KM |                                | 8 KM  |

### Plan to combat Fire Accident

All the villages under Tapan Development Block is vulnerable to Fire Accident. There are 279 nos. villages under 11 nos G.P.s having 248595 nos. population of this block. The most vulnerable villages are identified and particulars are given below.

| Sl.No. | Name of most | Name of G.P. | Population | Nearest Fire | Distance | Name of | Distance |
|--------|--------------|--------------|------------|--------------|----------|---------|----------|
|--------|--------------|--------------|------------|--------------|----------|---------|----------|

|     | vulnerable villages  |                  |      | Station with <u>contact no.</u> | from village to Fire Centre | nearest Hospital with <u>contact no.</u> | from the village to Hospital |
|-----|----------------------|------------------|------|---------------------------------|-----------------------------|--|------------------------------|
| 1   | Sinhari              | Rampara Chenchra | 573  | Ganga-rampur, C.No.             | 12 KM                       | Rampara Chenchra PHC, C.No. 9434968775   | 3 KM                         |
| 2   | Mollazi              |                  | 540  |                                 | 11 KM                       |  | 4 KM                         |
| 3   | Khosalpur            |                  | 1177 |                                 | 14 KM                       |  | 5 KM                         |
| 4   | Ganahar              |                  | 1609 |                                 | 10 KM                       |  | 6 KM                         |
| 5   | Naogaon              |                  | 4907 |                                 | 16 KM                       |  | 5 KM                         |
| 6   | Chak-hossen          | Ajmatpur         | 259  | Ganga-rampur, C.No.             | 9 KM                        | Monoholi PHC, C.No. 9434220285           | 4 KM                         |
| 7   | Karanjara            |                  | 522  |                                 | 7 KM                        |  | 3 KM                         |
| 8   | Paboil               |                  | 363  |                                 | 8 KM                        |  | 2 KM                         |
| 9   | Anta-shimul          |                  | 1370 |                                 | 6 KM                        |  | 5 KM                         |
| 10  | Deogaon              |                  | 1338 |                                 | 10 KM                       |  | 4 KM                         |
| 11  | Salsama              | Hazratpur        | 2122 | Ganga-rampur, C.No.             | 5 KM                        | Tapan BPHC, C No. 03521-252083           | 4 KM                         |
| 12  | Faradpur             |                  | 172  |                                 | 6 KM                        |  | 5 KM                         |
| 13  | Jaminipara           |                  | 370  |                                 | 7 KM                        |  | 6 KM                         |
| 14  | Kadoya Jagadishbati  |                  | 1185 |                                 | 7 KM                        |  | 7 KM                         |
| 15  | Nischinta            | Harsura          | 699  | Ganga-rampur, C.No.             | 10 KM                       | Tapan BPHC, C No. 03521-252083           | 8 KM                         |
| 16  | Srirampur            |                  | 784  |                                 | 12 KM                       |  | 9 KM                         |
| 17  | Jabraham             |                  | 249  |                                 | 11 KM                       |  | 7 KM                         |
| 18  | Sirahal              |                  | 849  |                                 | 11 KM                       |  | 7 KM                         |
| 19  | Mahanaj              |                  | 748  |                                 | 8 KM                        |  | 8 KM                         |
| 20  | Zaziar               | Dwipkhanda       | 823  | Ganga-rampur, C.No.             | 15 KM                       | Tapan BPHC, C No. 03521-252083           | 8 KM                         |
| 21  | Khodmalsa            |                  | 230  |                                 | 14 KM                       |  | 6 KM                         |
| 22  | Panjara              |                  | 459  |                                 | 16 KM                       |  | 7 KM                         |
| 23  | Chak-maniram         |                  | 41   |                                 | 12 KM                       |  | 6 KM                         |
| 24  | Chhiraikuri          |                  | 526  |                                 | 13 KM                       |  | 7 KM                         |
| 25  | Dinagar              | Tapan Chandipur  | 771  | Ganga-rampur, C.No.             | 13 KM                       | Tapan BPHC, C No. 03521-252083           | 5 KM                         |
| 26  | Moha                 |                  | 420  |                                 | 12 KM                       |  | 4 KM                         |
| 27  | Sehas                |                  | 231  |                                 | 11 KM                       |  | 5 KM                         |
| 28  | Jamlabad             |                  | 1628 |                                 | 15 KM                       |  | 4 KM                         |
| 29  | Sikarpur             | Ramchandra-pur   | 358  | Ganga-rampur, C.No.             | 20 KM                       | Tapan BPHC, C No. 03521-252083           | 10 KM                        |
| 30  | Nazirpur             |                  | 823  |                                 | 17 KM                       |  | 11 KM                        |
| 31  | Chandipur            |                  | 702  |                                 | 18 KM                       |  | 9 KM                         |
| 32  | Ganguria             |                  | 631  |                                 | 16 KM                       |  | 12 KM                        |
| 33  | Hazrabari            |                  | 654  |                                 | 20 KM                       |  | 11 KM                        |
| 34  | Aichanda             | Gurail           | 719  | Ganga-rampur, C.No.             | 24 KM                       | Tapan BPHC, C No. 03521-252083           | 15 KM                        |
| 35  | Beruli               |                  | 434  |                                 | 25 KM                       |  | 20 KM                        |
| 36  | Basakbari            |                  | 615  |                                 | 26 KM                       |  | 19 KM                        |
| 37. | Jobsa                |                  | 416  |                                 | 21 KM                       |  | 21 KM                        |
| 38. | Katrail              |                  | 1119 |                                 | 22 KM                       |  | 17 KM                        |
| 39. | Erenda               | Autina           | 777  | Balurghat, C.No.                | 25 KM                       | Balapur PHC, C.No. 9434790117            | 10 KM                        |
| 40. | Gorenda              |                  | 165  |                                 | 26 KM                       |  | 9 KM                         |
| 41. | Kaikuri              |                  | 301  |                                 | 21 KM                       |  | 8 KM                         |
| 42  | Chakjalal            |                  | 566  |                                 | 22 KM                       |  | 9 KM                         |
| 43  | Sankarbati           |                  | 740  |                                 | 24 KM                       |  | 8 KM                         |
| 44  | Naighati             | Malancha         | 320  | Balurghat, C.No                 | 15 KM                       | Balapur PHC, C.No. 9434790117            | 4 KM                         |
| 45  | Dhundipara           |                  | 304  |                                 | 16 KM                       |  | 3 KM                         |
| 46  | Kasitara             |                  | 181  |                                 | 14 KM                       |  | 3 KM                         |
| 47  | Sandhya-pukur        |                  | 483  |                                 | 17 KM                       |  | 5 KM                         |
| 48. | Sribai               |                  | 691  |                                 | 18 KM                       |  | 6 KM                         |
| 49. | Alinagar             | Gofanagar        | 200  | Balurghat, C.No                 | 15 KM                       | Balapur PHC, C.No. 9434790117            | 5 KM                         |
| 50. | Chhayani Basudevvpur |                  | 349  |                                 | 12 KM                       |  | 9 KM                         |

|     |           |  |     |  |       |  |      |
|-----|-----------|--|-----|--|-------|--|------|
| 51. | Walipara  |  | 430 |  | 14 KM |  | 5 KM |
| 52. | Parbatpur |  | 352 |  | 12 KM |  | 4 KM |
| 53. | Gyanbai   |  | 112 |  | 13 KM |  | 5 KM |

### Plan to combat Rail Accident

Broad Gauge Railway passes through 3 nos. villages under Harsura G.P. of this block. The length of the Railway is 5 Km and the vulnerable villages are identified. Particulars are given below.

| Sl.No. | Name of most vulnerable villages | Name of G.P. | Population | Total length of Railway | Name of crossing without Gate-man | Name of nearest Hospital with <u>contact no.</u> | Distance from the village to Hospital |
|--------|----------------------------------|--------------|------------|-------------------------|-----------------------------------|--|---------------------------------------|
| 1.     | Rampur                           | Harsura      | 1526       | 2 KM                    | -                                 | Tapan BPHC, C No. 03521-252083                   | 13 KM                                 |
| 2.     | Nish-chinta                      |              | 699        | 1 KM                    | -                                 |  | 8 KM                                  |
| 3.     | Mahanaj                          |              | 748        | 2 KM                    | Mahanaj                           |  | 8 KM                                  |

### Plan to Road Accident

NH-Nil k.m, State High Road 36 k.m. and other pucca road 116 k.m. (Where vehicle is plying) under Tapan Development Block is vulnerable to Road Accident. There are 38 nos. villages under 11 nos G.P.s having 126542 nos. population of this block. The most vulnerable villages are identified and particulars are given below.

| Sl.No. | Name of most vulnerable villages | Name of G.P.     | Name of Road                     | Total length of NH/SHR /OPR | Constructed by | Name of nearest Hospital with <u>contact no.</u> | Distance from the village to Hospital |
|--------|----------------------------------|------------------|----------------------------------|-----------------------------|----------------|--|---------------------------------------|
| 1.     | Rampara                          | Rampara Chenchra | Ditolhat to Nalagola             | 16 KM OPR                   | PWD            | Rampara Chenchra PHC, C.No. 9434968775           | 1 KM                                  |
| 2.     | Baptail                          |                  |                                  |                             |                |  | 3 KM                                  |
| 3      | Bazrapukur                       | Ajmatpur         | Gangarampur to Tapan             | 12 KM SHR                   | PWD            | Monoholi PHC, C.No. 9434220285                   | 4 KM                                  |
| 4      | Daudpur                          |                  |                                  |                             |                |  | 6 KM                                  |
| 5      | Kadma                            | Hazratpur        | Gangarampur to Tapan             | 4 KM SHR                    | PWD            | Tapan BPHC, C No. 03521-252083                   | 5 KM                                  |
| 6      | Salash                           |                  |                                  |                             |                |  | 1 KM                                  |
| 7      | Khiratta                         |                  | Tapan to Daralhat                | 2 KM OPR                    |                |  | 3 KM                                  |
| 8      | Baghoit                          |                  |                                  |                             |                |  | 2 KM                                  |
| 9      | Rampur                           | Harsura          | Gangarampur to Balurghat         | 6 KM SHR                    | PWD            | Tapan BPHC, C No. 03521-252083                   | 13 KM                                 |
| 10     | Nish-chinta                      |                  |                                  |                             |                |  | 8 KM                                  |
| 11     | Mahanaj                          |                  |                                  |                             |                |  | 8 KM                                  |
| 12     | Jami-nishchinta                  | Dwip-khanda      | Tapan to Balurghat via Daralhat  | 5 KM OPR                    | PWD            | Tapan BPHC, C No. 03521-252083                   | 8 KM                                  |
| 13     | Majhi-khanda                     |                  |                                  |                             |                |  | 6 KM                                  |
| 14     | Tapan                            | Tapan Chandipur  | Tapan to Balurghat via Laskarhat | 10 KM SHR                   | PWD            | Tapan BPHC, C No. 03521-252083                   | 1 KM                                  |
| 15     | Kasba                            |                  |                                  |                             |                |  | 2 KM                                  |
| 16     | Rajapur                          |                  |                                  |                             |                |  | 4 KM                                  |
| 17     | Kajibhag                         |                  |                                  |                             |                |  | 0 KM                                  |
| 18     | Kardaha                          | Ramchandra-pur   | Tapan to Nalagola                | 18 KM SHR                   | PWD            | Tapan BPHC, C No. 03521-252083                   | 10 KM                                 |
| 19     | Bhikahar                         |                  |                                  |                             |                |  | 12 KM                                 |
| 20     | Ramchandra-pur                   |                  |                                  |                             |                |  | 8 KM                                  |
| 21     | Bhaior                           | Gurail           |                                  |                             |                |  | 13 KM                                 |
| 22     | Bishnupur                        | Autina           | Tapan to Balurghat via Laskarhat | 11 KM SHR                   | PWD            | Balapur PHC, C.No. 9434790117                    | 4 KM                                  |
| 23     | Mohisnota                        |                  |                                  |                             |                |  | 3 KM                                  |
| 24     | Paschim Nimpur                   |                  |                                  |                             |                |  | 2 KM                                  |
| 25     | Dakshin Harsura                  | Malancha         |                                  |                             |                |  | 4 KM                                  |
| 26     | Balapur                          |                  |                                  |                             |                |  | 0 KM                                  |
| 27     | Purba Nimpur                     |                  |                                  |                             |                |  | 1 KM                                  |

|    |          |           |                                       |          |     |                                     |      |
|----|----------|-----------|---------------------------------------|----------|-----|-------------------------------------|------|
| 28 | Bharila  |           |                                       |          |     |                                     | 2 KM |
| 29 | Hasnagar | Gofanagar | Tapan to<br>Balurghat via<br>Daralhat | 5 KM OPR | PWD | Balapur PHC,<br>C.No.<br>9434790117 | 8 KM |
| 30 | Sathihar |           |                                       |          |     |                                     | KM   |

### Particulars of embankments

| Sl. No. | Name of embankment | Length of embankments | Constructed & maintained by | Name of G.P. | Vulnerable area |
|---------|--------------------|-----------------------|-----------------------------|--------------|-----------------|
|         |                    |                       |                             |              |                 |

### Plan to combat Drought

| Sl.No. | Population |        | Agriculture land |               | Forest Land | No. of Deep T/Well | No. of R.L.I. Centre | Name of drought prone mouza | Name of G.P.     |
|--------|------------|--------|------------------|---------------|-------------|--------------------|----------------------|-----------------------------|------------------|
|        | Human      | Cattle | Irrigated        | Non-irrigated |             |                    |                      |                             |                  |
| 1.     | 248595     | 98849  | 5515 hec.        | 38938 hec.    | 723.39 Acre | 5                  | 33                   | Mollazi                     | Rampara Chenchra |
|        |            |        |                  |               |             |                    |                      | Jadupur                     |                  |
|        |            |        |                  |               |             |                    |                      | Ganahar                     |                  |
|        |            |        |                  |               |             |                    |                      | Laxmipur                    |                  |
|        |            |        |                  |               |             |                    |                      | Dakhline                    | Ajmatpur         |
|        |            |        |                  |               |             |                    |                      | Akhanagar                   |                  |
|        |            |        |                  |               |             |                    |                      | Karanjara                   |                  |
|        |            |        |                  |               |             |                    |                      | Pabail                      |                  |
|        |            |        |                  |               |             |                    |                      | Umanandapur                 | Hazratpur        |
|        |            |        |                  |               |             |                    |                      | Baghoit                     |                  |
|        |            |        |                  |               |             |                    |                      | Salash                      |                  |
|        |            |        |                  |               |             |                    |                      | Nihinagar                   |                  |
|        |            |        |                  |               |             |                    |                      | Faradpur                    | Harsura          |
|        |            |        |                  |               |             |                    |                      | Chenchra                    |                  |
|        |            |        |                  |               |             |                    |                      | Jaminipara                  |                  |
|        |            |        |                  |               |             |                    |                      | Hossenpur                   |                  |
|        |            |        |                  |               |             |                    |                      | Chak Radhakanta             | Dwipkhanda       |
|        |            |        |                  |               |             |                    |                      | Harsura                     |                  |
|        |            |        |                  |               |             |                    |                      | Gandihar                    |                  |
|        |            |        |                  |               |             |                    |                      | Bandihar                    |                  |
|        |            |        |                  |               |             |                    |                      | Jabrahal                    | Tapan Chandipur  |
|        |            |        |                  |               |             |                    |                      | Dhulchandriya               |                  |
|        |            |        |                  |               |             |                    |                      | Mahanaj                     |                  |
|        |            |        |                  |               |             |                    |                      | Kharpa                      |                  |
|        |            |        |                  |               |             |                    |                      | Darpail                     | Dwipkhanda       |
|        |            |        |                  |               |             |                    |                      | Jajiyar                     |                  |
|        |            |        |                  |               |             |                    |                      | Karanjabari                 |                  |
|        |            |        |                  |               |             |                    |                      | Dwipkhanda                  |                  |
|        |            |        |                  |               |             |                    |                      | Nodhan                      | Tapan Chandipur  |
|        |            |        |                  |               |             |                    |                      | Panjara                     |                  |
|        |            |        |                  |               |             |                    |                      | Chak Prabhuram              |                  |
|        |            |        |                  |               |             |                    |                      | Sakoir                      |                  |
|        |            |        |                  |               |             |                    |                      | Shibrampur                  | Tapan Chandipur  |
|        |            |        |                  |               |             |                    |                      | Kistopur                    |                  |
|        |            |        |                  |               |             |                    |                      | Sarifabad                   |                  |
|        |            |        |                  |               |             |                    |                      | Dakshin Gouripur            |                  |



|  |  |  |  |  |  |  |  |               |             |
|--|--|--|--|--|--|--|--|---------------|-------------|
|  |  |  |  |  |  |  |  | Bataskhanda   |             |
|  |  |  |  |  |  |  |  | Muraripur     |             |
|  |  |  |  |  |  |  |  | Sihur         |             |
|  |  |  |  |  |  |  |  | Halidana      |             |
|  |  |  |  |  |  |  |  | Mamudpur      |             |
|  |  |  |  |  |  |  |  | Jamlabad      |             |
|  |  |  |  |  |  |  |  | Sikarpur      | Ramchandra- |
|  |  |  |  |  |  |  |  | Nazirpur      | pur         |
|  |  |  |  |  |  |  |  | Jamalpur      |             |
|  |  |  |  |  |  |  |  | Mahindar      |             |
|  |  |  |  |  |  |  |  | Ramchandrapur |             |
|  |  |  |  |  |  |  |  | Chandipur     |             |
|  |  |  |  |  |  |  |  | Bhair         | Gurail      |
|  |  |  |  |  |  |  |  | Ghatul        |             |
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|  |  |  |  |  |  |  |  | Nahirkuri     |             |
|  |  |  |  |  |  |  |  | Bakharpur     |             |
|  |  |  |  |  |  |  |  | Baturia       |             |
|  |  |  |  |  |  |  |  | Ghatika       |             |
|  |  |  |  |  |  |  |  | Shalgaon      |             |
|  |  |  |  |  |  |  |  | Shyampur      |             |
|  |  |  |  |  |  |  |  | Bishnupur     | Autina      |
|  |  |  |  |  |  |  |  | Chakbrindaban |             |
|  |  |  |  |  |  |  |  | Ahera         |             |
|  |  |  |  |  |  |  |  | Kartickpur    |             |
|  |  |  |  |  |  |  |  | Kamdevbati    |             |
|  |  |  |  |  |  |  |  | Atila         |             |
|  |  |  |  |  |  |  |  | Mallickpur    |             |
|  |  |  |  |  |  |  |  | Bunail        |             |
|  |  |  |  |  |  |  |  | Nimgachhi     |             |
|  |  |  |  |  |  |  |  | Jasurapara    |             |
|  |  |  |  |  |  |  |  | Chakdarpa-    |             |
|  |  |  |  |  |  |  |  | narayan       |             |
|  |  |  |  |  |  |  |  | Dudhiyakuri   | Malancha    |
|  |  |  |  |  |  |  |  | Dilalpur      |             |
|  |  |  |  |  |  |  |  | Jadubati      |             |
|  |  |  |  |  |  |  |  | Dhundipara    |             |
|  |  |  |  |  |  |  |  | Kashibati     |             |
|  |  |  |  |  |  |  |  | Mahukuri      |             |
|  |  |  |  |  |  |  |  | Kharikadanga  |             |
|  |  |  |  |  |  |  |  | Maildanga     |             |
|  |  |  |  |  |  |  |  | Chancoir      |             |
|  |  |  |  |  |  |  |  | Sribai        |             |
|  |  |  |  |  |  |  |  | Hansnagar     | Gofanagar   |
|  |  |  |  |  |  |  |  | Badsankoir    |             |
|  |  |  |  |  |  |  |  | Muradpur      |             |
|  |  |  |  |  |  |  |  | Chakbalaram   |             |
|  |  |  |  |  |  |  |  | Walipara      |             |

|  |  |  |  |  |  |  |  |             |  |
|--|--|--|--|--|--|--|--|-------------|--|
|  |  |  |  |  |  |  |  | Izanagar    |  |
|  |  |  |  |  |  |  |  | Keshurkuri  |  |
|  |  |  |  |  |  |  |  | Shulpanipur |  |
|  |  |  |  |  |  |  |  | Kashmulai   |  |



# BALURGHAT MUNICIPALITY

**Balurghat : Dakshin Dinajpur**

PH. NO : 03522 – 255450 / 255680 / 256930 / 255649 / 256931 / 255655

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website - [www.balurghatmunicipality.org](http://www.balurghatmunicipality.org)



**BEST INNOVATION IN CITIZEN  
CENTRIC SERVICES DURING 2007-08**

# DISASTER MANAGEMENT ACTION PLAN

2020 – 2021

For

Balurghat municipality

MAP OF BALURGHAT MUNICIPALITY (SHOWING WARD BOUNDARY)

## MAP OF BALURGHAT MUNICIPALITY BY DELIMINATION VIDE

NOT- BALURGHAT MUNICIPALITY

NOTIFICATION NO. 581-SEC/MD-148/2013

SCALE: 1:21120 North Scale (4 inch = 1 mile)

DT 16/04/2013



| NO<br>MARKED | DESCRIPTION  |
|--------------|--|
| 1            | MINORIAL BOUNDARIES  |
| 2            | MOLZA BOUNDARIES   |
| 3            | WARD BOUNDARIES  |
| 4            | MAJOR ROADS, HIGHWAYS, EXPRESSWAY, OTHER MINORIAL ROADS            |
| 5            | CANAL, RIVER, WATER HOSE, WATER TANK                               |
| 6            | RAILWAY LINES (WITH CROSSING AND STATION) (NIL)                    |
| 7            | BRIDGE/CULVERNS (3)  |
| 8            | MAJOR BUS TERMINUS (2)   |
| 9            | HOSPITALS (2)  |
| 10           | NURSING HOMES/DIAGNOSTIC CENTRE (1)                                |
| 11           | PRIMARY HEALTH CENTRE (NIL)  |
| 12           | UNIVERSITIES (NIL)   |
| 13           | COLLEGES (1)   |
| 14           | SCHOOLS (PRIMARY SCHOOL, PRIMARY/HIGH) (1)                         |
| 15           | POST AND TELEGRAPH OFFICES (2)                                     |
| 16           | TELEPHONE EXCHANGE (NIL)   |
| 17           | ELECTRIC SUPPLY OFFICE (NIL)                                       |
| 18           | FIRE STATION (NIL)   |
| 19           | COMPUTER TRAINING AND/OR PROCESSING CENTRE (NIL)                   |
| 20           | CREMATORIUM (2)  |
| 21           | BURIAL GROUND (NIL)  |
| 22           | TEMPLES/CHURCH/MS/D/LE (3)   |
| 23           | IMPORTANT PLACES (NIL)   |
| 24           | PLAYGROUND/STADIUM/RECREATION CENTRE (2)                           |
| 25           | BANK (2)   |
| 26           | MARKET (2)   |
| 27           | SUPERMARKET/BUSINESS CENTRE (NIL)                                  |
| 28           | POND (2)   |
| 29           | POLICE OUT POST (3)  |
| 30           | OVERHEAD WATER RESERVOIR (2)                                       |
| 31           | PUMP HOUSE (NIL)   |
| 32           | CINEMA HALL SUB-CENTRE (2)   |
| 33           | SUB-CENTRE (NIL)   |
| 34           | MINORIAL OFFICE (1)  |
| 35           | MAIN SADAN/PAVILION (NIL)  |
| 36           | PARK/CHILDREN PARGAMENT/TANK (2)                                   |
| 37           | PROPOSED COMMUNITY CENTRE/CUM MARKET COMPLEX (NIL)                 |
| 38           | CLUB/SHED/POOL/CINEMA HALL (2)                                     |
| 39           | CIVIL COURT/MINORIAL COURT (1)                                     |
| 40           | LIBRARY (1)  |
| 41           | PRIN CHAT (NIL)  |
| 42           | DM/DC SJ/SJ/SJ/SJ/SJ OFFICE (5)                                    |
| 43           | WASTE DISPOSAL SITE (NIL)  |
| 44           | JAIL (NIL)   |
| 45           | ABSCORDE (NIL)   |
| 46           | POLICE (NIL)   |
| 47           | INCOME TAX OFFICE (NIL)  |
| 48           | THEATRE HALL/PUBLIC HALL (2)                                       |
| 49           | INSTITUTION (KUMMISSIONERHAT/SEVERAL/CHRISTIAN/MISSIONARIES) (NIL) |
| 50           | PROPOSED DEVELOPMENT AREA (NIL)                                    |



**AP OF BALURGHAT MUNICIPALITY BY DELINEATION VIDE**  
**NOTIFICATION NO. 581-SEC/ED-148/2013**  
**DT 18/04/2013**



#### DEMOGRAPHIC PROFILE :

Balurghat town, the District Head Quarter of Dakshin Dinajpur is situated in the east of ATRAYEE RIVER. One KHARI called DANGA KHARI more or less flows centrally through Balurghat Town and finally falls in the River Atrayee.

The Metropolitan City of Kolkata is about 450 K.M. away from here and Siliguri is about 290 K.M. away in north. The other clusters of Urban Towns are Gangarampur (40 K.M.), Kaliyaganj (81 K.M.), Raiganj (110 K.M.) and Malda (110 K.M.), Balurghat is also surrounded by the Indo-Bangladesh Border 4 K.M. to 9 K.M. from the centre of the town.

Though there is an Aerodrome at Mahinagar, 4 K.M. away from the centre of the town but no service is there. Now, EKLAKHI – BALURGHAT Railway line is functioning which connect Malda. Construction of another Road connecting Malda via Tapan is on Progress.

Balurghat is the most flood prone area in the state. More or less every year this town severely affected by flood.

#### BASIC INFORMATION :

|  |   |   |
|--|---|---|
| Name of the Municipality                 | : | BALURGHAT MUNICIPALITY                    |
| Area                                     | : | 10.56 SQ. K.M.                            |
| Total No. of Ward                        | : | 25 NOS.                                   |
| Total Population                         | : | 1,51,299 (CENSUS 2011)                    |
| Severe flood occurs during last 10 years | : | 1995, 1998, 1999, 2000, 2005, 2017        |
| Name of the River                        | : | ATRAYEE                                   |
| Name of the Khari                        | : | DANGA KHARI                               |
| Fully affected Wards                     | : | 1, 3,10,11,12, 14, 15, 20, 22, 23, 24, 25 |
| Partly affected Wards                    | : | 2,4,5,6,7,8,9,13,16,17,18,19, 21          |

## DEMOGRAPHIC PROFILE

| S.L. No. | Proposed ward no.after delimitation | Population | SC (APP.) | Percentage of SC | ST (APP.) | Percentage of ST | No of voters | Part No | Area in Sq. km (Approx) |
|----------|-------------------------------------|------------|-----------|------------------|-----------|------------------|--------------|---------|-------------------------|
| 1        | 1                                   | 8204       | 861       | 10.49            | 398       | 4.85             | 2863         |         | 0.53                    |
| 2        | 2                                   | 5624       | 891       | 15.84            | 184       | 3.27             | 1600         |         | 0.52                    |
| 3        | 3                                   | 5177       | 469       | 9.06             | 278       | 5.37             | 3091         |         | 0.53                    |
| 4        | 4                                   | 11563      | 1012      | 8.75             | 275       | 2.38             | 4577         |         | 0.96                    |
| 5        | 5                                   | 5393       | 261       | 4.84             | 38        | 0.70             | 2054         |         | 0.43                    |
| 6        | 6                                   | 4489       | 255       | 5.68             | 38        | 0.58             | 2506         |         | 0.44                    |
| 7        | 7                                   | 3985       | 280       | 7.03             | 36        | 0.90             | 1631         |         | 0.23                    |
| 8        | 8                                   | 4493       | 316       | 7.03             | 40        | 0.89             | 1815         |         | 0.25                    |
| 9        | 9                                   | 6882       | 773       | 11.23            | 548       | 7.96             | 3337         |         | 0.52                    |
| 10       | 10                                  | 7109       | 1025      | 14.42            | 91        | 1.28             | 2305         |         | 0.46                    |
| 11       | 11                                  | 7800       | 1300      | 16.67            | 118       | 1.51             | 2787         |         | 0.43                    |
| 12       | 12                                  | 5081       | 353       | 6.95             | 37        | 0.73             | 2141         |         | 0.46                    |
| 13       | 13                                  | 4091       | 1266      | 30.95            | 47        | 1.15             | 3099         |         | 1.04                    |
| 14       | 14                                  | 2958       | 1076      | 36.38            | 121       | 4.09             | 2354         |         | 0.90                    |
| 15       | 15                                  | 3639       | 651       | 17.89            | 16        | 0.44             | 2932         |         | 0.41                    |
| 16       | 16                                  | 8551       | 4420      | 51.69            | 91        | 1.06             | 2665         |         | 0.53                    |
| 17       | 17                                  | 11911      | 1942      | 16.30            | 146       | 1.23             | 4080         |         | 0.90                    |
| 18       | 18                                  | 5716       | 371       | 6.49             | 0         | 0                | 2111         |         | 0.41                    |
| 19       | 19                                  | 5062       | 303       | 5.99             | 27        | 0.53             | 2201         |         | 0.48                    |
| 20       | 20                                  | 6582       | 454       | 6.90             | 87        | 1.32             | 1959         |         | 0.34                    |
| 21       | 21                                  | 8504       | 196       | 2.3              | 29        | 0.34             | 2215         |         | 0.45                    |
| 22       | 22                                  | 4447       | 53        | 1.19             | 0         | 0                | 1840         |         | 0.38                    |
| 23       | 23                                  | 7657       | 205       | 2.68             | 42        | 0.55             | 2387         |         | 0.36                    |
| 24       | 24                                  | 8970       | 409       | 4.56             | 451       | 5.03             | 2967         |         | 0.36                    |
| 25       | 25                                  | 7983       | 2355      | 29.5             | 295       | 3.70             | 3387         |         | 0.47                    |

|  |       |        |       |          |      |      |       |   |       |
|--|-------|--------|-------|----------|------|------|-------|---|-------|
|  | Total | 161871 | 21497 | 13.28033 | 3421 | 2.11 | 64914 | * | 12.91 |
|--|-------|--------|-------|----------|------|------|-------|---|-------|

## COMMUNICATION MANAGEMENT PLAN

### KEY OFFICIALS :

|                            | Name with Designation                      | Contact No.                                       |
|----------------------------|--|---|
| District Level             | District Magistrate                        | 03522-255201/ 255488 (Fax)                        |
|                            | A.D.M. (Gen.)                              | 03522-255248 / 255204 (R)                         |
|                            | A.D.M. (Dev.)                              | 03522-255203/2055506(Z.P.)/255279(Fax)/255589 (R) |
|                            | A.D.M. (L.R.)                              | 03522-255314 / 255494                             |
|                            | O/C. DDM                                   |   |
|                            | DDMO                                       | 9163460173 (M)                                    |
| Sub-Division / Block Level | Sub-Divisional Officer                     | 9433048052 (M)                                    |
|                            | DMDC (2 <sup>nd</sup> Officer)             | 9874051050 (M)                                    |
|                            | SDDMO                                      | 6294993104 (M)                                    |
| Municipality Level         | Administrator                              | 9433048052 (M)                                    |
|                            | Executive Officer                          | 9874051050 (M)                                    |
|                            | Office Superintendent                      | 9800434884 (M)                                    |
|                            | Assistant Engineer                         | 9434181576 (M)                                    |
|                            | Finance Officer                            | 8617007096 (M)                                    |
|                            | Sanitary & Conservancy Section (In-charge) | Sri Kartick Ch. Mali                              |
|                            |  | 9733445727 (M)                                    |
|                            |  | Sri Ashok Mallik                                  |
|                            |  | 8617097104 (M)                                    |
|                            |  | Sri Rana Paul                                     |
|                            |  | 7602302500 (M)                                    |
|                            |  |   |
|                            |  |   |
|                            |  |   |
|                            |  |   |
|                            | Monitoring Officials                       |   |
|                            |  | Ward no   |
|                            |  | Name & Designation of MO                          |
|                            |  | Contact No.                                       |
|                            | Zone– A                                    | 1/2/3/4/5/6/10 & 11                               |
|                            |  | Sri Pradip Choudhury Collecting Sarkar            |
|                            |  | 9547721200  |
|                            | Zone– B                                    | 7/8/9/12/13/14/15/16/17                           |
|                            |  | Sri Dhiman Basak, Oversear Assistant              |
|                            |  | 9434511779  |
|                            | Zone– C                                    | 18/19/20/21/22/23/24/25                           |
|                            |  | Sri Biplab Choudhury, Collecting Sarkar           |
|                            |  | 9475461711  |
|                            | Vehicle Management Official                | Name  |
|                            |  | Designation                                       |
|                            | SRI RANA PAUL                              | Technician (DRW)                                  |
|                            |  | Contact No.                                       |
|                            |  | 7602302500  |

|  |   |                            |                   |             |
|--|---|----------------------------|-------------------|-------------|
|  |   | SRI SUMIT LAHA             | Mechanics (DRW)   | 9647740565  |
|  | Disaster Management Section (In-Charge) | Name                       | Designation       | Contact No. |
|  |   | Sri Pradip Kumar Choudhury | Collecting Sarkar | 9547721200  |
|  |   | Sri Goutam Sarkar          | Collecting Sarkar | 9475993141  |
|  | Staff NUHM (Health)                     | Sri Amitava Chanda         | Lab. Assistant    | 8906890091  |
|  | In-Charge (MDM)                         | Sri Swapan Sarkar          | Collecting Sarkar | 9475441967  |
|  | In-Charge NULM/CDS                      | Sri Sandip Sarkar          | C.M.M.            | 9434963770  |

### IMPORTANT LINE DEPARTMENT OFFICIALS

| Department                             | Designation                     | Contact No.             |
|--|---------------------------------|-------------------------|
| District Disaster Management Officials | DDMO                            | 9163460173 (M)          |
|  | HA                              |                         |
|  | Control Room                    | 03522-255201/255488     |
| P.W.D.                                 | Executive Engineer              | 03522-255839            |
|  | Assistant Engineer (Civil)      | 8250324424              |
|  | Assistant Engineer (Electrical) | 7908508056              |
| WBSEDCL                                | Divisional Engineer             | 7449301532              |
|  | Assistant Engineer (S)          | 7449301560              |
|  | Sub-Assistant Engineer          | 7903231110              |
| Health                                 | C.M.O.H.                        | 09593659560             |
|  | A.C.M.O.H.                      | 9434709967              |
|  | Super, District Hospital        | 03522-255288/255641     |
|  | O/C. Health (DMDC in-charge)    | 9836643657              |
|  | M.O. (Matrisadan)               | 9093370113              |
|  | H.A. (Matrisadan)               | 03522-271568            |
|  |                                 |                         |
| Irrigation & Waterways                 | Executive Engineer              | 8900890628              |
|  | Assistant Engineer              | 9547555167              |
| Police                                 | Inspector-in-Charge             | 03522-255651/9083270107 |
|  | Officer-in-Charge Traffic       | 9748811543              |
|  | Reserve Inspector of Police     | 03522 - 255675          |
| Fire Brigade                           | Divisional Fire Officer         | 9051843588              |
|  | Officer-in-charge (Fire)        | 03522-255613/9474071969 |
| Forest                                 | Forest Range Officer            | 9635206447              |
| ICDS                                   | D.P.O.                          | 9631611322              |
| Food & Supply                          | DCFS                            | 8918769501              |
|  | SDCFS                           | 7076597023              |
| Police                                 | DSP (HQ)                        | 9083270102              |
|  | DSP (Traffic)                   | 9830106147              |
| P.H.E.                                 | Executive Engineer              | 7908144621              |
|  | Assistant Engineer              | 8617085996              |

### MUNICIPAL DISASTER MANAGEMENT TEAM

| Section | Name | Designation | Contact No. |
|---------|------|-------------|-------------|
|---------|------|-------------|-------------|



|                                 |                           |                       |            |
|---------------------------------|---------------------------|-----------------------|------------|
| → General                       | Sri Parimal Majumder      | Office Superintendent | 8900222300 |
| → Municipal Disaster Management | Sri Pradip Kr. Choudhury  | Staff (MDM )          | 9547721200 |
| → Sanitary & Conservancy        | Sri Kartich Chandra Mali  | Staff (S & C)         | 9733445727 |
|                                 | Sri Pradip Choudhury      | Collecting Sarkar     | 9547721200 |
|                                 | Sri Dhiman Basak          | Oversear Assistant    | 9434511779 |
|                                 | Sri Biplab Choudhuury     | Collecting Sarkar     | 9475461711 |
|                                 | Sri Ashok Mallik          | Burning Ghat Recorder | 8617097104 |
|                                 | Sri Rana Paul             | Technician (DRW)      | 7602302500 |
| → Engineering (Civil)           | Sri Nishit Kumar Ghosh    | Assistant Engineer    | 9434181576 |
| → Engineering (Electrical)      | Sri Samir Kr. Chakraborty | Sub-Asstt. Engineer   | 9434459554 |
| → Mid-Day-Meal                  | Sri Swapan Kumar Sarkar   | Staff (MDM )          | 9475441967 |
| → NUHM (Matrisadan)             | Sri Amitava Chanda        | Lab. Technician       | 8906890091 |
| → NULM                          | Sri Sandip Sarkar         | CMM                   | 9434963770 |

#### WARD WISE SANITARY & CONSERVANCY SUPERVISOR :

##### WARD SUPERVISOR

| Ward No. | Name                | Contact No. |
|----------|---------------------|-------------|
| 1        | CHANDAN HASDA       | 7602285187  |
| 2        | ALOK RANJAN DAS     | 7908439994  |
| 3        | BISWAJIT HALDER     | 8158910209  |
| 4        | DILIP KUMAR MONDAL  | 7501841980  |
| 5        | BIBHUTI CHAKRABORTY | 7718249528  |
| 6        | SUJIT GHOSH         | 9474435090  |
| 7        | PARIMAL KUMAR DEY   | 9679104932  |
| 8        | SISIR MONDAL        | 9933613913  |
| 9        | SHYAM SUNDAR SAHA   | 9832246165  |
| 10       | PULAK CHAKRABORTY   | 9474474441  |
| 11       | ANIRBAN DAS         | 9734152775  |
| 12       | BIJOY PRASAD BHAGAT | 8906318136  |
| 13       | TAPASH SAHA         | 9434325749  |
| 14       | SANJIT KARMAKAR     | 9614011493  |
| 15       | ALOK KUMAR NATH     | 7602989998  |
| 16       | RAMPRASAD SARKAR    | 9614436755  |
| 17       | SUBHASH SARKAR      | 7872382320  |
| 18       | SUSANTA DUTTA       | 9932703960  |

|    |                        |            |
|----|------------------------|------------|
| 19 | SUNIL SARKAR           | 7797472276 |
| 20 | MANOJIT                | 8670988129 |
| 21 | ARUNANGSHU BARIK       | 8906110147 |
| 22 | PANKAJ DUTTA           | 8653548191 |
| 23 | TAPAN DEB              | 7602682884 |
| 24 | TARAPADA DUTTA         | 7797906960 |
| 25 | TANOY<br>BHATTACHERJEE | 8293037787 |

## NULM SUPERVISOR

| Ward No. | Name                            | Contact No.           |
|----------|---------------------------------|-----------------------|
| 1        | Dolan Das                       | 7872842897            |
| 1        | Mina Saha Choudhury             | 9002870669            |
| 2        | Anita Das Mitra                 | 7384856912            |
| 2        | Sipra Biswas                    | 9002433884            |
| 3        | Rosna Hansda                    | 9733316174            |
| 3        | Chhoton Das                     | 8670431733            |
| 4        | Babita Madak Sarkar             | 9609867988            |
| 4        | Anjali Sarkar                   | 8759936217            |
| 5        | Babita Paul Halder              | 9800116944/8348918984 |
| 6        | Jaya Mandal Das                 | 9735973008/8016680144 |
| 6        | Pinki Pramanik Das              | 7699498157            |
| 7        | Anindita Chanda Dutta           | 9641266834/7047599648 |
| 7        | Amrita Saha                     | 7319014971            |
| 8        | Saraswati Shil                  | 9563230432            |
| 8        | Archana Debnath                 | 7718585847            |
| 9        | Pipi Mandal Das                 | 7047627164            |
| 9        | Sathi Saha Basak                | 9547152747            |
| 10       | Gopa Biswas                     | 9563080638            |
| 10       | Gita Saha Tokdar                | 9933646937            |
| 11       | Chumki Saha Basak               | 9932922908            |
| 11       | Shika Mahali                    | 7602633381            |
| 12       | Ratna Ghosh Saha                | 9933706675            |
| 12       | Ruma Laskar                     | 9434585246            |
| 13       | Satabdi Chanda                  | 9679273697            |
| 13       | Payel Mandal                    | 7318661646            |
| 14       | Shyamali Das                    | 8972370339            |
| 14       | Mampi Datta Sarkar              | 8972405088            |
| 15       | Kajali Mitra Dutta              | 9933351653            |
| 15       | Arati Muni                      | 8016829858            |
| 16       | Pinki Roy Choudhury Chakrabarty | 7602711388            |
| 16       | Shankari Dutta Karmakar         | 9614199507            |
| 17       | Anindita Roy Sarkar             | 9933123741            |
| 17       | Lipi Chakraborty Majumder       | 9775749546            |

|    |                       |                       |
|----|-----------------------|-----------------------|
| 18 | Rubita Mohanta Sarkar | 9635114336/7031190599 |
| 18 | Nandita Mitra         | 9002562394            |
| 19 | Sonali Roy            | 9002264526/9474386473 |
| 19 | Sarmistha Malakar     | 9749705148            |
| 20 | Rina Barman Roy       | 9563486394            |
| 20 | Pampa Kundu Mali      | 8609905774            |
| 21 | Mana Dey Dutta        | 7031043592            |
| 21 | Priti Das Kundu       | 7477487146            |
| 22 | Tanu Mahanta Das      | 9851877784            |
| 22 | Rupali Ghosh          | 9679120026            |
| 23 | Anjana Halder         | 6297714648            |
| 23 | Purnima Mandal        | 7031247585            |
| 24 | Pinki Das Chakraborty | 9563877831            |
| 24 | Rita Sarkar Das       | 8906502306            |
| 25 | Swapna Ray Mondal     | 9932421900            |
| 25 | Rinki Das             | 8637511749/8348260405 |

#### WARD WISE SANITARY & CONSERVANCY AND DISASTER MANAGEMENT TEAM

| Ward No | Name of Team Member | Contact Number |
|---------|---------------------|----------------|
| 1       | Ratan Pahan         | 9800543669     |
|         | Suklal Murmu        |                |
|         | Shilesh Soren       |                |
|         | Chandan Hasda       |                |
|         | Kailash Tirki       |                |
| 2       | Dipak Hore          |                |
|         | Sundarlal Oraw      |                |
|         | Ajit Hore           | 6297819709     |
|         | Rabi Murmu          |                |
|         | Aloke Ranjan Das    |                |
| 3       | Dilip Mahali        | 8167343124     |
|         | Baidyanath Mahali   |                |
|         | Abinash Basfore     |                |
|         | Mantu Mallik        |                |
|         | Biswajit Halder     |                |
| 4       | Shbnath Urao        |                |
|         | Pushna Tappa        | 9002906918     |
|         | Bablu Kujur         |                |
|         | Binsai Soren        |                |
|         | Dilip Kumar Mondal  |                |
| 5       | Binoy Mallik        | 7318890724     |
|         | Punil Oraw          |                |
|         | Karan Basfore       |                |
|         | Bibhitu Chakraborty |                |
|         | Bablu Hasda         |                |
| 6       | Dhoda Urao          |                |
|         | Prasenjit Pahan     | 8116211691     |
|         | Ranjit Hasda        |                |
|         | Sujt Ghosh          |                |
|         | Birsha Oraw         |                |
| 7       | Jayanta Pahan       | 7098870298     |
|         | Ganesh Mardi        |                |
|         | Bishal Basfore      |                |

|    |                     |            |
|----|---------------------|------------|
|    | Parimal Kumar Dey   |            |
|    | Dilip Hore          |            |
| 8  | Habu Murmu          |            |
|    | Pemjit Murmu        |            |
|    | Haridas Barman      | 9679368004 |
|    | Swapan Barman       |            |
|    | Subrata Pahan       |            |
| 9  | Kamal Oraw          |            |
|    | Bachan Oraw         | 7584095047 |
|    | Gopal Basfore       |            |
|    | Nepal Oraw          |            |
|    | Sanjoy Kumar Biswas |            |
| 10 | Ganesh Pahan        | 7602710183 |
|    | Sankar Mahali       |            |
|    | Tufanu Mahato       |            |
|    | Pulack Chakaraboryt |            |
|    | Sanjit Dom          |            |

| Ward No | Name of Team Member | Contact Number |
|---------|---------------------|----------------|
| 11      | Ashok Basfore       |                |
|         | Goutam Das          |                |
|         | Sunil Oraon         |                |
|         | Ranjan Oraw         | 7797983911     |
|         | Anirban Das         |                |
| 12      | Sadhu Oraw          | 9382406899     |
|         | Ramesh Tudu         |                |
|         | Bisajit Oraw        |                |
|         | Kartik Oraw         |                |
|         | Bijoy Prasad Bhagat |                |
| 13      | Bhanu Baskey        |                |
|         | Sanjoy Hembram      | 7063321367     |
|         | Chiranjit Murmu     |                |
|         | Sujit Besra         |                |
|         | Tapash Saha         |                |
|         | Arjun Hela          |                |
| 14      | Jiban Basfore       | 6294238504     |
|         | Bijoy Murmu         |                |
|         | Ajoy Murmu          |                |
|         | Jishu Pahan         |                |
|         | Sanjit Karmakar     |                |
| 15      | Rabin Mahali        |                |
|         | Binod Murmu         |                |
|         | Sanjit Ekk          | 9382762448     |
|         | Sudhir Ekka         |                |
|         | Sikhil Singh        |                |
| 16      | Khulu Urow          | 9932713756     |
|         | Nikhil Singh        |                |
|         | Nikhil Oraw         |                |
|         | Ramprasad Sarkar    |                |
|         | Milan Basfore       |                |
| 17      | Dasharath Hembrom   |                |
|         | Chotto Baskey       |                |
|         | Shyamal Hansda      | 8101424081     |

|    |                 |            |
|----|-----------------|------------|
|    | Subhash Sarkar  |            |
|    | Tulshi Basfore  |            |
| 18 | Kartik Oraw     |            |
|    | Samai Kisku     | 8967760345 |
|    | Sailesh Tirki   |            |
|    | Susanta Dutta   |            |
|    | Manas Kr Das    |            |
| 19 | Ranjit Tudu     | 8670983716 |
|    | Mono Tudu       |            |
|    | Chiranjit Tudu  |            |
|    | Sanjit Mardi    |            |
|    | Sunil Sarkar    |            |
| 20 | Sanjoy Soren    | 8167257458 |
|    | Nakul Mallick   |            |
|    | Pintu Murmu     |            |
|    | Manoj Hembrom   |            |
|    | Ranjit Kr Dutta |            |

| Ward No | Name of Team Member   | Contact Number |
|---------|-----------------------|----------------|
| 21      | Amit Basfore          |                |
|         | Subhash Pahan         | 8617524015     |
|         | Santosh Tudu          |                |
|         | Arunangshu Barik      |                |
|         | Krishna Basfore       |                |
| 22      | Mahiram Soren         |                |
|         | Pradip Mardi          |                |
|         | Krishna Mardi         | 7384073995     |
|         | Pankaj Dutta          |                |
|         | Maniram Mardi         |                |
| 23      | Mani Basfore          |                |
|         | Sunil Barman          |                |
|         | Santosh Basfore       |                |
|         | Kishan Basfore        | 9064496273     |
|         | Tapan Deb             |                |
| 24      | Suresh Singh          |                |
|         | Somesh Tirki          | 7063884697     |
|         | Jatin Mardi           |                |
|         | Chandan Singh         |                |
|         | Tarapada Dutta        |                |
| 25      | Bimal Baru            |                |
|         | Sunil Kisku           |                |
|         | Sanjit Hasda          | 6296483629     |
|         | Tanay Bhatthercharjee |                |
|         | Kanai Basfore         |                |

LEADING NGO / VOLUNTARY ORGANISATION

| Sl. No | Name of the Organization   | Communication No. |
|--------|----------------------------|-------------------|
| 1.     | St. Johns Ambulance        | 03522257834       |
| 2.     | District Red Cross Society | 03522255175       |
| 3.     | Balapur Tagore Society     | 03255263278       |

LIST OF IMMEDIATE EX-CHAIRMAN / VICE-CHARMAN / MCIC / COUNCILLOR

|                         |                  |            |
|-------------------------|------------------|------------|
| RAJEN SHIL              | Ex-Chairman      | 9434176652 |
| BABY BARMAN             | Ex-Vice-Chairman | 8906812243 |
| DEBJIT RUDRA (BAPI)     | Ex-M.C.I.C.      | 8116807075 |
| BRATAMOY SARKAR (BILTU) | Ex-M.C.I.C.      | 9932922262 |
| SHANKAR KUMAR DUTTA     | Ex-M.C.I.C.      | 9434171063 |
| SUMPI DAS               | Ex-Councillor    | 9932103861 |
| MADAN MOHAN KARMAKAR    | Ex-Councillor    | 9378675912 |
| MALAY CHOUDHURY         | Ex-Councillor    | 9434171391 |
| KRISHNA SARKAR          | Ex-Councillor    | 9800532456 |
| ARUN DASGUPTA           | Ex-Councillor    | 9733134643 |
| PROLOY GHOSH            | Ex-Councillor    | 9434057396 |
| MAMATA BARMAN           | Ex-Councillor    | 9733083299 |
| SAJOY SAHA (DHAKAI)     | Ex-Councillor    | 9434962879 |
| BARNILA SARKAR (ROY)    | Ex-Councillor    | 9475226698 |
| DEBAPRIYA DAS           | Ex-Councillor    | 9475102001 |
| SASWATI MANNA           | Ex-Councillor    | 9002485211 |
| NITA HANSDA             | Ex-Councillor    | 8759921722 |
| KUNTAL DAS (BAPPA)      | Ex-Councillor    | 9800935858 |
| GOPAL NANDI             | Ex-Councillor    | 9475311399 |
| SHYAMA DAS (SEN)        | Ex-Councillor    | 9434194454 |
| SUCHETA BISWAS          | Ex-Councillor    | 9434065450 |
| PINTU HALDAR            | Ex-Councillor    | 9475466312 |

|                       |               |            |
|-----------------------|---------------|------------|
| KALPANA SAHA          | Ex-Councillor | 9635588945 |
| ARIJIT CHANDA (KUTTY) | Ex-Councillor | 9932684705 |

## RESOURCE MOBILIZATION

### MUNICIPAL FLOOD SHELTER

| Sl. No. | Name of the Flood Shelter                   | Address       | Ward no. | Contact Person with designation             | Contact No. |
|---------|---|---------------|----------|---|-------------|
| 1       | Working Women Hostel                        | Raghunathpur  | 3        | Sri Nishit Kr. Ghosh,<br>Assistant Engineer | 9434181576  |
| 2       | Sahebkachhari Manimela School Flood Shelter | Sahebkachhari | 22       |   |             |
| 3       | Old Techno Building Campus                  | Mangalpur     | 9        |   |             |
| 4       | Haribhaban F.P. School Flood Shelter        | Deshari Para  | 7        |   |             |

### THE PREMISES USES AS RESCUE / FLOOD SHELTER

| Sl. No. | Name                                   | Contact person    | Communication no. |
|---------|--|-------------------|-------------------|
| 1       | Khadimpur High School                  | Teacher-in-charge | 9800184398        |
| 2       | Khadimpur Girl's High School           | Teacher-in-charge | 8967439779        |
| 3       | Prachyabharati Vidyapith               | Teacher-in-charge | 9800586828        |
| 4       | Paulpara F.P. School                   |                   |                   |
| 5       | Khadimpur F.P. School                  | Teacher-in-charge | 8967076994        |
| 6       | Vidyasagar Vidyapith                   |                   |                   |
| 7       | Santineketan F.P. School               | Teacher-in-charge | 9434374081        |
| 8       | Baghajatin F.P. School                 | Teacher-in-charge | 7501376280        |
| 9       | Sisumangal F.P. School                 | Teacher-in-charge | 9474737582        |
| 10      | Sahebkachhari Municipal Market Complex |                   |                   |
| 11      | Gitanjali F.P. School                  | Teacher-in-charge | 9733313144        |
| 12      | Nanda Smriti F.P. School               | Teacher-in-charge | 9474435612        |
| 13      | Manimela Municipal F.P. School         | Teacher-in-charge | 9475613142        |
| 14      | Namabongi F.P. School                  | Teacher-in-charge | 9474139087        |
| 15      | Jogamaya F.P. School                   | Teacher-in-charge | 7478126889        |
| 16      | Narayanpur F.P. School                 | Teacher-in-charge | 9475251839        |
| 17      | Ashutosh Balika Vidyapith              | Teacher-in-charge | 9679142082        |
| 18      | Beltala Municipal Abaitanik Vidyapith  |                   |                   |
| 19      | Taran Chandra High School              | Teacher-in-charge | 9434962903        |
| 20      | Balurghat Stadium                      |                   | 9733360000        |
| 21      | Uttar Chakbhabani F.P. School          | Teacher-in-charge | 9933613188        |
| 22      | Nalanda Vidyapith                      | Teacher-in-charge | 9475472242        |
| 23      | Uttamasha F.P. School                  | Teacher-in-charge | 9126743164        |
| 24      | R.C.D. Balika Vidyapith                | Teacher-in-charge | 9002753444        |
| 25      | Girl's College                         |                   |                   |
| 26      | Balurghat Girl's High School           | Teacher-in-charge | 9434233033        |
| 27      | Balurghat High School                  | Teacher-in-charge | 9434247079        |
| 28      | L.M.A.U. Vidyalyaya                    | Teacher-in-charge | 9434513233        |

|    |                       |                   |             |
|----|-----------------------|-------------------|-------------|
| 29 | Avijatri Vidyaneketan | Teacher-in-charge | 9475106129  |
| 30 | Balurghat College     |                   | 03522255392 |

Other than these some temporary shelter usually constructed during the flood as per requirement.

#### RELIEF MATERIALS STOCK POSITION

| MATERIALS NAME | STOCK IN POSITION (AS ON 12.02.19) |
|----------------|------------------------------------|
| TARPULIN       | 4398 NOS.                          |
| DRY FOOD       | NIL                                |
| BABY FOOD      | NIL                                |
| CATTLE FOOD    | NIL                                |

#### RESOURCE AVAILABLE IN THIS MUNICIPALITY TO COMBAT THE DISASTER MANAGEMNET VEHICLES

| Category of vehicle | Vehicle No   | Driver Name      | Driver Contact No. |
|---------------------|--------------|------------------|--------------------|
| Tractor (Own)       | WGO-385      | SAILESH TUDU     | 8942915312         |
|                     | WB-61 0186   | NOGEN KISKU      | 7872808106         |
|                     | WB-61 3357   | AMAL HARI        | 9547774451         |
|                     | WB-61E 2339  | BISHU ORAW       | 8945881924         |
|                     |              | BISHU BASFORE    | 9679473289         |
|                     | WB-61 1175   | GARIBA HARI      | 8967402681         |
|                     |              | GOUTAM BASFORE   | 9002203950         |
|                     | WB-61 E 2340 | SHIBRAM BASFORE  | 8967926689         |
|                     | WB-61 1891   | CHHOTTU BASFORE  | 8670780749         |
|                     | WB-61 3299   | SUROJ HAZRA      | 6295081150         |
|                     | WB-61 3181   | MONESH KISKU     | 9932585560         |
| Tractor (Hired)     | WB-61 2954   | PARESH BARMAN    | 6294193602         |
|                     | WB-61 5513   | GANESH KISKU     | 9382314251         |
|                     | WB-61 3805   | PRASAD MALI      | 9609115509         |
|                     | WB-61 6283   | PRASANTA BARMAN  | 9064714162         |
|                     | WB-61 1996   | PALASH MURMU     | 9614812654         |
|                     | WB-61 0724   | BAPI BARMAN      | 9064931711         |
|                     | WB-61 7440   | SUSHIL HAEMBRAM  | 9074547183         |
|                     | WB-61 2001   | BAPI BASKEY      | 7679573892         |
|                     | WB-61 0078   | PRASANTA MALI    | 6294927211         |
| PICKUP VAN (Hired)  | WB-61 4364   | BHOLA SARKAR     | 8145896355         |
|                     | WB-61 4365   | GOUTAM BARMAN    | 8597189532         |
|                     | WB-61 4366   | KHOKON BARMAN    | 820705800          |
|                     | WB-61 4367   | SANJIT HANSDA    | 9635972725         |
| TATA ACE (Hired)    | WB-61 2897   | SARBAJIT HEMBRAM | 8944033590         |
|                     | WB-61 2898   | PINTU ORAW       | 7365063179         |
|                     | WB-61 8746   | MANOJ BARMAN     | 9749112698         |
|                     | WB-61 8957   | SURAJ PAHAN      | 7384841758         |



|                  |            |                 |            |
|------------------|------------|-----------------|------------|
|                  | WB-61 8983 | PROSENJIT MURMU | 7602823310 |
| Sky Jacker (Own) |            | SUMIT LAHA      | 9647740565 |

#### MACHINE / PUMP SET

| Category of Machine                      | Operator Name | Operator Contact No. |
|--|---------------|----------------------|
| Tree Cutting (Own)                       | Rana Paul     | 7602302500           |
| Pump Set for removing Logged water (Own) | Ranjit Ghosh  | 9163036112           |

#### RELIEF OPERATION :

Municipality is ready to supply drinking water to the flood shelter and other affected areas through water tank from own source.

| Name of Nodal Person to contact | Contact No. | No. of Tanker |
|---------------------------------|-------------|---------------|
| Kartick Chandra Mali            | 9733445727  | 30 Nos        |

Pump set for clearing Water Logged area

| Name of Nodal Official | Designation        | Contact No. |
|------------------------|--------------------|-------------|
| Nishit Kumar Ghosh     | Assistant Engineer | 9434181576  |

Proper Sanitary arrangement will be made available in Rescue Camp.

#### LIST OF LODGE / HOTEL / GUEST HOUSE

| SL. No. | Name of the Lodge / Hotel / Guest House | Contact No. |
|---------|---|-------------|
| 1       | ABHISHEK BHABAN                         | 9434120851  |
| 2       | THE FRIENDS RESIDENCY                   |             |
| 3       | AYOJAN                                  | 9733000878  |
| 4       | RENUKA LODGE & APPARTMENT CO.           | 9434055952  |
| 5       | LODGE LILA                              |             |
| 6       | CHARTERED LODGE                         | 9474037909  |
| 7       | MAN MOHAN BHABAN                        | 9474850758  |
| 8       | HORN BILL                               | 9434035084  |
| 9       | LODGE MONALISA                          | 7584076688  |
| 10      | GAJENDRA LODGE                          | 9153612603  |
| 11      | NEW DAY NIGHT LODGE                     | 9933957978  |
| 12      | SUHANI RESIDENCY LODGE                  | 9547625440  |
| 13      | BALURGHAT BHABAN                        | 9434155054  |
| 14      | SARKAR HOTEL                            | 7699215088  |
| 15      | BALURGHAT LODGE                         | 9434144974  |
| 16      | DAY'S LODGE                             | 9434460163  |
| 17      | BANDHAN LODGE                           | 9434424443  |
| 18      | ANANDA BHABAN                           | 9475210413  |
| 19      | MOHINI GUEST HOUSE                      | 9474380395  |
| 20      | INDRO KALPA BHABAN                      | 9563082727  |
| 21      | STAR RESIDENTIAL LODGE                  | 9547163599  |
| 22      | KSHANIKA GUEST HOUSE                    | 3522255680  |

## MUNICIPAL OWN GUEST HOUSE

| Name of Guest House   | Total No. of Room | Capacity     | Contact No.  |
|---|-------------------|--------------|--------------|
| Kshanika  | 15 Nos. (Non-AC)  | 32           | 03522-255680 |
|   | 5 nos. (AC)       | 10           |              |
| Kshanika (Hall Room-1 <sup>st</sup> & 2 <sup>nd</sup> ) floor | 2 nos.            | 100 (approx) | 03522-255680 |
| Suresh Ranjank Park   | 5 nos. (AC)       | 10           |              |
| Utsav Bhaban (Saheb Kachhari)                                 | 8 nos. (Non-AC)   | 26           | 9474443827   |
| Utsav Bhaban (Hall Room-1 <sup>st</sup> floor)                | 1 No.             | 100 (approx) |              |
| Subarna (Bus Stand)   | 2 nos. (Non-AC)   | 4            | 9434513252   |
| Subarna (Hall Room-1 <sup>st</sup> floor)                     | 1 No.             | 80 (approx)  |              |
| Ananya (Chakbhabani Market)                                   | 2 Nos.            | 4            | 9434511779   |
| Ananya (Hall Roo-1 <sup>st</sup> floor)                       | 1 No.             | 50 (approx)  |              |
| Souhardya (District Hospita)                                  | 14 Nos.           | 46 nos.      | 9434719507   |

## LIST OF RATION SHOP (M.R. DEALER)

| SL. No. | Name of M.R. Dealer       | Contact No. |
|---------|---------------------------|-------------|
| 1       | M.K. DAS                  | 9434112875  |
| 2       | S.R. DAS                  | 8967455989  |
| 3       | PAPY SARKAR M.R. 42       | 9800170961  |
| 4       | R.K. GHOSH                | 9434171117  |
| 5       | K. BHOWMICK & B. BHOWMICK | 9647847497  |
| 6       | ANITA ROY CHOWDHURY       | 7908366233  |
| 7       | R.K. MAJUMDER             | 7501835885  |
| 8       | JYOSTNA TARAFDAR          | 9734938422  |
| 9       | PAPY SARKAR M.R. 10       | 9851733343  |
| 10      | MAYA MOHANTA              | 7031748563  |
| 11      | SUBRATA SAHA              | 9434459808  |
| 12      | GIRISH SAHA               | 9475210413  |
| 13      | PRADYUT KUMAR SAHA        | 9614619334  |

## LIST OF GAS DEALER

| SL. No. | Name of M.R. Dealer | Contact No. |
|---------|---------------------|-------------|
|---------|---------------------|-------------|

|   |                      |                       |
|---|----------------------|-----------------------|
| 1 | AVISKAR GAS SERVICE  | 03522-256242          |
| 2 | ATRAYEE GAS SERVICE  | 03522-255595          |
| 2 | MANOROMA GAS SERVICE | 9433013282/9433771545 |

#### LIST OF FERRY OWNER

| Sl. No. | Name of Ferry Owner | Contact No. |
|---------|---------------------|-------------|
| 1       | Bancha Halder       | 9002515702  |
| 2       | Sarbeswar Halder    | 9725276718  |
| 3       | Sambhu Halder       | 7001585223  |
| 4       | Parimal Halder      | 9002514604  |
| 5       | Siben Halder        | 9832251728  |

#### TO COMBAT OF ANY TYPE OF NATURAL DISASTER WITHIN BALURGHAT

Apprehending the coming of any type of natural disaster like Storm, Cyclone, Heavy Rainfall, Earth Quake, Blaze of Fire and so on we take precautionary measure on war foot basis which are furnished below :-

Awareness programme is to be done towards the people through Miking, Grass Level Manpower is used to make the people aware about the anticipation of calamity, disaster management wings etc.

According to necessity we render rehabilitation of victims, provide drinking water, required relief materials at expeditious food in the interest of the people.

Arrangement of ferry, Sand, Bolder, Cattle food etc. as and when required basis.

Proper communication is to be done to combat the above situation with competent authority.

All hazardous trade license holders to take-up fire NOC, fire extinguisher.

JCB – AD Enterprise, Forest WB & PWD JCB has conducted mock drill for removal of trees felled in storm.

30 Nos. water Tanks are kept as stand by for fire incidents.

BALURTHAT FIRE STATION : 03522 - 255613

**Air dropping Site** : BALURGHAT STADIUM

Height above sea level : 24 meters

The length of the runway : 1097 meters

Latitude : 25.2635° N

Longitude : 88.7968° E

#### MEDICINE SHOP / DOCTORS ON CALL

MATRISADAN (MUNICIPAL HOSPITAL) - 03522-271568

| Contact to -    | Name                  | Contact No. |
|-----------------|-----------------------|-------------|
| Medical Officer | Dr. Shanti Kr. Momdal | 9093370113  |
| Nodal Person    | Sri Amitava Chanda    | 8906890091  |

## HELP DESK

Website : [www.balurghatmunicipality.org](http://www.balurghatmunicipality.org)

Control Room : Balurghat Municipality  
03522-255450 / 255680

KSHANIKA GUEST HOUSE - 03522-255680  
MUNICIPAL OFFICE - 03522-255450  
SANITARY & CONSERVANCY - 9475121938

## BRIEF DESCRIPTION OF DISASTER MANAGEMENT ACTIVITIES TAKEN UP BY THIS OFFICE –

Arranged sand bags and labour for filling of water cut points on the River and Khari embankment besides the irrigation Department at several points.

Conducted rescue operation and shifting of vulnerable peoples to 51 shelters opened under Balurghat Municipality

Served Dry food, cooked food and helped all the Clubs, NGOs, Individuals who approached for mobility support for relief distribution.

Ensured arrangement of electricity, drinking water in temporary relief shelters as well as other water logged areas.

Conducted fixed and mobile medical camps and ensured distribution of medicine to the affected peoples.

Disinfection process started of the water sources and different places, Households since 19.08.2017 and will continue in coming days.

Distribution of Polly-Sheet, Special G.R. Rice to the affected peoples has already been started and will continue it till the situation is under control.

Pumping out of water at places where it required has been started since 19.08.2017 and will continue in coming days if required.

Labours were deployed for cleaning of Garbage, Sludge of Drains, relief distribution and conservancy purpose and will continue it till the situation is under control.

Initiative taken for repair and restoration of Roads.

Flood control room had been opened and day night service had been rendered to flood victims.

This office is graceful to Dakshin Dinajpur Disaster Management Officer because they extend their co-operative hands during this aggravated situation and supplied all sorts of relief materials to this office as and when required.

All sorts of Employees of this office were engaged for rendering the service to the flood affected people.

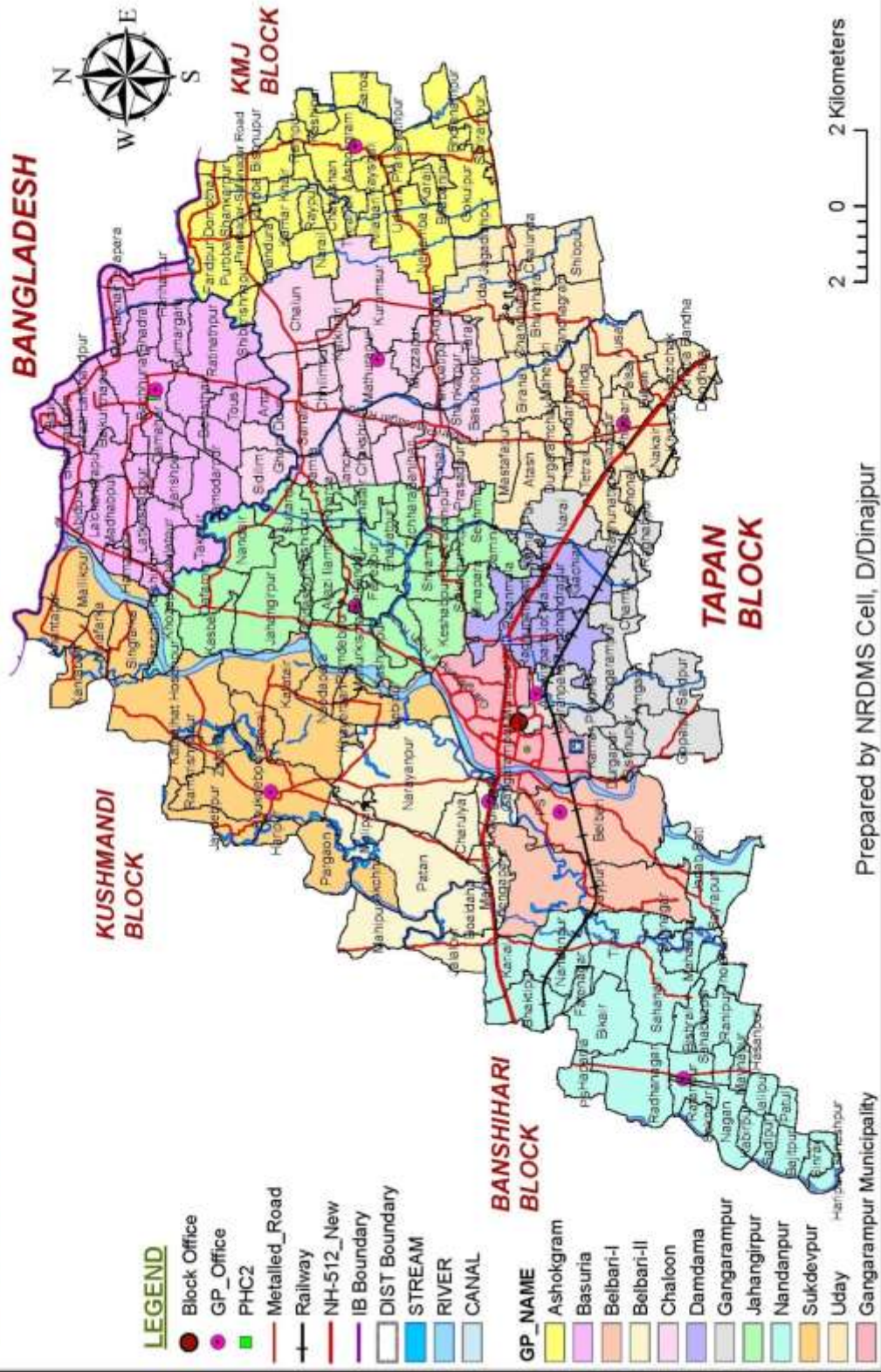
DOCUMENTATION OF DISASTER MANAGEMENT ACTIVITIES OF BALURGHAT MUNICIPALITY



## 6. Gangarampur Development Block

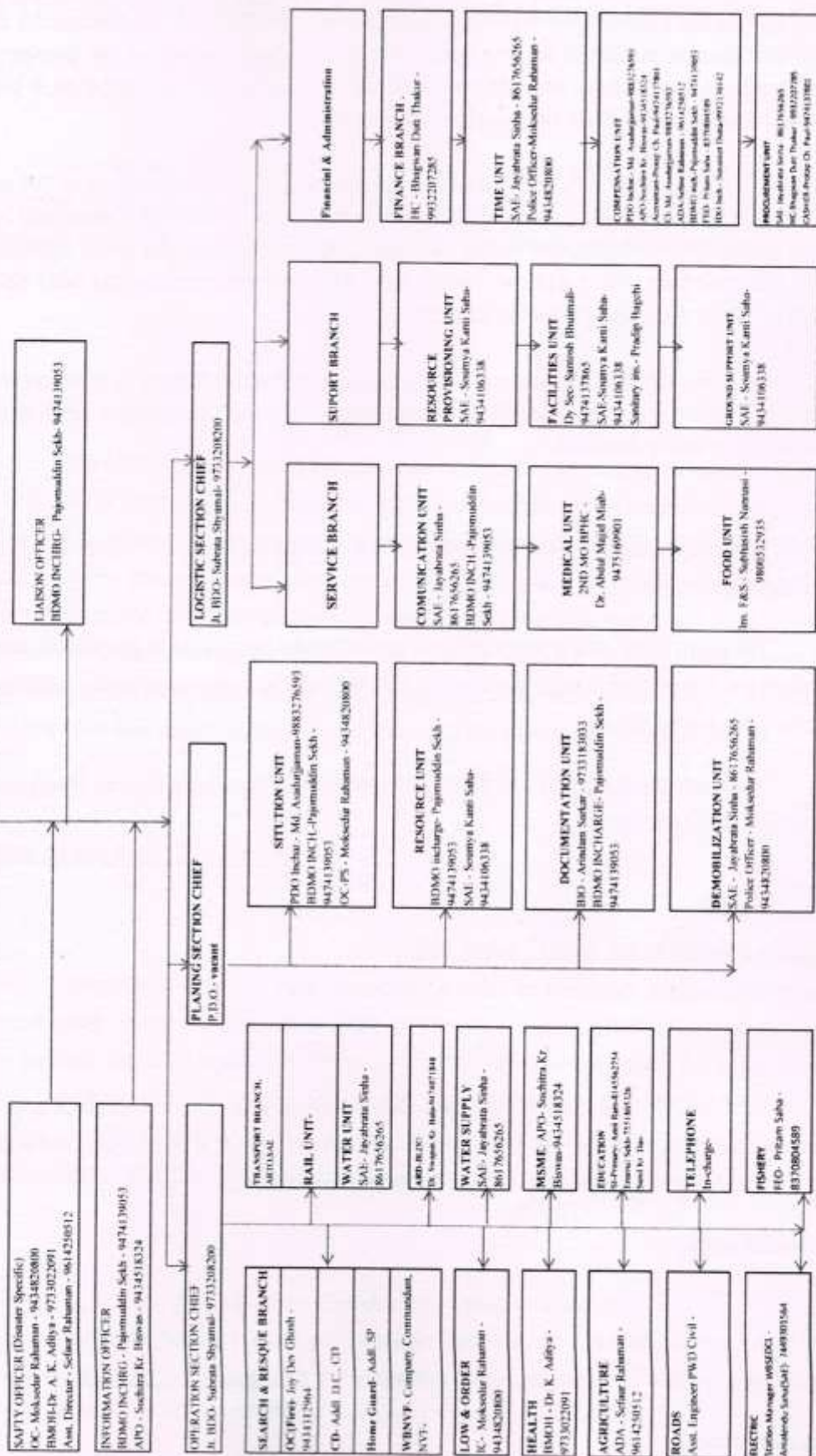


# ADMINISTRATIVE MAP OF GANGARAMPUR BLOCK



# INCIDENT RESPONSE TEAM -Gangarampur Dev. Block

RESPONSIBLE OFFICER & INCIDENT COMMANDER  
BLOCK DEVELOPMENT OFFICER  
Sri Biswajit Dhang - 9993692693





## INTRODUCTION:

The basic objective of the Block Disaster Management Plan is to protect the residents of the Block and their property from all sorts of untoward incidents through the following objectives:

- ☐ To prevent loss of human life and property damage
- ☐ To study analyze and evaluate the disasters.
- ☐ To identify the vulnerable locations and do the vulnerability and risk analysis.
- ☐ To improve preparedness, prevention and mitigation at Block level.
- ☐ To ascertain the status of existing resources and facilities available.
- ☐ To recommend appropriate strategies and responses to deal with future disasters.
- ☐ To prevent and minimize loss of human lives and property by gearing up preparedness , prevention& mitigation at Block level
- ☐ To impart training programs for proper awareness.

**At a glance Gangarampur Development block.**

|  |   |
|--|---|
| <b>Coordinates</b>                           | <b>:25.40<sup>0</sup>N , 88.52<sup>0</sup> E</b>  |
| <b>Total Area of the Block</b>               | <b>: 328.4 Sq. Km.</b>  |
| <b>Total Population</b>                      | <b>: 243027</b>   |
| <b>Total Male Population</b>                 | <b>: 125707</b>   |
| <b>Total Female Population</b>               | <b>: 117320</b>   |
| <b>Total household</b>                       | <b>: 54285</b>  |
| <b>Total No. of Mouzas</b>                   | <b>: 206</b>  |
| <b>Main River</b>                            | <b>: Punarbhaba, Tangon</b>   |
| <b>Other Channels</b>                        | <b>: Kasiary khari, Brahmon Khari , Jadu Khari, Bau Khari.</b>  |
| <b>Average Rainfall through the year</b>     | <b>: 302 mm</b>   |
| <b>Area affected by Flood (Approx)</b>       | <b>: 205 Sq. Km.</b>  |
| <b>Population affected by Flood (Approx)</b> | <b>: 203600</b>   |
| <b>Main Economic activity of the area</b>    | <b>: Agriculture</b>  |
| <b>Total Cultivated Land</b>                 | <b>: 25240 Hec.</b>   |
| <b>International Border with Bangladesh</b>  | <b>: 16 Km.</b>   |
| <b>Gram Panchayats</b>                       | <b>:11 nos(Sukdevpur ,belbari-I, Belbari-II, Nandanpur , Damdama,Gangarampur,Jahangirpur, Basuria, Chaloon,Uday &amp; Ashokgram )</b> |

### **Hazard,Vulnerability,Capacity& Risk Management :**

Vulnerability assessment deals with Socio-EconomicGangarampur Development Block is situated on the bank of two rivers like Punarbhaba & Tangon and many Cannels like Kasiary Khari, Brahmun Khari, Jadu Khari, Bau Khari etc surrounded this block. So it is a vulnerable Block in respect of flood in Dakshin Dinajpur District. Recently all the previous records have been broken during flood like situation created in the month of August 2017 and 8 no of people lost their precious lives during flood like situation for various reason.

Total 116 no. mouzas are fully affected and 76 no. mouzas are partly affected out of 206 no Mouzas and about 1,30,450 no of people became homeless. Only the high level roads have been used as night shelter under tarpaulins for the distitute people. A large number of crops merged under water and huge no of cattle lost their lives. About 8165 no houses fully, 4366 no houses severely and 9463 no houses partly damaged during devastating flood like situation.

**Water-Logging:-** As per the vulnerability of Gangarampur Block is concerned water logging in some areas & damage of houses in different area of the Block due to storm/ hailstorm is the main problem which been experienced like every year during monsoon.

**Road Accidents:-**Some road accidents occurred in the area of 11 nos. G.P. as State High Way, PWD Roads & PMGSY Roads within these G.P. areas.

**Earthquake:-** The entire Block area is also vulnerable to earthquake because of its geographic, climatic & seismic condition and it is situated in category IV seismic belt. We have to chalk out rescue and relief operation for the disaster caused by earthquake.

To mitigate the damage caused due to different disaster, Block Level Disaster Management Committee has already been constituted.

### **Flood Like Situation on and from 12<sup>th</sup> August 2017**

#### **Cause of Flood:-**

About three /four days continuous heavy rainfall , lack of ponds and 'Khal's which is containing a large number of water, low depth of rivers which is almost filled with sand and weak embankment of major rivers and Kharis is the major reason for the flood like situation.

#### **Vulnerable areas-**

Entire area of Belbari – I and Belbari- II G.P., Nandanpur G.P., Basuria G.P and Sukdebpur G.P., a part of Jahangirpur G.P., Chaloon G.P., Uday G.P., are mostly vulnerable in respect of water logging and flood in the year 2017. Two/three mouzas of Ashokgram G.P & Gangarampur G.P is badly effected.

#### **Cause of Flood:-**

About three /four days continuous heavy rainfall , lack of ponds and 'Khal's which is containing a large number of water, low depth of rivers which is almost filled with sand and weak embankment of major rivers and Kharis is the major reason for the flood like situation.

#### **Condition of life:-**

A large number of weaker section people lost their houses and shelters. In a very short of time their life became comparable with baggers. No food, no drinking water, no dresses , no seeds, no money, no electricity. The human beings and the cattle slept at night in a same bed. As they entered in hell with their kith and Kin. They were only dependent on the Government helping like tarpaulins, cloths, food, water etc.

#### **Camps:-**

In a war like situation the Block & G.P. level authorities booth arranged several camps for night shelter in some Primary & High schools, on high roads, on roof of high building where ever it found in every Gram Panchayat areas. A huge number of Tarpaulins have been supplied for the camps from Gangarampur Block.

#### **Food Distribution:-**

The affected people collect the MDM rice from schools where they took shelter in very beginning of the days. On the first two days the block also distributed cooked food to a large number of people who took shelter in the 512 no National High Way which is under water from Maharajpur to Nildanga. The Block had allotted special rice to the concerned dealers for camps of affected areas and the people were informed to collect grocery for making cooked food. Then Dal, dry food , baby food, powder milk, soabin, salt, muri, biscuits etc were distributed to the villagers through the Block and G.P. officials. From the third day a huge number of distressed people came to the Block Office in search for some food. They were given lunch at the Office premises everyday and a G.R. Rice coupon containing 5 K.G. of rice for the other members of their family.

#### **Drinking Water:-**

Everywhere water but there is no drinking water for the thirsty people. Children are crying for a drop of water. When the Block team reached with water pouch which is supplied by PHE department at the very morning to the people who sheltered in the 512 National High Way on the second day it seems all the thirsty people came back to their life. But ten thousand pouches were not sufficient to the team and when the children asked for a pouch we became helpless. Tears came out from our eyes. From the third day the number of water pouches were increases and it distributed all over the block areas as much as possible.

#### **Role of NGOs& Clubs:**

Many clubs and NGOs of Gangarampur Block gave their helping hands for the destitute people. They every day supplied cook food or dry food and drinking water either by collected from Gangarampur Block Office or some time by their own arrangement . Bharat Sevashram Sangha also took part in this programme.

**Medical facilities:-**

Some mobile medical team visited all the camps and supplied basic medicines for the sick people everyday. A medical camp was organized at Block Office premises about fifteen days by the doctors from BPHC.

**Institutional Arrangements for Disaster management(DM):-Incident Response System (IRS).**

An Incident Response System (IRS).team has been created at Block Level comprising of 11 G.P.s to combat the aftermath of any Natural Calamity . The vision is to minimize loss of life and property by strengthening and standardizing the disaster response mechanism .

Below is IRS team of Gangarampur Development Block:-

| Sl. No. | Name of the Officer/ Staff             | Name of Gram Panchayat.                  | Officer / Staff Mobile No |
|---------|--|--|---------------------------|
| 1       | Sukanta Kisku B.C.W. Squad. Leader     | <b>1 No. Sukdevpur Gram Panchayat</b>    | 8617582922                |
| 2       | Satyajit Roy, O.C.M                    |  |                           |
| 3       | All Gram Panchayat Staff               |  |                           |
| 4       | Suchitr kr. Biswas, APO. Squad. Leader | <b>2 No. Belbari (i) Gram Panchayat</b>  | 9434518324                |
| 5       | Subir Saha O.C.M.                      |  | 9735067353                |
| 6       | All Gram Panchayat Staff               |  |                           |
| 7       | Saumya Kanti Saha, S.A.E               | <b>3 No. Belbari (ii) Gram Panchayat</b> | 9434106338                |
| 8       | Swapan Choudhury , E.A.                |  |                           |
| 9       | All Gram Panchayat Staff               |  |                           |
| 10      | Basudev Paul, BWO                      | <b>4 No. Nandanpur Gram Panchayat</b>    | 7063157266                |
| 11      | Debabrata Saha, Supervisor             |  |                           |
| 12      | All Gram Panchayat Staff               |  |                           |
| 13      | Palash Ranjan Thakur, S.E.O            | <b>5 No. Damdama Gram Panchayat</b>      | 9434964736                |
| 14      | Rajesh Kujur, O.C.M.                   |  | 7001568240                |
| 15      | All Gram Panchayat Staff               |  |                           |
| 17      | Pijush Kr. Singha, O.C.M.              |  | 9002678475                |
| 18      | All Gram Panchayat Staff               |  |                           |
| 19      | Jyabrata Shina, S.A.E                  | <b>7 No. Jahangirpur Gram Panchayat</b>  | 9434964245                |
| 20      | Joydev Ch. Roy, O.C.M                  |  | 9735093654                |
| 21      | All Gram Panchayat Staff               |  |                           |
| 22      | Ratan Ch. Barman, C.D.P.O              | <b>8 No. Basuria Gram Panchayat</b>      | 8145368310                |
| 23      | Shyamal Kr. Roy , A.O.                 |  |                           |
| 24      | All Gram Panchayat Staff               |  |                           |
| 25      | Pajomuddin Sekh , APO                  | <b>9 No. Chaloan Gram Panchayat</b>      | 9064234285                |
| 26      | Partha Sarkar, O.C.M                   |  | 9734003932                |
| 27      | All Gram Panchayat Staff               |  |                           |
| 28      | Pritam Saha , FEO                      | <b>10 No. Uday Gram Panchayat</b>        | 9007089942                |
| 29      | All Gram Panchayat Staff               |  |                           |
| 30      | Atanu Tarafdar , PAO                   | <b>11 No. Ashokgram Gram Panchayat</b>   |                           |
| 31      | All Gram Panchayat Staff               |  |                           |

**Prevention and Mitigation measures:-**

Disaster Mitigation contributes to lasting improvement in safety and is essential to integrate disaster management in mainstream planning. Broadly mitigation ways can be divided into two parts i.e. structural measure and non-structural measures. Structural measures undertake to strengthen buildings, lifelines and infrastructure to withstand any hazard. Non-structural measures emphasis on land-use planning, programmes for sustaining awareness, dissemination of information materials on do's and don'ts at the time of disaster.

Once the area has been identified as hazard prone, it becomes important that the government and the community should practice these above-said measures. Based on this ideology, mitigation plan may vary according to hazards.

### **Mitigation Measures:**

Mitigation embraces all measures taken to reduce both the effect of the hazard itself and the vulnerable conditions to it in order to reduce the scale of a future disaster. Mitigation aims to reducing the physical, economic and to threats and the underlying causes for the vulnerability .

### **Sector wise structural mitigation measures:-**

| <b>Sector</b>  | <b>Mitigation measures</b>  | <b>Responsible Department</b>                         | <b>Time Frame</b>                       |
|--|---|---|---|
| Information, education and communication activities- | Distribution of leaflets, posters.<br>Awareness generation programme in schools and colleges, conducting various competitions and rallies.<br>Organizing Staff development and refresher training to concerned dept, task force team, NGO and CBOs.<br>Conducting regular Mock drill Plantation Programme | Block Administration                                  | All Year round (with regular intervals) |
| Road-  | Identification/ repair of main and alternative routes.<br>Repair of vulnerable points.<br>Conversion of Pucca Roads of Village roads  | PWD(Roads).<br>Zilla Parishad<br>Block Administration | During normal Time                      |
| Embankments  | Strengthening and raising the height of weak embankments points .Storage of flood fighting materials  | Irrigation Department                                 | During pre flood                        |
| Bridges  | Regular maintenance   | Irrigation Department                                 | During normaltime                       |
| Drinking water Sanitation                            | Assessment of running/defunct tube wells and makes necessary Arrangements, identifications of scarce water pockets.Installation of water supply system.Identifications of submergible TWs and risingof its platform height.   | PHE department  | Throughout the year                     |
| Power  | Ensure proper and safe electric connections to the consumer and from electric stand posts/transformers  | WBSEDCL   | Throughout the year                     |
| Vaccinations   | Procurement and stock piling of vaccines. Regular vaccination of domestic animals. Regular disinfection of wells and ponds.   | AnimalHusbandry and veterinary department             | Throughout the year                     |

During Disaster / calamity with close liaison with District administration & Gram Panchayats the below preventive measures is to be taken accordingly by Block administration --

### **Pre-Disaster Period:**

| Preparation   | Objectives   |
|---|--|
| Receipt of information  | For proper access  |
| Dissemination of information  |  |
| Immediate setting and operational of control room round the clock Rescue and evacuation             | To evacuate vulnerable people to identified shelters and logistic arrangements |
| Arrangement of free kitchen   | To provide immediate feeding to the evacuated people                           |
| Sanitation and medicines  | To prevent epidemics and infections  |
| Ensuring transportation of Relief materials to affected Pockets                                     | To ensure that the relief materials reach in time to the affected people       |
| Ensuring safety of life and belongings  | To prevent anti-social activities  |
| Ensuring availability of safe drinking water, provision of health facilities and minimum sanitation | To check the onset of epidemics  |
| Meeting of field level officers in every 24 hours to review the situation                           | Better co-ordination   |

#### **During Disaster:**

| Preparation  | Objectives                                |
|--|---|
| Alertness & Readiness to gear up in action, immediately after the disaster | To rescue the trapped and injured persons |
| Control room functional round the clock                                    | To mitigate the effects of the disaster   |
| Monitoring   | To review the rescue and relief Work      |

#### **Post Disaster:**

| Preparation   | Objectives   |
|---|--|
| Distribution of relief as per Provisions                      | To provide food and other essential commodities for survival |
| Assessment of Damage  | To ascertain the exact loss for reporting to the govt.       |
| Immediate arrangement of free kitchen for the effected people | To avoid starvation  |
| Monitoring  | To review the relief works and remove the bottlenecks        |

#### **PLAN TO COMBAT FLOOD:**

80% of Gangarampur Block is affected by over flown of water/ flood of river Punarbhaba, Tangan, Brahmani & Kasiary Khari Brahamoni Khari, Jadu Khari, Baul Khari during monsoon period according to previous records.

The detailed information to this effect is given below:-

| NAME OF GRAM PANCHAYAT | Name of the Village/mouza or/ward no | Population | Whether likely to be Partly Flooded or fully | Population likely to be affected | Population projected to be shifted to flood shelter | Location of flood shelter/cyclone shelter tagged for evacuation    |
|------------------------|--------------------------------------|------------|--|----------------------------------|---|--|
| BELBARI-II             | LAXMITALA                            | 1500       | FULLY  | 1500                             | 5000  | NIRANJAN GHOSH SRITI H.S.GOV. POLYTECHNIC COLLEGE PANCHAYAT OFFICE |
|                        | CHARULLYA                            | 1500       | FULLY  | 1500                             |   |  |
|                        | KADIGHAT                             | 2000       | FULLY  | 2000                             |   |  |
|                        | MAHARAJPUR                           | 2500       | FULLY  | 2500                             |   |  |
|                        | PATAN                                | 3500       | FULLY  | 3500                             |   |  |
|                        | BOALDAH                              | 2500       | FULLY  | 2500                             | 2000  | THANGAPARA HIGH SCHOOL   |
|                        | THANGAPARA                           | 2500       | FULLY  | 2500                             |   | THANGAPARA HIGH SCHOOL   |

|             |              |       |        |       |      |  |
|-------------|--------------|-------|--------|-------|------|--|
|             | JALALPUR     | 2000  | FULLY  | 2000  |      | THANGAPARA HIGH SCHOOL   |
|             | MAHIPUR      | 2000  | FULLY  | 2000  | 2000 | MAHIPUR JR. SCHOOL   |
|             | PIRPAL       | 2000  | FULLY  | 2000  | 800  | NARAYAN JR. HIGH SCHOOL  |
|             | NARAYANPUR   | 3000  | FULLY  | 3000  |      | NARAYAN JR. HIGH SCHOOL  |
| BEL BAR I-I | BELBARI      | 13521 | FULLY  | 12000 | 800  | UTTAR BELBARI JR. H.S.   |
|             | JOYPUR       | 11352 | FULLY  | 12000 | 1200 | SAYRAPUR H.S.  |
| SUKDEVPUR   | ANANTAPUR    | 1200  | FULLY  | 1200  | 1200 | Anantapur F.P School & Others  |
|             | SINGFARKA    | 960   | FULLY  | 960   | 960  | Singfarka F.P School & Others  |
|             | Mallikpur    | 1600  | FULLY  | 1600  | 400  | HOSSAINPUR JR HS   |
|             | Hossainpur   | 3000  | FULLY  | 3000  |      |  |
|             | KANTABAN     | 1862  | FULLY  | 1862  | 400  | Hossainpur & Shalbari School   |
|             | Joydevpur    | 1542  | FULLY  | 1542  | 500  | Joydevpur F.P School & Health Centre   |
|             | Sukdevpur    | 7054  | FULLY  | 7054  | 3000 | GP Office , Tant Samity , Durga Mandir , Sukdevpur H.School , Bhagabanpara Temple , Putimari Templer , Begardhuri Temple |
|             | Jafarpur     | 1442  | FULLY  | 1442  | 300  | Ramkrishnapur Jr.School , Lebatala ,   |
|             | Bhoral       | 1726  | FULLY  | 1726  | 300  | Bhoral F.P School ,  |
|             | KANTATAIR    | 3282  | FULLY  | 3282  | 200  | Kantatair F.P School ,   |
|             | Debipur      | 22275 | FULLY  | 2275  | 300  | Debipur F.P School , nowdapara jr high school  |
|             | Pargaon      | 1531  | Partly | 521   | 400  | m.alipara hs, F.P School   |
| NANDANPUR   | Akchha       | 1427  | Fully  | 1427  | 600  | F.P school ,malipara hs  |
|             | Jadabbati(E) | 827   | Fully  | 827   | 0    | NO   |
|             | Jadabbati(W) | 630   | Fully  | 630   | 630  | Sayrapur flood rescue centre   |
|             | sayrapur     | 1338  | Fully  | 1338  | 1338 | Sayrapur flood rescue centre   |
|             | Tilna        | 1174  | Fully  | 1174  | 1000 | Bisrail H.S.   |
|             | Sahanali     | 862   | Fully  | 862   | 200  | Bisrail H.S.   |
|             | Hiranabati   | 580   | Fully  | 580   |      | Bisrail H.S.   |
|             | Bisrail      | 862   | Fully  | 862   |      | Bisrail H.S.   |
|             | Fatehnagar   | 1534  | Fully  | 1534  |      | Bisrail H.S.   |
|             | Korial       | 1838  | Fully  | 1838  | 300  | THANGAPARA HIGH SCHOOL   |
|             | Bhaktipur    | 1074  | Fully  | 1074  | 1074 | bikair sundar school , kalitola jr. h.s.   |
|             | Bikair       | 1515  | Fully  | 1515  | 1515 | sahabajpur flood rerscue centre  |
|             | hapania      | 618   | Fully  | 618   | 482  | sahabajpur flood rerscue centre  |
|             | radhanagar   | 1454  | Fully  | 1454  | 1225 | sahabajpur flood rerscue centre  |
|             | Ratanpur     | 981   | Fully  | 981   | 981  | sahabajpur flood rerscue centre  |
|             | nagan        | 667   | Fully  | 667   | 667  | sahabajpur flood rerscue centre  |
|             | Bajitpur     | 1476  | Fully  | 1476  | 1476 | sahabajpur flood rerscue centre  |
|             | patul        | 1167  | Fully  | 1167  | 500  | sahabajpur flood rerscue centre  |
|             | ranipur      | 1260  | Fully  | 1260  | 825  | sahabajpur flood rerscue centre  |
| CHALOON     | Sidlim       | 762   | Fully  | 705   | 705  | Sidlim Girja, Pransagar h.s.   |
|             | Chaloon      | 2908  | Fully  | 2615  | 2000 | Chaloon jr basic, chaloon adibasi fps, girja   |

|             |                  |      |        |      |      |  |
|-------------|------------------|------|--------|------|------|--|
| U D A X     | Mirjapur         | 2712 | Fully  | 2512 | 2000 | Mirjapur fps,mirjapur upper primary                        |
|             | Basudevapur      | 1368 | Fully  | 1276 | 1276 | SI office , ssk , church                                   |
|             | Shankarpur       | 1400 | Partly | 886  | 886  | Shankarpur fps , bharat sebasram                           |
|             | Mathurapur       | 1512 | Fully  | 1213 | 1213 | panchayat office , BPHC ,FPS                               |
|             | banihari         | 2762 | Partly | 1308 | 1308 | banihari hs  |
|             | Chaksree         | 1292 | Partly | 778  | 778  | chaksree fps , banihari hs                                 |
|             | katkihari        | 1216 | Partly | 1356 | 1356 | Madrasa , ssk  |
|             | sahara           | 2568 | Partly | 796  | 796  | Chaloon hs   |
|             | Janchi           | 1212 | Partly | 450  | 450  | Janchi fps ,chaloon hs                                     |
| UDAY        | ATASH            | 1131 | Partly | 242  | 242  | Atash FP School  |
|             | MOSTAFAPUR       | 1503 | Partly | 122  | 122  | Mostafapur SSK at Boropara                                 |
|             | BIRANAI          | 1147 | Partly | 145  | 145  | Mostafapur Sarat Ch. High School                           |
|             | NARASUNDARPA RA  | 1300 |        |      |      | FULBARI HS   |
|             | PARTIPARA        | 1716 |        |      |      | FULBARI HS   |
|             | NAKAIR W         | 1296 | PARTLY |      |      | FULBARI HS   |
|             | NAKAIR E         | 1256 |        |      |      | FULBARI HS   |
|             | FULBARI          | 1864 |        |      |      | FULBARI HS   |
|             | PALSA            | 1592 |        |      |      | FULBARI HS   |
|             | MOHANPUR         | 1402 |        |      | 2500 | FULBARI HS   |
|             | AUSHA            | 1101 | Partly | 378  | 378  | Ausha FP School  |
|             | PULINDA          | 1512 | Partly | 246  | 246  | Pulinda FP School  |
|             | UDAY             | 1481 | Partly | 150  | 150  | Uday Barmanpara North & Nailakuri.                         |
|             | PANCHAGRAM       | 2457 | Partly | 661  | 661  | Panchagram- Batpukur, Dighipara, Bagdhara SSK, Shiyalgaji. |
|             | SHIBPUR          | 1151 | Partly | 155  | 155  | Shibpur FP School  |
|             | JAGADISHPUR      | 1794 | Partly | 664  | 664  | Jagadishpur FP School, Llxmitala, Gambhiratala.            |
|             | CHALUNDA         | 1187 | Partly | 353  | 353  | Chalunda FP School & Madrasah.                             |
| ASHOKGRAM   | Shibokrishnapur  | 199  | Fully  | 199  | 199  | Shibokrishnapur fps  |
|             | Domutha faridpur | 3603 | Fully  | 3603 | 3603 | Domutha faridpur jr hs                                     |
|             | Garoya           | 491  | Fully  | 491  | 491  | Garoya fps   |
|             | Purba Bishnupur  | 1654 | Partly | 252  | 252  | Purba bishnupur fps  |
|             | Nilhari          | 477  | Fully  | 477  | 477  | Nilhari fps  |
|             | Nehemba          | 2837 | Fully  | 2837 | 2837 | Nehemba fps  |
|             | Bholanathpur     | 999  | Fully  | 999  | 999  | Jasrail ssk  |
|             | Gokulpur         | 2153 | Fully  | 2153 | 2153 | Gokulpur jr hs   |
| JAHANGIRPUR | KHOJAPUR         | 937  | Fully  | 937  |      | Jahangirpur hs   |
|             | dafarpur         | 998  | Fully  | 998  | 1500 | Jahangirpur hs   |
|             | kasba            | 1009 | Fully  | 1009 |      | Jahangirpur hs   |
|             | jahangirpur      | 2560 | partly | 1300 |      | Jahangirpur hs   |
|             | mahurkismat      | 3944 | Fully  | 3944 | 200  | Mahurkismat fps  |
|             | kashimpur        | 1105 | Fully  | 1105 | 200  | Kashimpur fps,shibmandir icds                              |
|             | ilamtoir         | 343  | Fully  | 343  | 200  | Jahangirpur hs   |

|                  |             |                     |       |        |       |       |   |
|------------------|-------------|---------------------|-------|--------|-------|-------|---|
| D<br>A<br>M<br>A | GANGARAMPUR | fayejpur            | 562   | Fully  | 562   | 200   | Panchayat office  |
|                  |             | hekendar            | 82    | Fully  | 82    |       | Panchayat office  |
|                  |             | srinathbati         | 781   | Fully  | 781   | 150   | Srinathbati fps   |
|                  |             | nehatair            | 503   | Fully  | 503   | 300   | Enayetpur ssk   |
|                  |             | enayetpur           | 587   | Fully  | 587   |       | Enayetpur ssk   |
|                  |             | tilchara            | 653   | Fully  | 653   | 600   | Panchayat office,surrounding office   |
|                  |             | sikarpur            | 285   | Fully  | 285   |       | Panchayat office,surrounding office   |
|                  |             | sekhmina            | 353   | Fully  | 353   |       | Panchayat office,surrounding office   |
|                  |             | damina              | 526   | Fully  | 526   | 100   | Damina fps  |
|                  |             | nandair             | 1227  | partly | 600   | 500   | Nandair ssk , nandair fps   |
|                  |             | keshabpur           | 2838  | partly | 1500  | 300   | Keshabpur fps   |
|                  |             | DURGAPUR            | 1907  | Fully  | 1907  | 200   | Durgapur fps, ssk ,msk  |
| D<br>A<br>M<br>A | GANGARAMPUR | BISHNUPUR           | 2153  | Fully  | 2153  | 200   | Gopalpur jr hish school   |
|                  |             | KAMARPUKUR          | 2099  | Fully  | 2099  | 1500  | Puratan gangarampur hs, kamarpukur fp   |
|                  |             | KAMALPUR            | 229   | Fully  | 229   | 200   | Saidpur fps   |
|                  |             | GOPALPUR            | 257   | Fully  | 257   | 200   | Gopalpur jr hs  |
|                  |             | PURANPARA           | 1416  | partly | 700   | 1500  | gmp bdo office  |
|                  |             | amgaon              | 919   | partly | 200   | 200   | Amgaon fps  |
|                  |             | sayedpur            | 1234  | partly | 300   | 300   | Sayedpur fps  |
|                  |             | naroi               | 1715  | partly | 300   | 300   | Naroi jr basic,main road  |
|                  |             | puratan gangarampur | 3000  | partly | 500   | 500   | Puratan gangarampur hs  |
|                  |             | chomuk              | 339   | partly |       | 150   | Chomuk fps  |
|                  |             | chalk jaykrishnapur | 229   | partly | 200   | 800   | Raghobpur hs, hostel,minority hostel  |
|                  |             | raghabpur           | 773   | partly | 500   |       | Raghobpur hs  |
|                  |             | gochier             | 1907  | Fully  |       | 200   | Gochier msk & fps   |
| D<br>A<br>M<br>A |             | ratanmala           | 2153  | Fully  |       | 1200  | Najrul sriti hs ,damdama gp,kishan mandi,damdama samity   |
|                  |             | ramchandrapur       | 2087  | partly | 800   | 400   | ssk ,puratan gangarampur hs   |
|                  |             | raghunathbati       | 1356  | partly | 700   | 300   | raghunathbati ssk , club  |
| D<br>A<br>M<br>A | BASURIA     | hamjapur            | 18700 | fully  | 15600 | 13500 | doulatpur jr hs,keshabpur fps,basuria sr. madrasa, sarbamangala hs,abeshkuri high madrasa,chakshibpur fps |
|                  |             | madhabpur           |       |        |       |       |   |
|                  |             | doulatpur           |       |        |       |       |   |
|                  |             | takipur             |       |        |       |       |   |
|                  |             | abidpur             |       |        |       |       |   |
|                  |             | paschim kashipur    |       |        |       |       |   |
|                  |             | damodarpur          |       |        |       |       |   |
|                  |             | keshabpur           |       |        |       |       |   |
|                  |             | mahakhair           |       |        |       |       |   |
|                  |             | antal               |       |        |       |       |   |
|                  |             | Toushi              |       |        |       |       |   |
|                  |             | Mushipukur          |       |        |       |       |   |
|                  |             | Ratinathpur         |       |        |       |       |   |
|                  |             | Kumargara           |       |        |       |       |   |
|                  |             | Belasthali          |       |        |       |       |   |
|                  |             | Chakshibpur         |       |        |       |       |   |
|                  |             | Lalchandrapur       |       |        |       |       |   |
|                  |             | Hariharpur          |       |        |       |       |   |
|                  |             | Bhadra              |       |        |       |       |   |
|                  |             | Taliapara           |       |        |       |       |   |
|                  |             | arajilalchandrapur  | 3950  | partly | 3100  | 2400  | Lalchandrapur fps, Basuria Sr Madrasa   |
|                  |             | uttar gopalpur      |       |        |       |       |   |
|                  |             | baikunthapur        |       |        |       |       |   |



**Plan to combat fire Accident:**

85% inhabitants of this block are living in thatched houses. The fire accident occurred frequently every year during the days i.e. in the month of March of May .

According to previous records the under noted villages are identified as vulnerable to fire accidents.

Details information to this effect is given below:

| Sl. No. | Name of Gram Panchayat | Name of villages vulnerable to fire accident  | Nearest Fire Station & Contact No. | Nearest Hospital & Contact No.                  | Nearest Electricity supply      |
|---------|------------------------|---|------------------------------------|---|---------------------------------|
| 1       | 1 No. Sukdevpur        | -   | -                                  | -   | -                               |
| 2       | 2No. Belbari (i)       | Belbari, Joypur   | Gangarampur<br>Ph- 03521-256800    | Gangarampur<br>SD Hospital,<br>Ph- 03521-255065 | Gangarampur<br>Ph- 03521-255040 |
| 3       | 3No Belbari (ii)       | Mahipur, Jalalpur, Patan, Narayanpur, Pirpal  | Gangarampur<br>Ph- 03521-256800    | Gangarampur<br>SD Hospital,<br>Ph- 03521-255065 | Gangarampur<br>Ph- 03521-255040 |
| 4       | Nandanpur              | Bajitpur, Patul, Radhanagar, Hapania, Bisrail , Sahanali, Ranipur, Jadab bati, Haripur  | Gangarampur<br>Ph- 03521-256800    | Gangarampur<br>SD Hospital,<br>Ph- 03521-255065 | Gangarampur<br>Ph- 03521-255040 |
| 5       | 5No. Damdama           | Barmanpara, Kasiapukur, Malopara, Ratanmala, Colony, Jagrati, Uttargachiyar, Dakshingachiyar, adibasipara, Dakshin Kaldighi para, Pukur para, school para, adibasi para, raghunathbati, adibasipara | Gangarampur<br>Ph- 03521-256800    | Gangarampur<br>SD Hospital,<br>Ph- 03521-255065 | Gangarampur<br>Ph- 03521-255040 |
| 6       | 6No. Gangarampur       | Puranpara, Durgapur, Bishnupur, Kamarpukur, Amgao, Saidpur, Puratan Gangarampur, Chamuk, Kamalpur, Narai, Rampur, Chakjoykrishnapur, Gopalpur.  | Gangarampur<br>Ph- 03521-256800    | Gangarampur<br>SD Hospital,<br>Ph- 03521-255065 | Gangarampur<br>Ph- 03521-255040 |

|    |                   |  |                                     |   |                                     |
|----|-------------------|--|-------------------------------------|---|-------------------------------------|
| 7  | 7 No. Jahangirpur | Ramebpur, Fayejpur<br>Hanitair, Dahapara,<br>Joyardapara,<br>Pachani, Kasikpur,<br>Rangamati,<br>Mohinipara, Srinath<br>bati, Sultanpur,<br>Nandair,<br>Jahangirpur, Kasba,<br>Khojapur. | Gangarampur<br>Ph- 03521-<br>256800 | Gangarampur<br>SD Hospital,<br>Ph- 03521-<br>255065 | Gangarampur<br>Ph- 03521-<br>255040 |
| 8  | 8 No. Basuria     | Basuri   | Gangarampur<br>Ph- 03521-<br>256800 | Gangarampur<br>SD Hospital,<br>Ph- 03521-<br>255065 | Gangarampur<br>Ph- 03521-<br>255040 |
| 9  | 9 No. Chaloan     | -  | -                                   | -   | -                                   |
| 10 | 10 No. Uday       | -  | -                                   | -   | -                                   |
| 11 | 11 No. Ashokgram  | Ashokgram  | Gangarampur<br>Ph- 03521-<br>256800 | Gangarampur<br>SD Hospital,<br>Ph- 03521-<br>255065 | Gangarampur<br>Ph- 03521-<br>255040 |

#### Plan to Combat Road accident:

The State Highway, PWD roads & PMGSY roads passes through the area of Gangarampur Block. The road accidents occur frequently round the year. Another Panchayat Samity & Zilla Parishad metal roads cover the whole block. The vulnerable areas are identified.

Detailed information are given below:-

| Sl. No. | Name of the Gram Panchayat | Road                                   | Constructed by the department | Vulnerable village                                   | Nearest Hospital            |
|---------|----------------------------|--|-------------------------------|--|-----------------------------|
| 1       | Sukdevpur                  | -                                      | -                             | -  | -                           |
| 2       | 2No. Belbari (i)           | Shibmandir to Kargil More              | ZP                            | Shibmandir, Lakshitola, Goalpara, Guriapara, Belbari | Gmp. SD Hospital 9. K.M     |
|         |                            | Uttar Belbari to D. Joypur Post Office | PMGSY                         | Belbari, D. Joypur, Sayrapur                         |                             |
| 3       | 3No. Belbari (ii)          | Kalitola to Narayanpur                 | ZP                            | Narayanpur   | Gmp. SD Hospital 6. K.M     |
|         |                            | Maharajpur to Sukdevpur                | PMGSY                         | Maharajpur, Patan, Malipara                          |                             |
| 4       | 4 No. Nandanpur            | Hapunia to Patul                       | PWD                           | Hapunia, Radahnagar, Ratanpur, Hasanpur              | Gmp. SD Hospital 10 K.M.    |
|         |                            | Ratanpur to Bisrail                    | ZP                            |  | Gmp. SD Hospital 12 K.M.    |
| 5       | 5No. Damdama               | Kaldighi bottola to Gachiar            | PWD                           | Raghunathbati, Ratanmala, Gachiar                    | Gmp. SD Hospital 02-03 K.M. |
|         |                            | Kaldighi battola to Puratan Gmp.       | PMGSY                         | Raghunathbati, Ashinpara, Ramchandarapur             |                             |
|         |                            | Dhaldighi to Kaldighi Dakshin          | PMGSY                         | Ramchandrapur  |                             |
|         |                            | Kaldighi to Ratanmala                  | PMGSY                         | Raghunathbati,                                       |                             |

|    |                   |  |                |  |                             |
|----|-------------------|--|----------------|--|-----------------------------|
|    |                   | School                                 |                | Ratanmala  |                             |
| 6  | 6 No. Gangarampur | Durgapur Sashan to Nayabazar More      | PWD            | Durgapur   | Gmp. SD Hospital 5 K.M.     |
|    |                   | Nayabazar More to Nishani              | PWD            | Gopalpur, Sayedpur   | Gmp. SD Hospital 7 K.M.     |
|    |                   | Nayabazar Nabin Sangha to Puratan Gmp. | ZP             | Gopalpur, Amgaon , Puratan, Gmp.   | Gmp. SD Hospital 8 K.M.     |
|    |                   | Kamalpur to Naroi                      | PWD            | Kamalpur, Naroi  | Gmp. SD Hospital 6 K.M.     |
| 7  | 7 No. Jahangirpur | Baula more to Samla more               | PMGSY          | Nandair, Sultanpur, Kharpa Baula   | Gmp. SD Hospital            |
|    |                   |  | PMGSY          | Champatali Jahangirpur, Dhapara, Kashimpur, Mahurkismet, Keshabpur                                     |                             |
| 8  | 8 No. Basuria     | Chamtali to Pransagar                  | ZP             | Takipur, Hamjapur, Daulatpur, Latkeshabpur, Lalchandrapur, Damanar, Basuria, Ratinathpur, Tousi, Antal | Sarbamongala PHC (3 K.M.)   |
| 9  | 9No. Chaloon      |  |                |  |                             |
| 10 | 10 No. Uday       | Fulbari Bus Stand to Station           | Zilla Parisad  | Fulbari, Nakoir  | Gmp. SD Hospital 10-18 K.M. |
|    |                   | Raghunathpur to Deodhara               | State High Way | Raghunathpur, Partipara, Najirpur, Mohanpur, Khatiabandha  |                             |
|    |                   | Fulbari to towards Kumarganj           | PWD            | Fulbari, Narasubdrapara, Durgaramchak, Atash, Mostafapur   |                             |
| 11 | 11No. Ashokgram   | Fulbari to Kumarganj                   | PWD            | Domutha Chkhar Anclahar Naroil, Chandura, Purba Bishnupur  | Gmp. SD Hospital 10 K.M.    |
|    |                   | Berapukur to Sitahar                   | ZP             | Rampur, Ashokgram, Maheshpur, Udhura, Raishali, Gokulpur, Srirampur                                    |                             |

#### **FLOOD SHELTERS:-**

List of existing specially designed flood shelters of Gangarampur Block

| Sl. No. | Name                    | Location                        | Area covered for shelter                           |
|---------|-------------------------|---------------------------------|--|
| 1.      | Sayrapur K.M. Vidyapith | 4. No. Nandanpur Gram Panchayat | Sayrapur, Jadavbati, Hiranyabati, Burinagar, Tilna |

|    |  |                                   |   |
|----|--|-----------------------------------|---|
| 2. | Kasba F.P. School premises   | 7. No. Jahangirpur Gram Panchayat | Jahangirpur, Kasba  |
| 3  | Sahabajpur Mouja (New Flood Shelter)   | 4. No. Nandanpur Gram Panchayat   | HaripurGaneshpara,Singrail,Ratanpur,Radhanagar,Sahanali,Sadipur,Bisrail,Hiranyabati,Nagan,Hapania,Patul,Jalapur,Tilna,Burinagar,Nandanpur,Bikair. |
| 4  | Nimpukur Pakurtala, Plot No. 2346,2347,2348, Mouza Kathalhat Hossenpur, JL No. 28 area-84 Shatak | Sukdevpur GP                      | Amount Sanctioned Rs. 6000000. Ist Installment amount received : Rs. 3047000  |

### Preparedness Measures:-

Disaster causes sudden disruption to the normal life of society and causes damage to the properties and lives to such an extent that normal social and economic mechanism available to the society get disturbed. Those who are unaware and unprepared generally get affected more due to their lack of knowledge and physiological pressure. Hitherto, the approach towards coping the effects of disasters has been post-disaster management, involving many problems related to law and order, evacuation, communications, search and rescue, fire-fighting, medical and psychiatric assistance, provisions of relief and shelters etc. After initial trauma next phase starts with long-term reconstruction planning which takes about 5 to 6 years to normalize the life-style in a particular area.

Administrative preparedness is hence very important issue which helps in reducing relief and response time in a disaster situation. Preparedness plan is based on below-given components:-

- ☐ Operation readiness of facilities, equipments and stores in advance
- ☐ Maintaining response inventory of equipments and materials required for response
- ☐ Assignment of responsibilities to agencies and organizations
- ☐ Management training of crisis group members, desk officers and officers of respective departments likely to be assigned management duties.
- ☐ Specialized trainings of disaster committee members, officials, community organizations through seminars and workshop
- ☐ Training of taskforces
- ☐ Raising community awareness
- ☐ Improving response mechanism through conducting practice drills etc
- ☐ Annual updating of Block and community level plans

**several vulnerable points of gangarampur block due to flood-which in turn help to create awareness and preparedness.**

The details is below:-

| Sl. No. | Name of the G.P   | Name of River | Name of extremely vulnerable Villages.   | Population of the village (Appr.)  | Name of Partly vulnerable Villages   | Population of the Villages (Approx)   |
|---------|-------------------|---------------|--|--|--|---|
| (1)     | (2)               | (3)           | (4)  | (5)  | (6)  | (7)   |
| 1       | Sukdevpur         | Punarbhaba    | Anantapur<br>Kantabari<br>Nalaforka<br>Singforka<br>Mallikpur<br>Kanthalhat<br>Hossenpur<br>Kantatair<br>Devipur<br>Khayerban<br>Bhoral<br>Noadapara<br>Akchha | 1154<br>-<br>320<br>1215<br>1804<br>-<br>4068<br>3017<br>2240<br>254<br>1232<br>401<br>905 | Pargaon Haripur<br>Jaydevpur<br>Jafarpur<br>Ramkrishnapur<br>-<br>Sukdevpur<br>-<br>-<br>-<br>-<br>- | <b>1478</b><br><b>667</b><br><b>1253</b><br><b>782</b><br><b>445</b><br><b>-</b><br><b>5114</b><br><b>-</b><br><b>-</b><br><b>-</b><br><b>-</b><br><b>-</b> |
| 2       | 2 No. Belbari-(i) | Brahamoni     | Belbari<br>Shibrampur<br>Damadarpur<br>Mushitukur<br>Uttar Gopalpur<br>Madhabpur   | 7216<br>1217<br>850<br>1800<br>536<br>945  | Jaypur   | 7926  |
| 3       | Damdama           | -             |  |  |  |   |
|         |                   |               | Ratanmala  | 2153   | Raghunathbati  | 1356  |
| 4       | Gangarampur       | Punarbhaba    | Durgapur   | 2099   | Puranpara  | 1416  |
|         |                   |               | Bishnupur  | 229  | Amgaon   | 919   |
|         |                   |               | Kamarpukur   | 257  | Sayedpur   | 1234  |
|         |                   |               | Kamalpur   | 117  | Naroi  | 1715  |
|         |                   |               | Gopalpur   | 7013   | Puratan Gmp.   | -   |
|         |                   |               |  | -  | Chomuk   | 339   |
|         |                   |               |  | -  | Chalk<br>Jaykrishnapur   | 229   |
|         |                   |               |  | -  | Raghabpur  | 773   |
|         |                   |               |  | -  | Gopalpur   | 7013  |
| 5       | Jahangirpur       | Punarbhaba    | Khojapur   | 937  | Nandair  | 1227  |
|         |                   |               | Dafarpur   | 998  | Jahangirpur  | 2560  |
|         |                   |               | Kasba  | 1009   | Keshabpur  | 2838  |
|         |                   |               | Jahangirpur  | 2560   | Nehatair   | 503   |
|         |                   |               | Mahurkismat  | 3944   | -  | -   |
|         |                   |               | Kashimpur  | 1105   | -  | -   |
|         |                   |               | Ilamtair   | 343  | -  | -   |
|         |                   |               | Enayetpur  | 587  |  |   |
|         |                   |               | Nandair  | 1727   |  |   |
|         |                   |               | Fayezpur   | 562  |  |   |
|         |                   |               | Hekendor   | 82   |  |   |
|         |                   |               |  |  |  |   |
| 6       | Basuria           | Punarbhab     | Damadarpur   | 1400   | Kumargara  | 675   |
|         |                   |               | Lat Chakshibpur  | 2300   | Basuria  | 2440  |
|         |                   |               | Harishpur  | 226  | Damahar  | 748   |
|         |                   |               | Toushi   | 917  | U. Gopalpur  | 175   |
|         |                   |               | Antal  | 507  | Dalchandrapur  | 1319  |

|   |           |                      |                   |      |                     |      |
|---|-----------|----------------------|-------------------|------|---------------------|------|
|   |           |                      | Ratinathpur       | 1517 | Brahamanpara        | 150  |
|   |           |                      | Hariharpur        | 1093 | Baikunthapur        | 1245 |
|   |           |                      | Mohakhair         | 283  | Latkeshabpur        | 1374 |
|   |           |                      | Bhadra            | 913  | -                   | -    |
|   |           |                      | Hamjapur          | 782  | -                   | -    |
|   |           |                      | Abidpur           | 232  | -                   | -    |
|   |           |                      | Pachim Kaswhipur  | 178  | -                   | -    |
|   |           |                      | Daulatpur         | 778  | -                   | -    |
|   |           |                      | Madhabpur         | 1712 | -                   | -    |
|   |           |                      | Takipur           | 997  | -                   | -    |
|   |           |                      | Belasthali        | 2100 | -                   | -    |
| 7 | Chaloon   | Kashiari Khari       | Sidlim            | 737  | Kurumsur            | 2523 |
|   |           |                      | Samra             | 389  | Chaloon             | 2526 |
|   |           |                      | Chakshree(Nitpur) | 405  | Kotkihari           | 640  |
|   |           |                      | Nitpur            | 600  | Chhilimpur          | 750  |
|   |           |                      | Parbatipur        | 799  | Madhya Raghunathpur | 641  |
|   |           |                      | Basudevpur        | 776  | Banihari            | 1103 |
|   |           |                      | Taraju            | 147  | Kunail              | 647  |
|   |           |                      | Mathurapur        | 1321 | Sankarpur           | 811  |
|   |           |                      | Mirjapur          | 782  | Sahara              | 2377 |
| 8 | Uday      | Kashiari Khari       | Biranoi           | 746  | Durgaramchak        | 3603 |
|   |           |                      | Mahendri          | 209  | Pulinda             | 1512 |
|   |           |                      | Panchagram        | 1707 | Bhuihara            | 464  |
|   |           |                      | Uday              | 1481 | Chandipara          | 316  |
|   |           |                      | Ausha             | 892  | -                   | -    |
|   |           | Jadu Khari           | Atash             | 1381 | Mostafapur          | 1874 |
|   |           | Baul Khari           | Jagadishpur       | 1794 | -                   | -    |
|   |           |                      | Chalunda          | 1187 | Bhuihara            | -    |
|   |           |                      | Shibpur           | 1151 | -                   | -    |
| 9 | Ashokgram | Punarbhaba & Atrayee | Garoa             | 491  | Purba Bishnupur     | 1654 |
|   |           |                      | Shivakrishna pur  | 199  | Domutha faridpur    | 3603 |
|   |           |                      | Nilhari           | 477  | Ashokgram           | 2630 |
|   |           |                      | Karil             | 349  | -                   | -    |
|   |           |                      | Bhabanipur        | 333  | -                   | -    |

#### Capacity Building and Training Measures :-

One of the main features of the Disaster Management Plan is the training to all the personnel identified in the emergency organisation as well as bringing about awareness in the general public who may be affected by any disaster. The functional responsibilities of various key personnel as well as functions in the emergency is very important to combat the aftermath of any disaster. Extensive planning will be effective only if people are properly trained in all aspects of the plan, the role in its implementation, and how the tasks are to

be co-ordinated. The development and conduct of a training program for the emergency organisation is vital to emergency preparedness. Volunteers and social organizations also play a vital role in spreading mass scale community awareness. Media can also play an important role in raising awareness and educating people.

### **Conducting of Mock Drills:**

As per Section 30 (2) (xi) of DM Act 2005, the District Authority shall review the preparedness measures & give directions to the concerned departments at the district level or other concerned authorities where necessary for bringing the preparedness measures to the levels required for responding effectively to any disaster or threatening disaster situation. Thereon, complying the acts& rules, each year a Mock Drill (training) is organized at Gangarampur Development Block to aware the common people about any uncertain disaster/situation .

In this regard ,the preventive measures are also being taken to mitigate such occurrences .The approach for conducting a mock-drill varies as per the complexity of scenario depending upon the potential hazards, response system of the institution and the target community. Therefore, to ensure proper implementation of a drill programme, roles and responsibilities (SOPs) of the concerned personnel, departments, corporate bodies, stakeholders, and mechanisms for conducting the drill should be delineated clearly.

### **Plan maintenance:**

As emphasised earlier, an emergency preparedness program must be dynamic, with the contingency plan maintained as a living document. This means continual updating and revision. Some of the important aspects are:

- ☐ regular review period
- ☐ record of amendments and changes
- ☐ "where to report changes" notice
- ☐ current distribution list of plan holders .Mock Drill Pictures

### **Response and Relief Measures :-**

The need for an effective disaster management strategy is to lessen disaster impact which can be achieved through strengthening and reorienting existing organizational and administrative structure from Block-District – State-National level. The emergency response plan is a first attempt to follow a multi-hazard approach to bring out all the disasters on a single platform and incorporates the ‘culture of quick response’.

### **Reconstruction, Rehabilitation and Recovery Measures:-**

**Rehabilitation:** Refers to the actions taken in the aftermath of a disaster to enable basic services to resume functioning, assist victims’ self-help efforts to repair physical damage and community facilities, revive economic activities and provide support for the psychological and social well being of the survivors. It focuses on enabling the affected population to resume more-or-less normal (pre-disaster) patterns of life.

**Reconstruction:** Refers to the full restoration of all services, and local infrastructure, replacement of damaged physical structures, the revitalization of economy and the restoration of social and cultural life. Reconstruction must be fully integrated into long-term development plans, taking into account future disaster risks and possibilities to reduce such risks by incorporating appropriate measures. During the devastating Flood in Gangarampur Block houses, schools , roads,public properties,livestocks had been affected severely

### **Holistic Report of Damages :-**

| Area of Inundation | Crop damage  | Livestock damage | Loss of Domestic Animal | Infrastructure damagers   | Loss of Human Lives |
|--------------------|--------------|------------------|-------------------------|---|---------------------|
| 205 Sq. Kmetre     | 22287 Hectre | 11,200 Chicks    | 11,200 Chicks           | <b>House Damages:-</b>  | 08 NOS.             |
|                    |              | 10,230 Ducks     | 10,230 Ducks            | Fully=8165 , Severely=4366  |                     |
|                    |              | 12 Cattle        | 12 Cattle               | Partly=9463   |                     |
|                    |              | 40 Goats         | 40 Goats                | <b>SSk:-</b>  |                     |
|                    |              |                  |                         | Severely=24 & Partly=36   |                     |
|                    |              |                  |                         | <b>MSK:-</b>  |                     |
|                    |              |                  |                         | Severely=01 &Partly=01  |                     |
|                    |              |                  |                         | <b>AWC:-</b>  |                     |
|                    |              |                  |                         | Fully=03 & Partly=24  |                     |
|                    |              |                  |                         | <b>Damaged Roads Length(km):</b><br>243.218 Km. (including metal,Semimetal &kuccha) |                     |

### **AGRI CULTURE AND MGNREGA CONVERGENCE PLAN**

| Sl No | Name of the Scheme   | GP Name | Sansad Name | Length   | Amount in Lakh |
|-------|--|---------|-------------|----------|----------------|
| 1     | Construction of Cheek Dam on Kahari                            | Chaloon | Challon     | 1 Km     | 2.444600       |
| 2     | Construction of Cheek Dam on Sidlim Mouza                      | Challon | Sidlim      | 1 Km     | 2.444600       |
| 3     | Construction of Cheek Dam on Sahara Mouza                      | Challon | Sahara      | 1 Km     | 2.444600       |
| 4     | Construction of Cheek Dam on Mirzapur                          | Challon | Mirzapur    | 1 Km     | 2.444600       |
| 5     | Construction of Cheek Dam on Banihari Mouza                    | Challon | Banihari    | 1 Km     | 2.444600       |
| 6     | Construction of Cheek Dam on Sankarpur                         | Challon | Basudebpur  | 1 Km     | 2.444600       |
| 7     | Construction of Cheek Dam on Janchi Mouza                      | Challon | Janchi      | 1 Km     | 2.444600       |
| 8     | Embankment of Canal with Cheek dam at Biranoi                  | Uday    | Biranai     | 700 mtr. | 1.832600       |
| 9     | Embankment of Canal with Cheek dam at Pulinda                  | Uday    | Pulinda     | 700 mtr. | 1.928000       |
| 10    | Embankment of Canal with Cheek dam at Mahendri Kashihari Khari | Uday    | Ausha       | 700 mtr. | 1.928000       |
| 11    | Embankment of Canal with Cheek dam at Ausha Kashihari Khari    | Uday    | Ausha       | 700 mtr. | 1.832600       |



### Procedure And Methodology For Monitoring, Evaluation, Updating And Maintenance Of BDMP:-

Proper monitoring and evaluation of the BDMP the BDMP is monitor and evaluated in every mock drill programme . The preparedness and achievement of all the lien Dept. / stake holders are tested. Disasters are always unexpected. Each disaster causes huge loss of human lives, live stocks and property as well. It is said that, every disaster repeats after a particular interval. Also lessons learnt from a particular disaster will help to plan for another potential hazard.

| Sl No | NBDD/RIDF     | Block        | Name of GP   | Location         | Amount       | 2016-2017 | 2017-2018 | Name of ICDS Centre    | Current Status   |
|-------|---------------|--------------|--------------|------------------|--------------|-----------|-----------|------------------------|------------------|
| 1     | SW+MGNR EGA   | GANGARA MPUR | CHALON       | PARBATI PUR      | Rs. 700000/- | 2016-2017 | .....     | PARBATIPUR             | 10% completed    |
| 2     | SW+MGNR EGA   | GANGARA MPUR | GANGA RAMPUR | NIRSANI          | Rs. 700000/- | 2016-2017 | .....     | NIRSANI                | 20% completed    |
| 3     | SW+MGNR EGA   | GANGARA MPUR | CHALON       | JANCHI           | Rs. 700000/- |           | 2017-2018 | JANCHI                 | only layout done |
| 4     | SW+MGNR EGA   | GANGARA MPUR | CHALON       | BASUDE BPUR      | Rs. 700000/- |           | 2017-2018 | BASUDEBPUR             | 10% completed    |
| 5     | SW+MGNR EGA   | GANGARA MPUR | NANDANPUR    | SAYRAPUR         | Rs. 700000/- |           | 2017-2018 | SAYRAPUR               | 100% completed   |
| 6     | BCW+MGN REGA  | GANGARA MPUR | UDAY         | NARASUN DAR PARA | Rs. 953474/- | .....     | 2017-2018 | NARASUNDAR PARA        | 92% completed    |
| 7     | BCW+MGN REGA  | GANGARA MPUR | UDAY         | BIRANOI          | Rs. 953474/- | .....     | 2017-2018 | BIRANOI                | 90% completed    |
| 8     | BCW+MGN REGA  | GANGARA MPUR | BASURIA      | KAJOLTOIR        | Rs. 953474/- | .....     | 2017-2018 | KAJOLTOIR ADIBASHIPARA | 92% completed    |
| 9     | BCW+MGN REGA  | GANGARA MPUR | SUKDEV PUR   | BIJIMORE         | Rs. 953474/- | .....     | 2017-2018 | BIJIMORE               | 100% completed   |
| 10    | BCW+MGN REGA  | GANGARA MPUR | GANGA RAMPUR | NAROI            | Rs. 953474/- | .....     | 2017-2018 | NAROI SCHOOL PARA      | 75% completed    |
| 11    | BCW+MGN REGA  | GANGARA MPUR | BELBARI-II   | PATAN            | Rs. 953474/- | .....     | 2017-2018 | PATAN                  | 100% COMPLETED   |
| 12    | BCW+MGN REGA  | GANGARA MPUR | CHALON       | CHALON           | Rs. 953474/- | .....     | 2017-2018 | CHALON ADIBASHIPARA    | 20% COMPLETED    |
| 13    | NBDD+MG NREGA | GANGARA MPUR | JAHANGIRPUR  | NANDOI R         | 817000/-     | .....     | 2017-2018 | NANDOI R               | 78% completed    |
| 14    | NBDD+MG NREGA | GANGARA MPUR | JAHANGIRPUR  | NANDOI R         | 817000/-     | .....     | 2017-2018 | NANDOI R ADIBASIPARA   | 100% completed   |
| 15    | NBDD+MG NREGA | GANGARA MPUR | BASURIA      | DAMAHAR          | 817000/-     | .....     | 2017-2018 | DAMAHAR                | 98% completed    |
| 16    | NBDD+MG NREGA | GANGARA MPUR | BASURIA      | BASURIA          | 817000/-     | .....     | 2017-2018 | BASURIA                | 100% completed   |
| 17    | NBDD+MG NREGA | GANGARA MPUR | BASURIA      | BELOSTHALI       | 817000/-     | .....     | 2017-2018 | BELOSTHALI             | 100% completed   |
| 18    | NBDD+MG NREGA | GANGARA MPUR | SUKDEV PUR   | KATABON          | 817000/-     | .....     | 2017-2018 | KATABON                | 100% completed   |
| 19    | NBDD+MG NREGA | GANGARA MPUR | JHANGIRPUR   | SULTANPUR        | 817000/-     | .....     | 2017-2018 | SULTANPUR              | 100% completed   |
| 20    | NBDD+MG NREGA | GANGARA MPUR | BASURIA      | DAMODARPUR       | 817000/-     | .....     | 2017-2018 | DAMODARPUR             | 100% completed   |
| 21    | NBDD+MG NREGA | GANGARA MPUR | ASHOKGRAM    | RAMPUR           | 817000/-     | .....     | 2017-2018 | RAMPUR                 | 100% completed   |

**Coordination Mechanism for Implementation of BDMP:-**

Every department/NGOs/Police Stations/Fire Brigades/Boat owners are inter linked with each other to assist the people .

| Sl. No | Name of the Gram Panchayat | Name of the Boat Owners   | Size                       | Cont. No.                                   | Name of the Tractor Owners |
|--------|----------------------------|---|----------------------------|---|----------------------------|
| 1      | 1 No. Sukdevpur            | 1.Subodh Sarkar,Vil-Debipur<br>2.Arun Roy Vill-Singgorka<br>3.Amit Mondal, Vill-Katatair  |                            | 9647496620<br>8348067487<br>9775871895      | -                          |
| 2      | 2 No. Belbari (i)          | Subrata Paul S/o Ratan Paul Vill- Uttar Belbari<br>1.Brindaban Roy, S/O- Sanju Roy, ViLL- Uttar Joypur.<br>2. Raja Chanda ,S/O-Gopal . Vill- D. Joypur<br>3.Ananda Sarkar S/O- Sunil, Vill- Joypur. | 16'-7'<br>18'*7'<br>18'*7' | -<br>9851126215<br>9733454638<br>9832307506 | Sudhir Ghosh, Narayanpur.  |
| 3      | 3 No. Belbari (ii)         | Kartik Halder, S/O-Badal Vill-Maharajpur  | 18'                        | 993240601                                   | Asesh Ghosh Narayanpur.    |
|        |                            | Kanai Halder S/O-Raghu Vill-Maharajpur  | 20'                        | 8759815307                                  | Gobinda Ghosh Narayanpur.  |
|        |                            | Jitu Sarkar, S/O-Mohan Vill-Maharajpur  | 15'                        | 9932420601                                  | Dilip Ghosh Narayanpur.    |
| 4      | 4 No. Nandanpur            | Dulali Mondal W/o Chaitany Mondal Vill- Hiranyabati   | 6'x20'                     | 9932215847                                  | -                          |
|        |                            | Ganesh Choudhury S/o Dubariram Choudhury Vill- Zadabbati  | 6'x30'                     | 933326129                                   | -                          |
| 5      | 5 No. Damdama              | Jogen Barman , Ratanmala  | 12'x4                      |   | Pradip Barman              |
| 6      | 6 No. Gangarampur          | Ananda Saha Gopal Khari   | -                          |   | Goutam Das Gopalpur        |
|        |                            |   |                            |   | Nayan Karmakar Gopalpur    |
| 7      | 7 No. Jahangirpur          | Gour Das S/o Ganesh Das Vill- Dapharpur   | 15'x8'                     |   | Chaitan Das Dafarpur.      |
|        |                            | Subhash Das S/o Sudhir Das Vill- Mahurkishmat   | 15'x8'                     |   | Kader Mia Mahurkishmat     |
|        |                            | Teanra Sarkar S/o Amulya Sarkar Vill- Keshbpur  | 15'x8'                     |   | Chandan Ray Dafarpur       |
| 8      | 8 No. Basuria              | -   | -                          | -   | Akbar Ali Danipara         |
|        |                            | -   | -                          | -   | Taleb Mia Danipara         |
| 9      | 9 No. Chaloon              | -   | -                          | -   | Faijur Rahaman Madhurapur  |
|        |                            | -   | -                          | -   | Nabab Ali Kurumsur         |
|        |                            | -   | -                          | -   | Emajuddin Mia Banshihari   |
| 10     | 10 No. Uday                | Pradip De Vill- Uday P.o. Panchagram  | 10'x4'                     | -   | Jevier Lakra Panchagram    |
|        |                            | Bidhan Sharma Ray Vill- Uday P.o. Panchagram  | 10'x4'                     | -   | Tofajjal Mondal Panchagram |
|        |                            | Majidur Rahaman Vill- Chandi Para P.o. Panchagram   | 12'x4'                     | -   | Afijuddin Mia Uday         |
| 11     | 11 No. Ashokgram           | Bablu Mia Vill-Doumutha – Faridpur.   | -                          | -   | Lutfar Ali Chandura        |
|        |                            | Sahajad Ali , Vill-Raypur   | -                          | -   | Sakla Soren Ashokgram      |

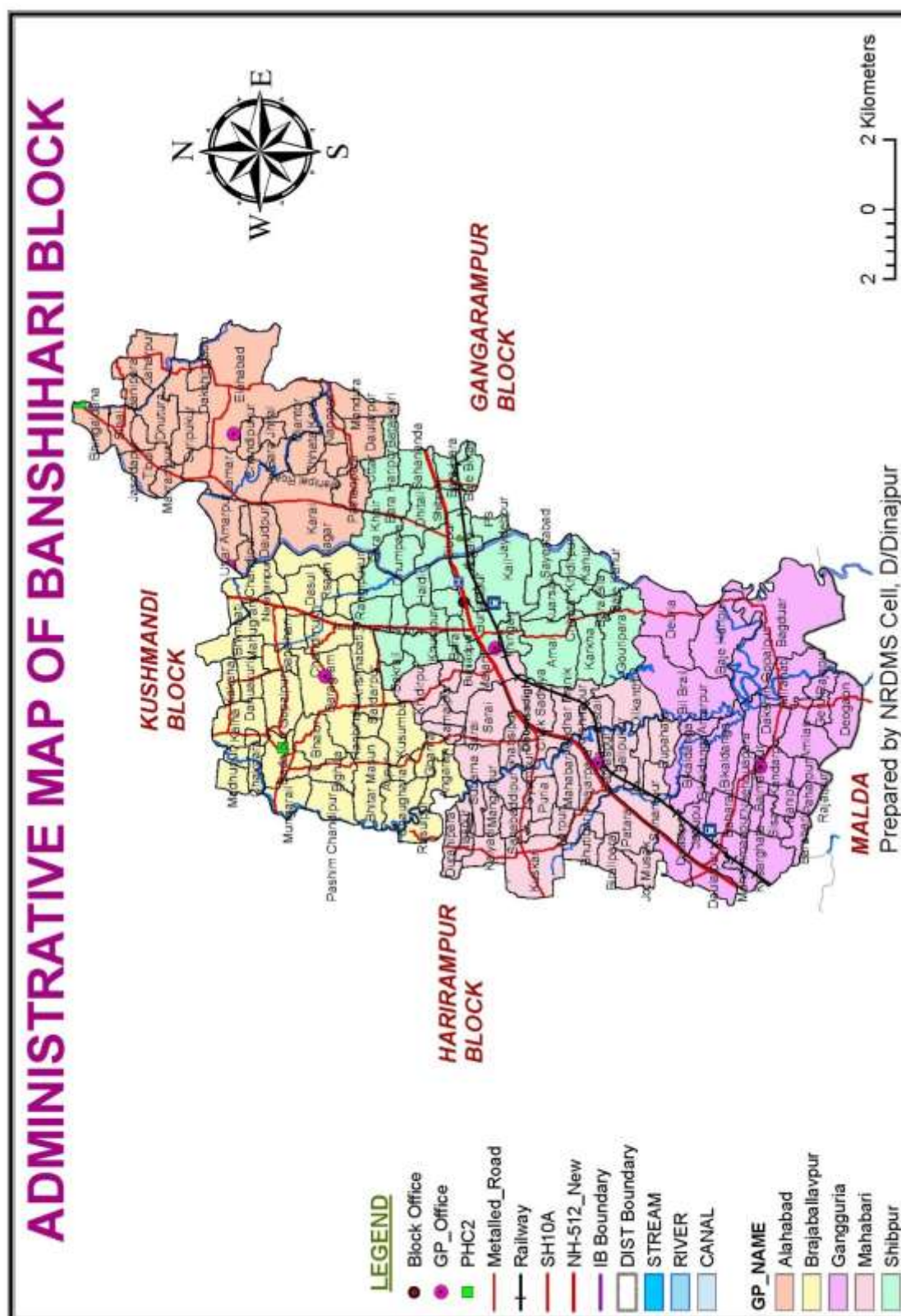
**List of N.G.O's & Club:**

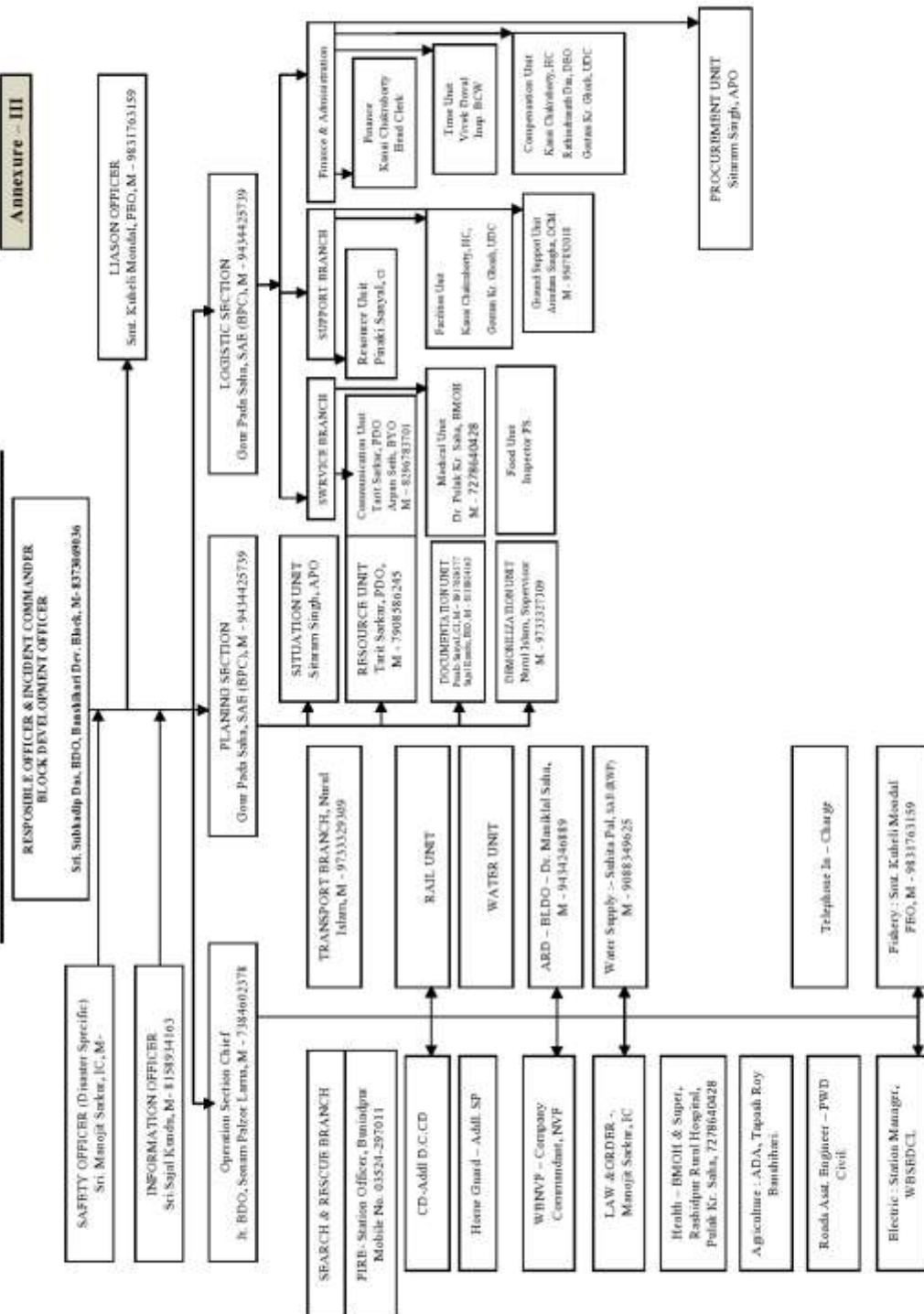
| Sl. No. | Name of the Gram Panchayat | Name of the N.G.O/Club.  | Name of the Secretary President of the N.G.O/ Club. | Cont. No.  |
|---------|----------------------------|--|---|------------|
| 1       | Sukdevpur                  | Birsing Club, Singforka  | Hopan Hasda, Singforka.                             | -          |
|         |                            | Provati Sangha, Katatair   | Amit Mondal, U. Katatair                            | -          |
|         |                            | Ujjal Akadash, Katatair  | Prollad Sarkar, D. Katatair.                        | -          |
|         |                            | Sabuj Sangha, Sukdevpur  | Nanda Gopal Ghosh, Sukdevpur                        | -          |
| 2       | 2No. Belbari (i)           | -  | -   | -          |
| 3       | 3No Belbari (ii)           | Jalanta Agni Sangha  | Sudhir Ghosh  | -          |
|         |                            | Pratidan Sangha  | Ujjal Sarkar  | -          |
| 4       | Nandanpur                  | -  | -   | -          |
| 5       | Damdama                    | Gram Udyag   | -   | -          |
|         |                            | Pally Unnyan Sangha  | Ananda Das  | 9734127561 |
|         |                            | Padatik Club   | Gafur Ali Sarkar                                    | 9733261687 |
| 6       | Gangarampur                | Agrani Sporting Club   | Dilip Kr. Das                                       |            |
| 7       | Jahangirpur                | Rudra Sangha   | Kanu Chakraborty                                    |            |
|         |                            | Nataji Sporting Club   | Swadhin Roy   |            |
|         |                            | Vebekananda Sporting Club  | Mantu Roy   |            |
|         |                            | Pally Unnyan Sangha  | Hemanta Das   |            |
| 8       | Basuria                    | Bidyut Pathagar  | Bablu Sarkar  |            |
|         |                            | Mitali Club  | Osman Ali   |            |
|         |                            | Uday Sangha  | Leyakat Ali   |            |
| 9       | Chaloon                    | Banihari Juba Sakti  | Kaushik Nandi                                       |            |
|         |                            | Sankarpur Adibashi Kalyan Sangha                                   | Suben Kerketa                                       |            |
|         |                            | Mirjapur Juba Sangha   | Saharul Alam  |            |
|         |                            | Kurumsur Pritilata   | Emtajul Haque                                       |            |
|         |                            | Sidlim Adibashi Juba Sangha  | Mangal Tirki  |            |
|         |                            | Nabin Sangha   | Som Nath Majumder                                   |            |
| 10      | Uday                       | Panchagram Deshari Welfare.  | Madhab Ch. Barman                                   |            |
|         |                            | Uday Udayan Sangah   | Palash Barman                                       |            |
|         |                            | Mostafapur S.K.U.S. Ltd.   | Mafijuddin Molla                                    |            |
| 11      |                            | Gangarampur Disha Welfare Society, Reg. No – S/IL/82453            | Basudev Gope  | 9933046688 |
| 12      |                            | Gangrampur Prochesta , Reg. No- S/IL/98413                         | Supriyo Ghosh                                       | 9851928952 |
| 13      |                            | Thangapara Rural Development & Health Society, Reg. No- S/IL/26125 | Ashit Malakar                                       | 9932168648 |
| 14      |                            | Gangarampur Path Maker, Reg. No- S/1L/39533                        | Subrata Roy   | 9563421649 |
| 15      |                            | Uttar Narayanpur Gramin Mahila Unnyan Samity, Reg. No- S/1L/64700  | Samir Churnakar                                     | 9733318180 |
| 16      |                            | Sarbamangala Sadvabana Sechhasebi Society, Reg. No- S/1L/78325     | Pijanu Miah   | 9775484935 |

| SL. NO | NAME OF CDV       | FATHER'S NAME        | Address    | DOB        | CONTACT NO. |
|--------|-------------------|----------------------|------------|------------|-------------|
| 1      | Bapi Mohanta      | Gopal Mohanta        | Fulbari    | 16.02.1990 | 9851998024  |
| 2      | Tapan Basak       | Tarapada Basak       | Nakair     | 29.09.1980 | 9614655148  |
| 3      | Ramanath Karmakar | Rambilash Karmakar   | Fulbari    | 16.03.1988 | 7384535326  |
| 4      | Shibabrata Basak  | Shiben Basak         | Nakair     | 26.04.1990 | 9932265093  |
| 5      | Rajib Barman      | Ramendra nath Barman | Fulbari    | 25.06.1990 | 9851446262  |
| 6      | Rana Das          | Chanchal Das         | Fulbari    | 21.04.1990 | 9614421398  |
| 7      | Ashis Kabiraj     | Atul Kabiraj         | Tilna      | 16.05.1990 | 9733273529  |
| 8      | Sumanta Roy       | Brojesh Roy          | Durgapur   | 25.04.1992 | 9564646251  |
| 9      | Dhananjay Barman  | Prakrishna Barman    | Tilna      | 06.06.1989 | 9775997834  |
| 10     | Jyotish Mandal    | Kritish Ch. Barman   | Sahabajpur | 04.08.1988 | 9735959534  |
| 11     | Mrinal Mandal     | Manoj Mandal         | Sahanali   | 25.02.1986 | 9733358455  |
| 12     | Shekhar Sarkar    | Lt. Sankar Sarkar    | Sahabajpur | 05.03.1989 | 9735982272  |
| 13     | Ashok Kr. Das     | Narayan Ch. Das      | Gopalpur   | 12.02.1991 | 9851002093  |
| 14     | Bipul Mahanta     | Lt.Narayan Mohanta   | Nayabazar  | 15.03.1985 | 9749322188  |
| 15     | Ramanath Karmakar | Rambilash Karmakar   | Fulbari    | 16.03.1988 | 7884535826  |
| 16     | Ashok Kr. Das     | Narayan Ch. Das      | Gopalpur   | 12.02.1991 | 9851002093  |
| 17     | Indrajit Das      | Bamu Das             | Durgapur   |            | 9614700046  |
| 18     | Mohadeb Karmakar  | Ruhidas Karmakar     | Fulbari    |            | 9851164170  |

**List of Civil defence Volunteers under Ganga rampur Block**

## 7. Banshihari Development Block





**BANSHIHARI BLOCK**  
MULTI - HAZARD DISASTER MANAGEMENT PLAN - 2019

## CHAPTER – I

### MULTI-HAZARD DISASTER MANAGEMENT PLAN

#### WHY IS IT:

With the advancement of human civilization the more urbanisation is taking place the more imbalance is created in the nature. Due to this increasing imbalance of nature the whole world is facing numerous disasters. Our block which is situated on the bank of river Damodar and the river being silted year after year due to lack of flow of water is always under the threat of flood. On the other hand lifting of sand from the river bed in the unscientific manner may also cause dangers to its embankment at the same time to the inhabitate area. This plan is being prepared mainly to create awareness in the people's representatives and Government employees in particular and the common people in general. This plan may guide all of us to help people in distress.

#### OBJECTIVE

To minimise the effect of natural calamity and save the life and property of the common people through creation of awareness of the general public through training, publicity, Mock Drill etc.

#### DISASTERS

Types of Disasters : (Experienced in the Block) : Flood like situation covering almost entire Block area of Banshihari during the month of August-September, 2017. Most affected Gram Panchayats are Ellahabad, Ganguria, Brojaballavpur and Mahabari respectively. Not only that, barring two Wards, all other twelve wards of newly formed buniadpur Municipality was also affected.

| Common Natural Disasters | Man Made disasters |
|--------------------------|--------------------|
| Cyclone                  | Fire-House         |
| Flood                    | Accident – Road    |
| Heat Wave-Sunstroke      |                    |
| Hail Storm / Whirl wind  |                    |
| Tornado                  |                    |

**Who formulate and Carries out the plan:** - Block Development Officer, Banshihari, on behalf of the Block Level Disaster Management Committee prepares the Plan.

#### Banshihari Block Disaster Management Committee :

| Sl. No. | Name   | Designation   | Address                      | Phone Number             |           |
|---------|--|---------------|------------------------------|--------------------------|-----------|
|         |  |               |                              | Office                   | Residence |
| 1.      | Rina Sarkar-Sabhapati, - Banshihari Panchayat Samiti.  | Chairman      | Banshihari, Dakshin Dinajpur | 03524-259322; 9434130887 |           |
| 2.      | Subhadip Das, B.D.O., Banshihari Block   | Vice Chairman | Banshihari, Dakshin Dinajpur | 03524-259322; 8373069036 |           |
| 3.      | Ganesh Prosad, Saha-Sabhapati, Banshihari Panchayat Samiti.  | Member        | Banshihari, Dakshin Dinajpur | 9679744467               |           |
| 4.      | Sonam Palzor Lama, Jt. B.D.O Banshihari Block.   | Member        | Banshihari, Dakshin Dinajpur | 7384602378               |           |
| 5.      | Michel Mardi, Member, D.Dinajpur Z.P.  | Member        | Banshihari, Dakshin Dinajpur | 9434155102               |           |
| 6.      | Rafikul Islam, Member, D.Dinajpur Z.P.   | Member        | Banshihari, Dakshin Dinajpur | 9932146276               |           |
| 7       | Mousumi Barman, Karmadhyakkshya, Nari-O-Sishu Unnayan, Janakalyan-O-Tran Sthayee Samiti, Banshihari P.S. | Member        | Banshihari, Dakshin Dinajpur | 7864986486               |           |
| 8.      | Pulak Kr. Saha, BMOH/ Medical Officer, Rashidpur PHC   | Member        | Rashidpur, Dakshin Dinajpur  | 7278640428               |           |
| 9.      | Inspector-in-Charge, Banshihari  | Member        | Banshihari, Dakshin Dinajpur | 9434154362               |           |

|    |   |                     |                              |            |  |
|----|---|---------------------|------------------------------|------------|--|
|    | Police Station  |                     |                              |            |  |
| 10 | Station Supdt., Buniadpur Gr. Electric Supply.                        | Member              | Buniadpur, Dakshin Dinajpur. | 7449301565 |  |
| 11 | Junior Telecom Officer, -----<br>-----                                | Member              |                              |            |  |
| 12 | Maniklal Saha, Block Live-Stock Dev. Officer, Banshihari Block        | Member              | Buniadpur, Dakshin Dinajpur  | 9434246889 |  |
| 13 | Sub-Asstt. Engineer-in-Charge, Gangarampur Sub-Divn. PHE              | Member              | Dakshin Dinajpur             |            |  |
| 14 | Inspector, Food & Supply, Banshihari Block                            | Member              | Buniadpur, Dakshin Dinajpur  | 7797457759 |  |
| 15 | Tapas Roy, Additional Director of Agriculture, Banshihari Block       | Member              | Buniadpur, Dakshin Dinajpur  | 7063783860 |  |
| 17 | Sectional Officer, Irrigation, Gangaramur                             | Member              |                              |            |  |
| 18 | Smt. Kuheli Mondal, Block Disaster Management OfficerBanshihari Block | Member-<br>Convenor | Buniadpur, Dakshin Dinajpur  | 9831763159 |  |

#### Overview of the Block :

Location : Vill & P.O. – Buniadpur-, Dist. D. Dinajpur, P.S. – Banshihari.

Area and Administrative Division : Vill & P.O. – Buniadpur, Dist. D.Dinajpur P.S. Banshihari - under Gangarampur Sub-division.

#### Demographic Details : (as per census 2011)

| Sl. No. | Name of the Block | Total Number of HH | Population |                  |        | Category |       |       |     |
|---------|-------------------|--------------------|------------|------------------|--------|----------|-------|-------|-----|
|         |                   |                    | Adult      | Children <5 yrs. | Total  | SC       | ST    | OBC   | GEN |
| 1.      | Banshihari        | 32070              | 124107     | 17179            | 141281 | 37506    | 31017 | 72763 |     |

#### Household Details :

| Sl. No. | Name of the Block | No. of APL HH |    |     |     |       | No. of BPL HH |      |      |      |       |
|---------|-------------------|---------------|----|-----|-----|-------|---------------|------|------|------|-------|
|         |                   | ST            | SC | OBC | GEN | TOTAL | ST            | SC   | OBC  | GEN  | TOTAL |
| 1.      | Banshihari        |               |    |     |     | 17069 | 2352          | 2409 | 1829 | 9048 | 15638 |

#### Population:

| Sl. No. | Name of the Block | SC    |       | ST    |       | OBC     |   | GEN |   | TOTAL |       |
|---------|-------------------|-------|-------|-------|-------|---------|---|-----|---|-------|-------|
|         |                   | M     | F     | M     | F     | M       | F | M   | F | M     | F     |
| 1.      | Banshihari        | 19330 | 18176 | 15366 | 15651 |         |   |     |   | 72161 | 69125 |
|         |                   |       |       |       |       | TOTAL : |   |     |   |       |       |

#### 1.10 Literacy Rate in Percentage

| Male  | Female | Total |
|-------|--------|-------|
| 79.54 | 66.32  | 72.93 |



## Chapter - II

### Topographical Details :

#### 2.1 Climate and Rainfall :

| Sl. No. | Month        | Average Rainfall<br>(in mm) | Actual Rainfall<br>(in mm) |
|---------|--------------|-----------------------------|----------------------------|
|         | January,18   |                             | 34.8                       |
|         | February,18  |                             | 0.0                        |
|         | March,18     |                             | 92.2                       |
|         | April,18     |                             | 191.2                      |
|         | May,18       |                             | 136.4                      |
|         | June,18      |                             | 93.2                       |
|         | July,18      |                             | 344.0                      |
|         | August,18    |                             | 526.8                      |
|         | September,18 |                             | 68.8                       |
|         | October,18   |                             | 147.2                      |
|         | November,18  |                             | 0.0                        |
|         | December,18  |                             | 0.0                        |

**Total : 1645 mm**

#### 2.2 Rain Recording Stations :

1. Total No. of Rain Recording stations in the Block –One.
2. Location of Rain Recording stations – It is situated at Buniadpur.  
Telephone Numbers of the Rain Recording stations –

#### 2.3 Geographical Area (in Hect.) :

| Sl. No. | Name of the Block | Agricultural Land (ha) |        |     | Grazing land | Forest Land (ha) (Social Forestry) | Water area | Others | Total area |
|---------|-------------------|------------------------|--------|-----|--------------|------------------------------------|------------|--------|------------|
|         |                   | High                   | Medium | Low |              |                                    |            |        |            |
| 1.      | Banshihari        | 27110                  |        |     |              | 678.2 ha                           |            |        |            |

#### 2.4 Crop Pattern:

| Sl. No. | Name of the Block | Type of Crops | Area Cultivated<br>(in Hect.) | Area under Crop insurance<br>(in Hect.) |
|---------|-------------------|---------------|-------------------------------|---|
| 1       | Banshihari        | Aus Paddy     | Nil                           |   |
| 2       |                   | Aman Paddy    | 11,000                        |   |
| 3       |                   | Boro Paddy    | 4650                          |   |
| 4       |                   | Jute          | 280                           |   |
| 5       |                   | Mustard       | 3900                          |   |
| 6       |                   | Wheat         | 2200                          |   |
| 7       |                   | Potato        | 900                           |   |
| 8       |                   | Pulse         | 35                            |   |
| 9       |                   | Musur         | 165                           |   |
| 10      |                   | Motor         | 22                            |   |
| 11      |                   | Khasari       | 0                             |   |
| 12      |                   | Vegetables    | 85                            |   |
| 13      |                   | Bhadoi        | 0                             |   |
| 14      |                   | Summer        | 110                           |   |
| 15      |                   | Til           | 06                            |   |

#### 2.5 Livelihood Details:

| Name of the Block | Total house holds | Agriculture | Agricultural labour | Other Labour | Fishing     |        | Household Industries | Service holder | Others (specify) |
|-------------------|-------------------|-------------|---------------------|--------------|-------------|--------|----------------------|----------------|------------------|
|                   |                   |             |                     |              | Sweet water | Saline |                      |                |                  |
| <b>Banshihari</b> |                   |             |                     |              |             |        |                      |                |                  |

## 2.6 Drinking Water Sources :

| Name of the Block | Tube Well   |            | Well       | PHE Stand | Sajal Dhara         |
|-------------------|-------------|------------|------------|-----------|---------------------|
|                   | Functional  | Defunct    |            |           |                     |
| <b>Banshihari</b> | <b>2352</b> | <b>325</b> | <b>Nil</b> |           | <b>0 ( Defunct)</b> |

## 2.7 River & Creeks :

| Sl. No    | Name of the river/creek | Name of the Place   | Danger Point           |
|-----------|-------------------------|---|------------------------|
| <b>1.</b> | <b>Tangon</b>           | <b>Bhingoldaha (Ellahabad G.P.) to Rajapur ( Ganguria G.P.)</b> | <b>Entire Stretch.</b> |

## 2.8 List of Embankments :

| Sl. No    | Name of the embankments     | Type of Embankments       | Length of Embankments |
|-----------|-----------------------------|---------------------------|-----------------------|
| <b>1.</b> | <b>Bilborail Embankment</b> | <b>Earthen Embankment</b> | <b>7.5 km.</b>        |
| <b>2.</b> | <b>Sihole Embankment</b>    | <b>Earthen Embankment</b> | <b>2 km.</b>          |
| <b>3.</b> | <b>Korai Embankment</b>     | <b>Earthen Embankment</b> | <b>2 km.</b>          |
| <b>4.</b> | <b>Deuria Embankment</b>    | <b>Earthen Embankment</b> | <b>3 km.</b>          |

## 2.9 River Carrying Capacity;

| Name of the River | Gauge Station  | Zero Level (in Mts.) | Danger Level (in Mts.) |               |                |
|-------------------|--|----------------------|------------------------|---------------|----------------|
|                   |  |                      | PDL                    | DL            | EDL            |
| <b>Tangon</b>     | <b>Banshihari Location- P.W.D. Road Bridge Near P.W.D. Office.</b> | <b>21.55 M</b>       | <b>25.0 M</b>          | <b>25.60M</b> | <b>26.21 M</b> |

## 2.10 Minor Irrigation Projects :

| Sl. No.   | Particulars        | Numbers    |
|-----------|--------------------|------------|
| <b>1.</b> | <b>D.T.W</b>       | <b>3</b>   |
| <b>2.</b> | <b>STW</b>         | <b>Nil</b> |
| <b>3.</b> | <b>RLI</b>         | <b>34</b>  |
| <b>4.</b> | <b>Submersible</b> | <b>01</b>  |

## 2.11 Irrigation Facilities and Sources:

| Name of the Block | Ponds | Dug Wells  | LI Points | Drift/Shallow TW/RLI/Subm. |           |           | River     | Creeks    | Canal     |
|-------------------|-------|------------|-----------|----------------------------|-----------|-----------|-----------|-----------|-----------|
|                   |       |            |           | DTW                        | RLI       | Subm      |           |           |           |
| <b>Banshihari</b> |       | <b>Nil</b> |           | <b>03</b>                  | <b>34</b> | <b>01</b> | <b>01</b> | <b>01</b> | <b>04</b> |

## 2.12 Infrastructure (Nos. AND/OR distance in Kms.)

| Sl. No | Name of the Block | PDS Outlets | Sub Post Offices | Police Station / Outpost | Pucca Buildings | BPHC | PHC | Dispensary + Clinic | Cyclone Shelters | Educational Institutions |           |          |         | Livestock centers | Cottage Industries | Industries | Godown |
|--------|-------------------|-------------|------------------|--------------------------|-----------------|------|-----|---------------------|------------------|--------------------------|-----------|----------|---------|-------------------|--------------------|------------|--------|
|        |                   |             |                  |                          |                 |      |     |                     |                  | Pri.+ SSK                | High Mad. | Up. Pri. | College |                   |                    |            |        |
|        |                   |             |                  |                          |                 |      |     |                     |                  |                          |           |          |         |                   |                    |            |        |

|    |            |    |    |    |  |    |    |    |   |     |    |    |    |   |  |  |   |
|----|------------|----|----|----|--|----|----|----|---|-----|----|----|----|---|--|--|---|
| 1. | Banshihari | 28 | 01 | 01 |  | 01 | 02 | 05 | 0 | 163 | 03 | 16 | 01 | 5 |  |  | 7 |
|----|------------|----|----|----|--|----|----|----|---|-----|----|----|----|---|--|--|---|

## 2.13 Industries:

| Name of the Block | Name & Number of the Industries | Government/<br>Private | Type of Industry | Manpower<br>employed<br>per<br>Industry (Salary) | Infrastructure<br>available | Investment | Production | Insured or not |
|-------------------|---------------------------------|------------------------|------------------|--|-----------------------------|------------|------------|----------------|
| Banshihari        | Cold Storage                    | Private                | 0                |  |                             |            |            |                |
|                   | Rice Mill                       |                        | 01               |  |                             |            |            |                |
|                   | Shaw Mill                       |                        | 04               |  |                             |            |            |                |
|                   | Engineering Job Work            |                        | 03               |  |                             |            |            |                |
|                   | Bakery                          |                        | 03               |  |                             |            |            |                |
|                   | Wheat Grinding                  |                        | 0                |  |                             |            |            |                |
|                   | Husking                         |                        | 05               |  |                             |            |            |                |
|                   | Oil Crushing                    |                        |                  |  |                             |            |            |                |
|                   | Cement Pipe & Jafri             |                        |                  |  |                             |            |            |                |
|                   | Wooden Furniture                |                        | 10               |  |                             |            |            |                |
|                   | Rice Oil Factory                |                        |                  |  |                             |            |            |                |
|                   | Brick Field                     |                        | 10               |  |                             |            |            |                |
|                   |                                 |                        |                  |  |                             |            |            |                |
|                   |                                 |                        |                  |  |                             |            |            |                |

## 2.14 Financial Institutions: (Bank)

| Sl. No. | Name of the Institution     | Address     | Telephone Number |
|---------|-----------------------------|-------------|------------------|
| 1.      | S.B.I.                      | Buniadpur   |                  |
| 2.      | S.B.I.                      | Patharghata |                  |
| 3.      | BGVB                        | Jordighi    |                  |
| 4.      | BGVB                        | Sihole      |                  |
| 5.      | BGVB                        | Daulatpur   |                  |
| 6.      | Bandhan Bank                | Rashidpur   |                  |
| 7.      | Raiganj Central Co-Op. Bank | Buniadpur   |                  |
| 8.      | ALO Mahila Samabay Bank     | Buniadpur   |                  |

## 2.15 Communication Facilities:

| Sl. No. | Name of the Block | Tele-communication (Y/N) | No. of Boats |   | No. of Bus |   | No. of Trekker |   | No. of Tractor |   | No. of Jeeps |   | No. of Two Wheelers |   |
|---------|-------------------|--------------------------|--------------|---|------------|---|----------------|---|----------------|---|--------------|---|---------------------|---|
|         |                   |                          | G            | P | G          | P | G              | P | G              | P | G            | P | G                   | P |
| 1       | Banshihari        | 03524-259322             | Nil          |   |            |   |                |   |                |   |              |   |                     |   |

**2.16 Power station and electric installation:** Power station at - --Buniadpur sub-Station at Buniadpur...

**2.17 Transport and communication network** – Transport – Bus, Truck, Tractor, Trekker, other Four Wheelers and Two Wheelers.

High Way : 25 - Km.

PWD : 30 - Km.

PWD (Roads) : 10 Km.

Z.P (Metalled) : 25 Km.

P.S (Metalled) : 40 Km.  
 PMGSY : 50 Km.  
 Z.P ( Un-metalled) : 60 Km.  
 P.S ( Un-metalled) : 70 Km.  
 G.P ( Un-metalled) : 140 Km.

### Chapter – III

#### 3.1 Resource Inventory / Capacity Analysis:

| Resource Type                    | Details                  | Number  | Government / Private | Contracts/Owner's name with Telephone No.   |
|----------------------------------|--------------------------|---|----------------------|---|
| Transportation and Communication | Tractor                  | 1.WB-59 A/2417;<br>2. WB-61/0416;<br>3. WB-61A/3360;<br>4. WB-61 A/2436;<br>5. WB-59 A/4546;<br>6. WB-59/9689 | Private              | Tarjan Ali-8207028392;<br>Tarjan Ali-8207028392;<br>Tarjan Ali-8207028392;<br>Sukumar Karmakar-9735090985;<br>Sukumar Karmakar-9735090985;<br>Kanai Ram Molla ph. No. 9932124282;   |
|                                  | <b>Trekker</b>           | _____   | <b>Private</b>       | _____   |
|                                  | <b>Trolley, Rickshaw</b> |   | -                    |   |
|                                  | <b>Four wheeler</b>      | -   | -                    |   |
|                                  | Boats                    | <b>3</b>  | <b>Private</b>       | 1.Goutam Mandal, Ph. No. 9733310979, Size 15 X 6;<br>2. Tipu Singha of Mahabari, Ph. No. 9474443818, Size 15 X 6;<br>3. Bijoy Singha, Ph. No. 9775879535, Madhu Halder of Buniadpur;<br>4.Paban Mistri of Ellahabad;<br>5. Ananda Halder of Brajaballavpur;<br>6. Samiruddin Shekh of Ganguria;<br>7. Abhijit Mandal of Mahabari. |
|                                  | Telephone                | -   | -                    |   |
|                                  | <b>Any other</b>         | -   | -                    |   |
| Containers                       | <b>Tankers</b>           | -   | -                    |   |
|                                  | <b>Overhead tanks</b>    | -   | -                    |   |
|                                  | <b>Jerry canes</b>       | -   | -                    |   |
|                                  | <b>Big vessels</b>       | -   | -                    |   |
| Cleaning and Cutting Equipments  | Kodi                     | -   | -                    |   |
|                                  | Sabala.                  | -   | -                    |   |
|                                  | Kudala                   | -   | -                    |   |
|                                  | Rope                     | -   | -                    |   |
|                                  | Big Saw                  | -   | -                    |   |
| Other Resources                  | Generator set            | -   | -                    | 1. Dilip Kumar Singh Roy of Buniadpur–<br>Mob : 9733247941  |
|                                  | Pump Set                 | -   | -                    |   |
|                                  | Petromax                 | -   | -                    |   |
|                                  | Tent house               | -   | -                    |   |
|                                  | Gas light                | -   | -                    |   |
|                                  | Solar Light              | -   | -                    |   |
|                                  | Bio-gas                  |   | <b>Pvt.</b>          |   |

|                   |                                |   |   |  |
|-------------------|--------------------------------|---|---|--|
| Temporary Shelter | Tents                          | - | - |  |
|                   | <b>Tarpaulins/Polylithenes</b> | - | - |  |
|                   | <b>Bamboo</b>                  | - | - |  |

### 3.2 Emergency Contingency Plans -- Banshihari Block

| 1.      | 2.                | 3.                                   | 4.                              | 5.                                       | 6.                  | 7.                      | 8.                   | 9.                   | 10.                   | 11.                  | 12.                           | 13.                                   |
|---------|-------------------|--------------------------------------|---------------------------------|--|---------------------|-------------------------|----------------------|----------------------|-----------------------|----------------------|-------------------------------|---------------------------------------|
| Sl. No. | Name of the Block | No. Of population as per 2011 Census | Present Population (Col. 3+20%) | Amount of food Materials (in KG) per day |                     |                         |                      |                      | Medicines per Week    |                      |                               |                                       |
|         |                   |                                      |                                 | Chira @ 200 gms. / Head                  | Gur (@ 50 gms/Head) | Rice (@ 250 gms / Head) | Dal @ 25 gms / Head) | Salt (10 gms / Head) | K. Oil (50 ml / head) | ORS in Packet / Head | Halogen Tabs. (7 tabs / Head) | Bleaching Power in KG (50 Gms / Head) |
| 1.      | Banshihari        | 1,41,281                             | 1,56,181                        | 31236.2 KG                               | 7809 KG             | 39045 KG                | 3904 KG              | 1561 KG              | 7809 Ltr.             | 1093267              | 1093267                       | 7809 KG                               |

### 3.3 Storage facilities with capacity

| Sl. No | Type of storage structure | Location             | Capacity         | Contact Person             | Address and Phone no. (Office) | Residential Phone No. |
|--------|---------------------------|----------------------|------------------|----------------------------|--------------------------------|-----------------------|
| 1.     | Block Relief Godown       | Banshihari           | 200 Mt ( approx) | Kuheli Mondal              | Banshihari, 9831763159         |                       |
| 2.     | Block Agril. Godown       | Banshihari           | 175 mt( approx)  | Tapas Roy, ADA, Banshihari | Banshihari, 7063783860         |                       |
| 3.     | G.P. Godown               | Mahabari/Patharghata | 80 Mt ( approx). | Noorjahan Khatun           | 9609484401                     |                       |
| 4.     | G.P. Godown               | Ellahabad            | 100 Mt ( approx) | Sulika Murmu               | 7557825558                     |                       |
| 5.     | G.P. Godown               | Brajaballavpur       | 70 Mt ( approx)  | Sarathi Roy                | 8370928218                     |                       |
| 6.     | G.P. Godown               | Ganguria             | 75 Mt ( approx)  | Bhupal Thakur              | 9593728014                     |                       |

### 3.4 Public Distribution System

| Name of G.P                               | No. of PDS | Name of M.R Dealer       | Address/Location  | Telephone No. Office / Res./Mobile | Area Coverage / No. of Cards | Remarks      |
|---|------------|--------------------------|-------------------|------------------------------------|------------------------------|--------------|
| Shibpur (erstwhile, as shown in database) | 07         | Dulal Chandra Chowdhury  | Shibpur           | 9434985937                         |                              | Municipality |
|   |            | Ebaruddin Ahammed        | Sayestabad        | 9733012316                         |                              | Ganguria     |
|   |            | M/s : S.K. Das & Partner | Uttar Buniadpur   | 9563564472                         |                              | Municipality |
|   |            | Sunil Kr. Saha           | Rashidpur         | 9434207347                         |                              |              |
|   |            | Matilal Das              | Barail            | 973307965                          |                              |              |
|   |            | Pravat Chakraborty       | Dakshin Buniadpur | 9434425103                         |                              |              |
|   |            | Utpal Ghosh              | Dhitolhat         | 7031974080                         |                              | Ellahabad    |
| Name of G.P                               | No. of PDS | Name of M.R Dealer       | Address/Location  | Telephone No. Office / Res./Mobile | Area Coverage / No. of Cards | Remarks      |
| Brajaballavpur                            | 06         | Dulal Chandra            | Jordighi          | 9609744864                         |                              |              |

|           |    |                         |                  |            |  |              |
|-----------|----|-------------------------|------------------|------------|--|--------------|
|           |    | Kundu                   |                  |            |  |              |
|           |    | Uttam Ghosh             | Dighi Banshihari | 9735004850 |  |              |
|           |    | Subal Chandra Sarkar    | Baragram         | 9800162994 |  |              |
|           |    | R.B. Das & Partner      | Jurahar          | 7407629094 |  |              |
|           |    | Banani Bose             | Badalpur         | 9800369167 |  |              |
|           |    | Narendranath Sarkar     | Kusumba          | 9733394265 |  |              |
| Ellahabad | 06 | N.P. Saha               | Sihole           | 9775994492 |  |              |
|           |    | Sita Sarkar             | Karai            | 9733270396 |  |              |
|           |    | Moslem Ali              | Gayenpara        | 9083207351 |  |              |
|           |    | Md. Matiur Rahaman      | Jaharpur         | 9734988145 |  |              |
|           |    | G.B. Roy & Partner      | Jamar            | 9733360752 |  |              |
|           |    | Mahendranath Roy        | Nowpara          | 9474439902 |  |              |
| Ganguria  | 04 | Prabhuram Chowdhury     | Deoria           | 9733032129 |  |              |
|           |    | Binoy Kr. Das           | Mirahati         | 9002335524 |  |              |
|           |    | Nonibala Roy            | Banamalipur      | 9734136739 |  |              |
|           |    | Mirarani Sikdar         | Daulatpur        | 9734136739 |  |              |
| Mahabari  | 05 | S.K. Mandal & Partner   | Patharghata      | 9733261859 |  |              |
|           |    | Kalyani SKUS            | Kalyani          | 9775908317 |  |              |
|           |    | Bhabesh Chandra Pradhan | Malam            | 9932328365 |  | Municipality |
|           |    | Debasish Roy            | Kashimpur        | 9733405069 |  |              |
|           |    | Anil Kr. Hazra          | Patra            | 9932513774 |  |              |

### 3.5 PHC / PHC New

| PHC / PHC New | Name of the G.P. (Location) | Staff Available |
|---------------|-----------------------------|-----------------|
| Badalpur PHC  | Brajaballavpur              | AMO, GNM, GDA   |

### 3.6 Police Stations

| Police Station | Name of the G.P. (Location) | Staff Available  |
|----------------|-----------------------------|--|
| Banshihari     | Buniadpur Municipality      | I.C., S.I. ( 04) ASI(08), Constable ( 20), CIVIC (455) |

### 3.7 Sub Post Offices :-

| Name of the Block | Location  | No. of Staff Available |
|-------------------|-----------|------------------------|
| Banshihari        | Buniadpur | N/A                    |

### 3.8 Fire Station Information: at Gangarampur, Mob. No. : 03521-256800, One Office and Station has been constructed at Banshihari, yet to go operational.

| Sl. No. | Name of the fire station | Telephone Number | Disposition of Vehicle & Pumps | Disposition of Man Power. |
|---------|--------------------------|------------------|--------------------------------|---------------------------|
| 1.      | Buniadpur (Banshihari)   | 03524 -297011    | Not available                  |                           |

### 3.9 Identification of rescue shelter for Heavy rain / water logging / flood / Cyclone / Earthquake / Hails Storm / Fire accident/ etc. (single / double storied) with capacity :

| Sl. No. | Type of shelter | Capacity (Room , Plinth Area and accomodation) | Location (School name,Village, ) | Contact Person (Address, Phone No and mobile no with an alternative person's No.) | Facilities Available (Electricity,Dri nking water and sanitation) | Remarks (Single or Double) |
|---------|-----------------|--|----------------------------------|---|---|----------------------------|
|         |                 |  |                                  |   |   |                            |

|   |                          |               |   |  |     |        |
|---|--------------------------|---------------|---|--|-----|--------|
| 1 | Flood Shelter at Bagduar | 16000 sq. ft. | Bagduar under Ganguria G.P.             | Panjab Choudhury, Pradhan Mob : 9733370790 | Yes | Double |
| 2 | F.P. School              | 1200 sq. ft.  | Ghasipur under Mahabari G.P.            | Ganesh Mandal, 9733354950                  | Yes | Double |
| 3 | F.P. School              | 1200 sq. ft.  | Dilkanthi under Mahabari G.P.           | Mankhushi Singha, 8348565755               | Yes | Double |
| 4 | F.P. School              | 1200 sq. ft.  | Dhumsadighi under Mahabari G.P.         | Swapna Sarkar, 8389943041,                 | Yes | Double |
| 5 | F.P. School              | 2000 sq. ft.  | Sudarshannagar GSFP under Mahabari G.P. | Mrinal Singha Roy, 9474424559              | Yes | Double |
| 6 | High School              | 12000 sq. ft. | Kushkari KBBS under Mahabari G.P.       | Bimal Kr. Datta, 9474016085                | Yes | Double |
| 7 | High School              | 15000 sq. ft. | Sudarshannagar PHHV under Mahabari G.P. | Nanigopal Roy, 9434422498                  | Yes | Double |
| 8 | SSK                      | 800 sq. ft.   | Andharmanik under Mahabari G.P.         | Laxmi Tudu, 8670419826                     | Yes | Single |

**All High School & Primary School when required.**

### **3.10 Earth moving and road cleaning equipments:**

| Type of Equipment | Contact person and address | Telephone Office / Resi. | Remarks |
|-------------------|----------------------------|--------------------------|---------|
| XX-               | XX                         | XX                       | XX      |

### **3.11 Traders:**

| Type of Traders              | Contact person and address   | Telephone Office /Resi./Mobile No               | Remarks |
|------------------------------|--|---|---------|
| House building materials     | Karmakar Enterprise, Patharghata   | 9735090985                                      |         |
| Type of Traders              | Contact person and address   | Telephone Office /Resi./Mobile No               | Remarks |
| Groceries                    | Ranjan Ghosh, Patharghata.<br>Uttam Ghosh, Daulatpur,  | 9474318384<br>9734005596                        |         |
| Medicine shop                | Sudam Mandal, Patharghata<br>Soumen Roy, Patharghata<br>Janata Medical, Buniadpur<br>Biplab Roy, Singadaha | 9733314469<br>9933663672<br>-----<br>9933949180 |         |
| Tents and Tarpaulins         | Karmakar Enterprise, Patharghata   | 9735090985                                      |         |
| Hardware shops               | Karmakar Enterprise, Patharghata<br>Manoranjana Das<br>Afsar Chowdhury<br>Nabin Sekh                       | 9735090985<br>9733176230<br>-----<br>9733133178 |         |
| <b>Rice Mill</b>             |  |   |         |
| Fuel wood                    |  | -   | -       |
| <b>Electrical Equipments</b> | Arun Kumar Das   | 7908450760                                      | -       |
| <b>Restaurants</b>           | Dipak Dutta  | -   | -       |
| <b>Farm inputs</b>           |  | -   | -       |

### **3.12 Transportation (Road and water)**

| Type of Vehicles | Contact person and address | Government / Private | Telephone Office / Resi./Mobile No | Remarks.                      |
|------------------|----------------------------|----------------------|------------------------------------|-------------------------------|
| Tractors         | See Col. No. 3.1           |                      |                                    | Already enlisted col. No. 3.1 |

|                           |   |   |                              |   |
|---------------------------|---|---|------------------------------|---|
| <b>Bus</b>                |   | Private<br>-do-<br><br>-do-<br>-do-<br>-do-<br>-do- |                              |   |
| <b>Truck / Mini truck</b> | 1. Tarun Kanti Roy, Vill : Patharghata.<br>2. Durbadal Mahanta<br>3. Balai Mandal<br>4. Alok Saha<br>5. Bikash Mandal | Private<br><br>-do-                                 | 9002590564<br><br>9593233454 | 1.--<br>2.--<br>3. Chandipur (BGP)<br>4. Jordighi (BGP)<br>5. Chandipur (BGP) |
| Trekker                   | See Col. No. 3.1  | -   | -                            |   |
| <b>Country boats</b>      | See Col. No. 3.1  | -   | -                            |   |
| <b>Motor boats</b>        | -   | -   | -                            | -   |

### 3.13 Alternative energy sources (Bio-gas and Solar Energy Cells)

| Type of Sources          | Contact person and address    | Phone No/ Mobile No. | Remarks |
|--------------------------|-------------------------------|----------------------|---------|
| Bio-gas                  | Nil<br>Nil<br>Nil             |                      |         |
| Generator                | See Col. No. 3.1              | 9734866623           | -       |
| <b>Pump Set</b>          | Noted in the Gram Sansad Plan | -                    | -       |
| <b>Solar Energy Cell</b> | Noted in the Gram Sansad Plan | -                    | -Nil.   |

### . Private / Government Professional :

| Expertise                  | Name  | Specialist                       | Address   | Phone No. /Mobile No   | Service facilities available |
|----------------------------|---|----------------------------------|---|--|------------------------------|
| <b>Doctor (Private)</b>    | Goutam Mandal<br>Sumen Roy<br>Rakimuddin<br>Ahammed<br>Fajil Hossain<br>Kamal Kanti Kundu<br>Premananda Kundu<br>Amar Sarkar<br>Adhir Ch. Paul<br>Shanti Choudhury<br>Senti Sannyasi<br>Suresh Ch Mandal<br>Nirmal Roy<br>Kalipada Bose<br>Kalipada Hazra<br>Goutam Paul<br>Bistu Kanta Roy<br>Ranjan | <b>General Physician</b><br>-do- | 1. Krishnapur,<br>Banshihari;<br>2. Panjaripara,<br>Mahabari<br>3. Mahadipur,<br>Karai<br>4. Daulatpur<br>5. Daulatpur<br>6. Jordighi<br>7. Jordighi<br>8. Jordighi<br>9. Jordighi<br>10. Jordighi<br>11. Badalpur<br>12. Badalpur<br>13. Badalpur<br>14. Nowpara<br>15. Nowpara<br>16. Badalpur<br>17. Vitor Masum | 9733322582<br>9933663672<br>9733219304<br>9614370409<br>9002151434<br>-----<br>-----<br>-----<br>-----<br>9733010901<br>-----<br>-----<br>9563494322<br>9735013524<br>8670998938<br>9733286266 |                              |
| <b>Doctor (Government)</b> | Plaban Mondal<br>Maniruzzaman<br>Saheb  | <b>Gn. Phy.</b><br>----          | Rashidpur,<br>Banshihari<br>Nayapara, Karai   | 9836491398<br>9831314936   |                              |
| <b>Health Practitioner</b> | Ranjit Singha<br>Ananti Saha  | <b>Gn. Phy.</b><br>---           | 1. Rupahata,<br>Banshihari  | 9635064783<br>7501467747   |                              |



|   |   |            |  |  |  |
|---|---|------------|--|--|--|
|   | Bubbuli Mitra<br>Banoshree<br>Chakraborty<br>Harishankar Roy<br>Hajrat Sekh<br>Dipak Chowdhury<br>Manik Pramanik<br>Sulal Kisku | ---<br>--- | 2.Sahapara,<br>Gangrampur<br>3.Sihol, Sihol<br>4.Rashidpur,<br>Buniadpur<br>5.Nowpara<br>6.Bagduar,<br>Singhadaha<br>7.Deuria,<br>Daulatpur<br>8.Baharail,<br>Daulatpur<br>9.Gopalpur,<br>Singhadaha | 9474438259<br>8337827122<br>9735969651<br>7797921203<br>9733460041<br>9547857658<br>9733270351 |  |
| <b>Ex-service man</b>                                     | 1.Joynal Abedin   |            | 1.Nowpara  | 9733348560   |  |
| <b>Mechanici/civil engineer</b>                           | 1.Prakash Sarkar  |            | 1.Kushumba   |  |  |
| <b>VS,VO,Etc</b>  | 1.Amjad Ali   |            | 1.Kushumba   |  |  |
| <b>Volunteers trained in Rescue operation</b>             |   |            |  |  |  |
| <b>Volunteers trained in operating special equipments</b> |   |            |  |  |  |
| <b>Volunteers trained in first aid</b>                    |   |            |  |  |  |
| <b>Skilled Mechanics</b>                                  |   |            |  |  |  |
| <b>Drivers (Road)</b>                                     |   |            |  |  |  |
| <b>Motor Boat Drivers</b>                                 |   |            |  |  |  |

#### Chapter – IV

Risk / Hazard Analysis

#### History of Disaster and Probability of Disaster episodes in the Block.

| Type of hazard                 | Year of Occurrence | Area affected   | Impact on Life                                   | Livelihood  | Live stock Lost                            | Remarks (Damage Value of Govt. & Private Property) |
|--------------------------------|--------------------|-----------------|--|---|--|--|
| <b>1. Flood/ Water logging</b> | <b>2010</b>        | <b>312 Hec</b>  | <b>2317 Families shifted to shelters</b>         | _____   | Cow-15,<br>Goat-12                         |  |
|                                | <b>2017</b>        | <b>1280 Hec</b> | <b>Approx 9,500 Families shifted to shelters</b> | <b>04 Persons lost life due to flood like situation</b> | Cow-07,<br>Goat-22,<br>Birds-5,000 (apprx) |  |

#### Seasonally of Hazard :

| Type of Hazards | Jan-Mar |   |   |   | April-June |   |   |   | July-Sep |   |   |   | Oct-Dec. |   |   |   |
|-----------------|---------|---|---|---|------------|---|---|---|----------|---|---|---|----------|---|---|---|
|                 | H       | C | A | I | H          | C | A | I | H        | C | A | I | H        | C | A | I |
| Cyclone         |         |   |   |   |            |   |   |   | √        | √ | √ | √ |          |   |   |   |
| Flood           |         |   |   |   |            |   |   |   | √        | √ | √ | √ |          |   |   |   |
| Sunstroke       |         |   |   |   | √          |   |   |   |          |   |   |   |          |   |   |   |
| Fire            |         |   |   |   | √          | √ | √ | √ |          |   |   |   |          |   |   |   |
| Boat capsized   |         |   |   |   |            |   |   |   |          |   |   |   |          |   |   |   |
| Epidemic        |         |   |   |   |            |   |   |   |          |   |   |   |          |   |   |   |
| Accident        |         |   |   |   |            |   |   |   |          |   |   |   |          |   |   |   |
| Lightening      |         |   |   |   |            |   |   |   | √        | √ | √ | √ |          |   |   |   |

H : Human, C: Crop, A: Animals, I : Infrastructure

## Chapter – V

### Risk Assessment

| Type of Hazards          | Time of Occurrence                             | Potential Impact  | Vulnerable areas                                |
|--------------------------|--|---|---|
| <b>Cyclone / Tornado</b> | <b>March to June &amp; October to December</b> | 1. Area Affected – --- K.M. (Approx).<br>2. Crop Damage – ----- Hec. (Approx).<br>3. People affected – ----- (Approx) Number.<br>4. Total Damage value - Rs. ----- (Approx) | All areas under - Banshihari Block              |
| <b>Flood</b>             | <b>September to October</b>                    | 1. Area Affected – --- K.M. (Approx).<br>2. Crop Damage – ----- Hec. (Approx).<br>3. People affected – ----- (Approx) Number.<br>4. Total Damage value - Rs. ----- (Approx) | More or less all areas under Banshihari - Block |
| <b>Sunstroke</b>         | <b>April to June</b>                           |   | All areas under - Banshihari Block.             |
| <b>Fire</b>              | <b>January to December</b>                     |   | All areas under Banshihari Block.               |
| <b>Boat capsize</b>      | <b>September to October</b>                    |   | All areas under Banshihari Block.               |
| <b>Epidemic</b>          | <b>April to September</b>                      |   | All areas under Banshihari -Block.              |
| <b>Accident</b>          | <b>January to December</b>                     |   | All areas under - Banshihari -Block.            |
| <b>Lightening</b>        | <b>January to December</b>                     |   | All areas under - Banshihari Block.             |

## Chapter – VI

### 6. Vulnerability Analysis

#### Infrastructure Vulnerability against Hazards

| Vulnerability          | Vulnerability against each hazard |           |                    |  |                   |           |            |           |
|------------------------|-----------------------------------|-----------|--------------------|--|-------------------|-----------|------------|-----------|
|                        | Cyclone                           |           | Flood              |  | Chemical Industry |           | Fire       |           |
|                        | Pop ulation                       | Area name | Population         | Area name  | Population        | Area name | Population | Area name |
| Road network           |                                   |           | 1) 4654<br>2) 1200 | 1) Makrampur, Jamar, Karai Colony, Dhumpara, Chakvola, Sihol, 2) Tepridaha           |                   |           |            |           |
| Water ways             |                                   |           | 1) 1400            | 1) Deuria  |                   |           |            |           |
| Water supply           |                                   |           | 1) 2587<br>2) 1100 | 1) Bhingaldaha, Shishiipukur, Mokrapur, Chakvola, Karai Colony, Jamar 2) Bajeharipur |                   |           |            |           |
| Sewage                 |                                   |           | 1) 970             | 1) Sayestabad  |                   |           |            |           |
| Hospital               |                                   |           | 1) 1000            | 1) Kanur   |                   |           |            |           |
| Food stocks & supplies |                                   |           | 1) 4654<br>2) 1700 | 1) Doudpur F.P 2) Gouripara  |                   |           |            |           |
| Communication (System) |                                   |           | 1) 1025<br>2) 700  | 1) Boat 2) Hialdaha  |                   |           |            |           |
| Embankments            |                                   |           | 1) 2568<br>2) 2000 | 1) Bhingaldaha, Shishiipukur, Mokrapur, Chakvola, Karai Colony, Jamar 2) Singadaha   |                   |           |            |           |
| Bridges                |                                   |           |                    |  |                   |           |            |           |

## 6.2 Identification of Weak and Vulnerable embankments

| Sl No. | Name of the Weak and Vulnerable embankment   | Location  | Reason of its vulnerability | Population likely to be affected | Remarks |
|--------|--|---|-----------------------------|----------------------------------|---------|
| 1.     | 1.Deauria<br>2.Tepridaha (Bagduyar)<br>3.Hiyaldaha<br>4.Sayestabad<br>5.Gouripara<br>6.Bajehoripur | 1.Deauria<br>2.Bagduyar<br>3.Hiyaldaha<br>4.Sayestabad<br>5.Gouripara<br>6.Bajehoripur        | Weak Embankment             | 12700                            |         |
| 2.     | 7.Mokrapur<br>8. Jamar<br>9. Karai Colony<br>10. Dhumpara<br>11. Chakvola<br>12. Sihol             | 7. Shishipukur<br>8. Kaimari<br>9. Raypara<br>10. Dhumpara<br>11. Chokvola<br>12.Chhoto Sihol |                             | 8258                             |         |

## 6.3 Alternate route structure

| Sl. No. | Vulnerable Area in connection with Flood/Water Logging.  | Main route   | Alternate route  |
|---------|--|--|--|
| 1.      | 1.Daulatpur to Bagduyar<br>2. Ojantor<br>3. Barogram West, Barogram East, Chandmukh, Sardarpur     | 1.Daulatpur to Bagduyar<br>2. Banshihari to Nurpur<br>3. Nowpara to Mollapara SH- 10 | 1.Bagduyar to Patharghata via Bilborail<br>2. Nurpur to Ojantor<br>3. Nowpara to Narayanpur  |
| 2.      | 1.Buniadpur Pirtala to Bagduyar<br>2. Chakvola<br>3. Krishnabati, Kushumba, Vior, Bighua, Mungrail | 1.Buniadpur Pirtala to Bagduyar<br>2. Banshihari to Jamar<br>3. ---                  | 1. Buniadpur Gitimore to Sayestabad via Kanur & Gaouripara<br>2. Jamar to Chakvola<br>3. --- |
| 3.      | 1.Shishipukur<br>2. Badalpur, Kelna, Chakpara, Madhyapara, Douakuri, Kakahar                       | 1. Banshihari to Mokrapur<br>2. Badalpur to Jordighi PMGSY                           | 1.Mokrapur to Shishipukur<br>2. Badalpur to Dhumsadighi PWD Road                             |
| 4.      | 1. Paschim Chandipur, Mahugram, Banshihari, Raghavnagar  | 1. Badalpur to Hatidoba PWD Road   | 1. Badalpur to Dhumsadighi PWD Road  |
| 5.      | 1. Chandipur, Uttar Laxmipur, Dasul  | 1. Narayanpur to Jordighi SH   | 1. Buniadpur to Itahar PWD Road  |

## Chapter – VII

### 7. MITIGATION PLAN

#### 7.1 Sector wise Vulnerability Reduction Measures (considering G.P. Plans)

| Type of Sector              | Sub Sector                    | Mitigation measures  | Responsible Dept.                        | Time Frame |
|-----------------------------|-------------------------------|--|--|------------|
| Infrastructure Development. | IEC activities                | -  | -  | -          |
|                             | Road                          | 1.Nowpara to Mollapara SH, Badalpur PMGSY to Jordighi SH, Badalpur PMGSY to Hatidoba PWD Road, Narayanpur to Jordighi SH, Kushumba to Narayanpur SH, Pichla to Angaran Eethen Road, Jordighi to Raghavnagar BS Road<br>2. Jamar to GP Office, Durga to Mahadipur, Belpukur to Durga, Pathanpara to Karai Colony, Pathanpara to Siliguri More.<br>3. Kanur to Bagduar, Bgduar to Singadaha, Bagduar to Hialdaha | 1. -----<br>---<br><br>2.PWD, DDZP Dept. |            |
|                             | Embankment                    | 1.Bhingaldaha to Dhumpara<br>2. Sayestabad to Hialdaha via Tepridaha, Deuria Kalitala to Bilbarail, Surayaghati to Satdhipa, Bagduar More to Tepridaha Id-Gaha.  | 1.---<br>2. Irrigation Dept.             | -          |
|                             | Bridges                       | 1.Re-construction of RCC Road at Nowpara on the way of Nowpara PMGSY to Chandmukh PMGSY Road<br>2. Surayaghati   | 1.-----                                  |            |
|                             | Safe Shelters                 | 1.Badalpur High School, Dighibanshihari High Land & FP School, Mahugram FP, Mahugram Jr. High School, Dasul FP, Dasul Jr. High, Narayanpur High, Nowpara FP, Kelna FP School.<br>2.Sihol High School, Jamar main road, Doudpur Primari, Damapukur FP, Chhoto Karai FP, Barobon FP, Ojantor FP<br>3. Bagduar Flood Shelter, Ganguria High School.   | GP Office                                | -          |
|                             | Communication                 | Boat   | GP Office                                | -          |
|                             | Drinking water and sanitation | Dhutura Drinking water (PHE) & Sihol, Jamar  | PHHE Dept. & Block                       | -          |
|                             | Power                         |  |  |            |
|                             | Technology dissemination      |  |  |            |
| Health/<br>Animal Husbandry | IEC activities                |  |  |            |
|                             | Vaccination                   |  |  |            |
|                             | Training                      |  |  |            |
|                             |                               |  |  |            |
| Livelihood                  | Awareness                     |  |  |            |
|                             | Agriculture                   |  |  |            |
|                             | Fishing                       |  |  |            |
|                             | Fishery                       |  |  |            |
|                             | Allied activities             |  |  |            |
|                             | Horticulture                  |  |  |            |
| Insurance                   | IEC activities                |  |  |            |
|                             | Infrastructure                |  |  |            |
|                             | Lifelihood                    |  |  |            |
|                             | Life                          |  |  |            |

## CHAPTER VIII

### 9. Some other Important Information :

Location of High ground to be used as Halipad / Air Dropping Site.

I. Kurpara Football Ground (Ellahabad)

II. Location of Health Centre

| Name of BPHC / PHC / SHC.      | Location of BPHC / PHC / SHC. | Name of Gram Panchayet. |
|--------------------------------|-------------------------------|-------------------------|
| Shyampur Sub-Centre            | Mahabari                      | Mahabari                |
| Rashidpur BPHC                 | Rasidpur                      | Buniadpur Municipality  |
| Badalpur SHC                   | Badalpur                      | Brojaballavpur          |
| Ellahabad GP Health Sub-Centre | GP Ground                     | Ellahabad               |
| Nurpur Health Sub-Centre       | Nurpur                        | Ellahabad               |
| Sihol Health Sub-Centre        | Sihol                         | Ellahabad               |
| Dhitail Health Sub-Centre      | Dhitail                       | Ellahabad               |
| Kamardanga SHC                 | Kamardanga                    | Brojaballavpur          |
| Kushumba SHC                   | Nowpara                       | Brojaballavpur          |
| Badalpur                       | Badalpur                      | Brojaballavpur          |
| Mahugram SHC                   | Jordighi                      | Brojaballavpur          |
| Badalpur PHC                   | Badalpur                      | Brojaballavpur          |

### BLOCK CONTROL ROOM Ph. No. 03524259322

| Sl. No. | Name of Officials  | Designation                                 | Contact Ph. No./Mobile No | Office Ph. No. |
|---------|--------------------|---|---------------------------|----------------|
| 1       | Subhadip Das       | B.D.O                                       | 8373069036                | 03524259322    |
| 3       | Sonam Palzor Lama  | Jt. B.D.O (Officer in – Charge of Disaster) | 7384602378                | 03524259322    |
| 4       | Pinaki Sanyal      | CI  | 8436368255                | 03524259322    |
| 5       | Tarit Sarkar       | PDO   | 7908586245                | 03524259322    |
| 5       | Kuheli Mondal      | FEO   | 9831763159                | 03524259322    |
| 6       | Shitaram Sing      | APO   | 9932909998                | 03524259322    |
| 7       | Sajal Kundu        | BIO   | 9733383545                | 03524259322    |
| 8       | Manoranjan Rabidas | CW  | 9647895435                | 03524259322    |
| 9       | Goutam Kr. Ghosh   | UDC   | 8371959360                | 03524259322    |

**IV. Deployment of Staff for Brojaballavpur Gram Panchayet Control Room Incharge of Gram Panchayet Control Room Samir Kanti Roy, Sarathi Roy, G.P. Ph. No. Nil Fax No. Nil / E-mail Address- Broja.gp02@gmail.com**

### Gram Panchayat CONTROL ROOM Ph. No. 9547722272 / 8900372229

| Sl. No. | Name of Officials           | Designation    | Contact Mobile No | Office Ph. No. |
|---------|-----------------------------|----------------|-------------------|----------------|
| 1       | Samir Kanti Roy             | E.A            | 9434968758        | -              |
| 2       | N.S. of Brojaballavpur G.P. | Nirman Sahayak | -                 |                |
| 3       | Entaj Ali                   | Secretary      | 8158002563        |                |
| 4       | Tapash Kr. Paul             | Sahayak        | 9733482854        |                |
| 5       | Bidhan Chakraborty          | GP Karmee      | 9002361003        |                |
| 6       | Manik Karmakar              | GP Karmee      | 9800369014        |                |
| 7       | Joydeb Mahato               | STP            | 9733003871        |                |

|   |                   |     |            |  |
|---|-------------------|-----|------------|--|
| 8 | Emrul Ali         | GRS | 9867990998 |  |
| 9 | Ramendra Nath Roy | VLE | 8328799544 |  |

**IV. Deployment of Staff for Ellahabad Gram Panchayet Control Room Incharge of Gram Panchayet Control Room Akbar Ali , Sulika Murmu, G.P. Ph. No. Nil 7557825558/ Fax No. Nil / E-mail Address- ellahabadgp@gmail.com**

**Gram Panchayat CONTROL ROOM Ph. No. 9735058343 / 9733243851**

| Sl. No. | Name of Officials | Designation    | Contact Mobile No | Office Ph. No. |
|---------|-------------------|----------------|-------------------|----------------|
| 1       | Akbar Ali         | E.A            | 9733243851        | -              |
| 2       | Sukla Kundu       | Nirman Sahayak | -                 |                |
| 3       | Chandibrata Jha   | Secretary      | 9475443928        |                |
| 4       | Usuf Ali          | Sahayak        | 9733287309        |                |
| 5       | Avoy Das          | GP Karmee      | 9733286271        |                |
| 6       | Debasish Basak    | STP            | 9614242885        |                |
| 7       | Dip Ranjan Das    | GRS            | 9474037882        |                |
| 8       | Manjur Alom       | VLE            | 9733236023        |                |

**IV. Deployment of Staff for Ganguria Gram Panchayet Control Room Incharge of Gram Panchayet Control Room Santosh Kr Ghosh , Pradhan, BhnoalThakur, G.P. Ph. No. Nil Mob 9593728014/ Fax No. Nil / E-mail Address- ganguriagpdd@gmail.com**

**Gram Panchayat CONTROL ROOM Ph. No. 9733370790**

| Sl. No. | Name of Officials     | Designation            | Contact Mobile No | Office Ph. No. |
|---------|-----------------------|------------------------|-------------------|----------------|
| 1       | Santosh Kr Ghosh      | Executive Assistant    | 9434376526        |                |
| 2       | Sec. of Ganguria G.P. | Secretary              |                   |                |
| 3       | NS of Ganguria G.P.   | Nirman Sahayak         |                   |                |
| 4       | Kabinur Rahaman       | JS                     | 9002449757        |                |
| 5       | Sailen Mahato         | GRS                    | 9635557572        |                |
| 6       | Debraj Mahato         | Sahayak                | 9733287309        |                |
| 7       | Budhu Bhuimali        | G.P. Karmee            | 9733271386        |                |
| 8       | Kamal Roy             | G.P. Karmee            | 9735028612        |                |
| 10      | Sandip Roy            | V.L.E / Email Operator | 9635065094        |                |

**IV. Deployment of Staff for Mahabari Gram Panchayet Control Room Incharge of Gram Panchayet Control Room EA, Mahabari G.P. Pradhan, Noorjahan Khatun, G.P. Ph. No. Nil . Mob Nil / Fax No. Nil / E-mail Address- mahabarigp@gmail.com**

**Gram Panchayat CONTROL ROOM Ph. No. 8116027783**

| Sl. No. | Name of Officials    | Designation         | Contact Mobile No        | Office Ph. No. |
|---------|----------------------|---------------------|--------------------------|----------------|
| 1       | EA, Mahabari G.P.    | Executive Assistant | -                        |                |
| 2       | Mukesh Choudhury     | Secretary           | -                        |                |
| 3       | Pankaj Biswas        | Nirman Sahayak      | 9593845472               |                |
| 4       | Sirin Banu           | Sahayak             | 7872809168               |                |
| 5       | Pius Hembrom         | G.P. Karmee         | 9932739643 (Residential) |                |
| 6       | Pantu Mandal         | G.P. Karmee         | 9614187840               |                |
| 7       | Suraj Sarkar         | G.R.S.              | 9474311759               |                |
| 8       | Surajit Sarkar       | J.S.                | 9733454682               |                |
| 9       | Shankar Murmu        | V.L.E.              | 9635187732               |                |
| 10      | Hopna Hemram         | Casual              | 9800434953               |                |
| 11      | Bapan Chandra Mandal | Casual              | 9733205704               |                |
| 12      | Papun Roy            | S.T.P.              | 9563261262               |                |

**Preparedness over the issue of Taking Action at the time of Natural Calamities or Averting Disasters :**

**Description of the Block :**

Banshihari is a rather small block comprising with Four Gram Panchayats namely Brajaballavpur, Ellahabad, Mahabari and Ganguria and a recently formed Municipality, namely –Buniadpur Municipality. The Block office is situated at Shyamapally, Buniadpur and is at a uniform distance of approximately 55 km from the district headquarters, namely Balurghat (Dakshin Dinajpur), Raiganj ( Uttar Dinajpur) and English Bazar ( Malda). It is situated at a tri-junction and that is why Geographically it is so important. Any communication from/to district headquarters to/from nearby district headquarters passes through Banshihari and obviously it is well connected with adjacent districts through

roadways and train ways. It is simply for this reason, it is most essential to maintain the communication plan through Banshihari intact at the time of any problem. Apart from Buniadpur, there is another town namely Gangarampur, which is only 13 kms away from Banshihari. So, in terms of both trade, connectivity and economical reasons, situation of Banshihari is a pivotal one.

#### **Vulnerability :**

Like many other parts of West Bengal, it is particularly susceptible to flood or flood like situation. The area has an average precipitation of 157 cms. However, with gradual decrease in rainfall over a period of time, the frequency of Flood has decreased. Two rivers from the Himalayas, namely –Tangon (mainly) and Punarbhaba ( partly) flows through the block. It is the Tangon which cause havoc when the rainfall becomes too much over a small period of time, particularly in the hills and foothills of Himalayas. Tangon flows through major part of Banshihari. Apart from flood, this block is also falls under Level 4 in terms of seismology/earthquake related disasters. During the dry season of April-May, incidences of fire are not very uncommon in the area which is primarily caused by unplanned burning of remnants of crops produced. And in each year, Cyclonic storm s of smaller magnitude also cause damage to crops, loss of lives to human, cattle etc.

#### **Recent Previous Experience :**

In very recent past, during the month of August-September, 2017, this Block has faced severe kind of flood like situation caused mainly by overflowing of river Tangon, combined with heavy rainfall during the second week of August, 2017. Level of all other rivers in the district, namely Punarbhaba, Atrayee had crossed extreme danger level. For over a period of ten days, road communication between district headquarters of Balurghat to Banshihari was cut off due to unstable condition of a Bridge at Maharajpur ( Before Gangarampur) and due to flowing of water at least over four to five feet at several places over N.H.-512. Naturally, 136 mouzas out of the total 161 mouzas under the block were directly affected due to this flood like situation. All the Gram Panchayats including Buniadpur Municipality was affected, but people of Ellahabad Gram Panchayat ( almost entirely)and Ganguria Gram Panchayat (mainly) and Brajaballavpur ( mainly)had suffered a lot. Over 50,000 people had to take shelter at high places like Schools and other academic institution and at the lone flood relief centre at Bagduar.

**Loss of Life :** 04 ( four ) as per report.

**Loss of Animal :** 05 Cattle ( as reported), 25 Goat, approx. 5,000 birds ( Duck and chicks).

**Loss to Crop :** More than 1280 Hectares of croppable area and crops damaged.

**Damage to Roads :** Several roads under Ganguria G.P. and ellahabad G.P. and under Brajaballavpur G.P. , particularly road from Daulatpur to Pirtala ( Via Bagduar) had been damaged completely. At several places, bridge has collapsed and portion of road was completely washed away.

#### **How the situation was tackled :**

During the initial phase, Institutional Houses had been used as Temporary Relief Cum Flood Centre. Arrangement for accommodation, and fooding was arranged. Block control room was opened 24X7. Longorkhana has been opened at several places including one at Block office, from where cooked meal were despatched to the affected areas and among affected people. Polythene sheets, dry food were distributed. The district administration has provided rice to the Ration Dealers and the same was used to provide food to the affected people. Dry food such as paddy puff, puffed rice, molasses, gur was procured in anticipation of danger and on assumption of weather forecast. Vehicles were hired to provide relief to the distressed people. The water plant of Block was used for supply of drinking water. Later, water packet was provided by PHE as a vending machine was installed at Buniadpur. It has saved lives of people from starvation/food/water poisoning. Approximately 21,000 polysheets were distributed to the flood affected people. Boats were hired from local agencies to rescue people who got trapped/waterlogged inside their houses and shifted to safe places. Boats were also used to provide relief, medicine, food to the affected people. Mobile medical camp was arranged to treat people from common problems. As the Rashidpur RHC was inundated, a temporary medical camp was also opened at Block office. Not only that, same happened to the Banshihari police Station and Police Station was temporarily shifted to block office to serve people. Animal fodder was also distributed in sufficient quantity. Block employees had around 24X7 had did duty to help affected people. Gram Panchayat Offices had also played a very important and praise worthy role during this crisis time. There were one or two incidents of looting of polysheet outside Block. However, there was no resentment against the Govt. Officials of Banshihari and there was no incidence of attack on govt officials in Banshihari unlike other areas. During later part, Voluntary organisations, Clubs were also included in providing relief to affected people as the number of affected people started increasing as more and more area became inundated. The success can be assessed from the simple fact that there was no outbreak of any epidemic during or after flood like situation in Banshihari. During next phase, as the flood level receded, disinfection of tubewells, and other water sources had been done thoroughly across the entire Block area, particularly along the affected areas. Tubewells of Houses and Academic and other institutions were disinfected. People, through Gram Panchayats and VHSNCs were

trained to disinfect water sources. PHE, Health Officials, together with Block and GP officials had played a very important role during this phase. The food damage and loss of human life etc. Were assessed, proper enquiry were done. House damage enquiry and entry were done on day and overnight basis and reported to the district.

#### **Perspective Plan to Tackle Such Situation :**

After Assessment of damage, following plans had been adopted to overcome /reduce damage in future :

**Repairing damaged Road :** At the initial phase after water level receded, effort has been taken to repair damaged /washed roads. Temporary repair work has been initiated by all Gram Panchayats as per instruction from higher authority. After through assessment, proposal for road repair was sent to the district. Already, the district has taken mentionable initiative and arrangement to repair roads such as the one from Daulatpur to Pirtala (Via Bagduar). Many other roads are being repaired and being built.

**Repairing/Strengthening Damaged Embankment :** Already with the help of Irrigation department, NBDD and the District Magistrate, Dakshin Dinajpur and the Sub-Divisional Officer, Gangarampur at Buniadpur, embankments and bandhs which got affected during the flood are being repaired. Such convergence work is a success. Through MGNREGS work, already, Gram Panchayats like Ganguria have taken measures to repair earthen Bandhs and roads.

#### **Long-Time Perspective Plan :**

**The following measures have been taken to overcome such situation in future :**

**Increasing the Water carrying Capacity of River Tangon and Kharis :** Through MGNREGS, vast plan has been taken to excavate drying Kharis and increase their depths all along Banshihari. Not only that, plans has been taken to build check dams and reservoirs across the river Tangon. Excavation of Big Water reservoirs, like Beel Barail has been planned and proposal has been sent to the higher authority. The work will be done in convergence mode. So that, water retentively, ground water replenishment issues are tackled alongwith increasing water carrying capacity of the rivers. This will also, in the long run, will bring back the waterways system of transport, which at one point of time was popular in West Bengal.

**Permanent repair of Damaged/Weak embankment :** Through joint visit with irrigation department officials, plans are being taken for permanent repair of weak bandhs, which would not be possible by any other department. Also, two points, one at Sihole and other at Jaydebpur had been are being considered where proposal for making sluice gate are being processed.

**Building More Flood Relief Centres :** At present, there is only one flood relief camp, at Bagduar. There has been proposal for construction of three more Flood Relief Centres. Out of these three, fund has already been provided for construction of one flood relief Centre at Jamar under Ellahabad G.P.

**Office and Health Centre Management /Law and order issue :** Master plan is being made to get rid of the problem of water logging in Rashidpur RHC. The Banshihari Police station is also situated adjacent to the river Tangon and was inundated. Plan is being proposed for making adequate arrangement for new construction. The Banshihari police Station has no Speed Boat and at the time of Flood Like Situation, Speed Boats are a must for speedy patrol duty. Two speedboats be urgently provided to Banshihari Police station. Also, the Banshihari Block Office is constructed over a rather small area. For better keeping of relief materials and other necessary things, accommodation, a bigger place is a must. There is a low land in the South side of Block, the said area may be provided to the Block so that the area of Block Office be increased to serve people in a better way.

**HRD and Communication:** Plan has been made to sit with NGOs and other Voluntary Organisations, Clubs and other Individuals. Particulars/database in respect of them has already been prepared. Weather forecasts are being shared with offices under the Block. Some clubs, NGOs and Voluntary Organisation had done a Yeoman's Service during the flood like time. It would be highly helpful, if these organisations can be used more cohesively in future and in every sphere so that their service can be utilized from the very beginning. IEC activities, mock drills are being arranged at Schools, Colleges etc. To train future generation to cope up with any kind of crisis. Not only that, they are being encouraged to take up such kind of profession as career option. It would be even better, if such trainings are incorporated in curriculum and kind attention of the authority concerned is being invited towards this. People are also being trained to take lesson from previous mistakes and keep foodgrains in safe jars so that those can be preserved at the time of crisis.

**Proper Drainage Facility and Future Building Plan:** The issue of water logging is a very serious one all over the world particularly in the cities and in developed areas. Lack of adequate drainage system and unplanned house construction is one of the main reasons for this. Master plan has been made to improve drainage system of Buniadpur

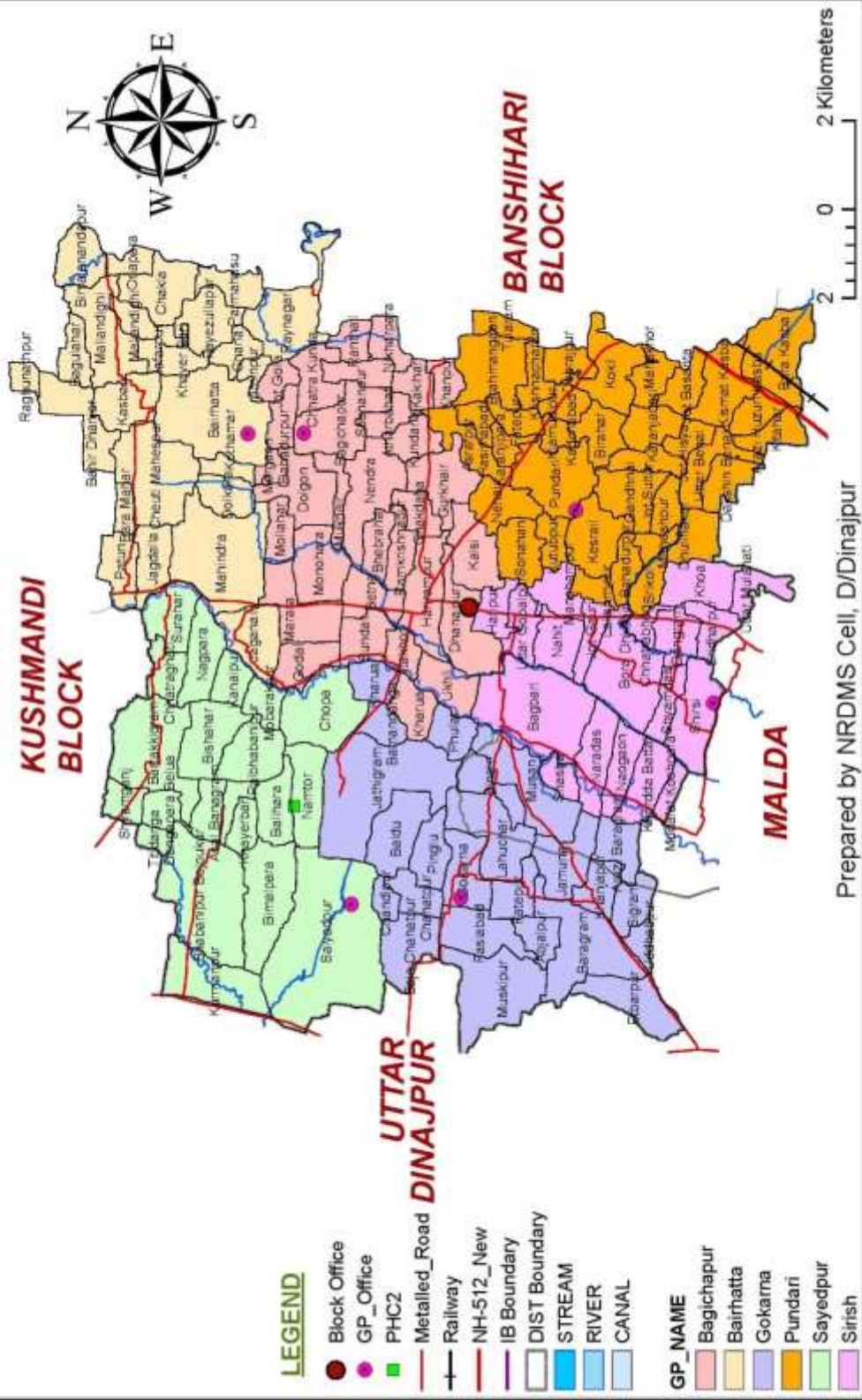


Municipality and Gram Panchayat areas. Already, the Gram Panchayats have been strictly instructed to follow the new House Building Rules and not to give permission to make any un-authorized construction, particularly in the low land areas or along the natural water passages.

**Large Scale Plantation:** Through NREGS, large scale plantation of various kinds of trees is being done to tackle the issue of Global Warming & increasing income of local people.

## 8. Harirampur Development Block

# ADMINISTRATIVE MAP OF HARIRAMPUR BLOCK



### **Block Profile:**

|                                       |  |
|---------------------------------------|--|
| 1. Name of the Block                  | : Harirampur Development Block   |
| 2. Address                            | : Vill: Dhanaipur, P.O.: Harirampur,<br>P.S. : Harirampur, Dist.: Dakshin Dinajpur   |
| 3. Date of Inauguration of the Block  | : Estd. 16.08.1996<br>: Function 01.09.1996  |
| 4. Geographical area of the Block     | : <b>214.6 sq. km.</b>   |
| 5. Main river                         | : <b>Shreemanti</b>  |
| 5. Total population of the Block      | : <b>145617</b>  |
| 6. Number of Gram Panchayat with name | : <b>6 (Six); Bagichapur, Bairhatta, Pundari,<br/>Gokarna, Shirshi, Saiyedpur</b>  |
| 7. Name of vulnerable G.P.            | : <b>Saiyedpur, Gokarna, Shirshi, Bagichapur,<br/>Bairhatta.</b>   |
| 8. Number of Mouza                    | : 155 (One hundred fifty five)   |
| 9. Number of Gram Sansad              | : 98   |
| 12. Number of Flood Shelter           | : One Flood Rescue Centre with two rooms (plinth area<br>1000 sq. ft.) at Nauga, Shirshi Gram Panchayat.<br>Another one at Harirampur is under construction. |
| 14. Number of trained C.D. volunteers | : 50 Nos.  |
| 15. Important Telephone No.           | : Annexure   |

### **\*Background of Flood in Harirampur Block:**

Harirampur Block is situated at the border of the District and remotest one. Various kinds of disaster may occur in this block now and then. If flood water of the Mahananda River enters from Itahar Block and across the N.H. 34 to Saiyedpur and Gokarna G.P., it will attack to the bundh which is situated at about 6 km starting from Shyamganj Sagardighi to Gokarna. If the bundh breaks then more or less 50 (fifty) thousand people living within the area of Saiyedpur G.P., Gokarna and Shirshi will be seriously affected. Even, if the river Tangon overflows then flood water of the Shrimati River may enter and affect to Bairhatta, Bagichapur and Shirshi G.P. also.

### **\*Pre Flood Measure:**

As soon as the Message in respect of any calamity will be received from the higher authority, the same will be communicated to the concerned Pradhans through the under noted telephones and sometimes through special messenger. They are also requested to make necessary arrangement for warning of the villagers about the calamity through miking. In this connection, it may be noted that at the time of devastating flood the telephone does not function properly due to failure of communication; at that time sending of information by special messenger may be useful tool to combat the situation.

### **\*Post Flood Measure:**

Medical team is to be deputed to prevent outbreak of Cholera, diarrhea and other epidemic diseases. P.H.E. staff would be deployed for disinfections of tube-wells for keeping safe drinking water at different effected villages in different Gram Panchayat areas.

B.L.D.O. with his team will have to be engaged for distribution of antiseptic medicine, injections for FMD disease etc. for cow, bullock, buffaloes, goats etc. Cattle feed such straw, fodder, Himul etc would be supplied from Agriculture Department to distribute the same to the destitute families of different affected villages.

Arrangement for removal of debris and disposal of dead bodies will be made forth with. **Quick Responsive Team** will have to enquire into the fully / partly dwelling house of the indigent families regarding financial assistance to house building and enquire into the death caused due to flood regarding exgratia grants to its' kins.

### **\*List of Country Boat Owners:**

The Block does not have any country boat. Hence, country boats and speed boats are demanded for rescue operation during flood.

| Sl.No. | Name of G.P. | Name of Country Boat Owner | Available Con Mob.No. |
|--------|--------------|----------------------------|-----------------------|
| 1      | Bagichapur   | Nil.                       | Nil.                  |
| 2      | Pundari      | Kabir Alam                 | 9732270738            |
| 3      | Pundari      | Lutfar Rahaman             | 9733108269            |
| 4      | Pundari      | Sajjad Hossain             | 9734041297            |
| 5      | Pundari      | Fajijur Rahaman            | 7797446731            |
| 6      | Gokarna      | Allauddin                  | 9635370389            |

**Proposed Helipad during emergency:**

1. Dangram I.C. High School ground, Shirshi Gram Panchayat.  
(Lat- 25°19.297'; Lon- 88°16.706')
2. Khyerbari Balihara High School field, Saiyedpur Gram Panchayat.  
(Lat- 25°23.337'; Lon- 88°13.412')
3. Harirampur ASDM High School ground, Bagichapur Gram Panchayat.  
(Lat- 25°22.685'; Lon- 88°15.876')
4. Gram Panchayat Office, Gokarna Gram Panchayat.  
(Lat- 25°22.165'; Lon- 88°11.904')

**\*\*Gram Panchayat wise vulnerable village and flood shelter:**

| Name of the Gram Panchayat:      Shirshi Gram Panchayat |                 |                  |                             |               |   |
|---|-----------------|------------------|-----------------------------|---------------|---|
| Vulnerable village                                      |                 | Population (no.) | Flood shelter               |               | Safest & shortest rout for evacuation                     |
| Sl. No.   | Name            |                  | Name                        | Capacity(no.) |   |
| 1   | Shirshi         | 1764             | Dangram I.C. High School    | 5600          | Shirshi → Shyamdas → Dangram I.C. High School             |
| 2   | Dangram Dakshin | 1008             |                             |               | Dangram → Dangram I.C. High School                        |
| 3   | Dangram Uttar   |                  |                             |               | Khoapara → Dangram I.C. High School                       |
| 4   | Shasa           | 818              |                             |               | Shasa→ Dangram I.C. High School                           |
| 5   | Bora            | 1554             |                             |               | Bora → Muniapukur → Bahadurpur → Dangram I.C. High School |
| 6   | Nagaow          | 444              |                             |               | Nagaow → Dangram I.C. High School                         |
| 7   | Nahit Dakshin   | 810              | Harirampur ASDM High School | 8000          | Nahit Dakshin → Gopalpur → School                         |
| 8   | Nordas          | 1545             |                             |               | Nordas → Bagbari → High School                            |
| 9   | Nahit Uttar     | 1233             |                             |               | Nahit → Gopalpur → Harirampur ASDM High School            |
| 10  | Bagbari         | 1657             |                             |               | Bagbari → Gopalpur → Harirampur ASDM High School          |

| Name of the Gram Panchayat: Saiyedpur Gram Panchayat |               |                  |                                 |                |                                       |
|--|---------------|------------------|---------------------------------|----------------|---------------------------------------|
| Vulnerable village                                   |               | Population (no.) | Flood shelter                   |                | Safest & shortest rout for evacuation |
| Sl. No.  | Name          |                  | Name                            | Capacity (no.) |                                       |
| 1.1  | Balihara      | 1208             | Khayerbari Balihara High School | 5000           | Balihara → School                     |
| 1.2  | Namtor        | 532              |                                 |                | Namtor → P.H.C. → School              |
| 2  | Khayerbari    | 1056             |                                 |                | Khayerbari → School                   |
| 3.1  | Baje Banagram | 439              |                                 |                | Baje Banagram → khayerbari → School   |

|     |                    |      |                       |                                |   |
|-----|--------------------|------|-----------------------|--------------------------------|---|
| 3.2 | Asol Banagram      | 798  |                       |                                | Asol Banagram → Baje Banagram → Khayerbari → School                   |
| 4   | Paul Bhabanipur    | 469  |                       |                                | Paul Bhabanipur → Asol Banagram → Baje Banagram → Khayerbari → School |
| 5.1 | Bimal Para         | 1601 | Bimalpara F.P. School | 1600                           | Bimal Para → School   |
| 5.2 | Chakgharua         |      |                       |                                | Chakgharua → School   |
| 5.3 | Boildakuri         |      |                       |                                | Boildakuri → School   |
| 5.4 | Tuntunia Para      |      |                       |                                | Tuntunia Para → School  |
| 6.1 | Kanaipur           | 393  | Mahendra High School  | 5000                           | Kanaipur → Mobarakpur → Kanaipur → Pustol → Jognail → School          |
| 6.2 | Uttar Mobarakpur   | 541  |                       |                                | Uttar Mobarakpur → Kanaipur → Pustol → Jognail → School               |
| 6.3 | Dakshin Mobarakpur |      |                       |                                | Dakshin Mobarakpur → Kanaipur → Pustol → Jognail → School             |
| 7   | Bartakigram        | 2249 |                       |                                | Bartakigram → Shyamganj → Jogdala → School                            |
| 8.1 | Nagpara            | 609  |                       |                                | Nagpara → Chhatraghati → Jogdala → School                             |
| 8.2 | Chhatraghati       | 591  |                       |                                | Chhatraghati → Jogdala → School                                       |
| 8.3 | Sunahar            | 608  |                       |                                | Sunahar → Chhatraghati → Jogdala → School                             |
| 9.1 | Shyamganj          | 470  | Shyamganj F.P. School | 1000                           | Shyamganj → School  |
| 9.2 | Belua              |      |                       |                                | Belua → School  |
| 9.3 | Dungapara          |      |                       |                                | Dungapara → School  |
| 10  | Saiyedpur Purba    | 4495 | Saiyedpur F.P. School | 2500                           | Saiyedpur Purba → School  |
| 11  | Saiyedpur Paschim  |      |                       |                                | Saiyedpur Paschim → School  |
| 12  | Saiyedpur Nayapara |      |                       | Saiyedpur Nayapara F.P. School | 2000  |

| Name of the Gram Panchayat: Gokarna Gram Panchayat |                   |                 |                       |                |  |
|--|-------------------|-----------------|-----------------------|----------------|--|
| Vulnerable village                                 |                   | Population(no.) | Flood shelter         |                | Safest & shortest rout for evacuation        |
| Sl. No.  | Name              |                 | Name                  | Capacity (no.) |  |
| 1  | Jathigram         | 1345            | Jathigram F.P. School | 1500           | Jathigram → School                           |
| 2  | Kharua            | 897             | Kharua F.P. School    | 1000           | Kharua → School                              |
| 3  | Boldu             | 1754            | Boldu F.P. School     | 1800           | Boldu → School                               |
| 4  | Chandipur         | 888             | Chandipur High school | 5000           | Chandipur → School                           |
| 5  | Gokarna           | 724             |                       |                | Gokarna → Dosthura More → School             |
| 6  | Fasiabad          | 1583            |                       |                | Fasiabad → Khirkuri → School                 |
| 7  | Muskipur          | 1789            |                       |                | Muskipur → Kalaibari → School                |
| 8  | Baragram          | 1668            | Lahuchar High School  | 4000           | Baragram → Panchayat Office → School         |
| 9  | Jamuna & Lahuchar | 2415            |                       |                | Jamuna → Mission → Panchayat Office → School |
| 10   | Muson & Binair    | 2764            | Muson F.P. School     | 2500           | Muson / Binair → School                      |
|  |                   |                 | Flood shelter         | 250            | Muson → Benair → Flood shelter               |

| Name of the Gram Panchayat: Bagichapur Gram Panchayat |                          |                 |                              |                |  |
|---|--------------------------|-----------------|------------------------------|----------------|--|
| Vulnerable village                                    |                          | Population(no.) | Flood shelter                |                | Safest & shortest rout for evacuation    |
| Sl. No.   | Name                     |                 | Name                         | Capacity (no.) |  |
| 1   | Kolsi                    | 958             | Kalshi F.P. School           | 1000           | Kalsi → School                           |
| 2   | Harirampur Hospital      | 4803            | Harirampur ASDM High School  | 8000           | Harirampur → Chowringhee → School        |
| 3   | Harirampur Paschim Pally |                 |                              |                | Harirampur Paschim Pally → School        |
| 4   | Harirampur               |                 |                              |                | Harirampur → School                      |
| 5   | Dhanaipur                | 1864            | Dhanaipur F.P. School        | 2000           | Dhanaipur → School                       |
| 6   | Betna                    | 847             | Betna F.P. School            | 1000           | Betna → School                           |
| 7   | Ukhali                   | 852             | Ukhali F.P. School           | 1000           | Ukhali → School                          |
| 8   | Sundoli                  | 1163            | Sundoli F.P. School          | 1200           | Sundoli → School                         |
| 9.1   | Gurkher                  | 1884            | Gurkher F.P. School          | 2000           | Gurkher → School                         |
| 9.2   | Amrakuri                 |                 |                              |                | Amrakuri → School                        |
| 10.1  | Kundana                  | 675             | Kundana F.P. School          | 1000           | Kundana → School                         |
| 10.2  | Jolkuria                 |                 |                              |                | Jolkuria → School                        |
| 11.1  | Dolgram                  | 1314            | Dolgram F.P. School          | 1500           | Dolgram→ School                          |
| 11.2  | Kothapara                |                 |                              |                | Kothapara→ School                        |
| 11.3  | Mollahar                 | 593             | Betna Ramkrishne High School | 3000           | Mollahar → Bhebrahar → School            |
| 12.1  | Monohara                 | 964             |                              |                | Monohara → Dungapara → School            |
| 12.2  | Dungapara                | 230             |                              |                | Dungapara → School                       |
| 13  | Bisapukur                | 624             |                              |                | Bisapukur → Nendra → Vebrahar → School   |
| 14  | Golagram                 |                 |                              |                | Golagram → Ronthali → Bisapukur → School |
| 15  | Nendra                   |                 |                              |                | Nendra → Vebrahar → School               |
| 16  | Kakihar                  | 585             |                              |                |  |

#### Q.R.T. for Block Head Quarter:

| Sl. No. | Name of Officer & staff  | Designation | Contact number |
|---------|--------------------------|-------------|----------------|
| 1       | Sri Basudeb Sarkar       | B.D.O.      | 8373069037     |
| 2       | Sri Md. Musfeqoos Salhen | Jt.B.D.O.   | 9732122295     |
| 3       | Sri Arup Chakraborty     | S.A.E.(C)   | 9434305465     |
| 4       | Sri Amit Majumder        | F.E.O.      | 9831763167     |
| 5       | Sri Kousik Kar           | PA & AO     | 8910590837     |
| 6       | Sri Soumen Saha          | UDA         | 7872818808     |
| 7       | Sri Natipur Rahaman      | D.E.O.      | 9800992852     |
| 9       | Smt. Swarnali Roy        | Gr. D.      | 9851197267     |
| 10      | Smt. Shisata Sarkar      | Gr. D       | 8768395844     |

#### Q.R.T. for Gram Panchayat:

| Name of Gram Panchayat: Shirshi Gram Panchayat |                         |                       |                |
|--|-------------------------|-----------------------|----------------|
| Sl. No.  | Name of Officer & staff | Designation           | Contact number |
| 1  | Sri Rafiqul Islam       | S.E.O. (Group Leader) | 9474442272     |
| 2  | Smt. Bratati Panchanan  | Secretary,.           | 9434968361     |
| 3  | Sri Dulal Bhuimali      | G.P.Karmee            | 9564712428     |
| 4  | Saiyed Mostafa Ali      | Sahayak               | 9851435102     |

|   |                    |             |            |
|---|--------------------|-------------|------------|
| 5 | Sri Biswanath Tudu | G.P.Karmee, | 9733093487 |
|---|--------------------|-------------|------------|

| Name of Gram Panchayat: |                         | Saiyedpur Gram Panchayat |                |
|-------------------------|-------------------------|--------------------------|----------------|
| Sl. No.                 | Name of Officer & staff | Designation              | Contact number |
| 1                       | Sri Kousik Kar          | PA & AO                  | 8910590837     |
| 2                       | Sri Natabar Kundu       | E.A.                     | 8927067749     |
| 3                       | Sri Ashish Mandal       | N.S.                     | 8436278910     |
| 4                       | Sri Golam Mortuja       | Sahayak                  | 9734536168     |
| 5                       | Sri Mantu Das           | G.P.<br>Karmee           | 9593905225     |

| Name of Gram Panchayat: |                         | Gokarna Gram Panchayat            |                |
|-------------------------|-------------------------|-----------------------------------|----------------|
| Sl. No.                 | Name of Officer & staff | Designation                       | Contact number |
| 1                       | Sumit Choudhuri         | Executive Assistant(Group Leader) | 7585093089     |
| 2                       | Sri Jana Mardi          | Secretary                         | 8159868432     |
| 3                       | Sri Shib Sankar Mandal  | N.S.                              | 7602050353     |
| 4                       | Md. Mojaffar Hossain    | Sahayak                           | 9733179034     |
| 5                       | Sri Biren Sarkar        | G.P. Karmee                       | 9609956384     |
| 6                       | Sri Najrul Islam        | G.P. Karmee                       | 9733076546     |

| Name of Gram Panchayat: |                         | Bagichapur Gram Panchayat |                |
|-------------------------|-------------------------|---------------------------|----------------|
| Sl. No.                 | Name of Officer & staff | Designation               | Contact number |
| 1                       | Sri Rabindra Nath Kisku | DSPTS(Group Leader)       | 9593966859     |
| 2                       | Sri Badiur Jaman        | E.A.                      | 9732413558     |
| 3                       | Sri Sanatan Sarkar      | Secretary                 | 9775921244     |
| 4                       | Sri Tapash Mandal       | N.S.                      | 9679830055     |
| 5                       | Sri Arunangshu Ghosh    | Sahayak                   | 9734977053     |
| 6                       | Sri Faruk Siddique      | G.P. Karmee               | 9733181157     |
| 7                       | Chaiatanya Das          | G.P.Karmee                | 7076605403     |

| TELEPHONE DIRECTORY                 |                       |                             |   |                                 |  |
|-------------------------------------|-----------------------|-----------------------------|---|---------------------------------|--|
| Block: Harirampur Development Block |                       |                             | District: Dakshin Dinajpur                                  |                                 |  |
| Sl. No.                             | Name                  | Institution                 | Designation   | Contact no. (O/R/M)             | Fax / e-mail                                     |
| 1                                   | Smt. Basudeb Sarkar   | Hariampur Development Block | B.D.O.  | 8373069037(M)<br>03524265139(O) | 03524-265147(Fax)<br>bdoharirampur@g<br>mail.com |
| 2                                   | Sri Madhumita Roy     | Harirampur Panchayat Samity | Savapati  | 9609828813                      |  |
| 3                                   | Dr. Soubhik Alam      | Harirampur B.P.H.C.         | B.M.O.H.  |                                 | 03524-265110                                     |
| 4                                   | Sri Ashim Kumar Gope  | Harirampur Police Station   | I.C.  | 9735010329                      | 03524-265146                                     |
| 5                                   | Sri Golam Mostafa     | Harirampur Panchayat Samity | Sahakari Savapati   | 7407068367                      |  |
| 6                                   | Smt. Tahasina Parvin  | Harirampur Panchayat Samity | Karmadhakshya, Sishu<br>O Nari Unnayan<br>Janakalyan O Tran | 7479027167                      |  |
| 7                                   | Sri Pren Chand Nuniya | HRP. P.S.                   | P.S. Member   |                                 |  |
| 8                                   | Sri Raghunath Sarkar  | HRP. P.S.                   | P.S. Member   |                                 |  |
| 9                                   | Smt. Masedur Rahaman  | HRP. P.S.                   | P.S. Member   |                                 |  |
| 10                                  | Sri Saidur Rahaman    | HRP. P.S.                   | P.S. Member   |                                 |  |
| 11                                  | Smt. Tahasina Parvin  | HRP. P.S.                   | P.S. Member   |                                 |  |
| 12                                  | Smt. Khalilur Rahaman | HRP. P.S.                   | P.S. Member   |                                 |  |
| 13                                  | Smt. Papiya Biswas    | HRP. P.S.                   | P.S. Member   |                                 |  |

|    |                           |                           |                     |            |                             |
|----|---------------------------|---------------------------|---------------------|------------|-----------------------------|
| 14 | Smt. Sufal Soren          | HRP. P.S.                 | P.S. Member         |            |                             |
| 15 | Sri Gita Rani Mahato      | HRP. P.S.                 | P.S. Member         |            |                             |
| 16 | Sri Basanti Das           | HRP. P.S.                 | P.S. Member         |            |                             |
| 17 | Sri Elija Tudu            | HRP. P.S.                 | P.S. Member         |            |                             |
| 18 | Smt. Nimai Chandra Sarkar | HRP. P.S.                 | P.S. Member         |            |                             |
| 19 | Smt. Akbar Ali            | HRP. P.S.                 | P.S. Member         |            |                             |
| 20 | Smt. Chagli Hasda         | HRP. P.S.                 | P.S. Member         |            |                             |
| 21 | Smt. Husnara Chowdhury    | HRP. P.S.                 | P.S. Member         |            |                             |
| 22 | Sahanaj Parvin            | Saiyedpur Gram Panchayat  | Pradhan             |            | saiyedpur@gmail.com         |
| 23 | Natabar Kundu             | ~do~                      | Executive Assistant | 8927067749 |                             |
| 24 | Chaitannaya Besra         | Gokarna Gram Panchayat    | Pradhan             | 8327897041 | gokarna.panchayat@gmail.com |
| 25 | Jana Mardi                | ~do~                      | Secretary           | 8159868432 |                             |
| 26 | Anjana Sarkar             | Shirshi Gram Panchayat    | Pradhan             | 9064387506 | gshirshi@gmail.com          |
| 27 | Smt. Binodini Barman      | Pundari Gram Panchayat    | Pradhan             | 6297059995 | pundarigp@gmail.com         |
| 28 | Chiraranjan Bhadra        | ~do~                      | Executive Assistant | 9735025979 |                             |
| 29 | Goljar Alam               | Bagichapur Gram Panchayat | Pradhan             | 9775831075 | bagichapur.gp@gmail.com     |
| 30 | Badiur Jaman              | ~do~                      | Executive Assistant | 9732413558 |                             |
| 31 | Rohini Debsharma Sarkar   | Bairhatta Gram Panchayat  | Pradhan             | 9647814952 | bairhattagp@gmail.com       |
| 32 | Dulal Ch Das              | ~do~                      | Executive Assistant | 9775490116 |                             |

| Name of Gram Panchayat: |                         | Bairhatta Gram Panchayat |                       |  |
|-------------------------|-------------------------|--------------------------|-----------------------|--|
| Sl. No.                 | Name of Officer & staff | Designation              | Contact number        |  |
| 1                       | Sri Shibesh Kr. Sekh    | A.P.O. (Group Leader)    | 8902639714            |  |
| 2                       | Sri Dulal Ch Das        | E.A.                     | 8768716636/9775490116 |  |
| 3                       | Sri Sarfaraj Ahamed     | Secretary                | 9733192760            |  |
| 4                       | Sri Shambhunath Saha    | Sahayak                  | 9635512870            |  |
| 5                       | Sri Jamsed Ali          | G.P. Karmee              | 9733128329            |  |
| 6                       | Sri Plash Mandal        | G.P. Karmee              | 9733198722            |  |

| Name of Gram Panchayat: |                          | Pundai Gram Panchayat |                |  |
|-------------------------|--------------------------|-----------------------|----------------|--|
| Sl. No.                 | Name of Officer & staff  | Designation           | Contact number |  |
| 1                       | Sri Sadhan Paul          | B.I.O. (Group Leader) | 9733383545     |  |
| 2                       | Sri Chiraranjan Bhadra   | E.A.                  | 8116027783     |  |
| 3                       | Sri Santosh Sarkar       | Secretary             | 9733403054     |  |
| 4                       | Sri Sudipta Das          | Nirman Sahayak        | 9775954981     |  |
| 5                       | Sri Shekhar Banerjee     | Sahayak               | 9734055243     |  |
| 6                       | Sri Ranjit Mahanta       | Sahayak No.II.        | 9647801947     |  |
| 7                       | Sri Anandalal Roy        | G.P. Karmee           | 9733140735     |  |
| 8                       | Sri Majibur Rahaman      | G.P. Karmee           | 9733155738     |  |
| 9                       | Sri Biraj Chandra Sharma | G.P. Karmee           | 8001623764     |  |

| Sl.No. | Name of G.P. | Name of Employee    | Designation | Available Con Mob.No. |
|--------|--------------|---------------------|-------------|-----------------------|
| 1      | Pundari      | Chira Ranjan Bhadra | E.A.        | 8116027783            |
| 2      | Pundari      | Santosh Sarkar      | Secretary   | 9733403054            |
| 3      | Pundari      | Sudipta Das         | N.S.        | 9775954981            |
| 4      | Pundari      | Shekhar Banerjee    | Sahayak-I   | 9734055243            |



|    |            |                     |                   |            |
|----|------------|---------------------|-------------------|------------|
| 5  | Pundari    | Mojibar Rahaman     | G.P.Karmee.       | 9733155738 |
| 6  | Pundari    | Anandalala Roy      | G.P.Karmee        | 9733140735 |
| 7  | Pundari    | Birah Ch.Sarkar     | G.P.Karmee        | 8001623764 |
| 8  | Pundari    | Ranjit Mahanta      | Sahayak-II        | 9647801947 |
| 9  | Bagichapur | Badiur Jaman        | E.A.              | 9732413558 |
| 10 | Bagichapur | Sanatan Sarkar      | Secretary         | 9775921244 |
| 11 | Bagichapur | Tapash Mandal       | N.S.              | 9679830055 |
| 12 | Bagichapur | Arunangshu Ghosh    | Sahayak           | 9734977053 |
| 13 | Bagichapur | Faruk Siddique      | G.P.Karmee        | 9733181157 |
| 14 | Bagichapur | Chaiatanya Das      | G.P.Karmee        | 7076605403 |
| 15 | Bagichapur | Surajit Pandey      | V.L.E.            | 9614205424 |
| 16 | Gokarna    | Sumit Choudhuri     | E.A.              | 7585093089 |
| 17 | Gokarna    | Jana Mardi          | Secretary         | 8159868432 |
| 18 | Gokarna    | Shib Shankar Mondal | N.S.              | 7602050353 |
| 19 | Gokarna    | Mojaffar Hossain    | Sahayak           | 9733179034 |
| 20 | Gokarna    | Biren Sarkar        | G.P.Karmee        | 9609956384 |
| 21 | Gokarna    | Najrul Islam        | G.P.Karmee        | 9733076546 |
| 22 | Gokarna    | Bipul Ch. Das       | Gram Rojgar Sevok | 9593911794 |
| 23 | Gokarna    | Prabir Sarkar       | Casual Labour     | 8972210472 |
| 24 | Gokarna    | Anup Kr. Sarkar     | V.L.E.            | 9647877686 |
| 25 | Gokarna    | Biplab Das          | S.T.P.            | 8371891029 |
| 26 | Gokarna    | Shah Nawaj Abedin   | Casual Labour     | 9083702335 |
| 27 | Shirshi    | Badiur Jaman        | E.A-In-Charge     | 9732413558 |
| 28 | Shirshi    | Sudipta Das         | N.S-In-Charge     | 9775954981 |
| 29 | Shirshi    | Bratati Panchanan   | Secretary         | 9434968361 |
| 30 | Shirshi    | Syed Mostafa Ali    | Sahayak           | 9851435102 |
| 31 | Shirshi    | Ranjit mahanta      | Sahayak           | 9647801947 |
| 32 | Shirshi    | Dulal Bhuimali      | G.P.Karmee        | 9564712428 |
| 33 | Shirshi    | Biswanath Tudu      | G.P.Karmee        | 9733093487 |
| 34 | Shirshi    | Amitabha Roy        | STP               | 9609995074 |
| 35 | Bairhatta  | Md. Hajibulla       | GRS               | 9126186030 |
| 36 | Shirshi    | Dipu Sarkar         | VLE               | 8158043712 |
| 37 | Shirshi    | Khalelur Rahaman    | GPCAA             | 9775418143 |
| 38 | Shirshi    | Amar Nath Mudi      | Tax Collector     | 9735913356 |

### **Experience of FLOOD in 2017 :**

This block, Harirampur Development Block had been affected by the flood of river Shrimati. Most of the house of the villages under this block and made off with soil and bamboos. So the flood causes water lock around the houses of these villages for which the hours had been damaged fully or partially.

Harirampur Block was badly affected by a devastating flood from the afternoon of 15<sup>th</sup> August, 2017 and villages of 3 (three) Gram Panchayat out of 6 (six) remained locked by water about 25 (twenty five) days. I have ever earned a very bitter experience on those days. Peoples were leaving their house with tears for a safe shelter. They were carried their essential goods, cattle, etc. On those days their condition were very miserable. Peoples were compelled to sleep under the sky. They were crying for safe drinking water and food. Small Children were crying for food. I with the staff of Harirampur Block were hardly trying to reach to the miserable people to help.

### **Lacks**

We had tried our best to help all kind of helpings for miserable peoples but although there were some lacks to reach with help to the victimized people. Peoples were aggrieved for non reaching of helping in times. Few lacks are mentioned below –

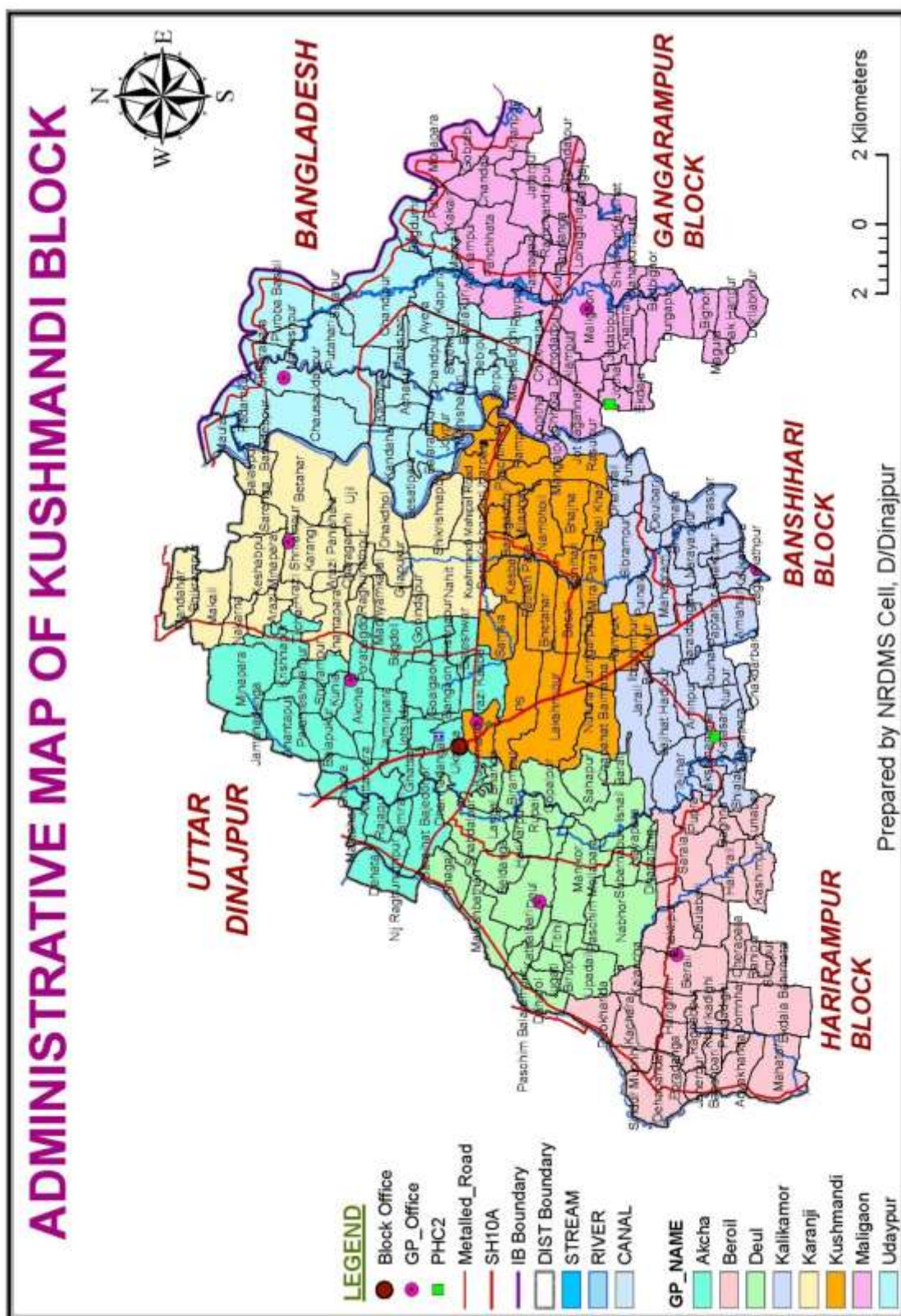
1. There were not enough stock of Dry Food, medicine, rice, etc.
2. There were not source of packaged safe drinking water.
3. There were not availability of Country Boat or Speed Boat.
4. There were not enough stock of Tarpaulin.

### **Learning Points :**

The following measures may be taken up in advance to avoid any delay to reach help to the flood affected people and to avoid any public grievances at the time of flood situation –

1. Make available stock of Tarpaulin.
2. Make available enough stock of dry food, safe drinking water package.
3. Make available of Country Boat/Speed Boat.
4. Create awareness among the people.
5. Construction of Flood Shelter.

## 9. Kushmandi Development Block



The following officers and staff are hereby deployed in flood duty as a precautionary measure to combat the flood like situation that may arise during the monsoon prevailing in the block. The officials

concerned are instructed to be on high alert and jump into action when the situation so demands (Specially for Monsoon period i.e. w.e.f. June to October). They are also requested to keep liason with the gram Panchayats and the undersigned for this purpose. It is reminded that relief duty is mandatory duty and any staff avoiding or trying to avoid such duty will be strictly dealt with.

| Team No. | Name of the Officials                         | Contact No. | Area of Operation(Village) & Concerned Flood Shelter                      | Concerned Flood shelter                            | Role of the Team leader and other officials  |
|----------|---|-------------|---|--|--|
| 1        | 1) Subhra Kr. Saha ,SAE(BPC)                  | 9434425488  | Rampurghat,Mahishakuri,Besatipara   | Mangalpur High School                              | Subhra Kr. Saha ,SAE(BPC) is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should close contact to the Prodhan, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims.      |
|          | 2) Biswadeep Sarkar, UDC                      | 7001566577  | Balarampur,Laxijal Dophia,Jaypur  |  |  |
|          | 3) Kesto Pahan U.D.C.                         | 9647517758  | Uttarpara,Mangalpur, Shibkrishnapur                                       |  |  |
|          | 4) Binay Paul, T.A.                           | 9800409624  | Mohaonganj, achroil, Palashbari,Kanthoil                                  |  |  |
|          | 5) Dipankar Dutta, OCM                        | 9593890333  | Dhakdhol  | Dhakdhol H.S School                                |  |
|          | 6) Sambhu Nath Saha, G.P. Karmee, Karanji G.P | 9474139118  | Rosulpur, Choto Damodarpur  | Mangalpur High School                              |  |
|          | 7) Sushanta Paul,G.P. Karmee,Karanji G.P.     | 8145755156  |   |  |  |
| 2        | 1) Saikat Sikdar, IMW                         | 9800869630  | Chousa,Kadamkuri, Udaypur, Kandaha, Mahipal,Debipur, Sherpur (G.P. No. 3) | 1.Chousa High School<br>2.Udaypur F.P School       | Surajit Dey, IMW is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should keep close contact to the Prodhan, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They have to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims.     |
|          | 2) Rabiul Islam, A.O.                         | 9733452807  |   |  |  |
|          | 3) Kamal Sarkar,E.A.,Maligaon G.P.            | 8967137137  |   |  |  |
|          | 4) Sudhir Sarkar, OPT                         | 9734935676  |   |  |  |
|          | 5) Dilip Ch. Sarkar, Sahayak, Ksd             | 9733363233  |   |  |  |
| 3        | 1) Shyamal Chandra Roy,SEO                    | 9933145084  | Dikul,Katabari,Gobrabail, Boro Damodarpur (G.P. No.8)                     | 1.Lohaganj High School<br>2.Kathalbari High School | Shyamal Ch. Roy, SEO is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should keep close contact to the Prodhan, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They have to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims. |
|          | 2) Amit Kar, Secretary Udaypur G.P.           | 9734957501  |   |  |  |
|          | 3) Bidhan Roy,A.O.                            | 8768832499  |   |  |  |
|          | 4) Tapan Majumdar,BS                          | 9434246998  |   |  |  |
|          | 5) Humayun Azad, Sahayak, Maligaon G.P.       | 9734980517  |   |  |  |
|          | 6) Sudipta Das, N.S.                          | 9564704648  |   |  |  |
| 4        | 1) Piu Karmakar Singha, SAE (RWP)             | 9851375240  | Kalikamora (G.P. No.7)  | 1.Mahagram MSK<br>2.Aminpur High school            | Piu Karmakar Singha, SAE (RWP) (Relief) is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should keep close contact to the Prodhan, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the   |
|          | 2) Subir Sarkar, SAE (AI)                     | 9434161982  |   |  |  |
|          | 3) Ram Ch. Sarkar, N.S.                       | 9734137967  |   |  |  |
|          | 4) Apurba Das, Opt.                           | 9933715533  |   |  |  |

|   |   |                |                              |   |  |
|---|---|----------------|------------------------------|---|--|
|   | 5) Anarul Haque                           | 96099935<br>26 |                              |   | <p>victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They have to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims.</p>  |
|   | 6) Sanatan Soren, Chowkider               | 86410912<br>70 |                              |   |  |
|   | 7) Habibur Rahaman, Secy.                 | 97332810<br>92 |                              |   |  |
| 5 | 1) Chandan Roy, Dy. Secy.                 | 95932138<br>14 | Kushmandi (G.P. No.4)        | 1.Kushmandi High School<br>2.Nahit High School                              | Chandan Roy, Dy. Secy. is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should keep close contact to the Prodhan, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They have to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims. |
|   | 2) Jagodish Saha, AO                      | 97340105<br>28 |                              |   |  |
|   | 3) Dinanath Rabidas, OCM                  | 97331906<br>24 |                              |   |  |
|   | 4) Avijit Sanyal, OCM                     | 94342204<br>67 |                              |   |  |
|   | 5) Abhijit Roy, N.S.                      | 99326700<br>14 |                              |   |  |
| 6 | 1) Dhiren Hembram, BIO                    | 97490714<br>23 | Akcha (G.P. No.1)            | 1.Ghatsa Primary School<br>2.Parameshwar High School<br>3.Nijuuttarpara MSK | Dhiren Hembram, BIO is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should close contact to the Prodhan, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims.              |
|   | 2) Radheshyam Roy, E.A                    | 94349686<br>58 |                              |   |  |
|   | 3) Prohlad Kr. Ghosh, Sahayak, Akcha G.P. | 80160086<br>52 |                              |   |  |
|   | 4) Noyajis Karim                          | 97685353<br>31 |                              |   |  |
|   | 5) Dilip Majumder, Opt.                   | 94751055<br>85 |                              |   |  |
| 7 | 1) Raja Mohanti, CI                       | 75510360<br>69 | Dehaband, Beroil (G.P. No.6) | 1.Kachra High School<br>2.Beroil F.P School                                 | Bidyut Kr. Mandal, PDO is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should keep close contact to the Prodhan, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They have to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims. |
|   | 2) Santosh Sarkar, GPK                    | 97331927<br>61 |                              |   |  |
|   | 3) Shyamal Aich, KPS                      | 99328132<br>83 |                              |   |  |
|   | 4) Rumanur Islam, Sahayak, Beroil G.P.    | 97334526<br>92 |                              |   |  |
|   | 5) Sudipta Das, N.S.                      |                |                              |   |  |
| 8 | 1) Subrata Barman, Ins. (BCW)             | 96412040<br>40 | Deul (G.P No.5)              | 1.Manikore High School  | Subrata Barman, Ins. (BCW) is the Leader of Team and will conduct to rescue the  |

|                            |                |                          |  |
|----------------------------|----------------|--------------------------|--|
| 2) Protul Mallik,<br>Secy. | 97344879<br>36 | 2.Deul Primary<br>School | victims by Civil defence /local club members/ volunteers etc. He should keep close contact to the Prodhan, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They have to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims. |
| 3) Biswajit Das, E.A       | 97346537<br>84 |                          |  |
| 4) Lalmohan Sarkar,<br>GPK | 80165374<br>06 |                          |  |
| 5) Bapi Ghosh, N.S.        | 90021507<br>41 |                          |  |

### **CONTROL ROOM & REPORTING CELL**

Ph. No. 03524-263486

| Sl. No. | Name of the Officials       | Designation | Contact No.              | Sl. No.                                 | Name of the Officials             | Contact No. |
|---------|-----------------------------|-------------|--------------------------|---|-----------------------------------|-------------|
| 2       | Soham Chowdhury             | Jt. BDO     | 9733109222               | 1                                       | Pradip Singh,<br>Contractual(MDM) | 8926855422  |
| 3       | Adhir Kr. Paul              | BDMO        | 9073938196               | 2                                       | Subhash Nagbanshi,<br>Chowkider   | 9734941430  |
| 4       | Bhobotosh<br>Bhumali        | Head Clerk  | 9364222645               | <b>URGENT REPAIRS &amp; RESTORATION</b> |                                   |             |
| 5       | Shymal Roy<br>Saikat Sikdar | SEO<br>IMW  | 9933145084<br>9800869630 |   |                                   |             |
| 6       | Babli Ghosh                 | WDO         | 7432918061               | Sl. No.                                 | Name of the Officials             | Contact No. |
| 7       | Dhiren Hembram              | BIO         | 9749071423               | 1                                       | Subhra Kr. Saha ,SAE(BPC)         | 9434425488  |
| 8       | Chandrani Das<br>Guho       | OCM         | 9775416841               | 2                                       | Subir Sarkar, SAE (AI)            | 9434161982  |
| 9       | Sarfaraj Ahamed             | UDC         | 9614477732               | 3                                       | Piu Karmakar Singha, SAE<br>(RWP) | 9851375240  |
| 10      | Anarul Haque                | AO          | 9647707269               | 4                                       | Bhaskar Debsingha,<br>Chowkider   | 9153906060  |
| 11      | Rabiul Islam                | AO          | 9733452807               |   |                                   |             |
| 12      | Manideep Roy<br>Sarkar      | CW          | 8348676823               |   |                                   |             |

### **STORE KEEPING & TRANSPORT**

| Sl. No. | Name of the Officials                | Contact No. | The Officials will maintain constant liason with the Team-in-charge and supply relief materials in consultation with Block Dev. Officer & Jt. Block Dev. Officer. |
|---------|--------------------------------------|-------------|---|
| 1       | Babli Ghosh, WDO                     | 8944968583  |   |
| 2       | Noajish Karim, BLF (MIN)             | 9768535331  |   |
| 3       | Sudhir Kr. Sarkar, Opt.              | 9734935676  |   |
| 4       | Kuntal Paul                          | 9547709517  |   |
| 5       | Mojammel Haque Munsu, MDM Accountant | 7407163872  |   |

#### **Name of The Block:- Kushmandi, Dakshin Dinajpur.**

| Name of GP | Sl. No | Name of the Sub-Centre | Name of the H.A(F) | Contact No. of H.A(F) | Name of the 2nd ANM | Contact no. of 2nd ANM |
|------------|--------|------------------------|--------------------|-----------------------|---------------------|------------------------|
| Akcha      | 1      | Ghatsha                | Banasree Kali      | 919475475010          | Ratna sarkar        | 919733392743           |
|            | 2      | Akcha                  | Tanusri Basak      | 919475252294          | <b>Vacant</b>       |                        |
|            | 3      | Rajapur                | Anima Sarkar       | 918900046162          | Dipannita DebSingha | 919434325772           |
|            | 4      | Anantapur              | Kakoli Chanda      | 919734980386          | Kohinur Khatun      | 919734016963           |
| Karanji    | 5      | Keshabpur              | Siuli Roy          | 917478718164          | Ratna Sarkar (2)    | 919593310973           |

|            |    |             |                           |              |                       |              |
|------------|----|-------------|---------------------------|--------------|-----------------------|--------------|
|            | 6  | Makoil      | Papiya Kundu              | 919563649513 | Sukla Roy(Deb Singha) | 919800531791 |
|            | 7  | Nahit       | Ruhul Kesh Ara Begum Amin | 918926292296 | Muktayara Begum       | 917872921898 |
|            | 8  | Dhakdhol    | Marina Khatun             | 919563483816 | Shely Sarkar          | 919735921477 |
| Udaypur    | 9  | Putohari    | Sumitra Soren             | 919933616144 | <b>Vacant</b>         |              |
|            | 10 | Mahipal     | Sutapa Sarkar             | 918145568344 | Jaygun Nehar          | 919733129316 |
|            | 11 | Mahishakuri | Pinki Das Tarafdar        | 919735563028 | Anjali Roy            | 919734187700 |
|            | 12 | Chowsha     | Suchismita Das            | 919531654266 | Mitali Roy            | 919593893934 |
| Kushmandi  | 13 | Kushmandi   | Sabita Putatundu          | 918900223097 | Chhabi Mondal(Dutta)  | 918926353322 |
|            | 14 | Mangalpur   | Minati Putatundu          | 917384567624 | Pritilata Roy         | 91975904167  |
|            | 15 | Laxmipur    | Krishna Sarkar            | 919609820360 | <b>Vacant</b>         |              |
|            | 16 | Basoil      | Mercury Sarkar            | 919474672530 | <b>Vacant</b>         |              |
| Deul       | 17 | Manicore    | Aparna Roy                | 919475717475 | <b>Vacant</b>         |              |
|            | 18 | Sabdapur    | Suparna Mandall           | 917407818628 | Bulbuli Das(Dutta)    | 919733452610 |
|            | 19 | Deul        | Krishna Das               | 919800418168 | Shibani Sikdar        | 919775892232 |
| Berail     | 20 | Beroil      | <b>Vacant</b>             |              | Akhtar Banu           | 919647828122 |
|            | 21 | Adyakhanda  | Rina Chakraborty          | 918145848317 | Aruna Sarkar          | 919475932599 |
|            | 22 | Deokhanda   | Mithu Das                 | 919475610071 | Konika Mandal(Sarkar) | 919735950696 |
|            | 23 | Sarala      | Sangita Paul              | 917872945834 | Dulali Mahato         | 918768033046 |
| Kalikamora | 24 | Aminpur     | Chandra Sarkar            | 919475105128 | Sahida Begum          | 917797953357 |
|            | 25 | Kalikamora  | Tripti Sen (Ghosh)        | 919531547222 | <b>Vacant</b>         |              |
|            | 27 | Shibrampur  | Nasima Pervin             | 919733295571 | Lutfa Begum           | 919593687227 |
| Maligaon   | 28 | Dikul       | Sagorika Das              | 919733433760 | <b>Vacant</b>         |              |
|            | 29 | Nanaharpara | Kamala Rani Sarkar        | 919434983092 | <b>Vacant</b>         |              |
|            | 30 | Panchhata   | Shewli Sabnam             | 918348273272 | Shymali Roy(Sarkar)   | 919733422033 |
|            | 31 | Durgapur    | Sheuli Barman             | 919832596698 | Padma Sarkar          | 919563279427 |

## FLOOD CONTINGENCY PLAN 2019-20

1. NAME OF THE BLOCK: - KUSHMANDI
2. NAME OF THE P.O. :- KUSHMANDI
2. NAME OF THE DIST: - DAKSHIN DINAJPUR

INTRODACTION :- Disaster Management Plan covers a broad range of interventions undertaken Before, during and after a Disaster- to prevent or minimize loss of life and Property, minimize human suffering and hasten recovery.

### BLOCK PROFILE :-

|    |   |   |
|----|---|---|
| 1  | Total Area of the Block                       | 310.50 Sq. Km.  |
| 2  | Total No. of Mouzas                           | 230 Nos.  |
| 3  | Main River                                    | Tangan, Maan, Srimati,Tulai   |
| 4  | River in Zero Level                           | 25' ft.   |
| 5  | River in Danger Level                         | 25'-6" ft.  |
| 6  | Other Channels                                | Baliakhari, Barobil, Vetnai etc.  |
| 7  | Average Rainfall thought the Year             | 1500 mm.  |
| 8  | Total No. of Population                       | 2,15,168 ( As per Census 2011 & projected population)   |
| 9  | Area affected by Flood in Previously (Approx) | 136 Mouzas of different G.P.s (i.e, Akcha, Karanji, Udaypur, Kushmandi, Kalikamora, Maligaon G.P., & partly Beroil & partly Deul G.P. ) |
| 10 | Main Economic Activity of the area            | Cultivation & Small Trades  |



|    |   |  |
|----|---|--|
| 11 | Total Cultivation Land                                      | 27,236 Hec.  |
| 12 | International Border area                                   | 7 Kms (approx) covering Udaypur & Maligaon GP.   |
| 13 | Total No. of Household                                      | 45,133 Nos.  |
| 14 | Name of Flood Shelters.                                     | 1. Mangalpur 2. Chousa   |
| 15 | Name of the rescue centre                                   | As mentioned in Column No. 5 in Order Sheet.   |
| 16 | Name of the Proposed relief Distribution centre.            | Normally through the Gram Panchayat Office and rescue centres,                                   |
| 17 | Name of the place where Relief materials to be stored.      | Kushmandi High School  |
| 18 | Source of Baby Food   | Biswajit Sarkar, Auth. Dealer, Kushmandi, Ph. No. 9593656524                                     |
| 19 | Proposed Helipad  | At Playground of Kushmandi High School   |
| 20 | Alternative roads/Ways or contact                           | None except the conventional State Highway 10A Kushmandi to Gangarampur via Chourangi, Katabari  |
| 21 | Address of The Control Room and Name of Officer-in-Charge : | Kushmandi Dev. Block, Contact No. 03524-263486, Sri Adhir Kumar Pal ,BDMO,Contact No. 9475898501 |

**1.1. Name of the Block Disaster Management Committee :**

| SL. No. | Name of Officials/Staff                              | Designation | Address   | Phone Number |            |
|---------|--|-------------|-----------|--------------|------------|
|         |  |             |           | Office       | Residence  |
| 1       | Sunanda Biswas, Savapati KMD Panchayat Samity        | Chairperson | Kushmand  |              | 8145877096 |
| 2       | Md. Zakaria, B.D.O.                                  | Secretary   | Kushmand  | 03524 263486 | 9434063486 |
| 3       | Sri Narmada Ch. Roy, MLA                             | Member      | Kushmandi |              | 9775925821 |
| 4       | Adhir Kumar Pal, B.D.M.O                             | Member      | Kushmandi | 03524 263486 | 9073938196 |
| 5       | B.M.O.H  | Member      | Kushmandi |              | 9830350069 |
| 6       | I.C. Kushmandi P.S.                                  | Member      | Kushmandi | 03524-263452 | 9434732295 |
| 7       | Smt. Fulmala Roy(Biswas) Karmadhyaksha Tran S/Samity | Member      | Kushmandi |              | 6295326794 |
| 8       | Chameli Chowhan, Prodhan, Akcha G.P.                 | Member      | Kushmandi |              | 8145945271 |
| 9       | Smritikana Debsharma Sarkar,Prodhan, Karanji GP      | Member      | Kushmandi |              | 9679944278 |
| 10      | Abdur Rajjak, Udaypur GP                             | Member      | Kushmandi |              | 9733009931 |
| 11      | Binoy Sarkar ,Prodhan, Deul GP                       | Member      | Kushmandi |              | 9775430187 |
| 12      | SandhyaMardi,Prodhan,KushmandiGP                     | Member      | Kushmandi |              | 9635209748 |
| 13      | Rinki Debsharma, Prodhan, Beroil GP                  | Member      | Kushmandi |              | 900239435  |
| 14      | Ashalata Biswas, Prodhan, Kalikamora GP              | Member      | Kushmandi |              | 8145422414 |
| 15      | Shyamal Sarkar, Prodhan, Maligaon                    | Member      | Kushmandi |              | 9002862897 |
| 17      | Surojit De, IMW                                      | Member      | Kushmandi | 03524 263486 | 9563749367 |
| 18      | Dhiren Hembram , BIO                                 | Member      | Kushmand  | 03524 263486 | 9749071423 |
| 19      | Antara Bhattacharya, FEO                             | Member      | Kushmand  | 03524 263486 | 9007089914 |
| 20      | Bhobotosh Bhuimali, H/C                              | Member      | Kushmand  | 03524 263486 | 9064222645 |
| 21      | Subir Sarkar, SAE (A-I),                             | Member      | Kushmandi | 03524 263486 | 9434161982 |
| 22      | Subhra Kr. Saha, SAE(BPC)                            | Member      | Kushmandi | 03524 263486 | 9434425488 |
| 23      | Shyamal Ch. Roy, SEO                                 | Member      | Kushmandi | 03524 263486 | 9933145084 |
| 24      | Piu Karmakar Singha, SAE(RWP)                        | Member      | Kushmand  | 03524 263486 | 9851375240 |
| 25      | Subrata Barman. Ins. (BCW)                           | Member      | Kushmand  | 03524 263486 | 9641204040 |
| 26      | Asit Sanyasi, CI                                     | Member      | Kushmandi | 03524 263486 | 9153183944 |
| 27      | Babli Ghosh, WDO                                     | Member      | Kushmandi | 03524 263486 | 7432918061 |
| 28      | Ajit Kumar Sarkar, ADA                               | Member      | Kushmandi | 03524-263266 | 9434512085 |
| 29      | Pradip Pati, BLDO                                    | Member      | Kushmandi |              | 9748597795 |
| 30      | Dilip Kr. Jha, F & S                                 | Member      | Kushmandi |              | 7797919318 |
| 31      | Saradindu Naskar, CDPO                               | Member      | Kushmandi |              | 9143768929 |
| 32      | Amit Das, BMOH                                       | Member      | Kushmandi |              | 9830350069 |

### SOME IMPORTANT TELEPHONE NOS.

|    |                                     |                                   |
|----|-------------------------------------|-----------------------------------|
| 1  | District Magistrate, D/Dinajpur     | Off. 03524-255206                 |
| 2  | Dist. Disaster Mangmt. section      | Off. 03522-255020                 |
| 3  | Executive Engineer, PHE Balurghat   | 03522-255576                      |
| 4  | Executive Engineer(A-I) Balurghat   | 03522-255912                      |
| 5  | Sub-Divisional Officer, Gangarampur | Off. 03424-259086                 |
| 6  | Block Dev. Officer, Kushmandi       | Off. 03524-263486 Mob. 9434063486 |
| 7  | S.D.P.O., Gangarampur               | 9735099533/ 9734116650            |
| 8  | Civil Defense, Balurghat            | 03522-255611                      |
| 9  | Asstt. Engineer(RWS Sub-Divn. PHE), | 03522-255639                      |
| 10 | Asstt. Engineer,(A-I), Gangarampur  | 03524-259289                      |
| 11 | Asstt. Engineer (A.M.), Gangarampur | 03524-255160                      |
| 12 | B.L.D.O., Kushmandi                 | Res. 9748597795                   |
| 13 | M.L.A., Kushmandi                   | Res. 9775925821                   |
| 14 | Savapati, Kushmandi P.Samity        | 814577096                         |
| 15 | BPHC, Kushmandi                     | Off. 0324-263406 9830350069       |
| 16 | Fire Brigade, Gangarampur           | 03524-256800                      |
| 17 | A.D.A. Kushmandi                    | Off. 03524-263266/9434512085      |
| 18 | Police Station                      | 03524-263452/9434732295           |
| 19 | B.L. & LRO, Kushmandi               | 03524-263073                      |
| 20 | SM, WBSEDCL, Kushmandi              | 7449301567                        |
| 21 | F & S, Kushmandi                    | 7797919318                        |
| 22 | Saradindu Naskar                    | 9775134243                        |

### COMMUNICATION TO THE FLOOD SHELTERS

|                           |                          |
|---------------------------|--------------------------|
| Mangalpur H. School       | 9609989250               |
| DhakDhol H. School        | 9474327195               |
| Chousa High School        | 9733080427               |
| Lohaganj High School      | 9434325349               |
| Katabari High School      | 9733444193               |
| Mahagram M.S.K.           | 9733317787               |
| Sarala BNS High School    | 9434873862               |
| Aminpur High School       | 9933520744               |
| Kushmandi High School     | 7407197898               |
| Nahit H. School           | 7551849411               |
| Parameshwarapur H. School | 9434378246               |
| Kachra High School        | 03523-272440/ 9635459960 |
| Beroil FPSchool           |                          |
| Ghatsa Primary School     | 9434965901               |
| Mahipal High School       | 9775890068               |

### CONTACT NOS. OF PRODHAN UNDER DIFFERENT GPS

|   |            |            |
|---|------------|------------|
| 1 | Akcha      | 8145945271 |
| 2 | Karanji    | 9679944278 |
| 3 | Udaypur    | 9733009931 |
| 4 | Kushmandi  | 9635209748 |
| 5 | Deul       | 9775430187 |
| 6 | Beroil     | 900239435  |
| 7 | Kalikamora | 8145422414 |
| 8 | Maligaon   | 9002862897 |

**NAME OF THE MOST VULNERABLE MOUZAS (ADJACENT FIGURES INDICATE POPULATION) WITH NAME OF THE RIVER AFFECTED BY**

| Sl. No. | Name of the G.P. | Name of the River and Khari | Name of the most vulnerable Mouzas  |
|---------|------------------|-----------------------------|---|
| 1       | Akcha            | Barobill & Vetnai Khari     | Krishnapur 1039, Tichlihar 121, Minapara 1106, Anantapur 1273, Pora Bagdol 276, Bagdole 681, Bateshwar 838, Goalgaon 1135, Ukhalia 2175.  |
| 2       | Karanji          | Tangan River                | Balashpur 531, Betahar 1542, Ujil 1080, Dhakdhole 1025, Shibkrishnapur 1257, Barokrishnapur 563.  |
|         |                  | Partly Tangan River & Khari | Nahit 3437, Karanji 2796, Choragachhi 549.  |
| 3       | Udaypur          | Tangan River & Tulai        | Kandaha 784, Pukurpara Raypur 584, Sherpur 515, Devipur 460, Salekhkuri 622, Chandpur 457, Ayra 820, Palashbari 152, Achroil 530, Kanthail 100, Balarampur 516, Udaypur 1721, Padamkuri 541, Chousa 1748, Basudevpur 300, Moulai 395.   |
|         |                  | Maan River                  | Saraipur 319, Putohari Maheshpur 186, Jhagrapara 133, Purba Basoil 1118, Chandipur 1918, Bagduma 709, Mastoil 384, Kapuria 496, Bhelakuri 605.  |
| 4       | Kushmandi        | Tangan River                | Rampur 552, Joypur 310, Milanhat 338, Pachimpara 478, Nambhoil 222, Salkhoir 85, Mangalpur 905, Uttarpura 8052, Angaripara 237.   |
|         |                  | Khari & Tangan River        | Pathanpara 487, Barogachhi 622, Basoil 917, Kumruk 380, Buripukur 204, Ibrahimpur 192, Minapara 601, Banihari 1323.   |
| 5       | Deul             | Baliakhari                  | Beldanga 1104, Gopalpur 433, Isnail 1094, Subarnapur 447, Jugoti 313, Navore Titih 326.   |
| 6       | Beroil           | Srimati River               | Mahatore 583, Dehaband 1660, Kachra 987, Sindurmuchi 308, Deokhanda 527.  |
|         |                  | Baliakhari                  | Harigram 883, Kalancha 270, Pupra 160, Sarala 2167, Bhaktipur 383, Deulbari 1031, Kuorbari 761, Beroil 1969, Ekdala 1310.   |
| 7       | Kalikamora       | Tangan River                | Amlahar 623, Rosulpur 887, Punot 160 Dhandoil 204, Deulabari 489, Shibrampur 684, Narayanpur 449, Pharasapur 349, Poinala 609, Kalikamora-552, Jagannathpur 145.  |
| 8       | Maligaon         | Punarvaba River             | Gobrabill 331, Khanpur 280, Madhabpur Barogachhi 298, Sekendarpur 983, Jafarpur 229, Chandoil 720, Purba Mollapara 470.   |
|         |                  | Maan River                  | Panchhata 1541, Ramchandrapur 551, Kakoir 452, Randanga 256, Panchanagar 287, Raypur 540, Alampur 698, Jotjagannath 351, Jadavpur 204, Ekdala 219, Hanshnagar 450, Dikul 460, ChakHaripur 195, Bighore 133, Magura 77, Durgapur 860, Mahabullapur 569, Shikarpur 281, Kanthalhat 317, Gangajit 197, Maligaon 1002, Khamrail 191. Baro Kafurchand 891, Lohaganj 1745, Jotahar 640. |
|         |                  | Tangan River                | Chhoto Damodarpur 898, Usmanpara 39, Baro Damodarpur 752, Dopitha 352, Laxijal 157.   |

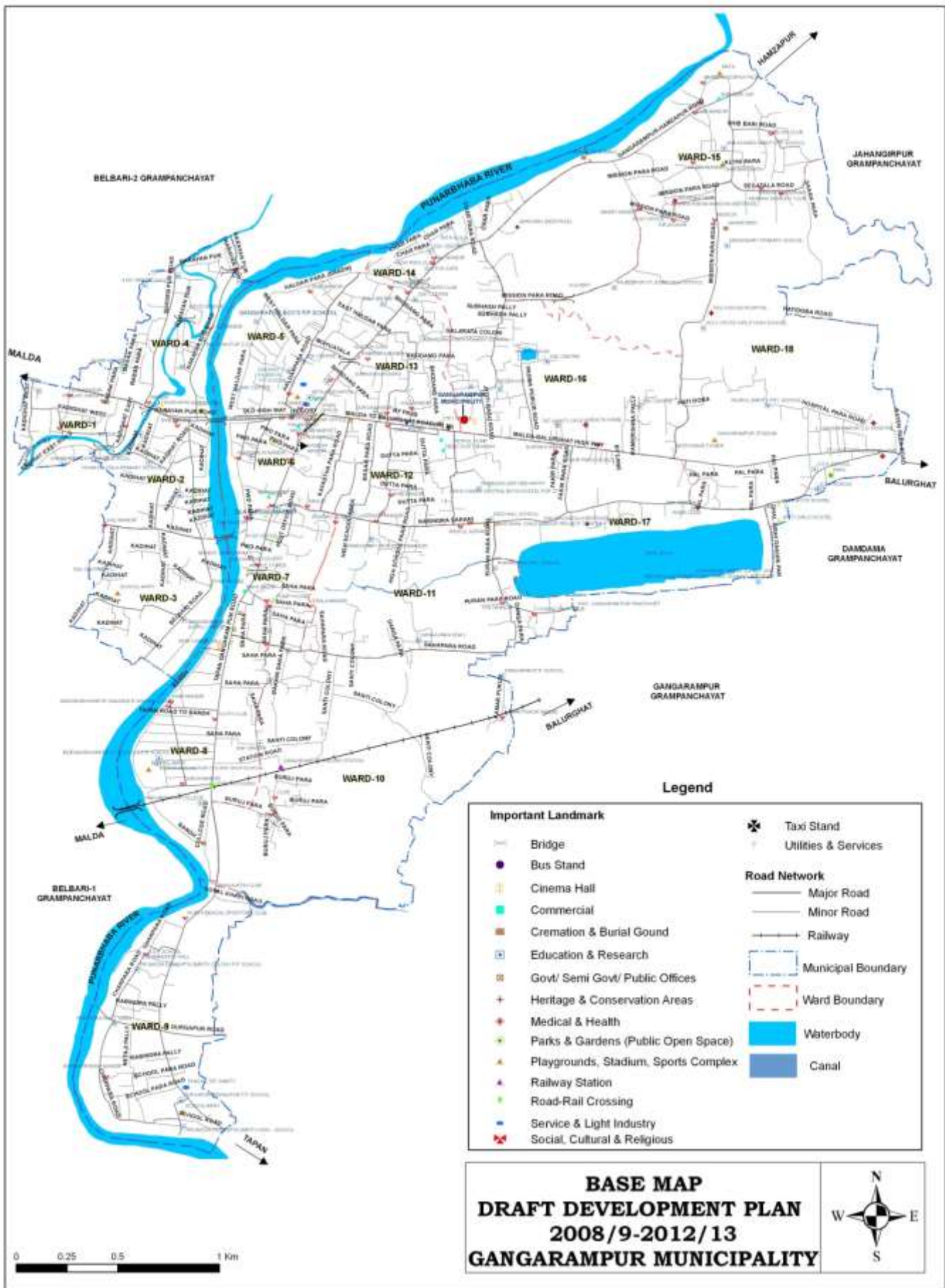
**Special attention may be laid upon the following embankments:-**

1. Palpara to Makdultala - Tangan River- (Kushamandi GP)
2. Rasulpur Colony - Tangan River- (Kalikamora GP)
3. Balarampur - Tangan & Tulai River - (Udaypur GP)

#### 4. Mahishakuri Switch Gate - Tulai River - (Udaypur GP)

##### LIST OF BOAT OWNERS AND THEIR CONTACT NUMBERS

| Sl. No. | Name of Boat Owners                              | Address    | Name of concerned G.P. | Particulars of Boat | Contact No. |
|---------|--|------------|------------------------|---------------------|-------------|
| 1       | Manohar Haldar                                   | Balarampur | Udaypur                | Dingi               | 9734891652  |
| 2       | Bablu Halder                                     | Balarampur | Udaypur                | Dingi               | 7063524012  |
| 3       | Biswanath Halder                                 | Balarampur | Udaypur                | Dingi               | 7063524012  |
| 4       | Bhim Halder                                      | Balarampur | Udaypur                | Dingi               | 9734614236  |
| 5       | Lalon Halder`                                    | Balarampur | Udaypur                | Dingi               | 9734617728  |
| 6       | Dulal Halder                                     | Balarampur | Udaypur                | Dingi               |             |
| 7       | Ranjit Halder                                    | Balarampur | Udaypur                | Dingi               |             |
| 8       | Adhin Das  | Balarampur | Udaypur                | Dingi               |             |
| 9       | Rajkumar Halder                                  | Balarampur | Udaypur                | Dingi               |             |
| 10      | Barun Halder                                     | Balarampur | Udaypur                | Dingi               |             |
| 11      | Basudeb Halder                                   | Balarampur | Udaypur                | Dingi               |             |
| 12      | Kushmandi Block Fisherman's Co-operative Society | Kushmandi  | Kushmandi              | 2 large size boat   | 9547429213  |



# 10. Gangarampur Municipality

## Municipal Profile

|  |                                   |
|--|-----------------------------------|
| 1. No. of Wards:-  | 18                                |
| 2. No. of Flood Prone Wards:-  | 10                                |
| 3. No. of Partial flood prone area:-   | 08                                |
| 4. No. of Air dropping Place:-   | 02(Two)                           |
| 5. Total Population (as per Census – 2011):-   | 56675 Nos.                        |
| 6. No. of BPL Families:-   | 4359(Up to last inclusion – 2009) |
| 7. No. of Slum area:-  | 50                                |
| 8. No. of place for temporary Shelter:-  | 20                                |
| 9. Wheter Country boat available for Rescue Operation:-  | Yes                               |
| 10. No. of High School (inciuding H.S):-   | 09                                |
| 11. No. of College:-   | 01                                |
| 12. Major portion high school is aailable for opening of rescue Center (if required a part of college many also be available). |                                   |

## Disaster Control Unit

| SL.NO | NAME                 | DESIGNATION            | NAME OF OFFICE           | CONT. NO.  |
|-------|----------------------|------------------------|--------------------------|------------|
| 1     | Sri. Prasanta Mitra  | Chairman               | Gangarampur Municipality | 9434187704 |
| 2     | Sri. Amalendu Sarkar | Vice-Chairman          | Gangarampur Municipality | 9679494551 |
| 3     | Sri. Ajit Kr. Mondal | Executive Officer      | Gangarampur Municipality | 8902667710 |
| 4     | Sri. Jayanta Das     | Councillor, Ward No-18 | Gangarampur Municipality | 8016428404 |
| 5     | Sri. S.karmakar      | SAE                    | Gangarampur Municipality | 9434325350 |
| 6     | Sri. Bijon Kr. Kundu | Head Clerk             | Gangarampur Municipality | 9434057942 |
| 7     | Sri. Swapan Dutta    | Sanitary Inspector     | Gangarampur Municipality | 8759555143 |
| 8     | Dr.P.C.Basak         | Medical Officer        | Gangarampur Municipality | 9434162018 |
| 9     | Sri. Ramjiban Roy    | Relief Section         | Gangarampur Municipality | 9593918482 |

## GANGARAMPUR MUNICIPALATY CRISIS MANAGEMENT PLAN 2019-20 :

Gangarampur is a flood prone town where flood is regular feature causes damage to life and properties as a large scale. Heavy and incessant rainfall all over the district and catchments areas lead to sudden rise of water levels of all the rivers i.e. Punarbhaba, Tangon and Brahmani.

The geographical location of the town has also put the town to a disadvantage also. The town gets cuts off from the rest of the district during flood and the blocks get is located from one another. A further characteristic is the all the major rivers referred to above come in to the town from Bangladesh. As a consequence, rainfall and relevant date of the catchments area or upstream area that could have been of aid to the administration is not readily available. Out of 18 wardes during flood 10 – 12 wards are usully affected more.

## **ACTION PLAN:-**

### **Flood warning system:-**

Sub- Assistant Engineer , Irrigation and water department, Gangarampur will communicate the flood warning message,i.e water level of the rivers and rainfall data in the local and catchment areas to the municipal control room as matter of top most priority. On receipt of warning the Municipality will communicate the messages to the D.Ms level through telephone, R.T.Network , Police and D.Ms by messages when ever required.For wide publicity they beat drum or use land speaker on emergency basis .

### **Rescue Operation:-**

Chairman of Municipality will keep close vigil regarding evacuation and rescue Operation under his town. Chairman will issue necessary instruction to the rescue team-in-charge. The flood affected people will be shifted to the nearest temporary rescue camps which have been earmarked.

proposed flood rescue centers –

- i) All high schools under Gangarampur Municipality
- ii) Highways
- iii) Bangarh (may be used as air drop point)

### **Relief operation/distribution:-**

After rescue operation the relief distribution agency of the area will provide dry foods , baby foods, special G.R, fully cooked food and clothing when needed as per requirements from the reserve stock of the Municipality.For further requirement, Chairman will contact with the SDO/ D.M, relief materials will be distributed to the flood affected people both housed in the relief camps and other places.

### **Supply of safe drinking water:-**

Municipality and PHE will ensure the supply of safe drinking water for the flood affected people both in the relief/rescue camp and individual houses through tanker.(as per need)

### **Health Service:-**

Medical Officer, Gangarampur Municipality, B.M.O.H, will visit all the affected area with their medical team during flood period and render all sort of medical aid to the affected people on war footing. Arrangement shall be made for smooth movement of the medical team from the Sub-Divisional Health Headquarters. And other place to the affected areas in association with the Health setup of Gangarampur Municipality, 4 Nos FTS having with 1(One) Health Officer 01(one) ANM and 18 Nos HHWs may be engaged with this work.

### **Sanitary Arrangement:-**

Proper sanitary arrangement will be made for the flood affected people by the Municipality to protect the environment and prevent endemic outbreaks of diseases.

### **Maintenance of cattle Health:-**

Deputy Director , A.R.D Dakshin Dinajpur shall keep medical teams on readiness and they shall visit all the flood affected areas and take necessary action to prevent loss of cattle. He will also arrange for cattle feed.

### **Irrigation and water ways department:-**

S.A.E, Irrigation and water ways dept. will check up the vulnerable embankments and bundhs and maintenance works shall be completed them and there with sand bags and other materials .Whatever necessary.

## **CONTINGENCY PLAN:-**

### **Setting up of control rooms:-**

Control room would be set up at the Chairman, Gangarampur Municipality, Dakshin Dinajpur, headed by Chairman for round the clock in the event of flood for day monitoring of rescue and relief operation. Phone No.255140.

### **FLOOD WARNING MESSAGE:-**

Irrigation and waterways department monitors and provides information at the earliest about various causative factors. Gangarampur Municipality communicates the flood. Messages in respect of river Punarbhaba and Tangon to the District Administration and give wide publicity of flood warning messages and weather forecast to the people as and when required to minimize the impact of the calamity. Arrangement for guarding of

embankment, roads and bridges and patrolling in the affected areas and relief camp is made by the police during flood. He also provides escort for vehicles for carrying relief materials for safe movement during and after the flood period.

**FOOD & SUPPLIES DEPARTMENT:-**

1. District Controller of food and Supplies has been requested maintain reserve stock at different points under this Municipality in addition to normal PDS channel.

**HEALTH DEPARTMENT:-**

2. The C.M.O.H, Dakshin dinajpur has requested to ensure the requirement and stock position of medicine adequate quantities of essential medicine, vaccine, AVS, ORS, Saline First Aid Kits. Bleaching powder, Chlorine, Anty Biotic ointment, Plenyl, Saline set Halogen Tablets and other necessary materials.

**LIST OF COLLEGE & HIGH SCHOOLS WHICH MAY BE USED AT FLOOD SHELTER UNDER GANGARAMPUR MUNICIPALITY:**

| SL.NO | NAME OF THE INSTITUTIONS           | LOCATION    |
|-------|------------------------------------|-------------|
| 1     | Gangarampur Collage                | Ward No. 8  |
| 2     | Gangarampur High School            | Ward No. 12 |
| 3     | Gangarampur Girls High School      | Ward No. 7  |
| 4     | Kadihat Belbari High School        | Ward No. 3  |
| 5     | Nirajan Ghosh Smrity Vidyapith     | Ward No. 4  |
| 6     | Indranarayanpur Colony High School | Ward No. 8  |
| 7     | Promod Das Gupta Smrity Vidyapith  | Ward No. 9  |
| 8     | Rajibpur st. Jopesh High Schopol   | Ward No. 18 |
| 9     | Rabibdra Smrity Vidyapith          | Ward No. 17 |

**Names of Country Boat Holder:**

| SL.NO | NAME             | LOCATION                     | CONT. NO.  |
|-------|------------------|------------------------------|------------|
| 1     | Gopal Sarkar     | East Belbari, Ward No. 9     | 9679769572 |
| 2     | Sanjit Rajbanshi | East Belbari, Ward No. 9     | 9679206141 |
| 3     | Palan Halder     | east Halderpara, Ward No. 14 | 9800904361 |
| 4     | Tarapada sarkar  | East Belbari, Ward No. 9     | 8016011793 |
| 5     | Bimal Sannyashi  | East halderpara, Ward No. 14 | 9800904361 |

**List of Vulnerable Mouza In terms of Flood**

1

| Name of G.P./Municipality | Mouzas (J.L.No.)/Wards     | To be affected by (Name of Rivers/ Stream /Canels /Outlet/Khari etc.) | Possible Area in Acre to be affected | Possible population to be Affected | Possible Cattle Population to be affected |
|---------------------------|----------------------------|---|--------------------------------------|------------------------------------|---|
| Gangarampur Municipality  | 1,2,3,4,5,8,9, 10,13,14,16 | Punarbhaba, Brahmbhani  |                                      | 45 thousand approx                 | 2 thousand approx                         |

2 **List of Vulnerable Mouzas in terms of Drought from past Records**

| Name of G.P./Municipality | Mouzas (J.L.No.)/Wards | Possible Area to be affected | Possible population to be Affected | Possible Cattle Population to be affected |
|---------------------------|------------------------|------------------------------|------------------------------------|---|
|---------------------------|------------------------|------------------------------|------------------------------------|---|



|                          |                   |  |                    |                   |
|--------------------------|-------------------|--|--------------------|-------------------|
| Gangarampur Municipality | 7,10,11,15, 17,18 |  | 15 thousand approx | 1 thousand approx |
|--------------------------|-------------------|--|--------------------|-------------------|

### 3 List of Embankments/Ex-zamindary Bandh/Sulice Gates etc.

(Type, Length, Condition, Name of Maintenance Authority, Remarks):

|             |  |
|-------------|--|
| Ward No.-2  | Narayanpur Bandh cum Road                        |
| Ward No.-3  | Narayanpur Bandh cum Road                        |
| Ward No.-4  | West-Halder Para Bandh to Indranarayanpur Colony |
| Ward No.-5  | PWD Para to Indranarayanpur Colony & Goal Khari  |
| Ward No.-6  | PWD Para to Indranarayanpur Colony & Goal Khari  |
| Ward No.-8  | PWD Para to Indranarayanpur Colony & Goal Khari  |
| Ward No.-9  | PWD Para to Indranarayanpur Colony & Goal Khari  |
| Ward No.-14 | PWD Para to Indranarayanpur Colony & Goal Khari  |

### 4 List of Rivers/ Stream/Cannels/Outlet/Khari etc. passing through Gangarampur Municipalities

|                                 |  |  |
|---------------------------------|--|--|
| RIVER PUNARBHABA AND BRAHMBHANI |  |  |
|---------------------------------|--|--|

### 5 List of Flood Shelters

| Name | Location | Coordinators | Accommodation Capacity | Present Condition | Funded by (Name of Deptt./Sec.) |
|------|----------|--------------|------------------------|-------------------|---------------------------------|
|------|----------|--------------|------------------------|-------------------|---------------------------------|

Separate Sheet Attach

### 6 List of Rescue Shelters with Accommodation capacity

Sheet Attached

### 7 Evacuation Plan

| Name of Vulnerable Mouzas and G.P. | No. of people of such villages. (to be given separately) | Name of Flood /Rescue Shelters with capacity where shifting to be occurred | Name of safe & Shortage Route for evacuation |
|------------------------------------|--|--|--|
|------------------------------------|--|--|--|

Details dercribed in separate sheet

### 8 List of Heritage Buildings

There is no such heritage building but a high land place named Bangar may be used as helicopter landing space for relief operation.

### 9 List of places of Large Crowd Events

No such place available

**10    Identification of High Land for Helipad and Airdropping**

Bangar already stated earlier and Gangarampur Stadium

**11    Boat Owners' List**

Boat Owners' List is annexed in a separate sheet

# Disaster Management Plan-2020

Of

**Buniadpur Municipality**

**Buniadpur, Dakshin Dinajpur**

1. Municipality Map with Legends. Copy Enclosed (Annexure 1)
2. Incident Response Team ( Block Level Only ) : N.A.
3. Demographic and Administrative Information :- Copy Enclosed ( Annexure – II)
4. Past history (in brief) of Disaster ravaged the Municipal Area:-  
In 2017 due to heavy rainfall on 14th August severe flood effected almost every area of this municipality.
5. List of Vulnerable Mouzas in terms of Flood:-

Name of the most vulnerable mouzas (adjacent figures indicate population) with name of the river affected by

| Sl. No. | Name of the Municipality | Name of the River and Khari | Name of the most vulnerable Mouzas  |
|---------|--------------------------|-----------------------------|---|
| 1       | Buniadpur Municipality   | Tangan River                | Joydebpur, Shibpur North, Shibpur South, Mirjatpur, Haldi, Rashidpur, Aligara, Koil, Amoi, Karkha, Thingur, Buniadpur, Barail, Sherpur, Chksadulla. |
| 2       |                          | Partly Tangan River & Khari | Sarai, Nalpukur, Malam, Narayanpur, Khushipur, Rangapukur   |

6. List of Vulnerable Mouzas in terms of Drought from Past Records. :-  
N.A.

7. List of Embankments/ Ex-Zamindary Bandh/ Sluice Gates etc. (Type, Length, Condition, Maintaining Authority :-

Tangan River Protection Bandh from Banshihari Bridge (Aligara Mouza) up to Sahesta Mouza, Length 5 km, by Irrigation Deptt.

8. List of Rivers/Streams/Canals/Out lets/Khari etc. passing through Municipality

| Name of Rivers/ Streams/Canals/Out lets/Khari etc. | Entry Point        | Exit Point        | Passes Through                                       |
|--|--------------------|-------------------|--|
| Tangan   | Ward No 5 at Haldi | Ward No 9 at Koil | Haldi, Shibpur, Mirjatpur, Aligara, Jaydebpur & Koil |

9. List of Flood Shelter:-

| Name | Location          | Co-ordinates | Accommodation | Present Condition | Funded By                  |
|------|-------------------|--------------|---------------|-------------------|----------------------------|
| N.A. | Behind SDO Office | SDO          | 200           | Good              | Disaster Management Deptt. |

## 10. List of Rescue Shelter with Accommodation Capacity.

| Sl. No. | Name of Flood Shelter         | Capacity | Ward No. | Contact Person |
|---------|-------------------------------|----------|----------|----------------|
| 1.      | Narayanpur High School        | 500      | 1        | H.M.           |
| 2.      | Banshihari High School        | 500      | 5        | H.M.           |
| 3.      | Buniadpur High School         | 300      | 4        | H.M.           |
| 4.      | Banshihari Girls' High School | 600      | 3        | H.M.           |
| 5.      | Buniadpur Railway Station     | 1000     | 8        | S.M.           |
| 6.      | Narayanpur Jr. Basic School   | 200      | 1        | H.T.           |
| 7.      | Krishan Mandi at Buniadpur    | 1000     | 3        | Chairman       |
| 8.      | Buniadpur College             | 800      | 4        | Principal      |
| 9.      | Shibpur Pry. School           | 100      | 7        | H.T.           |
| 10.     | Hatpukuria Pry. School        | 100      | 5        | H.T.           |
| 11.     | Aligara Pry. School           | 100      | 9        | H.T.           |
| 12.     | Thingur Pry. School           | 200      | 12       | H.T.           |

## 11. Evacuation Plan :- Copy Enclosed (Annexure – III)

## 12. List of Heritage Building :- Nil.

## 13. List of Places of Large Crowd Events. :- Nil

## 14. Identification of High Land for Helipad And Airdropping

| Sl. No. | Name of the Place (Such as School Grounds, Play Grounds etc. | Co-ordinates |
|---------|--|--------------|
| 1       | Narayanpur Football Ground                                   |              |
| 2       | Banshihari Girl High School Play Ground                      |              |

## 15. Boat Owners' List:-

### LIST OF BOAT OWNERS AND THEIR CONTACT NUMBERS

| Sl. No. | Name of Boat Owners | Address | Name of concerned Municipality. | Particulars of Boat | Contact No. |
|---------|---------------------|---------|---------------------------------|---------------------|-------------|
| 1       | Manoranjan Sharma   | Shibpur | Buniadpur                       | Boat                | 6294165958  |
| 2       | Prahlad Debnath     | Shibpur | Buniadpur                       | Boat                | 9563870616  |
| 3       | Subrata Majumdar    | Shibpur | Buniadpur                       | Boat                | 8116976037  |
| 4       | Haripada Sarkar     | Shibpur | Buniadpur                       | Boat                | 7001334295  |
| 5       | Biren Sarkar        | Shibpur | Buniadpur                       | Boat                | 9734909895  |

## 16. Identification of Shop for purchasing commodities to run gruel kitchen with contact no.:-

Amulya Bhandar; Contact No – 9932372577

M/S Kumar Das; Contact No - 9474442356

## 17.NGOs/VBOs with Contact no.:-

Tarun Sangha ; Contact No – 9647724664

Ramkrishana Seba Sangha; Contact No - 7908408843

## 18. Telephone Directory.

| <i>SOME IMPORTANT TELEPHONE NOS.</i> |  |                                   |
|--------------------------------------|--|-----------------------------------|
| 1                                    | District Magistrate, D/Dinajpur                | Off. 03524-255206                 |
| 2                                    | Dist. Disaster Mangmt. section                 | Off. 03522-255020                 |
| 3                                    | Executive Engineer, PHE Balurghat              | 03522-255576                      |
| 4                                    | Executive Engineer(A-I) Balurghat              | 03522-255912                      |
| 5                                    | Sub-Divisional Officer, Gangarampur            | Off.03424-259086                  |
| 6                                    | Civil Defense, Balurghat                       | Off. 03524-263486, Mob.9434063486 |
| 7                                    | S.D.P.O., Gangarampur                          | 9735099533/ 9734116650            |
| 8                                    | BDO,Banshihari                                 | 8373069036                        |
| 9                                    | Civil Defense, Balurghat                       | 03522-255611                      |
| 10                                   | Asstt. Engineer(RWS Sub-Divn. PHE), Balurghat. | 03522-255639                      |
| 11                                   | Asstt. Engineer,(A-I), Gangarampur             | 03524-259289                      |
| 12                                   | Asstt. Engineer (A.M.), Gangarampur            | 03524-255160                      |
| 13                                   | B.L.D.O., Banshihari                           | 9434246889                        |
| 14                                   | Savapati, Banshihari P.Samity                  | 9775830460                        |
| 15                                   | BPHC, Banshihari                               | 9836491398                        |

|    |   |                         |
|----|---|-------------------------|
| 16 | Fire Brigade, Buniadpur                   | 03524-297011            |
| 17 | Police Station                            | 03524-259213/9083270111 |
| 18 | B.L. & LRO, Banshihari                    | 7908576722              |
| 19 | SM, WBSEDCL, Buniadpur                    | 9733040610              |
| 20 | Chairman, Buniadpur Municipality          | 9434463394              |
| 21 | Vice Chairman, Buniadpur Municipality     | 9475103400              |
| 22 | Executive Officer, Buniadpur Municipality | 7003671878              |

## Annexure – II

**NAME OF THE MUNICIPALITY: - BUNIADPUR**

**NAME OF THE P.O. :- BUNIADPUR**

**NAME OF THE DIST: - DAKSHIN DINAJPUR**

INTRODACTION: - Disaster Management Plan covers a broad range of interventions undertaken Before, during and after a Disaster- to prevent or minimize loss of life and Property, minimize human suffering and hasten recovery.

MUNICIPALITY PROFILE :-

### MUNICIPALITY PROFILE

|    |  |   |
|----|--|---|
| 1  | Total Area of the MUNICIPALITY                         | 9.147 Sq. Km.   |
| 2  | Total No. of Mouzas                                    | 21 Nos.   |
| 3  | Main River   | Tangan  |
| 4  | River in Zero Level                                    | 25' ft.   |
| 5  | River in Danger Level                                  | 25'-6" ft.  |
| 6  | Other Channels   | Baliakhari, Joydebpur etc.  |
| 7  | Average Rainfall thought the Year                      | 1500 mm.  |
| 8  | Total No. of Population                                | 34280 ( As per Census 2011 & projected population)  |
| 9  | Area affected by Flood in Previously (Approx)          | 14 nos Mouza Effected fully out of 21 nos Mouzas and 5 nos Mouzas effected partly out of 21 nos Mouzas. |
| 10 | Main Economic Activity of the area                     | Cultivation & Small Trades  |
| 11 | Total Cultivation Land                                 | 3125 Hec.   |
| 12 | International Border area                              | Nil.  |
| 13 | Total No. of Household                                 | 9044 Nos.   |
| 14 | Name of Flood Shelters.                                | 1nos. (Behind SDO Office at Buniadpur)  |
| 15 | Name of the rescue centre                              | As mentioned in Column No. 5 in Order Sheet.  |
| 16 | Name of the Proposed relief Distribution centre.       | Normally through the Municipality Office and rescue centers,  |
| 17 | Name of the place where Relief materials to be stored. | Buniadpur Municipality  |
| 18 | Source of Baby Food                                    | Janata Medical , Auth. Dealer Buniadpur   |
| 19 | Proposed Helipad                                       | At Playground of Banshihari High School   |
| 20 | Alternative roads/Ways or contact                      | None except the conventional National Highway 512 Maldah to Balurghat via Buniadpur, Gangarampur        |

|    |   |  |
|----|---|--|
| 21 | Address of The Control Room and Name of Officer-in-Charge : | Buniadpur Municipality, Chairman Contact No. 9434463394, Vice Chairman ,Contact No. 9475898501 |
|----|---|--|

### 11. Evacuation Plan :- (Annexure - III )

| Name of Vulnerable Mouzas  | No. of people of such villages. (To be given separately) Approx. | Name of Flood/ Rescue Shelter with Capacity where Shifting to be occurred. | Name of Safe & Shortage Route for evcuation |
|--|--|--|---|
| Shibpur Haldarpara, Shibpur Uttarpara , Millpara, Shibpur Dakshin, Joydebpur and Banshihari Thanapara. | 4000   | Shibpur Primary School   | 0.5 km by municipal road                    |
| Koil Paulpara, Koil Roypara, Koil Adibashipara, Mayahar , Aligara east, Haldi and Mirjatpur.           | 4000   | Banshihari High School   | 0.7 km by municipal road                    |
| Rashidpur, Hospitalpara , Hatatpara, Aligara west, Buniadpur east and Hatpukur                         | 2300   | Buniadpur High School  | 0.7 km by municipal road                    |
| Buniadpur Dakshin, Buniadpur Paschim, Buniadpur North and Adibashipara.                                | 3000   | Sarai Buniadpur F.P.School   | 0.4 km by municipal road                    |
| Thingur Colony, Thingur Schoolpara , Thingur Prodhana para and Buniadpur Pahanpara.                    | 2000   | Thingur F P School   | 0.6 km by municipal road                    |
| Karkha and Amoi  | 3600   | Karkha Jr. High School   | 0.8 km by municipal road                    |
| Chaksadulla, Amsuparitala and Purnyapara.  | 2700   | Chaksadulla F.P.School   | 0.9 km by municipal road                    |
| Khalapara and Sarai Nalpukur   | 1000   | Buniadpur B.Ed. College  | 1.2 km by municipal road                    |
| Malam and Saraihat   | 1700   | Sarai Nalpukur F.P.School  | 0.5 km by municipal road                    |
| , Buniadpur North, Barail west and Sherpur.  | 3300   | Banshihari Balika Vidyalaya  | 0.6 km by municipal road                    |
| Rangapukur and Narayanpur.   | 2100   | Narayan pur High School  | 0.8 km by municipal road                    |



|                               |      |   |   |
|-------------------------------|------|---|---|
| Khushipur                     | 1200 | Khushipur F.P.School                      | 0.7 km by municipal road                                  |
| Selimabad and Math Khidirpur. | 3700 | Buniadpur Mahavidyalaya &<br>Flood Center | 0.4 km by municipal road<br>& 0.6 km by Municipal<br>Road |

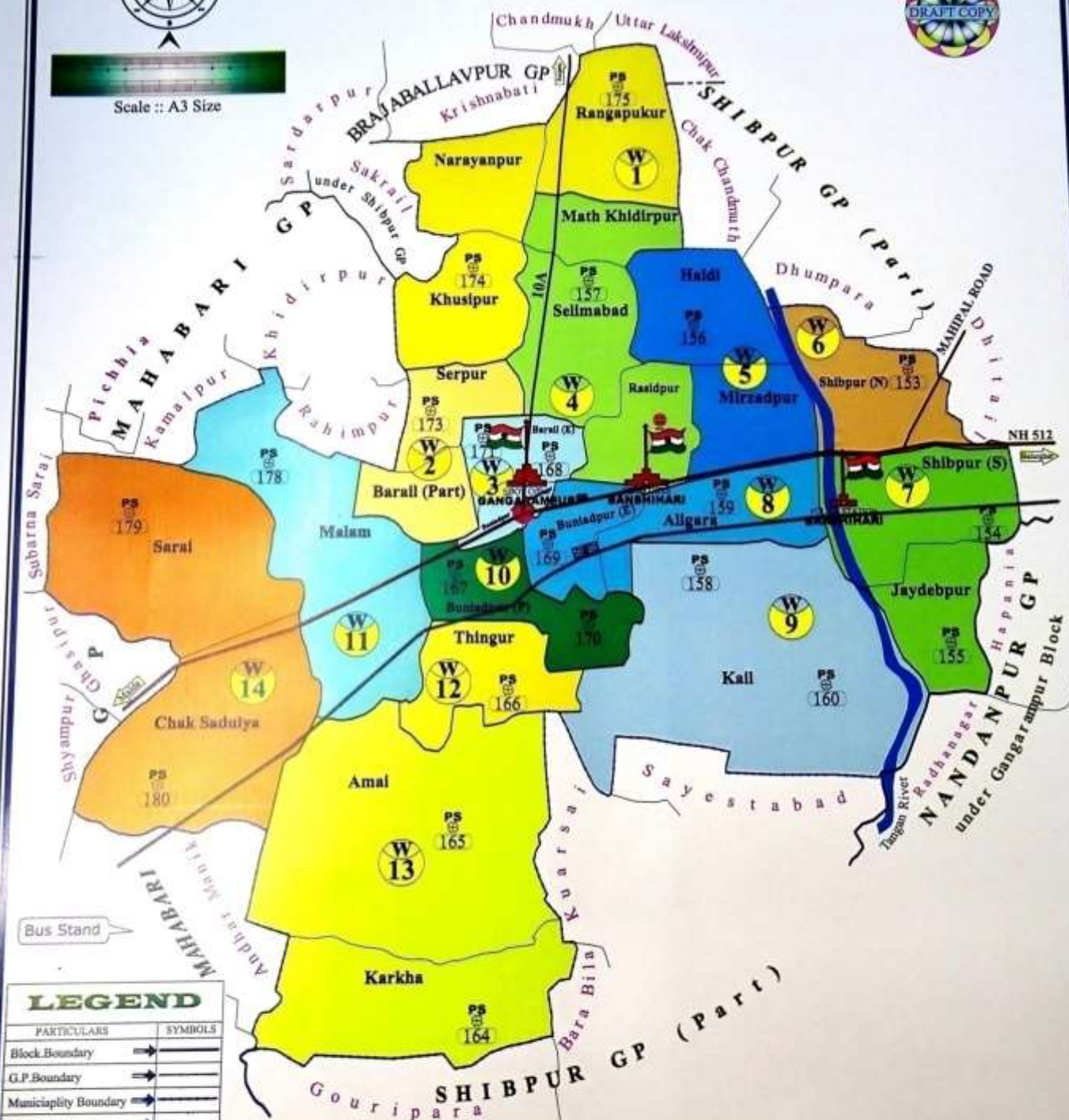
# BUNIADPUR MUNICIPALITY

UNDER  
OFFICE OF THE DISTRICT ELECTION OFFICER & DISTRICT MAGISTRATE,  
DAKSHIN DINAJPUR, BALURGHAT.  
TOTAL :: WARD -14

Showing Municipality Boundary, Ward Boundary, Mouza Boundary,  
Polling Station, River, Road & others



Scale :: A3 Size



Bus Stand

## LEGEND

| PARTICULARS           | SYMBOLS |
|-----------------------|---------|
| Block Boundary        | →       |
| G.P. Boundary         | →       |
| Municipality Boundary | →       |
| Ward Boundary         | →       |
| Mouza Boundary        | →       |
| Rail Line             | →       |
| Road                  | →       |
| River                 | →       |
| Polling Station       | →       |
| Mouza Name            | →       |
| S.D.O. Office         | →       |
| B.D.O. Office         | →       |
| Police Station        | →       |
| BPNC                  | →       |

As per order of D.E.O. & District Magistrate, D/D.

ONLY USE FOR OFFICIAL PURPOSE

Mentioned Ward Boundary & others may be changed as per revision by District Magistrate.

Edited by :  
(MADHUMITA BHATTACHARJEE)  
Sanket Club Para (Sukanta Sarani)  
"Debhanti Nibas"  
P.O. - Balurghat,  
District-Dakshin Dinajpur

Prepared by :-

(SUSANTA KUMAR HALDER)  
DISTRICT DRAWING SECTION

(TAPAS CHOWDHURY)

## **Annexure : II**

### **DM Plans for other Departments**

1. PLAN OF SERICULTURE DEPARTMENT
2. PLAN OF ANIMAL RESOURCES DEVELOPMENT,DEPTT.
3. PLAN OF BALURGHAT(AGRI IRRIGATION) DIVISION
4. PLAN OF FISHERIES DEPARTMENT
5. PLAN OF COMMANDANT 183 Bn BSF
6. PLAN OF BALURGHAT FIRE STATION
7. PLAN OF GANGARAMPUR FIRE STATION
8. PLAN OF DISTRICT HEALTH DEPARTMENT
9. PLAN OF IRRIGATION & WATERWAYS
10. PLAN OF EXECUTIVE ENGINEER,PHE,DTE
11. PLAN OF AGRICULTURE (ADMN)
12. PLAN OF FOOD & SUPPLIES DEPARTMENT
13. PLAN OF BALURGHAT AGRI-MECH DIVISION
14. PLAN OF EXECUTIVE ENGINEER,DAKSHIN DINAJPUR DIVN.PWD
15. DISTRICT INTELLIGENCE BRANCH, DAKSHIN DINAJPUR.
16. COMMANDANT 199 Bn BSF, PATIRAM

## **1. PLAN OF SERICULTURE DEPARTMENT**

Sericulture is a very important economic activity of the people living in rural areas and the District of Dakshin Dinajpur has the unique distinction of promoting two varieties of Sericulture activities mainly on Mulberry Sericulture and Eri – culture.

As different activities of Sericulture are both Agriculture and Industrial in nature, there is a wide scope to promote Mulberry Sericulture and being a new venture Eri – culture in the District of Dakshin Dinajpur keeping in view of the agro climatic condition as well as Socio – economic Status of the rural people. It can create scope for sufficient employment generation of the rural people of which mostly marginal and small farmers belonging to SC/ST/Minority communities or from other backward classes.

For economic sustenance of the rural people of this District thrust has been given on the potentiality of Sericulture activities mainly on expand areas under cultivation of Mulberry Sericulture host plants in farmers' field, develop such cultivation and silk worm rearing practices in the farmers level. Progressive Sericulture practicing Blocks in Dakshin Dinajpur are, namely - Kusmandi, Gangarampur, Tapan and Banshihari. Skill up-gradation is one of the tools to make the farmers a progressive one with the concept of Technology – Transfer on the subject.

Present trend of Sericulture activities of this District reveals that the demand and consumption of Disease Free Layings mainly for commercial crops are being increased gradually at farmers' level. As a whole awareness and motivation with mind set – up has been grown – up amongst the villagers for doing Sericulture crop like other agriculture crop as a source of additional income.

In case of Eri – culture programme initiated since last few years, another way of substantial scope for income generation to the rural women through individual attempt and SHGs especially to the SC/ST women of BPL families has been opened as a new venture in the District. As there is resource of abundant naturally grown Castor plantation available on the road side of the villages particularly in the Sericulture practicing Blocks i.e., Kusmandi and Banshihari, Eri Silk worm rearing is being practiced regularly following the crop schedule without any investment except family labour. Preparation of Eri Seed i.e., Grainage operation has also been taken up in the crop programme at rearers level to cater the demand of Eri Layings of own aiming strengthening the Sector economically.

| Parameters                                 | Nos.        | Particulars   |
|--|-------------|---|
| Total Area under Mulberry                  | 350 Acres   | Mulberry - 310 Acres; Castor – 40 Acres.  |
| Total No. of Blocks                        | 8 Nos.      | Kushmandi, Banshihari, Gangarampur, Hili, Kumarganj, Harirampur, Balurghat & Tapan.   |
| No. of Block under Sericulture             | 4 Nos.      | Gangarampur, Banshihari, Kushmandi & Tapan  |
| No. of G. P. Covered                       | 15 Nos.     | Udaypur, Maligaon, Kushmandi, Shibpur, Mahabari, Belbari-I, Belbari-II, Jahangirpur, Sukdevpur, Challon, Nandanpur, Rampara-Chehra, Ramchandrapur & Gurail. |
| No. of Village Covered                     | 44 Nos.     |   |
| No. of Farmers Covered                     | 700 Nos.    | Mulberry – 600 Nos.; Castor – 100 Nos.  |
| No. of Reeler                              | Nil         |   |
| Parameters                                 | Nos.        | Particulars   |
| No. of Licensed Reelers                    | Nil         |   |
| No. of Spinner                             | Nil         |   |
| No. of Ghosh Basin                         | Nil         |   |
| Total acreage under host plant plantation  | 332 Acres   | Mulberry - 310 Acres; Castor – 40 Acres.  |
| Total Commercial Cocoon Production         | 5.56 MT     | During 2017-18  |
| Government Sericulture Farms               | 3 Nos.      | M.M. Farm – Kumarganj, Khidirpur & T.D. Farm -Balapur   |
| Sericulture Extension Wings                | 2 No.       | T.S.C. - Gangarampur & Extension Unit -Tapan  |
| Consumption of d.f.lays.(Pvt. Level)       | 31,000 Nos. | Cross Breed – 21,000, MV – 7500, BV – 2500  |
| Production of Silkworm Seed (Govt. Source) | 25,000 Nos. | Cross Breed – 25,000.   |

#### **Infra –Structure Availability:**

- 1. District Set-up** : District Head Quarter at Balurghat Heade by Assistant Director of Sericulture, Dakshin Dinajpur
- 2. Extension Wings** :
- (A) Technical Service Centre** : One T.S.C. at Gangarampur, headed by one Extension Officer and 1 Demonstrator to look after and monitor Sericulture activities in the areas of Gangarampur, Kusmandi and Banshihari Blocks.  
**Contact No. 9434723346**
- (B) Extension Centre** : Tapan Extension Area with one Demonstrator who looks after and monitor Sericulture activities in the Tapan Block. **Contact No. 8900521748**
- 3. Government Farms** : This District has 3 Sericulture Farms;  
# One at Khidirpur in Balurghat Block, **Contact No. 9547250679**  
# One at Balapur in Tapan Block, **Contact No. 9434760021**  
# One at Mohana in Kumarganj Block, **Contact No. 6295165940**

#### **Loss of Sericulture Farmers during 2017-18 due to heavy rainfall :**

| Sl. No. | Name of the Extension Unit | Total Sericulture Area Affected ( Ha ) |                |
|---------|----------------------------|--|----------------|
|         |                            | Mulberry                               | Eri            |
| 1.      | Gangarampur                | 56                                     | 15             |
| 2.      | Tapan                      | 12                                     | Not Applicable |

#### **Status of Rearing During Rainy Season & Post Flood Restoration Measures**

1. Rearing season coincides with Asari & Bhaduri crops. Due to heavy rainfall & water logging in mulberry field most of the farmers avoids this two crops.
2. Farmers are advised to use lime & some other disinfectants to avoid crop loss due to bacterial & viral diseases prevailing during this season. Same measures are also taken in Govt. Farms.
3. Arrangement of buffer stock of seed cocoons maintained in other Govt. Farms outside the district.
4. Proper disinfection of Rearing House & Rearing Appliances by using Sanitech, Lime etc.

## **2. Plan of Animal Resources Development, Balurghat**

### **ACTION PLAN FOR NATURAL CALAMITY 2020-21**

#### **TYPES OF NATURAL CALAMITY**

On the basis of loss valuation, the natural calamity can be divided into two :

1. Major Natural Calamity.
2. Minor Natural Calamity.

##### **1. Major Natural Calamity**

- Flood
- Cyclone
- Drought
- Earthquake
- Sunstroke.

##### **2. Minor Natural Calamity**

- Landslide.
- Thunderstorm.

#### **COMMUNICATION**

Warning and Notification

Warning : Initially, We will monitor the impact of any calamity and its potential for devastating.

Notification :

1. Initial Notifications
2. Secondary Notifications

#### **MANAGEMENT**

##### **FIRST ACTIONS**

- A. Establish an ongoing communications link with the affected area and gather information and other data to compile an initial assessment of the emergency.
- B. Activate mutual aid system through direct communications
- C. Develop the initial Veterinary and health response action plan.
- D. Determine the need to activate and deploy liaison and/or field rapid assessment team into the affected area.
- E. Establish daily state wide interagency conference calls.
- F. Logistical support as required for procurement, mobilization and transport of requested resources.

##### **IV. FACILITIES**

- A. ARD has District and Block level Administrative Set Ups.
- B. State/Block/Additional Block Animal Health Centres.
- C. Animal Dev. Aid Centres in all Gram Panchyets.

##### **During a Calamity:**

A calamity is considered an incident that is beyond the scope where individual, local and community resources can deal with the event as an emergency. This usually indicates the event either happens very rapidly, there is no mitigating control, or both. This is why emergency service responders use the idiom “You respond to emergencies—you recover from a calamity.”

Normally, the response time for calamity is extremely limited. If farmers are not aware of pre-existing conditions, farmers will have even less time to respond. It's important to mentally develop a priority system for safety efforts. The accepted sequence for safety and evacuation is people first, then pets, then livestock, then property. Farmer's personal priority system may vary but they should always put the safety of people far ahead of other concerns. Understand that their desires to address pets, livestock, and property will not precede the personal safety of everyone in the calamity-affected area.

**Flash floods:**

Livestock have a natural move away instinct to flash flood waters. They generally seek higher ground if possible. It is important to allow livestock a way to reach high ground in each pasture. Without access, livestock will fight fences and be at a greater risk of drowning. Livestock will initially panic during flash floods. This complicates livestock handling.

**Large Floods:**

Since large-scale floods are more predictable and usually slower to develop than flash floods. Livestock will move gradually away from rising floodwaters to higher ground. Unfortunately, the higher ground may not be high enough to compensate for the final flood level of large-scale floods.

**Drought:**

Drought is a silent calamity (along with famine and pestilence) because it has a slow onset period that does not encourage monitoring because of its discomfort. The key elements to managing animals in drought disaster are food, water and shelter. The lack of any of these factors, or a scarcity of one or more, can lead to a slow death for livestock. Animal reaction to drought is slow and vague until at critical health levels. Of all the calamities, drought has the greatest potential to affect the widest area, often impacting multi-state regions at the same time.

**Suggestions for animal safety:**

Do not leave halters or headstalls on animals in holding pens or when released. They can catch the tack on trees, equipment and other obstructions.

Do not tie animals together when releasing them. The connection creates a hazard for the animals and people trying to recapture them.

Try to avoid releasing animals unless absolutely necessary to protect your safety. They may run accidentally towards other risks.

Report the location, identification and disposition of your livestock to authorities handling the calamity; especially if your animals are aggressive or nervous by nature.

**Disposal of a dead animal during calamity cleanup:**

It is usually the responsibility of the owner or person in charge of domesticated animals to appropriately dispose of dead animals in accordance with local or state ordinances within 24 hours after knowledge of the death. It can be the responsibility of the municipal or county government to designate appropriate people to dispose of any domestic dead animals whose owner cannot be identified.

**Burring of animal:**

Each farm operation should have specific plans for animal disposal in the event of an emergency. Farm operations should check with state and local authorities to ensure their plan meets local requirements. These guidelines are intended to address dead animal disposal during a declared emergency. They do not take the place of the dead animal disposal that occurs under the normal permitted operation of a farm.

**PLAN & PROGRAMME FOR NATURAL CALAMITY SITUATION 2019-20**

**Nodal Officer :Dr.Samir Kumar Modak DVO(I/C O/O Dy. Dir.ARD & PO, D/Dinajpur)**

**Control Rooms: Three tier control room set up as follows :**

**District Control Room :**

| Control Room | Designated Officer | Designation | Contact No |
|--------------|--------------------|-------------|------------|
|--------------|--------------------|-------------|------------|

**Sub -Divisional Control Room for Gangarampur at Buniadpur:**

| Control Room   |          | Designated Officer    | Designation          | Contact No |
|----------------|----------|-----------------------|----------------------|------------|
| Location       | Phone No |                       |                      |            |
| SAHC,Buniadpur | *        | Dr.Maniklal Saha      | VO, SAHC (in charge) | 9434246889 |
|                |          | Sri Sabyasachi Pandey | Pharmacist           | 9433654401 |
|                |          | Sri Nayan Ghosh       | Gr-D                 |            |
|                |          | Sri Pradip Kr Roy     | Gr -D                |            |

**Block Level Control Room :**

| BLOCK       | Control Room | Designated Officer   | Designation | Contact No |
|-------------|--------------|----------------------|-------------|------------|
|             | Location     |                      |             |            |
| Balurghat   | BLDO Office  | Dr Kalyan De         | B L D O     | 9434503703 |
| Kumarganj   | BLDO Office  | Dr Mihir Kumar Ghosh | B L D O     | 9434633318 |
| Hili        | BLDO Office  | Dr Provakar Biswas   | B L D O     | 9593445866 |
| Tapan       | BLDO Office  | Dr Debasish Ghosh    | B L DO      | 9434542348 |
| Gangarampur | BLDO Office  | Dr Swapan Bala       | B L D O     | 9474071848 |
| Bansihari   | BLDO Office  | Dr Maniklal Saha     | B L D O     | 9434246889 |
| Harirampur  | BLDO Office  | Dr Nilratan Mondal   | B L D O     | 7872706885 |
| Kushmandi   | BLDO Office  | Dr. Pradip Pati      | B L D O     | 9748597795 |

**Necessary Action will be Taken :**

- \* All Officers and Staffs will be alerted by the Dy. Director, ARD, Dakshin Dinajpur.
- \* The Director, AH&VS, WB will be requested to allot necessary fund for medicine
- \* The Dy. Dir, Agri (Adm) will be requested to preserve 200 MT paddies straw as an emergency.
- \* The Officer In-charge, Gazole Feed plant will be requested to stock 50 MT Cattle feed for D. Dinajpur.
- \* The AD (DI) will be instructed to procure & preserve sufficient vaccines at Balurghat&Buniadpur as per availability for conducting Mass Vaccination Programme.
- \* District Veterinary Officer, D.Dinajpur will be requested to preserve a token stock of medicine.
- \* All the Block Label ARD Officers will be requested to keep close contact with the Block Administration for safe custody of affected animals.
- \* Mass Vaccination Programme will be continued at the time of probable Pre Calamity Period. Also to be continued after the Calamity.
- \* Refreshers Training of all concerned to be conducted as and when necessary.
- \* All ARD Officials will be alerted to keep close liaison with other Government and Non Government Organizations during combating the Multi Hazards Disaster Operation.

**POSTCALAMITY SITUATION :**

- This will be the most important task to our Department.



- Necessary care to the rest of the animals to be secured mainly the health and nutritional point of view.
- Assessment of losses will be evaluated by the ARD personnel's as per advice of the District Authorities.
- Assistance to farmers will be done as per guidance of the State.

### **3. Plan of Balurghat (Agri Irrigation) Division**

#### **Hazards, Risks and vulnerabilities of the functions of Water Investigation & Development Department.**

1. Nature of minor irrigation Infrastructure and its span in the Block:

Deep Tube well, Heavy Duty Tube well, Medium Duty Tube well and state owned Shallow Tube Well installed in different block for providing Irrigation facility.

2. Physical Vulnerabilities of the structures towards Natural Disasters like Cyclone, floods, Earthquake, Drought: Pump House of M.I. Scheme & electrical appliances like Starter, main switch may be damaged. Pipeline may be swept away. Routine Repair & maintenance of pump house, pipeline is carried over after monsoon.

3. The current service pattern of Minor Irrigation Facilities at the Block and the major Seasonal Risks & Vulnerabilities: Operator/Asst. Operator posted at Block communicates regularly to the concerned Assistant Engineer (A-I)

4. Any special programme facilities now in place towards creation of new infrastructure /facilities or maintaining /renovating of the existing ones: New project taken up under RIDF, PMKSY, & Renovation work taken under core sector Programme.

5. The picture of Irrigation potential now in place and the Command Area/total service provided: DTW/HDTW- 40Ha., MDTW-20Ha.

6. The general Occurrence of Breaching or drying of the sources and consequent disasters: There is no scope of breaching or drying of the sources of HDTW/MDTW.

7. What are the major problems generally noticed during the major Natural Disasters like Cyclone, Floods, Drought: Partial damage of pump house, Electric pole, Electrical appliances like starter, main switch, pipe line may wash away during natural disaster.

8. What are the strategies of Disaster Management plan of the Water Investigation & Development Department: Regular Monitoring of the Operator/Asst. Operator by the Executive Engineer / Assistant Engineer frequent visit of the structure and adequate storage of spare parts are the strategies to combat the disasters. If modern flood prediction system is developed/installed by the concerned department (i.e. by I & W Dte.) and information regarding occurrence of flood is received beforehand, the electrical/mechanical equipments may be shifted to safe custody and damage of Govt. materials may be prevented to a considerable extent.

9. During Drought approximately 2000 Ha. area will be brought under assured irrigation by own & operated HDTW / DTW / MDTW / SOSTW schemes.

**10. Control Room at Balurghat (A-I) Division, Balurghat, Dakshin Dinaipur:**

| SL. NO. | NAME                  | DESIGNATION             | MOBILE NO  |
|---------|-----------------------|-------------------------|------------|
| 1       | Sri Dayamoy Ghosh     | Executive Engineer(A-I) | 9932842328 |
| 2       | Sri Tapas Kumar Kundu | Junior Engineer (Civil) | 9474074107 |
| 3       | Sri Kalipada Saha     | Head Clerk              | 8250682450 |
| 4       | Sri Nitish Kumar Das  | Peon                    | 8906156623 |

**4. PLAN OF FISHERIES DEPARTMENT , BALURGHAT**

**INTRODUCTION:**

Dakshin Dinaipur District is sufficiently rich in fisheries. Almost 30% of people gets their livelihood support out of these water areas directly or indirectly. We have 9001.43 Hectares of water bodies catering to the following blocks apart from big water bodies of 232.98 Hectares :

| Sl No        | Name of Blocks | Private owned |                | Govt. Owned |               | Total(in Ha) |                |
|--------------|----------------|---------------|----------------|-------------|---------------|--------------|----------------|
|              |                | Nos.          | Areas (in Ha)  | Nos.        | Area (in Ha)  | Nos.         | Area (in Ha)   |
| 1            | Balurghat      | 48538         | 1273.28        | 0           | -             | -            | 1273.28        |
| 2            | Hili           |               | 360.83         | 1           | 6.02          | -            | 366.85         |
| 3            | Kumarganj      |               | 948.30         | 3           | 15.02         | -            | 963.32         |
| 4            | Tapan          |               | 1552.30        | 5           | 57.49         | -            | 1609.79        |
| 5            | Gangarampur    |               | 1617.12        | 2           | 23.04         | -            | 1640.16        |
| 6            | Banshihari     |               | 678.20         | -           | -             | -            | 678.20         |
| 7            | Harirampur     |               | 1085.10        | 17          | 99.55         | -            | 1184.65        |
| 8            | Kusumandi      |               | 1486.30        | 3           | 31.86         | -            | 1518.16        |
| <b>TOTAL</b> |                | <b>48538</b>  | <b>9001.43</b> | <b>31</b>   | <b>232.98</b> | <b>48569</b> | <b>9234.41</b> |

Out of the above water bodies 10-12% are cultivated for rearing of fry/ fingerlings & 88-90% for cultivation of table/ big fish. The production is as follows. This district has 11 nos. of hatcheries producing spawn of Inland Major Carp (IMC) and indigenous varieties too. The district is hopefully excess in producing seeds/ table fish in respect of demand. Excess production is sent to other districts/states.

**DISTRICT SET UP:-**

The Assistant Director of Fisheries in the district is assisted by District Fishery Officer (normal), District Fishery Officer (Trg) and District Fishery Officer (Co-Op) in different wings of fisheries works. The block level Fishery Extension officers look after the implementation of the fisheries schemes at block areas. They are solely responsible to see and expand fishery activities under the Block Development officer and in consultation of Panchayet Samity. Their contacts are given below :

| SI No | Name of The Block | Name of the Fishery Extension Officer   | Contact No |
|-------|-------------------|---|------------|
| 1     | BALURGHAT         | Smt. Tanushree Maity                    | 9007794322 |
| 2     | HILI              | Miss. Antara Bhattacharya (Addl.Charge) | 9007089914 |
| 3     | KUMARGANJ         | Sri. Sumit Mondal (Addl. Charge.)       | 9874718206 |
| 4     | TAPAN             | Sri. Sumit Mondal                       | 9874718206 |
| 5     | GANGARAMPUR       | Sri. Pritam Saha                        | 9007089942 |
| 6     | BANSHIHARI        | Smt. Kuheli Mondal                      | 9831763159 |
| 7     | HARIRAMPUR        | Sri. Amit Majumder                      | 9831763167 |
| 8     | KUSUMANDI         | Miss. Antara Bhattacharya               | 9007089914 |

There are 11 nos. of Fishermen' Co-operative societies having the aquaculture/ Business on pisciculture activities for their economic upliftment. All of the these societies have community halls except Hili/ Tapan Thana/ Harirampur Block FCS Ltd. for holding meetings etc. which may come under use of flood victims. They do possess boats/nets which may be utilised during disaster. Fishery Extension Officers of blocks has control over these societies and they work with the Board of Directors of the societies.

### **FISHERY CO-OPERATIVES :**

| SI No | Name of Co-operative society | Name of the Block where located | Whether possess |       |      | Contact No |
|-------|------------------------------|---------------------------------|-----------------|-------|------|------------|
|       |                              |                                 | Community Hall  | Boats | Nets |            |
| 1     | Balurghat FCS Ltd.           | Balurghat                       | Yes             | Yes   | Yes  | 9002514604 |
| 2     | Hili FCS Ltd                 | Hili                            | No              | No    | No   | 9932287889 |
| 3     | Dahaghat-Jamalpur FCS Ltd.   | Do                              | Yes             | Yes   | Yes  | 8154186618 |
| 4     | Lalpur FCs Ltd.              | Do                              | Yes             | Yes   | Yes  | 9609996332 |
| 5     | Kumarganj Block FCS Ltd.     | Kumarganj                       | Yes             | Yes   | Yes  | 8116659502 |
| 6     | Tapan Thana FCS Ltd.         | Tapan                           | NO              | Yes   | Yes  | 9733785355 |
| 7     | Gangarampur MSS Ltd.         | Gangarampur                     | Yes             | Yes   | Yes  | 9434511734 |
| 8     | Banshihari FCS Ltd.          | Banshihari                      | Yes             | Yes   | Yes  | 9734511734 |
| 9     | Manipukur FCS Ltd.           | Banshihari                      | Yes             | Yes   | Yes  | 7679528635 |
| 10    | Harirampur BFCS Ltd.         | Harirampur                      | NO              | Yes   | Yes  | 9733381640 |
| 11    | Kushmandi BFCS Ltd.          | Kushmandi                       | Yes             | Yes   | Yes  | 9647429213 |
| 12    | D/Dinajpur CFCS Ltd.         | Balurghat                       | NO              | NO    | NO   | 6294417524 |

D/Dinajpur CFCS Ltd. situated at Power house, Balurghat has a spacious floor which may be used for flood victims if required.

### **LOSS IN FISHERIES DURING FLOOD:-**

Inundation of water bodies generally takes place during the months of September-October and normally if 25% to 30% of the total water areas are affected on an average, the block wise loss may be the following extent considering the vulnerability of the areas:-

| SI No | Name of the Block | Water area may be affected (Hectare) | Loss of Fish (MT) | Amount (Rs. In Lac) |
|-------|-------------------|--------------------------------------|-------------------|---------------------|
| 1     | Balurghat         | 260.00                               | 312.00            | 343.20              |
| 2     | Hili              | 70.00                                | 84.00             | 92.40               |
| 3     | Kumarganj         | 400.00                               | 480.00            | 528.00              |
| 4     | Tapan             | 220.00                               | 264.00            | 290.40              |

|       |             |         |         |         |
|-------|-------------|---------|---------|---------|
| 5     | Gangarampur | 700.00  | 840.00  | 924.00  |
| 6     | Banshihari  | 250.00  | 300.00  | 330.00  |
| 7     | Harirampur  | 200.00  | 240.00  | 234.00  |
| 8     | Kushmandi   | 350.00  | 420.00  | 462.00  |
| TOTAL | 8 Blocks    | 2450.00 | 2940.00 | 3204.00 |

#### **PRE-FLOOD MEASURES:-**

1. Fish farmers may arrange for protection of pond embankments so that rain water may not wash out the weak embankments, if not severe inundation takes place.
2. Nets may be kept ready for fencing surroundings the pond area and thus, not to allow fishes to go out the water bodies if not the area is badly inundated.
3. To avoid the occurrence of loss due to flood, farmers may harvest a crop before the month of September.
4. Arrangement may be made for sufficient stock of fish fingerlings elsewhere.

#### **POST FLOOD RESTORATION MEASURES:-**

1. For disinfection and further use of water bodies affected, lime treatment is required and after which such ponds may be brought for pisciculture.
2. Liberation of fingerlings may be arranged to compensate loss of fish.

## **5. PLAN OF THE COMMANDANT, 183 BN BSF,**

#### **INTRODUCTION:-**

183 BN BSF is presently deployed under SHQ Raiganj (Frontir North Bengal) and guarding the INDO-BANGLADESH International Boundary from Border Pillar No.261/5-s to 281/54-s with length of the IB 48.892 kms. The border area falls in the Dist of Dakshin Dinajpur (West Bengal). 06 Coys of the Unit with 11 Nos of Border Out Posts are manning the Area of Responsibility (AOR) to guard and preserve the sanctity of the International Boundary along with task to prevent smuggling and other transborder crimes in the AOR. The Unit has been deployed in the area since 24/09/2016.

#### **FLOOD RELIEF OPS:**

##### **Background:-**

There was a sudden, unexpected and alarming flood situation during monsoon season in the year 2017 in entire plain areas of Dakshin Dinajpur. Bulk of population/border areas got cutoff. This caused difficulties not only to the local population but also to the Distt. Administration. Hence, keeping this in view and to get the Distt. Machinery respond quickly and in planned and coordinated manner, it is required that a contingency plan be planed through Distt. Disaster Management Cell incorporating the contingency plans of all Govt. Department viz., BSF, Police, Fire Fighting Station, Forest Dept., Irrigation and water ways dept., Fisheries dept, PHE, PWD, CPWD, WBSEDCL, Dist Food & Supplies, NGOs And Voluntary Organisation etc. in the Dist. So that such emergency situation could be better managed and handel synergically.

### **Contingency Plan:-**

In view of the above , 183 BN BSF has prepared a contingency plan for dealing with the Flood situation. The Contingency plan has been worked out at three levels:-

At Battalion HQ level and

At Coy level at the Border area (in the Area of Responsibility)

In aid to Civil/Disst. Authorities

### **The broad outline perspective of the Contingency plan is as under:-**

The Contingency plans for Flood disaster management both at the Battalion as well as at Coy level in Border area (AOR) have been worked out to be carried out in three phases/stages as:-

(a) Preparatory phase (For Preparedness/Pre Flood measures)

(b) During Flood

(c) Post Flood phase

### **BN HQ level Contingency plan:-**

The BN HQ 183 BN BSF is situated at Atrai, Patiram, D/Dinajpur. The Bn HQ is co-located with another BSF Bn (199 BN BFS). There is a River Atrai flowing near to the campus in the east direction flowing from North to South, at a distance of about 500 mtrs approx. The river flows perennially. The width of the river normally remains 150-200 mtrs with depth of approx. 3-10 mtrs. However during monsoon season the volume of water increases tremendously with the extent of width reaching upto 500-2000 kms inundating a wide catchment areas and affecting the areas all around the BSF Campus. The level of flood water in the BSF campus during last flood was around 2-3 ft. with most of the campus area remained flooded for over one week.

Keeping the flood situation in the campus, following points have been taken into consideration in the contingency plan:-

#### **Preparatory Stage:-**

- (i) All the low lying areas, buildings and other infrastructures existing in the area that are prone to be affected by the flood in the campus have been identified and marked.
- (ii) High raised areas /buildings and grounds in and around the campus have also been identified for use during such situations.
- (iii) Marking of roads using long poles on the sides, and even the dangerous areas like drains, low lying areas to restrict movements of troops and their families.
- (iv) Places and mode of shifting all essential stores of the Unit to safer places (duly identified), identifying and marking of routes and security of stores.
- (v) Advance stocking of rations/stores/medicines/POL/cooking gas etc.
- (vi) Drinking water facility.
- (vii) Routine day to day functioning without any disturbances.
- (ix) Organising Disaster Incident Management team (DIMIT) at the Bn level and framing of their charter of duties.
- (x) Constituting of a Flood Rescue team in the Unit comprising of NDRF trained/repatriated personnel and other swimming knowing personnel of the Unit, providing suitable equipment for the purpose and providing Refresher trg to the Team, who can be utilized in the Unit and can assist the Distt. Admn in emergency.
- (xi) Keeping Medical teams ready 24x7 with Ambulance, all necessary medicines and lifesaving equipment.
- (xii) Shifting of controlled items to safer places in advance.

#### **During Flood:-**

- (i) Warning order by the DIMIT to all concerned through fastest means of communication.
- (ii) Warning to troops and families.
- (iii) Switching off electricity to avoid any electrical hazard.
- (iv) Immediate shifting of manpower and light stores to safer places earmarked beforehand.
- (v) Constant watch on flood situation placing guards.
- (vi) Distribution and stocking of drinking water and essential food items.
- (vii) Monitoring of health hygiene & sanitation.

- (viii) Distribution of medicine and cook food to needy.
- (ix) Sending rescue teams to nearby local areas as per requisition by district administration.

#### **Post Flood phase:-**

- (i) Clearing/Cleaning and disinfecting all flood affected areas.
  - (ii) Draining out of accumulated and residual flood waters from low lying areas using suction/ sewerage pumps.
  - (iii) Inspection of areas by Unit Medical Officers and his team.
  - (iv) Disinfection of drinking water source.
  - (v) Ensuring proper physical audit of condition of all stores after flood.
  - (vi) restoration of essential services like water supply and electricity in the campus.
  - (vii) Shifting of troops and stores back to their respective places and resuming of normal duties and office functioning.
  - (viii) Assisting local district administrative in distribution of flood relief material to the needy in Border area.
- (II) Contingency plan at Border BOP level in AOR of the Unit:-

#### **Preparation stage:-**

- (i) Identifying all flood prone low lying areas within and nearby area & in the BOP (Coy wise) in the light of past history and with priority for attending in case of flood situation keeping in view the troops and sensitive / controlled items.

It is pertinent to mention here that during 2017 flood in the border area

BOP Durgapur were affected with the flood reason being the BOPs are in vicinity of Shree Nallah and Ghagrakhari Nallah respectively as also the general area is low lying. However, the border road in the area being on raised ground was not affected by the flood water barring one or two places having causeway. Hence, the border road in the area to some extent can be used in case of emergency.

- (ii) Identification of high rise buildings / high ground areas in the BPO and adjacent / nearby area, which can be utilized for immediate shifting of manpower and stores in case of emergency.
- (iii) Identifying routes and alternative routes in case of flood, to Bn HQ, Dist HQ D/Dinajpur and flanking BOPs.
- (iv) Mode of shifting of controlled items / equipment and other stores.
- (v) Advance stocking of ration, Medicines, POL, cooking gas etc necessary to sustain the emergency in case of flood.
- (vi) Making available Food rescue team at Coy level with necessary safety equipments like life jackets, ropes, inflated tubes and improvised rafts/boats etc.
- (vii) Medical team with sufficient medicines and lifesaving drugs.
- (viii) Early Warning system.
- (ix) Means of communication with Flood rescue team(s) in case of rescue operation,
- (x) Regular liaison with the Dist. Authorities through BDO, Pradhan Gram Panchayat, Disaster Management authorities, Police authorities etc. regarding development/progress regarding preparedness at their level for synchronizing efforts for better management during crisis.
- (xi) Hiring of Country boats at least for BOP Chakgopal and BOP Durgapur for use by troops during flood is a better option and being examined.

#### **During Flood:-**

- (i) Warning order to all concerned about Incident through faster means of communication.
- (ii) Warning to troops and nearby border population.
- (iii) Switching off electricity to avoid any electrical hazard as soon as the flood water starts increasing and water logging starts in the area.
- (iv) Immediate shifting of manpower and stores to earmark safer places if warranted.
- (v) Constant and round the clock watch on flood situation by placing OPS in the AOR.
- (vi) Prevent any infiltration/exfiltration attempt across the IB by keeping close vigil on the movement of border population on both sides of the IB.

(vii) Assist border population with flood rescue materials and their shifting to earmark high ground by the district administration on requisition.

**Post Flood phase:-**

- (i) Clearing / Cleaning and disinfecting all flood affected buildings/ infrastructures / areas.
- (ii) Draining out of accumulated and residual flood waters from low lying areas using suction/Sewerage pumps.
- (iii) Inspection of area by Unit Medical Officers and his team.
- (iv) Disinfection of drinking water source.
- (v) Ensuring proper control of the situation.
- (vi) Restoration of essential services like water supply and electricity in the campus.
- (vii) Shifting of troops and stores back to their respective places and chalking of all control items.
- (viii) Resuming of routine OPS duties.
- (ix) Ensuring proper distribution of flood rescue materials and medicines to the border population on being provided by the district administration.

**FLOOD RESCUE AND RELIEF OPS IN AID TO CIVIL ADMINISTRATION:-**

This Battalion has also worked out modalities and prepared Contingency plan to assist the Civil administration in following manner in case of such emergency:-

- By providing water tankers / trucks for supplying drinking water/food/stores to flood victims.
- Providing Medical assistance with Ambulance service , organizing Mobile Medical Camps and Medical camps under unit Medical team to the flood victims.
- Distribution of drinking water ,food packets to flood victims.
- May provide manpower assistance for flood rescue operation utilizing trained personnel in extreme emergency condition after clearance from Competent Authority.

- Organising Flood rescue training to villagers to raise a team of volunteers who can be utilized in case of emergency with the help of the flood rescue material provided by the district administration.
- A Nodal Officer will be deetailed from the Unit who will be in regular touch with the Distt Disaster Mangement Cell well before advent of the monsoon season so that right from preparatory stge till post flood stage things can be better managed keeping major thrust on Disaster preventive measures .

**Note for consideration :-**

In the entire area of responsibility of this 183 Bn BSF, the Indo - Bngladesh Boder Road (IBBR) having width aprox. 10 feet is constructed in the 100 ft. width land acquired by the BSF for development of border infrastructures viz., Boder Road, Boder Fencing and Boder Flood Lights,with protection wall. Sence these infrastructures have been constructed on raised ground keeping the HFL (Hight Flow Limit) in the area, remains generally safe during the flood.Hence,the boder road can be utilized for temporary shifting of boder populatins, their lives stocks etc. foe safety during such emergency period. Keeping this aspect in view, the boder road in vicinity of villages which are prone to flood , may be increased in the width by earth filling along side so that such area can be well utilized by the boder villagers during flood. Distt. Authorities may consider the work under MNREGA programme for the safety and security of the boder population in the area dering flood.Also this unit may be provided wit flood rescue material and sufficient Medicines during monsoon season for the boder population.

## **6. PLAN OF BALURGHAT FIRE STATION**

Balurghat Fire Station Phone Number-03522-255613

Details picture of Balurghat Fire Station :-

Station Officer :- Sambhu Nath Gope, Mobile No.6295496930

Sub-Officer:- Narendra Nath Roy, Mobile No.7908408661

**Fire Fighting Tender :- 07(Seven), Respectively**



1. MP-393(WB-03D/3044)
2. WC-86(WB-03D/4270)
3. MP- 77(WB-03D/3818)
4. Brigade-73(WB-03D/2340)
- 5.UV-46,(WB61/3291)
6. MWT-26(WB-61A/2979)
- 7.WC-18(WB)3C/2687)
8. Bullet bike for small fire fighting.(WB62E/5306)

**Special Apparatus respectively :-**

- a) ASka Light-3 Nos.
- b) Wooden Saw-1 No.
- c) Dimond Cutter-1 No.
- d) Godiva Pump-1 Nos.
- e) Honda Pump Small Size-4 Nos.
- g) Portable Extinguisher
- h) Breathing apparatus set
- i) PPE Suit
- j) Fire Ball

## **7. PLAN OF GANGARAMPUR FIRE STATION**

Vehicles to be used during Disaster Management & list with no. of kits available

| SL.NO. | NO. OF VEHICLE |         | NUMBER |
|--------|----------------|---------|--------|
| 1.     | W.C-73         | Vehicle | 1 No.  |
| 2.     | MP-380         | Vehicle | 1 No.  |

|     |                 |            |         |
|-----|-----------------|------------|---------|
| 3.  | M.S.W.T-113     | Vehicle    | 1 No.   |
| 4.  | U.V.-61         | Vehicle    | 1 No.   |
| 5.  | Lock Cutter     | Applienees | 1 No.   |
| 6.  | Celling Hook    | Applienees | 2 No.   |
| 7.  | Lowering Line   | Applienees | 1 No.   |
| 8.  | Crow Bar        | Applienees | 1 No.   |
| 9.  | Insulated Axe   | Applienees | 1 No.   |
| 10. | Ganvas Stacher  | Applienees | 1 No.   |
| 11. | Portable Pump   | Pump       | 2 No.   |
| 12. | R P P           | Pump       | 1 No.   |
| 13. | Exteneen Lader  | Ladder     | 2 Nos.  |
| 14. | Aska Light      |            | 1 No.   |
| 15. | Concrete Cutter |            | 1 No.   |
| 16. | Fire Ball       |            | 16 Nos. |
| 17. | P. P. E.        |            | 2 Nos.  |
| 18. | B. A. Set       |            | 4 Nos.  |

## 8. PLAN FOR DISTRICT HEALTH DEPARTMENT

# DISASTER MANAGEMENT



SUPER TYPHOON HAIYAN, PHILIPPINES



SUPER TYPHOON HAIYAN, PHILIPPINES



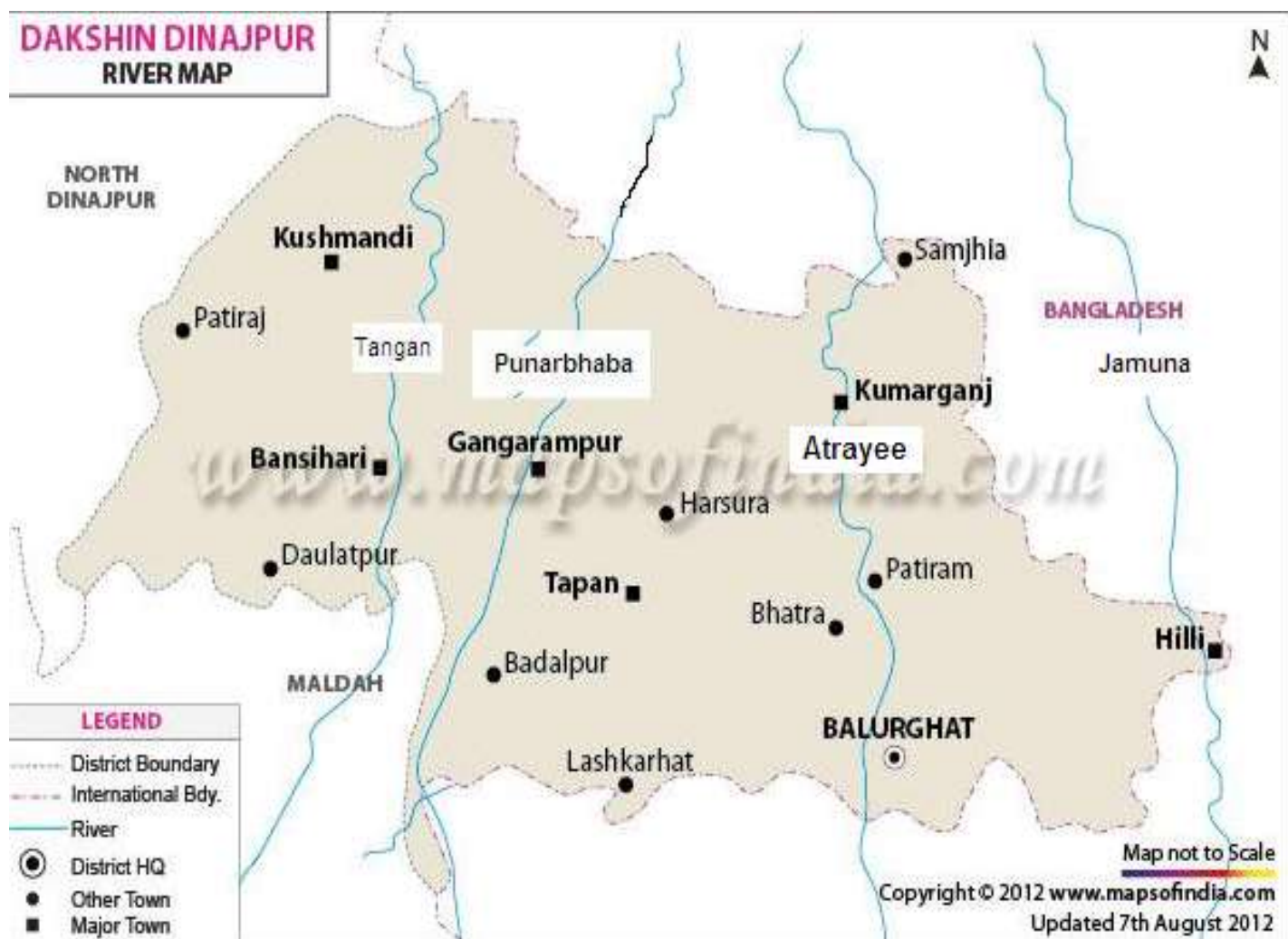
TSUNAMI, JAPAN



VOLCANIC ERUPTION, ICELAND



FUKUSHIMA NUCLEAR DISASTER



### Name & contact details of block nodal officers

| SI No | Name of RH / BPHC | Name of Supdt / BMOH        | Mobile number |
|-------|-------------------|-----------------------------|---------------|
| 1     | Hili RH           | Dr. Rugranshu Majumder      | 8584016555    |
| 2     | Khashpur RH       | Dr. Arpan Sarkar            | 7872323239    |
| 3     | Kumarganj RH      | Dr. Pushpendu Bhattacharjee | 9830330457    |
| 4     | Tapan RH          | Dr. Debesh Nath             | 9434328248    |
| 5     | Gangarampur SDH   | Dr. Amal Krishna Chudhary   | 9434055946    |
| 6     | Rasidpur RH       | Dr. Plaban Mandal           | 9474011411    |
| 7     | Harirampur RH     | Dr. S.K.Sauvhik Alam        | 7797836838    |
| 8     | Kushmandi RH      | Dr. Amit Das                | 9830350069    |

### Status of Submerged Health Institution during Flood, D/Dinajpur

| Name of the Block | No. of Submerged Centers |              |           |
|-------------------|--------------------------|--------------|-----------|
|                   | RH/BPHC                  | PHC          | SC        |
| Gangarampur       | 0                        | 0            | 9         |
| Banshihari        | 1                        | 0            | 1         |
| Hili              | 0                        | 1 (Binsira)  | 3         |
| Balurghat         | 0                        | 1 (Dakra)    | 10        |
| Kumarganj         | 0                        | 0            | 0         |
| Kushmandi         | 0                        | 1 (Aminpur)  | 11        |
| Tapan             | 0                        | 0            | 5         |
| Harirampur        | 0                        | 1 (Balihara) | 6         |
| <b>Total</b>      | <b>1</b>                 | <b>4</b>     | <b>45</b> |

## Substitute place planned for health establishments likely to be affected

| SI No | Name of the Health establishment likely to be affected                 | Alternative place where service delivery is planned to be shifted |
|-------|--|---|
| 1     | Rashidpur RH   | Gangarampur SDH   |
| 2     | Saiyedpur GP   | Balihara PHC  |
| 3     | Gokarna GP   | Balihara PHC  |
| 4     | Bagichapur GP  | Harirampur RH   |
| 5     | Ramparachenchra, Kasbabatoir, Nimtoir, Nogaon, Mandapara (Tapan Block) | Ramparachanchara GP office,                                       |
| 6     | Monoholi, Bazrapukur (Tapan Block)                                     | Bazrapukur SC   |
| 7     | Dhulchandriya (Tapan Block)  | Horsura GP Office   |
| 8     | Kardaha, Sukdebpur (Tapan Block)                                       | Ramchandrapur GP Office   |
| 9     | Ghatika, Nababnagar, Bakhorepur (Tapan Block)                          | Gurail GP office  |

## List of areas likely to be affected with proposed additional service point

| Name of Block | Popu-lation at risk | additional service point planned with probable name of the place like school, GP office etc. |   |  |
|---------------|---------------------|--|---|--|
|               |                     | Probable no of mobile medical teams required   | Temporary medical OPD service points (name of the place)  | Temporary (24x7) medical service point with beds (name of the place)                               |
| Hili          | 37348               | 7  | Hili RN High School, Panjul GP Office, Trimohini Flood shelter, Binshira GP Office & Jamalpur Flood shelter | Hili RN High School, Panjul GP Office, Trimohini PHC, Teor KA High School & Jamalpur Flood shelter |
| Balurghat     | 100131              | 5  | Patiram SC, Bhushila SC, Hajipur SC, Chingishpur SC   | Kamarpara PHC & Bolla PHC  |
| Kumarganj     | 72468               | 8  | G.P. Office   | Kumarganj BDO Office   |
| Tapan         | 51201               | 8  | Mission School, Bazrapukur SC, Rampur SC, Kardaha SC, Gurail GP office, Autina GP office, Badsankair SC     | Monoholi PHC   |
| Gangarampur   | 5575                | 6  | Gangarampur Stadium   | Gangarampur Municipality Office  |
| Banshihari    | 52511               | 8  | RCH- Plus Camp Site, RCH- Plus Camp Site & Shihole SC, Mahugram SC  | Banshihari BDO Office  |
| Harirampur    | 121811              | 5  | Balihara PHC, Harirampur RH, Jotgouri SC, Bairhatta SC  | Balihara PHC   |
| Kushmandi     | 39500               | 9  | Maligaon GP office  | Maligaon GP office   |
| Total         | 420183              | 62   |   |  |

## **Special health programme towards Curative, Preventive and Promotive health**

- ❖ **National Vector Borne Disease Control Prog(NVBDCP)**
- ❖ **National Programme for Control of Blindness (NPCB)**
- ❖ **National Programme for Cancer, Diabetes, Cardiovascular Disease & Stroke (NPCDCS)**
- ❖ **National Programme of Health Care for Elderly (NPHCE)**
- ❖ **National Prog. for Prevention of Control of Fluorosis(NPPCF)**
- ❖ **Reproductive Maternal Neonatal Child Health (RMNCH)**
- ❖ **Rashtriya Bal Swasthya Karyakram (RBSK)**
- ❖ **Rashtriya Kishor Swasthya Karyakram (RKSK)**
- ❖ **Weekly Iron Folic Acid Supplementation (WIFS)**
- ❖ **Adolescent Reproductive Sexual Health(ARSH)**
- ❖ **National Deworming Day (NDD)**
- ❖ **Revised National Tuberculosis Control Program (RNTCP)**
- ❖ **National Leprosy Eradication Programme (NLEP)**
- ❖ **National Iodine Deficiency Disorder Control Programme (NIDDCP)**

## **Major Diseases Noticed During Natural Disasters**

- ❖ **Acute Diarrheal Disease & Food poison**
- ❖ **Bacillary Dysentery**
- ❖ **Acute Respiratory Infection / Influenza like Illness**
- ❖ **Pneumonia**
- ❖ **Measles**
- ❖ **Scabies**
- ❖ **Conjunctivitis**

# **Other Health Events Noticed During Natural Disasters**

- ❖ Snake bite**
- ❖ Electrocution**
- ❖ Drowning**
- ❖ Injuries & Accidents**



# Strategies

- 1) District level convergence with stake holders under the chairmanship of District Magistrate, D/Dinajpur**
- 2) Review of the block Disaster Committee and re-orientation**
- 3) Assessment of casualties at GP and Block level**
- 4) Identification of vulnerable points in relation to health infrastructure and services**
- 5) Insuring health service at alternative place for health establishment if likely to be affected, as per proposed plan**
- 6) Mobilization of services at need point including man power, drugs, consumables and vehicle**
- 7) Co-ordination with all peripheral points with district level control room at 24 x 7 under control of Dy.CMOH-II,D/D**
- 8) Setting up of 24 x 7 temporary service point with beds as per need with mobilization of resources (Human Resource, Drugs & Vehicles), already identified**
- 9) Daily reporting from block level & propagate from dist. H.Q. to Swasthya Bhawan**

## Planning and deployment of Human Resource during flood / disaster situation

| Category            | Present availability<br>(number) |       |                                    | Manpower (10%) who can be<br>deployed to other place* |       |                                    |
|---------------------|----------------------------------|-------|------------------------------------|---|-------|------------------------------------|
|                     | DH                               | SD/SG | Block<br>(include<br>RH &<br>BPHC) | DH  | SD/SG | Block<br>(include<br>RH &<br>BPHC) |
| Specialist          | 30                               | 27    | Nil                                | 3   | 2     | Nil                                |
| Medical<br>Officer  | 13                               | 13    | 30                                 | 1   | 1     | 3                                  |
| Nursing<br>Staff    | 278                              | 219   | 106                                | 27  | 21    | 10                                 |
| MPHW                | 1                                | 1     | 232                                | Nil   | Nil   | 23                                 |
| 2 <sup>nd</sup> ANM | Nil                              | Nil   | 216                                | Nil   | Nil   | 21                                 |
| ASHA                | Nil                              | Nil   | 1426                               | Nil   | Nil   | 142                                |

## Communication (District Level)

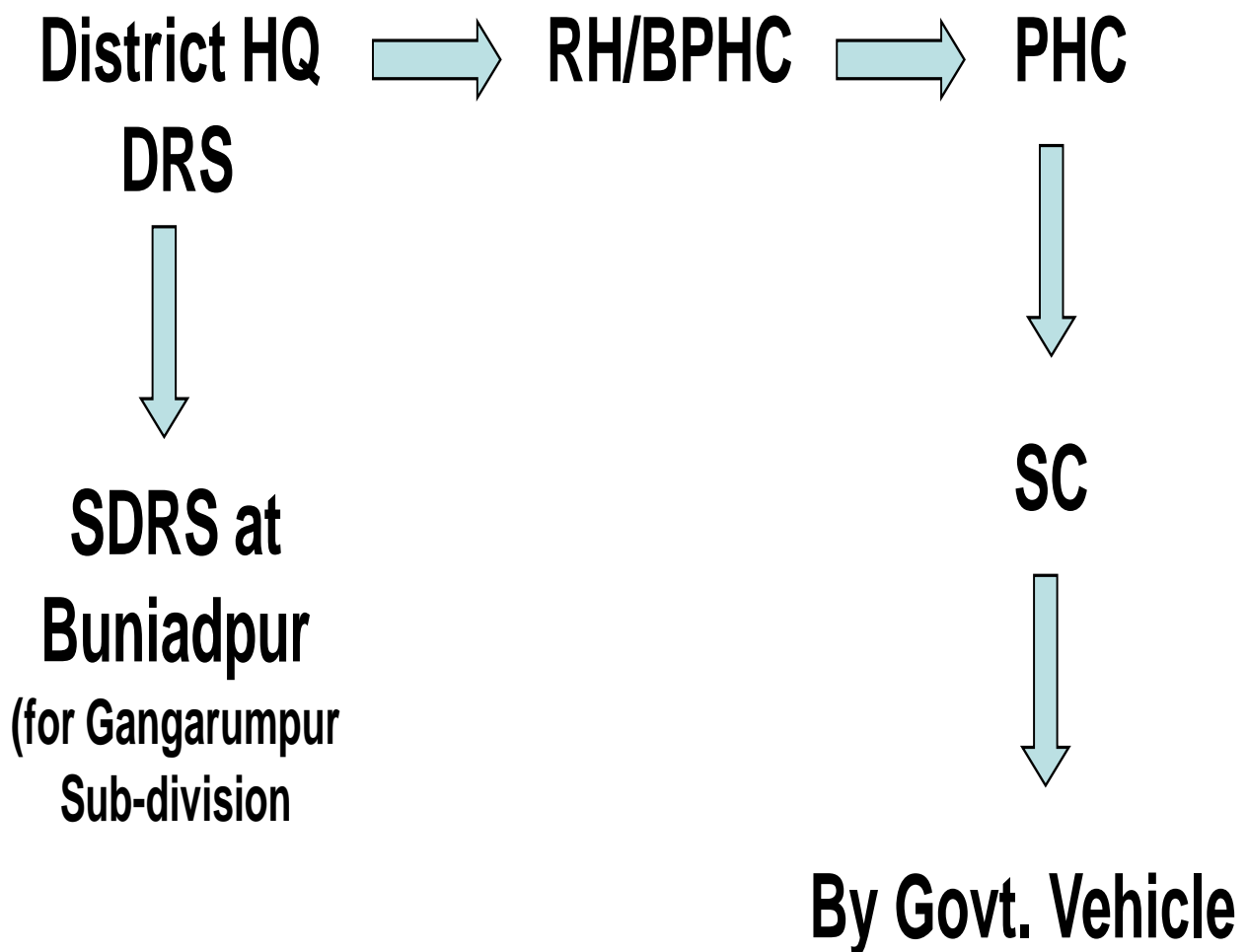
| Activity                   | Name of Nodal Officer | Mobile No  | Alternate responsible officer (in absence of Nodal Officer) | Mobile No  |
|----------------------------|-----------------------|------------|---|------------|
| Overall                    | CMOH                  | 9434055272 | Dy. CMOH II   | 9830440492 |
| Reporting                  | Dy. CMOH II           | 9830440492 | Dist. Data Manager IDSP                                     | 9126384064 |
| Logistics (Drugs)          | Dy. CMOH I            | 9153118537 | Dy. CMOH II   | 9830440492 |
| Logistics (Transport)      | Dy. CMOH I            | 9153118537 | DTO   | 9007460279 |
| Intersectoral coordination | CMOH                  | 9434055272 | ACMOH (Sadar)   | 9434709967 |
| Media Management           | CMOH                  | 9434055272 | DMCHO   | 9434120877 |

# Requirement of Material-Drugs to treat population likely to be affected by flood/ disaster

| Bleaching powder       |                    |              | Halogen tablet         |                    |        | ORS packet    |                    |        |
|------------------------|--------------------|--------------|------------------------|--------------------|--------|---------------|--------------------|--------|
| Stock                  |                    | Need         | Stock                  |                    | Need   | Stock         |                    | Need   |
| DRS                    | Periphery (RH/PHC) |              | DRS                    | Periphery (RH/PHC) |        | DRS           | Periphery (RH/PHC) |        |
| 300 x 25 kg.           | 126 x 25 kg.       | 200 x 25 kg. | 500000                 | 48500              | 500000 | 180000        | 57609              | 500000 |
|                        |                    |              |                        |                    |        |               |                    |        |
| Normal Saline          |                    |              | Ringer lactate         |                    |        | Injection AVS |                    |        |
| Stock                  |                    | Need         | Stock                  |                    | Need   | Stock         |                    | Need   |
| DRS                    | Periphery (RH/PHC) |              | DRS                    | Periphery (RH/PHC) |        | DRS           | Periphery (RH/PHC) |        |
| 8000 + 29400 (ordered) | 7476               | 40000        | 8000 + 29400 (ordered) | 5597               | 50000  | 420           | 273                | 1000   |

❖ Other anti diarrhoeal medicines are also available at DRS & Periphery and lime is required to procure

# Transportation Plan



# **Requirement of Material- Transport (to serve area & population likely to be affected by flood)**

**Motor Vehicles – No. 8  
(Government Vehicle)**

**Boats- No. 30**

**Hiring charge – @ Rs. 1000/- per day per boat**

**Life Jackets- No. 30**

**Cost– @ Rs. 800/- per piece**

**Others-**

**Type of vehicle – Tractor No. 10**

**Hiring charge – @ Rs. 2000/- per day per Tractor**

**Other expenses:**

**(Loading unloading, IEC) @ Rs.5000/- per block**

**Total amount required as contingency cost: Rs.50000/- per block**

## **Considering previous experience of managing flood in Aug, 2017**

**Following actions points are adopted in Disaster Management Plan, 2019.**

- 1. Formation & training of Dist. RRT & block RRT with contact no. & whtsup no. of members.**
- 2. Identification of additional medical team from District Hospital & Sub-divisional Hospital with mobile no. & whtsup no. of team members.**
- 3. Identification of temporally shelter for pregnant mothers in nearest RH/SC was done.**
- 4. To ensure proper transportation by boat & tractor, identification to be done with consultation of concerned BDOs at block level with fund requirements.**
- 5. Convergence with different NGOs for distribution of emergency medicines like ORS, bleaching, phenyl & disinfectant, a sensitization meeting will be organized with NGOs in pre-monsoon season.**
- 6. Snake bite awareness is a major concern following death of 9(nine) persons in recent flood. Campaign against snake bite along with other campaign involving DICO & other platforms in the district need to be strengthened.**
- 7. Printing of flex, banners & leaflets well in advance for awareness generation to prevent post flood outbreaks.**

## 9. PLAN OF IRRIGATION & WATERWAYS

### REVIEW OF VULNERABLE AREAS OF THE DISTRICT

Most of the vulnerable areas under flood-prone zone of this district have already been repaired. In true sense those areas are almost well protected. But some critical areas are also there beyond our precautionary measures already taken. This Division is always alert for those critical areas and necessary action may be taken up as and when exigency so demands.

### [ REPORT OF SOUTH DINAJPUR IRRIGATION DIVISION ]

Dakshin Dinajpur is basically a flood prone district. The major rivers of this district are **Atrai, Punarbhaba, Tangon & Jamuna**. The basic feature of these rivers are that its are originating in Bangladesh then enter in Dakshin Dinajpur district and again it enter into Bangladesh except the river **Tangon**. It meets with river **Mahananda** (Barsoi Branch) at Ahio in the district of Malda. Another characteristic of these rivers are that they are uncontrolled river i.e. they have no continuous embankment to the both sides of these rivers. As such flood may be occurred in this district due to heavy down pore to catchments area in Bangladesh as well as in the area within the district of Dakshin Dinajpur.

### RIVER LEVELS : In Metre (G.T.S.)

| Main Rivers | Length  | P.D.L.   | D.L.     | E.D.L.   |
|-------------|---------|----------|----------|----------|
| ATRAI       | 55 K.M. | 22.55 M. | 23.15 M. | 23.76 M. |
| JAMUNA      | 10 K.M. | 23.58 M. | 24.18 M. | 24.80 M. |
| PUNARBHABA  | 55 K.M. | 25.22 M. | 25.82 M. | 26.42 M. |
| TANGON      | 50 K.M. | 25.00 M. | 25.60 M. | 26.21 M. |

### RAINFALL :-

We have 2 (two) nos. Rain-gauge Station within jurisdiction of South Dinajpur Irrigation Division.

1. At Balurghat Irrigation Office Campus.  
The Average Rainfall For Last 10 Years (2009 to 2018) is 1536.32 mm./ year.
2. The other at Gangarampur Section Office Campus.  
The Average Rainfall For Last 10 Years (2009 to 2018) is 1481.90 mm./ year.  
The Latitude & Longitude of this district is: 25.14° N & 88.47° E

Total Rainfall during 2018 at Balurghat- **1343.00 mm**

Total Rainfall during 2018  
at Gangarampur **1276.50mm**



**[ FLOOD WARNING MESSAGE ]**

In order to receive and communication the flood warning message i.e. water level of major rivers of Dakshin Dinajpur district such as river Atrai, Punarbhaba, Tangon & Jamuna as well as rainfall of local and catchments area of the above rivers a “CONTROL ROOM” will be opened at the Office of the Executive Engineer/South Dinajpur Irrigation Division, Beltalpark/Balurghat, Dakshin Dinajpur. The Executive Engineer will be the over-all in-charge of the Control Room for the flood period of the year of 2018.

In the flood period the “FLOOD WARNING MESSAGE” will be communicated to all concerns daily by “FAX” or by “TELEPHONE” or by Special Messenger. At the time of any peak monsoon situation the “Flood Warning Message” will be communicated in a closer interval. Shri Ranjan Roy, A.E./S.D.O., Balurghat Irrigation Sub-Division will keep close contact with the District Authority & Departmental Flood Cell at Jalsampad Bhawan, Kol-91. Shri Roy will also be over all in-charge of the “Flood Cell” in absence of the undersigned. In absence of Shri Roy, A.E./S.D.O., Sri Monoranjana Sen, So/ Kumarganj of Balurghat Irrigation Sub Division will look after the whole matter.

Shri Manab Bal Majumder, J.E./S.O. of Gangarampur Irrigation Section & in-charge of Gangarampur Irrigation Section will keep close contact with the Sub-Divisional Officer (Civil), Gangarampur Sub-Division & Chairman, Gangarampur Municipality in addition to his normal duties. Shri Majumder, J.E. will also monitor in sending the river levels and rainfall data within the jurisdiction of Gangarampur Irrigation Sub-Division.

**The contact nos. of the Office and officers are as follows:-**

| Sl.No. | Name                    | Designation            | Office   | Phone No.  |
|--------|-------------------------|------------------------|--|--|
| 1.     | Shri S. Biswas          | Executive Engineer     | South Dinajpur Irrigation Division.            | 03522255113 (O)<br>9475878845 (M)<br>Fax-03522255113 |
| 2.     | Shri Ranjan Roy         | Asstt.Engineer /S.D.O. | Balurghat Irrigation Sub- Division.            | 03522255265 (O)<br>7908300416 (M)                    |
| 3.     | Shri Debabrata Pal      | Asstt.Engineer /S.D.O. | Gangarampur Irrigation Sub- Divn. at Buniadpur | 03524-259145 (O)<br>7001069310 (M)                   |
| 4.     | Shri Manab Bal Majumder | J.E./S.O.              | Gangarampur Irrigation Section                 | 03521-256031 (O)<br>7547945196 (M)                   |
| 5.     | Shri Monoranjana Sen    | JE/SO                  | Kumarganj Irrigation Section                   | 03522255113 (O)<br>9046704026 (M)                    |

**[ FLOOD EMERGENCY ]**

A. In the flood situation of river **Tangon&Punarbhaba** within the Block area of Banshihari, Kushmandi, Harirampur, Gangarampur and part of Tapan.

Contact Place : Sub-Divisional Officer,  
(Contact person & No. given at Page-2). Gangarampur Irrigation Sub-Division,  
Buniadpur, Dakshin Dinajpur. & S.O./Gangarampur Irrigation Section,  
Gangarampur, Dakshin Dinajpur.

Stock : a) Poly. bags - 20,000 nos.  
b) Sand - 40 M<sup>3</sup>

**Stock will be increased as and when exigency so demands.**

B. In the flood situation of river **Atrai & Jamuna** in the Block area of Kumarganj, Balurghat, Hili and part of Tapan.

Contact Place : Sub-Divisional Officer,  
(Contact person & No. Balurghat Irrigation Sub-Division,  
given at Page-2).Beltalapark, Dakshin Dinajpur.

Stock : a) Poly. Bags - 20,000 nos.  
b) Sand - 280 M<sup>3</sup>

**Stock will be increased as and when exigency so demands.**

### [ SLUICE & STRUCTURES ]

Danga Khari Head-Regulator and other big & small drainage sluices are kept in up-to-date and well functioning condition.

### [ RIVER EMBANKMENTS ]

#### A. **UNDER GANGARAMPUR IRRIGATION SUB-DIVISION :-**

##### -: BANSHIHARI BLOCK :-

|    |                                 |          |
|----|---------------------------------|----------|
| 1. | Beel Borail Embankment .....    | 7.50 KM. |
| 2. | Approach to Godhol sluice ..... | 1.00 KM. |

##### -: KUSHMANDI BLOCK :-

|    |                                       |          |
|----|---------------------------------------|----------|
| 1. | Dhakdhol Ex-Zmindary embankment ..... | 6.00 KM. |
| 2. | Churamon Ex-Zmindary embankment ..... | 8.00 KM. |
| 3. | Churamon Extension .....              | 0.50 KM. |
| 4. | Sherpur Ex-Zmindary embankment .....  | 2.00 KM. |
| 5. | Mahagram embankment .....             | 2.00 KM. |

##### -: GANGARAMPUR BLOCK :-

|    |   |          |
|----|---|----------|
| 1. | Mallickpur Ex-Zmindary embankment .....       | 2.00 KM. |
| 2. | Kanthalhat-Hossainpur embankment .....        | 6.00 KM. |
| 3. | Champatali embankment .....                   | 8.00 KM. |
| 4. | Rajibpur embankment .....                     | 1.50 KM. |
| 5. | Indranarayanpur Govt. Colony embankment ..... | 1.00 KM. |
| 6. | Rampara-chanchra embankment.....              | 7.00 KM. |
| 7. | Goyalkhari Dwarf embankment .....             | 0.24 KM. |

#### B. **UNDER BALURGHAT IRRIGATION SUB-DIVISION :-**

##### -: BALURGHAT BLOCK :-

|    |  |          |
|----|--|----------|
| 1. | Nuniapara embankment .....                 | 1.30 KM. |
| 2. | Raghunathpur embankment .....              | 2.50 KM. |
| 3. | Balurghat Town Protective embankment ..... | 3.00 KM. |
| 4. | Khidirpur-Namapara embankment .....        | 2.50 KM. |
| 5. | Dakra embankment .....                     | 0.25 KM. |
| 6. | Chakbhrigu-Mayamari embankment .....       | 2.68 KM. |

##### -: HILI BLOCK :-

|    |                                       |          |
|----|---------------------------------------|----------|
| 1. | Hili Town Protective embankment ..... | 2.00 KM. |
|----|---------------------------------------|----------|

**10. Disaster Management Plan 2019 Under Balurghat Division, PHE Dte.**

| Sl. No. | Details of restoration work programme |  | Quantity |      | Rate         | Unit | Anticipated Ammount(Rs.) |
|---------|---------------------------------------|--|----------|------|--------------|------|--------------------------|
| 1       | A                                     | Sinking of Tube well for Draught.  | 30       | Nos. | 110,000.00   | Each | 3,300,000.00             |
|         | (i)                                   | India Mark-II(100x40 mm), 100 mtr deep with housing pipe of 30 mtr. Including cost of all materials.   |          |      |              |      |                          |
|         | B                                     | Sinking of Tube well for Flood.  | 50       | Nos. | 22,000.00    | Each | 1,100,000.00             |
|         | (i)                                   | Ordinary Tube well   |          |      |              |      |                          |
|         | (ii)                                  | India Mark-II(100x40 mm), 100 mtr deep with housing pipe of 30 mtr. Including cost of all materials.   | 40       | Nos. | 110,000.00   | Each | 4,400,000.00             |
|         | C                                     | Petty repairing of spot sources including cost of spar parts of existing defunct tubewells and raising the height of tubewell including cost of all materials.   | 1        | Item | 3,500,000.00 | L.S. | 3,500,000.00             |
|         | D                                     | Disinfection of Ordinary Tube wells.   | 9000     | Nos. | 115          | Each | 1,035,000.00             |
| 2       | E                                     | Disinfection of India Mark-II, Tube wells.   | 8000     | Nos. | 266          | Each | 2,128,000.00             |
|         | F                                     | Supply of Bleaching Powder.  | 300      | Drum | 2,000.00     | Each | 600,000.00               |
|         | A                                     | Restoration of possible damages of Piped Water Supply Schemes:   |          |      |              |      |                          |
|         | (i)                                   | Civil Works:-  | 54       | Nos. | 70,000.00    | Each | 3,780,000.00             |
|         |                                       | Repairing of Pipe Line. Disinfection of Pipe Line, washing & cleaning of pipeline re-construction of street stand posts, Sluice Valve Chamber etc. out of 44 nos. Maintenance schemes, considering 20 nos. To be affected. |          |      |              |      |                          |
|         | (ii)                                  | Renovation and repairing of pump house Boundary Wall & other Civil structures.   | 20       | Nos. | 70,000.00    | Each | 1,400,000.00             |
|         | B                                     | Mechanical Works:-   | 20       | Nos. | 25,500.00    | Each | 510,000.00               |

|                       |      |  |    |      |             |      |                |
|-----------------------|------|--|----|------|-------------|------|----------------|
|                       | (i)  | Repairing of pumping Machineries & other all electrical works etc. Including supply of Chlorine tabletes for disinfection.   |    |      |             |      |                |
|                       | (ii) | Arrangement of hire charges of Generator including cost of fule & operator to run the pumping machineries in flood/draught affected areas where power failure for 7 days approx. | 1  | Item | 800,000.00  | L.S. | 800,000.00     |
| 3                     |      | Transportation of truck mounted tanker to supply drinking water to the flood /dreught affected areas including all cost & charges.   | 1  | Item | 3,00,000.00 | L.S. | 3,00,000.00    |
| 4                     |      | Supply & Installatin of PVC water storage tank for temporary arrangement of water supply including PVC pipe connection etc.  | 1  | Item | 1,00,000.00 | L.S. | 1,00,000.00    |
| 5                     |      | Operation & Maintenance of Deptt. mobile treatment plant including cost of fule,operator etc.all complete.   | 30 | Days | 15,000.00   | Day  | 4,50,000.00    |
| 6                     |      | Supply of G.I. Tank and fitting etc.for providing safe drinking water in different flood/draught affected area in the District of Dakshin Dinajpur for the year 2018-19.         | 20 | Days | 11,065.00   | Day  | 2,21,300.00    |
| 7                     |      | Higher charges of 10 nos. Tractor for supply drinking water with the aid of water tanker to the flood/draught victims of different Block,in the District of Dakshin Dinajpur.    | 30 | Days | 20,000.00   | Day  | 6,00,000.00    |
| 8                     |      | Supply delivery of 5000 Ltr. Tank Mounted on trolly.   | 2  | Days | 1,50,000.00 | L.S. | 3,00,000.00    |
| Total Rs.             |      |  |    |      |             |      | 2,45,24,300.00 |
| Add GST @ 12%         |      |  |    |      |             |      | 29,42,916.00   |
| Total Rs.             |      |  |    |      |             |      | 2,74,67,216.00 |
| ADD CESS @ 1% Rs.     |      |  |    |      |             |      | 2,74,672.16    |
| Total Rs.             |      |  |    |      |             |      | 2,77,41,888.16 |
| Add Contingency@3%Rs. |      |  |    |      |             |      | 8,24,016.48    |
| Toatal Rs.            |      |  |    |      |             |      | 2,85,65,904.64 |
| Say Rs.               |      |  |    |      |             |      | 2,85,65,905.00 |

**Contact List of staffs under Balurghat Division, PHE Dte.**

| Sl. No. | Name              | Designation                                | Contact No. |
|---------|-------------------|--|-------------|
| 1       | Tapas Das         | Assistant Engineer(HQ)                     | 8617085996  |
| 2       | Nikhil Mahato     | Junior Engineer Balurghat Division,PHE Dte | 7384662088  |
| 3       | Md. Ataur Rahaman | Junior EngineerBalurghat Division,PHE Dte  | 8100446894  |
| 4       | Narayan Ganguly   | Head Clerk                                 | 9563878698  |

**Contact List of staffs under RWS, Balurghat Sub-Division, PHE Dte.**

| Sl. No. | Name               | Designation                             | Contact No. |
|---------|--------------------|---|-------------|
| 1       | Sandipan Jha       | Assistant Engineer                      | 9903405241  |
| 2       | Sujoy Kumar Prasad | Junior Engineer Balurghat Block,PHE Dte | 9563121516  |

|   |                         |   |            |
|---|-------------------------|---|------------|
| 3 | Jayabrata Sinha         | Junior Engineer Gangarampur Block,PHE Dte | 9126088017 |
| 4 | Md. Abdul Emdadul Haque | Junior Engineer Hili Block,PHE Dte        | 7838188795 |
| 5 | Bhanu Chatterjee        | U.D.C                                     | 8101734755 |

Contact List of staffs under Balurghat Sadar Sub-Division, PHE Dte.

| Sl. No. | Name            | Designation  | Contact No. |
|---------|-----------------|--|-------------|
| 1       | Tapas Das       | Assistant Engineer                                   | 8617085996  |
| 2       | Samik Das       | Junior Engineer Balurghat Sadar Sub-Division,PHE Dte | 9434130240  |
| 3       | Soumitra Nandi  | Junior Engineer Balurghat Sadar Sub-Division,PHE Dte | 9434469343  |
| 4       | Avijit Basak    | Junior Engineer Balurghat Sadar Sub-Division,PHE Dte | 7501481637  |
| 5       | Md. Idrish Alam | U.D.C  | 9735808702  |

# 11. Plan of Agriculture (Admn.)

Contingency plan on Agriculture field due to abnormal rain or climatic situation to combat the arised disaster of Dakshin Dinajpur.

| Profile of Agro-Climatic/Ecological Zone                            |  |                       |                |
|---|--|-----------------------|----------------|
| Agro Ecological sub Region(ICAR)                                    | Ganga Alluvial   |                       |                |
| Agro Climatic Zone(Planning Commission)                             | Ganga Alluvial   |                       |                |
| Agro-Climatic Zone(NARP)  | Old Alluvial   |                       |                |
| List all the districts or part there of falling Under the NARP Zone | Uttar & Dakshin Dinajpur, Maldaha  |                       |                |
| Geographic coordinates of district headquarters                     | Latitude   | Longitude             | Altitude       |
|   | <b>25°13'N88°46'N</b>  | <b>25.22°N88.77°E</b> | <b>25 Mts.</b> |
| Name & address of the concerned ZRS/ZARS/RARS/RRS/RRTTS             | Under the ZARS of Nalhati, Birbhum, RRS, UBKV at Majhian, P.O.-Patiram. Dakshin Dinajpur |                       |                |
| Mention the KVK located in the district                             | KVK, dakshin Dinajpur at Majhian, P.O.- Patiram. Dakshin Dinajpur.                       |                       |                |

| Rainfall(ten years' average 2008-2017) | Normal RF(mm)  | Normal Onset(Specify week & month)   | Normal Cessation (specify week & month)               |
|--|----------------|--------------------------------------|---|
| SW monsoon (June-Sept.)                | <b>1071.91</b> | <b>2<sup>nd</sup>. Week of June</b>  | <b>Not identified</b>                                 |
| NE Monsoon (Oct-Dec)                   | <b>90.0</b>    | <b>2<sup>nd</sup> . Week of Oct.</b> | <b>Last week of Oct./1<sup>st</sup> . Week of Nov</b> |

| Rainfall Status since 1985 to 2018 |      |       |       |       |        |        |        |        |        |        |      |      |         |
|------------------------------------|------|-------|-------|-------|--------|--------|--------|--------|--------|--------|------|------|---------|
| Year                               | JAN. | FEB.  | MAR   | APRIL | MAY    | JUNE   | JULY   | AUG.   | SEPT.  | OCT.   | NOV. | DEC. | TOTAL   |
| 1985-1995                          | 2.7  | 3.8   | 0.7   | 0.8   | 75.4   | 482.9  | 516.6  | 448.1  | 789.1  | 38     | 69.1 | 6.6  | 2433.8  |
| 1990-2000                          | 6.86 | 18.1  | 8.58  | 93.54 | 155.78 | 270.3  | 380.86 | 391.74 | 483.98 | 130.84 | 3.76 | 5.72 | 1950.06 |
| 2005-2015                          | 4.06 | 11.24 | 12.18 | 50.48 | 133.98 | 322.72 | 265.9  | 302.62 | 212.58 | 80.4   | 1.28 | 0.34 | 1397.78 |
| 2016                               | 6.6  | 0.8   | 7.1   | 29.8  | 205.4  | 150.7  | 402.3  | 106.1  | 308.9  | 100.8  | 0.0  | 0.0  | 1318.5  |
| 2017                               | 2.5  | 0.00  | 84.7  | 176.8 | 154.8  | 258.2  | 346.6  | 509.13 | 205.5  | 56.7   | 0    | 0    | 1794.9  |
| 2018                               | 45.1 | 66.4  | 89.7  | 56.9  | 159.2  | 143.1  | 269.2  | 214.6  | 22.8   | 3      | 0    | 0    | 1070.0  |

| Land use Pattern of the District (latest Statics) | Geogra phical Area | Cultivable Area | Forest Area | Non-Agric ultural use | Permanent Pastures | Cultivable wasteland | Barren & Uncul- tivable Land | Current Fallows | Others Fallows |
|---|--------------------|-----------------|-------------|-----------------------|--------------------|----------------------|------------------------------|-----------------|----------------|
| Area('000 ha)                                     | <b>221.91</b>      | <b>175.62</b>   | <b>0.93</b> | <b>31.62</b>          | <b>0.02</b>        | <b>NA</b>            | <b>0.14</b>                  | <b>2.22</b>     | <b>NA</b>      |

| Major Soils(common name like red Sandy loam soils(etc.,)) | Area('000ha) | Percent(%) of total geographical area | Threat on soil structure/Texture  | Remarks   |
|---|--------------|---------------------------------------|---|---|
| 1. Loamy  | 51.595       | 29.4                                  | Detoriatng the existing due to extensive Mechanical Tillage of soil & trends to become barren with low productivity | Due to break down of soil capillary the percolation as well as recharge of sub-surface recharge of water which is serious threat in future nature |
| 2. Gravelly clay loamy                                    | 0.0          | 0.0                                   |   |   |
| 3. Clay   | 42.92        | 24.5                                  |   |   |
| 4. Clayey – lomy  | 54.335       | 30.9                                  |   |   |
| 5. Loamy sandy  | 26.77        | 15.2                                  |   |   |

| Agricultural land use           | Area('000 ha) | Cropping intensity % |
|---------------------------------|---------------|----------------------|
| Net sown area during Pre-kharif | 180.0         | 103                  |

|   |       |     |
|---|-------|-----|
| Area sown more than once during Rabi    | 166.0 | 95  |
| Area sown more than twice during summer | 75.0  | 42  |
| Gross cropped area                      | 421.0 | 240 |

|                      |                                  |
|----------------------|----------------------------------|
| <b>Irrigation</b>    | <b>Area in Hac. In '000 Hac.</b> |
| Net irrigated        | 82                               |
| Gross irrigated area | 194.0                            |
| Rain fed area        | 90.0                             |

**Area under major field crop (as per latest figures) (Specify year 2017-'18)**

| Major field crops cultivated | Area ('000 ha) |         |       |             |         |       |             |
|------------------------------|----------------|---------|-------|-------------|---------|-------|-------------|
|                              | Kharif         |         |       | Rabi-Summer |         |       |             |
|                              | Irrigated      | Rainfed | Total | Irrigated   | Rainfed | Total | Grand Total |
| Rice                         | 75.0           | 95.0    | 170.0 | 75.0        | 0       | 75.0  | 245.0       |
| Wheat                        | 0              | 0       | 0     | 25.8        | 0       | 25.8  | 25.8        |
| Pulses                       | 0              | 0       | 0     | 0           | 20.0    | 20.0  | 20.0        |
| Oilseeds                     | 0              | 0       | 0     | 78.0        | 12.0    | 90.0  | 90.0        |
| Potato                       | 0              | 0       | 0     | 16.0        | 0       | 16.0  | 16.0        |

**Production and Productivity of major crop (Average of last 5 years : (2012-'13 to 2016-'17))**

| Name of crop | Area of coverage in '000Hac.(Average of last 5 years : (2013-'14 – '18)) | Production ('000 t) | Productivity(Kg/ha) | Remarks         |
|--------------|--|---------------------|---------------------|-----------------|
| Rice         | 181.0  | 711.3               | 3933                |                 |
| Wheat        | 55.0   | 153.4               | 2791                | Area Decreasing |
| Pulses       | 5.6  | 3.08                | 551                 | Area Increasing |
| Oilseeds     | 35.0   | 31.2                | 891                 |                 |
| Potato       | 15.0   | 375.0               | 25600               |                 |

| Sowing window for 5 major field Crops(start and end of normal sowing period) | Rice        | Potao   | Oilseeds | Pulses  | Wheet   |
|--|-------------|---------|----------|---------|---------|
| Kharif-Rainfed   | JULY-AUGUST |         |          |         |         |
| Kharif-Irrigated   | JULY-AUGUST |         |          |         |         |
| Rabi-Rainfed   | NA          |         | OCT-NOV  | OCT-NOV |         |
| Rabi-Irrigated   | JAN – FEB   | NOV-DEC | NOV-DEC  |         | NOV-DEC |

| What is the major contingency the district is prone to? (Tick mark) | Regular        | Occasional       | None |
|---|----------------|------------------|------|
| Drought   | -              | YES              | -    |
| Flood   | -              | YES              | -    |
| Cyclone   | -              | YES              | -    |
| Hail Strom  | -              | YES              | -    |
| Heat wave   | -              | -                | -    |
| Pests and diseases outbreak (specify)                               | Sheath Rot,BLB | BHP, Gall Midge, |      |
| Others (specify)  |                |                  |      |

| <b>CONSTRAIN MONITORING AND PREVENT DISUSTER ON AGRICULTURE</b>  |
|--|
| In-accessibility to assess the lost of Crop with sufficient mobility Support to Man Power.   |
| Having no accessibility to 'REMOTE CENSING' process with IT support  |
| Congestion of water passing devises as well as no water passing devises where the natural run-off situated / identified during last flood. |
| Creating Blockage of Run-off due to created development of structre etc.   |
| Disturbing the Eco-friendly Structure of Agriculture Soil & becoming less productive.  |

|  |  |  |
|--|--|--|
| <b>REQUIRES TO BETTER MONITORING AND PREVENT DISASTER ON AGRICULTURE</b>   |  |  |
| Make available of digital Map with IT support.   |  |  |
| Provide sufficient Transport support during the period of Assessment etc.  |  |  |
| Make facilitation to use the 'REMOTE CENSING' process with IT support  |  |  |
| Create sufficient water passage devices where the natural run – off situated / identified during last last flood by maintaining contour line.        |  |  |
| In every creation of development work on Agril.Land like Road, Bund, Concrete Structure etc must ensure the drainage of excess water within 48 hours |  |  |
| Generate general awareness on Eco-friendly Agriculture Tillage Operation through mechanical devices to restore Soil Textur.                          |  |  |

|  |   |  |
|--|---|--|
| <b>CONTINGENCY PLAN FOR LESS RAINFALL DURING KHARIF 2019 – '20</b>                         |   |  |
| Adoption of RCT based Paddy cultivation  | 2 Nos. RCT Mechanical device is available at all Govt. Farms.                                     | Another minimum 100 Nos. of such RCT Mechanical device is requires to make available for each block.                               |
| Adoption of Drum Seeder Technology   | 1 Nos. Drum Seeder device is available at all Govt. Farms or in the officer of the Assist. D.A.'s | Another minimum 100 Nos. of such Drum Seeder device is requires to make available for each block                                   |
| Creation of Intensive Extension Awareness among the farmers through all type of mass media | Awareness on cultivation of paddy through SRI,DSR etc.  | If the situation may arises indent should be given towards support of minimum 50000 Nos. Paddy seed kit @ 6 Kg. to the Government. |

**CONTINGENCY PLAN ON OCCURANCE OF FLOOD DUE TO EXCESS RAINFALL & CAUSE OF CONGESSION OF APPROPRIATE DRAINAGE OF RUN-OFF DURING KHARIF 2019-'20**

|   |   |  |
|---|---|--|
| <b>CONTINGENCY PLAN ON OCCURANCE OF EARLY FLOOD DUE TO EXCESS RAIN DURING KHARIF 2019-'20</b> |   |  |
| Adoption of Technology on Quick raising of Paddy Seedlings                                    | Publicity among the farmers through all type of mass media                                      | Distribution of paddy seed at Govt. Rate from the block Seed available stock of seed on first come serve baise                     |
| Adoption of Drum Seeder Technology  | 1 Nos Drum Seeder device is available at all Govt. Farma or in the office of the Assist. D.A.'s | Another minimum 100 Nos. of of such Drum Seeder device is requires to make available for each block                                |
| Creation of Intensive Extension Awareness among the farmers through all type of mass media    | Awareness on cultivation of paddy through SRI,DSR etc.  | If the situation may arises indent should be given towards support of minimum 250000 Nos. Paddy seed kit @ 6kg. to the Government. |

|  |  |   |
|--|--|---|
| <b>CONTINGENCY PLAN ON OCCURANCE OF LATE FLOOD DUE TO EXCESS RAIN DURING KHARIF 2019-'20</b> |  |   |
| Re-Transplanting field by Adoption of double transplanting method.                           | Publicity among the farmers through all type of mass media | Raising Excess Seed Bed in Govt Farm for Distribution of paddy seedling at Govt. Rate from the Block Seed farm on available stock of seed on first come first serve basis |



|                                       |                           |   |
|---------------------------------------|---------------------------|---|
| Compensate the yield loss during Rabi | Support of Rbi Crop Seeds | 1. Requirement should be given for Assistance of Mustard Seed Kit 100000 Nos. @ 1 Kg. each.<br>2. Requirement should be given for Assistance of Pulses Seed Kit 10000 Nos. @ 4 Kg. each.<br>3. Requirement should be given for Assistance of Summer paddy Seed Kit 100000 Nos. @ 10 Kg. each. |
|---------------------------------------|---------------------------|---|

## **12. Plan of Food & Supplies Department – 2019**

The below stock will be there ready at different time from 1<sup>st</sup> June 2019 as flood rolling reserve stock and all the FPS Dealer, M.R. Distributor, S.K. Oil Agent/Dealer are ready to combat the disaster if any arise in the year 2019 as per time to time instruction of the District Administration. A block wise details of FPS Dealer and M.R.Distributor are enclosed herewith as ready reference.

| Name of the Dealers/Wholesellers | Number in the District | Commodities | Quantities to be kept reserved for FLOOD Emergency |
|----------------------------------|------------------------|-------------|--|
| Each FPS Dealer                  | 303                    | K.Oil       | 200 Ltrs.  |
| Each S.K.Oil Bulk Dealer         | 13                     | K.Oil       | 2 K.L.   |
| Each S.K.Oil Agent               | 4                      | K.Oil       | 5 K.L.   |
| Each Rice Mil                    | 11                     | Rice        | 20 Mt.   |
| Each M.R.Distributor             | 12                     | Rice        | 10 M.T.  |
| Each FPS Dealer                  | 303                    | Rice        | 5 Qts.   |

| Name of Block : BALURGHAT |  |              |                    |            |
|---------------------------|--|--------------|--------------------|------------|
| FPS Code                  | Owner Name   | Shop Address | Village            | Mobile     |
| 133100100031              | ASHIT KUMAR GHOSH AND AMIT KUMAR GHOSH             | THAKURPURA   | Dangbiral          | 8145865620 |
| 133100100036              | PRODIP LAHA, SANDHYA SAHA (LAHA), SUDAM LAHA       | KAMARPARA    | Belpukuria         | 9593674943 |
| 133100100004              | SANJIT MANDAL, SANAT KUMAR MANDAL, SUBIR KUMAR MAN | RAJUA        | Maniko             | 7872993458 |
| 133100100011              | SANKAR MAHANTA                                     | BALURGHAT    | Kashipur           | 7602222472 |
| 133100100020              | SECRETARY, PARANPUR S.K.U.S. LTD.                  | BIDAYPUR     | Mayamari           | 9434347979 |
| 133100100025              | SECRETARY, PATIRAM CO-OPERATIVE A.C.S. LTD.        | PATIRAM      | Kholapara          | 9475098491 |
| 133100100027              | SMT. AMICHA BIBI (BEWA)                            | NAZIRPUR     | Hatisala           | 9800434630 |
| 133100100012              | SMT. DULALI CHAKRABORTY                            | CHAK BHRIGU  | Saidpur            | 9434347319 |
| 133100100023              | SMT. MRIDULA GOSWAMI                               | PATIRAM      | Paschim Chakismail | 9593895145 |
| 133100100017              | SMT. PARUL RANI PAUL                               | BELTALA PARK | Nabipur            | 9474729520 |
| 133100100002              | SMT. REKHA KARMAKAR                                | BOLLA        | Ramkrishnapur      | 9635355382 |
| 133100100046              | SMT. RINA PAUL                                     | CHAK BHRIGU  | Daulla             | 9733476094 |
| 133100100029              | SRI ADHIR CHANDRA SARKAR                           | KHANPUR      | Atair              | 9434424592 |
| 133100100003              | SRI ANIL CHANDRA BARUA                             | KHASHPUR     | Binsira            | 9434101049 |
| 133100100038              | SRI ARDHENDU TARAFDAR, SMT. MIRA TARAFDAR          | AMRAIL       | Chak Binod         | 9932739490 |
| 133100100026              | SRI ARUN KUMAR CHOWDHURY                           | BATUN        | Dakshin Khhanpur   | 9475676868 |
| 133100100005              | SRI ARUN KUMAR SAHA                                | NARAYANPUR   | Habibpur           | 3522251401 |
| 133100100010              | SRI ARUP KANTI SAHA                                | KHIDIRPUR    | Anantapur          | 9475955955 |
| 133100100007              | SRI BHUPESH CHANDRA GHOSH                          | BARAKASIPUR  | Jamalur            | 9434247024 |
| 133100100037              | SRI BINIT KUMAR DAS                                | AMRITAKHANDA | Jamrail            | 9647760813 |
| 133100100009              | SRI CHANCHAL KUMAR KUNDU                           | JALGHAR      | Uttar Sibrampur    | 9434459396 |

|              |   |                    |                 |            |
|--------------|---|--------------------|-----------------|------------|
| 133100100043 | SRI CHANDI DAS SAHA                       | BAIDYANATHPARA     | Digra           | 9475677556 |
| 133100100018 | SRI DILIP KUMAR LAHA                      | MALANCH            | Fatepur         | 9434513129 |
| 133100100041 | SRI FATIK CHANDRA DAS                     | CHINGISHPUR        | Barakhail       | 9800434726 |
| 133100100045 | SRI GAJEN DEY                             | CHAK BHRIGU        | Baroghopa       | 9474440507 |
| 133100100039 | SRI GANGARAM MAHATO                       | AMRAIL             | Margram         | 9734116923 |
| 133100100021 | SRI GOBINDA CHANDRA BARMAN                | GOPALBATI          | Mangalpur (P)   | 9434964594 |
| 133100100028 | SRI GOPAL CHANDRA CHAKRABORTY             | NAZIRPUR           | Hatisala        | 9434460640 |
| 133100100042 | SRI GOPAL CHANDRA SARKAR                  | CHINGISHPUR        | Kodla           | 9735024298 |
| 133100100034 | SRI JITENDRA NATH MANDAL                  | KAMARPARA          | Indra           | 9933809022 |
| 133100100044 | SRI KAMALA KANTA PAUL & SRI HARIPADA PAUL | ATRAIL             | Sankarpur       | 3522253075 |
| 133100100016 | SRI MUKUL CHANDRA MANDAL                  | AMRITAKHANDA       | Talmandira      | 9002173672 |
| 133100100008 | SRI NANDA DULAL SEN                       | KHASPUR            | Sibpur          | 9434968982 |
| 133100100024 | SRI NIKHIL CHANDRA SAHA                   | PATIRAM            | Kholapara       | 9434968810 |
| 133100100014 | SRI PARESH CHANDRA SARKAR                 | KHIDIRPUR          | Sibrambati      | 7872951105 |
| 133100100022 | SRI PRADIP KUMAR MITRA                    | BIDAYPUR           | Chak Durga      | 9434112873 |
| 133100100013 | SRI PRADYUT KUMAR SAHA                    | BANGI KUNDU COLONY | Baodhara        | 9614619334 |
| 133100100015 | SRI SANTU DAS                             | DAKSHIN SHIBRAMPUR | Bharendra       | 9851035632 |
| 133100100035 | SRI SATYA PRIYA LAHA                      | KAMARPARA          | Kamalpur        | 9733348406 |
| 133100100040 | SRI SHIBEN CHANDRA MAHATA                 | CHINGISHPUR        | Nunail          | 9933892130 |
| 133100100030 | SRI SNEHASIS MANDAL                       | THAKURPURA         | Dhaltara        | 9733027044 |
| 133100100006 | SRI SUBRATA SAHA                          | NARAYANPUR         | Habibpur        | 9434459808 |
| 133100100033 | SRI SUKUMAR CHANDRA ROY                   | THAKURPURA         | Nazirpur        | 8145725758 |
| 133100100032 | SRI SUSANTA KUMAR LAHA                    | KAMARPARA          | Dasul Chandipur | 9775163529 |
| 133100100001 | SRI SWAPAN KUMAR SARKAR                   | BAUL               | Nafar           | 8371813836 |
| 133100100019 | SRI TAPAN KUMAR MAJUMDER                  | BIDAYPUR           | Khidirpur       | 9475226662 |

**Name of Municipality : BALURGHAT**

| FPS Code     | Owner Name                             | Shop Address                 | Village       | Mobile     |
|--------------|--|------------------------------|---------------|------------|
| 133101100013 | AMITA GHOSH, SANTOSH GHOSH             | Khadimpur P.O Balughat       | Balurghat (M) | 9434518567 |
| 133101100001 | ANITA RAY CHOWDHURY                    | Sahebkachari, P.O Balughat   | Balurghat (M) | 9474439963 |
| WB0331116215 | ARUN KUMAR SAHA                        | Narayanpur                   | Balurghat (M) | 9933614235 |
| WB0331116217 | CHANDI DAS SAHA                        | Baidyanathpara               | Balurghat (M) | 9475466749 |
| 133101100008 | GOUTAM NARAYAN SAHA                    | P.O+P.S: Balughat            | Balurghat (M) | 9475210413 |
| 133101100007 | JYOTSNA TARAFDAR                       | Narayanpur P.O: Narayanpur   | Balurghat (M) | 9932739408 |
| 133101100012 | KANAK BHOWMIK & BIKASH CHANDRA BHOWMIK | Beltalapark P.O: Beltalapark | Balurghat (M) | 9434374018 |
| 133101100010 | MAYA MOHANTA                           | Prachyabharati P.O Balughat  | Balurghat (M) | 9614125326 |
| 133101100004 | MIHIR KUMAR DAS                        | Chakbhabani P.O: Balughat    | Balurghat (M) | 9434112875 |
| 133101100002 | PAPI SARKAR                            | Chakbhabani P.O: Ghoshpara   | Balurghat (M) | 9547633581 |
| 133101100005 | PAPI SARKAR                            | Chakbhabani P.O:Balughat     | Balurghat (M) | 9475677503 |
| WB0331116216 | PRADYUT KUMAR SAHA                     | Kundu Colony                 | Balurghat (M) | 9384380874 |
| 133101100003 | RATAN KUMAR GHOSH                      | Beltalapark P.O: Beltalapark | Balurghat (M) | 9434171117 |
| 133101100009 | RATHINDRA KUMAR MAJUMDAR               | Khadimpur P.O: Balurghat     | Balurghat (M) | 7501835885 |
| 133101100011 | SANTI RANI DAS                         | Chakbhabani P.O: Balughat    | Balurghat (M) | 9933683255 |
| WB0331116214 | SUBRATA SAHA                           | Narayanpur                   | Balurghat (M) | 9434459808 |
| 133101100006 | TAPAN KUNDU                            | Khadimpur P.O: Balughat      | Balurghat (M) | 7407235377 |

**Name of Block : HILLI**

| FPS Code     | Owner Name                 | Shop Address                              | Village  | Mobile     |
|--------------|----------------------------|---|----------|------------|
| 133100400016 | ABHOY CHANDRA MAHATO       | VILL: BANGALIPUR P.O: JAMALPUR P.S: HILLI | Hilli    | 9775484268 |
| 133100400010 | AJIT SARKAR,SUSHILA SARKAR | VILL                                      | Islampur | 9434459557 |

|              |   |   |          |            |
|--------------|---|---|----------|------------|
|              |   | KISMATDAPUR P.O<br>TRIMOHINI P.S HILI               |          |            |
| 133100400001 | AMAL CHANDRA SARKAR                                   | VILL:<br>CHAKBALARAM<br>P.O: TRIMOHINI              | Chausa   | 7602110083 |
| 133100400003 | GOBINDA CHANDRA KUNDU                                 | HILI BAZAR<br>P.O+P.S: HILI                         | Mohana   | 9002903587 |
| 133100400012 | HARISH CHANDRA DEBNATH                                | VILL:<br>RAMKRISHNAPUR<br>P.O+P.S: HILI             | Bhakla   | 9733367909 |
| 133100400009 | KALI CHARAN GHOSH                                     | VILL:<br>KISMATDAPUR<br>P.O: TRIMOHINI<br>P.S: HILI | Islampur | 9002777905 |
| 133100400005 | KAMALENDU SAHA  | VILL: RAINAGAR<br>P.O: HILI                         | Mohana   | 8170973872 |
| 133100400002 | NETAIPADA SAHA  | APT AIR   | Beltara  | 9932738961 |
| 133100400011 | RANENDRA MOHAN CHOWDHURY                              | VILL<br>KISMATDAPAT P.O<br>TRIMOHINI                | Islampur | 9434310244 |
| 133100400004 | RATAN KUMAR DEBNATH                                   | VILL+P.O:<br>FATEPUR                                | Mohana   | 9734051940 |
| 133100400013 | RATAN KUMAR LAHA                                      | VILL+P.O: TEOR<br>P.S: HILI                         | Dabra    | 9563716474 |
| 133100400006 | RATNAPRAVA SAHA                                       | VILL+P.O: HILI                                      | Mohana   | 9614576797 |
| 133100400014 | SANKAR PROSAD ROY                                     | VILL+P.O: TEOR                                      | Dabra    | 9735953497 |
| 133100400008 | SOUMYA CHOWDHURY                                      | VILL: PANJUL P.O:<br>FATEPUR                        | Panjul   | 9733133445 |
| 133100400015 | SUBHAS CHANDRA SARKAR                                 | VILL+P.O:<br>JAMALPUR, P.S:<br>HILI                 | Ujal     | 9733348667 |
| 133100400007 | SUSHANTA KUMAR SAHA, SUBRATA<br>SAHA, SANAT KUMAR KUN | VILL P.O HILI                                       | Hilli    | 9932684928 |

**Name of Block : KUMARGANJ**

| FPS Code     | Owner Name  | Shop Address  | Village                 | Mobile     |
|--------------|---|---|-------------------------|------------|
| 133100500002 | AJAY KUMAR ROY  | VILL: KULAHARI P.O:<br>CHANDGANJ                            | Kashipur                | 9733291129 |
| 133100500004 | ALAUDDIN SARKAR,<br>RUVAPARVIN SARKAR,<br>AJMAL HOSSAIN | VILL SUBARNASAHID P.O<br>ANGINA                             | Udhura<br>Prananathpur  | 9733434040 |
| 133100500027 | AMAL CHANDRA SARKAR                                     | VILL+P.O: BELTARA   | Radhakrishnpur          | 9733384075 |
| 133100500014 | AMAL KUMAR SAHA   | VILL: CHAKRAM P.O:<br>GOPALGANJ                             | Aichara                 | 9474161412 |
| 133100500032 | ANIL KUMAR CHOWDHURY                                    | VILL: SAIDPUR P.O: BATUN                                    | Kharail                 | 9735063290 |
| 133100500018 | ASHOK SAHU  | VILL: BHOOR P.O:<br>KUMARGANJ                               | Tilna                   | 9474141336 |
| WB0033184633 | ASHOK SAHU  | Vill: Bhour. P.O+P.S: Kumarganj.<br>Dist: Dakshin Dinajpur. | Bhour                   | 9474141336 |
| 133100500022 | ASHWINI KUMAR DAS                                       | VILL: BHAGABATIPUR P.O:<br>MANIPUR                          | Uttar Keshabpur         | 9434968720 |
| 133100500007 | BINOY KUMAR KARMAKAR                                    | VILL: ANGINA P.O:<br>KUMARGANJ                              | Mastafapur              | 9733130714 |
| 133100500028 | BIRENDRA NATH SARKAR                                    | VILL: DAMODARPUR P.O:<br>GOBINDAPUR                         | Kuraldanga              | 9476398758 |
| 133100500026 | DEBASISH SARKAR   | VILL: PIROZPUR P.O:<br>GOBINDAPUR                           | Jamirbari               | 9733259921 |
| 133100500010 | ELIAS HOSSAIN<br>CHOWDHURY                              | VILL: ENATULLAPUR P.O:<br>DEBIPUR                           | Kanura                  | 9733346330 |
| 133100500017 | GIRIDHARI SIKCHI  | VILL+P.O: KUMARGANJ   | Aichara                 | 9002591052 |
| 133100500005 | GOPAL BAHETY  | VILL+P.O: SAMJIA  | Nilahari                | 9547099044 |
| 133100500024 | HARISH CHANDRA ROY                                      | VILL: CHANDPUR P.O:<br>MAHIPUR                              | Jantihari               | 9593225063 |
| 133100500011 | Jitendra Nath Sarkar                                    | VILL: MAMUDPUR P.O:<br>DANGARHAT                            | Krishnapur              | 9475251854 |
| 133100500001 | KAMAL ACHARJEE  | VILL: TARA P.O: CHANDGANJ                                   | Chandura                | 9933429819 |
| 133100500008 | KHAIRUL HAQUE   | VILL+P.O: SAFANAGAR   | Khaspara                | 9002891116 |
| 133100500023 | LAKSHMI DAS   | VILL: BISWANATHPUR P.O:<br>MAHIPUR                          | Madhya<br>Ramkrishnapur | 9732162199 |

|              |   |                                   |                   |            |
|--------------|---|-----------------------------------|-------------------|------------|
| 133100500015 | LIPIKA GHOSH                                      | VILL+P.O: GOPALGANJ               | Aichara           | 9475725143 |
| 133100500021 | MANMATHA KUMAR SARKAR                             | VILL: NEHERA P.O: BATUN           | Purbba Gobindapur | 9932056762 |
| 133100500019 | MD. MAKBUL HOSSAIN                                | VILL: SITAHAR P.O: CHURAIL        | Brahmanpara       | 9733029725 |
| 133100500020 | MD. MOKBUL HOSSAIN MONDAL                         | VILL: NARAYANPUR                  | Munsipur          | 9002881277 |
| 133100500029 | PARIMAL SARKAR                                    | VILL: MUGHLISHPUR P.O: GOBINDAPUR | Chak Bhagaban     | 9775627436 |
| 133100500025 | PRADIP KUMAR GUHA                                 | VILL+P.O: DIOR                    | Kumarganj         | 9800185957 |
| 133100500016 | PRATIM KUMAR SAHA                                 | VILL+P.O: DAGARHAT                | Aichara           | 9475251854 |
| 133100500013 | RAJUAL MANDAL                                     | VILL: CHAKGOPAL P.O: MAHIPUR      | Sundarpur         | 9735955126 |
| 133100500030 | SECRETARY BATUN SKUS LIMITED                      | VILL+P.O: BATUN                   | Chak Mamudi       | 9647795212 |
| 133100500009 | SUBHASISH SAHA                                    | VILL: MENAPUR P.O: DEBIPUR        | Amulia            | 9734101154 |
| 133100500012 | SUJAN SARKAR                                      | VILL: BARAIL P.O: RAMKRISHNAPUR   | Angina            | 9153893036 |
| 133100500006 | SUNIL KUMAR SARKAR                                | VILL: BOLTA P.O: PATIRAM          | Chalunda          | 9733243978 |
| 133100500003 | SUPRAKASH CHATTERJEE, CHHANDA CHATTERJEE, KAUSHIK | VILL P.O RAMKRISHNAPUR            | Garoa             | 9434460146 |
| 133100500031 | TAPASH CHANDRA GHOSH                              | VILL: BHAKLA P.O: BATUN           | Chhatma           | 9734994545 |

**Name of Block : TAPAN**

| FPS Code     | Owner Name                                 | Shop Address                                   | Village          | Mobile     |
|--------------|--|--|------------------|------------|
| 133100300023 | ABDUL RAHAMAN MIA                          | VILL: HAZARATPUR P.O: RAGHABPUR                | Chak Bahara      | 9733032958 |
| 133100300028 | AMIR ALI SARKAR                            | VILL: CHAKNEDAIR P.O: BARAIL                   | Faradpur         | 9733318554 |
| 133100300033 | AMJAD SARKAR                               | VILL: JAMLABAD P.O: RAMCHANDRAPUR              | Jamlabad         | 9733158828 |
| WB0033184950 | AMJAD SARKAR                               | Vill: Jamlabad, P.O: Ramchandrapur, P.S: Tapan | Jamlabad         | 9733158828 |
| 133100300007 | AMULLYA CHANDRA SARKAR                     | VILL: LAKSHMIPUR P.O: CHAKSUKDEBPUR            | Purba Hariharpur | 9734932301 |
| 133100300020 | BASANTI PRASAD                             | VILL: SALAS P.O: TAPAN                         | Jadupur          | 9733190756 |
| 133100300031 | Bhumendra Nath Barman and Bhabatosh Barman | VILL: BISHNUPUR P.O: TILON                     | Suhari           | 9733484813 |
| 133100300043 | BHUPENDRA NATH BARMAN                      | VILL: ARJUNPUR P.O: TILON                      | Dharmadanga      | 9614478310 |
| 133100300045 | BIJAN KUMAR MAHANTA                        | VILL+P.O: PURBA NIMPUR                         | Basakbari        | 9475100210 |
| 133100300042 | BIPLAB MUKHERJEE                           | VILL: KAKNA P.O: KAMDEBBATI                    | Bishnupur        | 9434460208 |
| 133100300044 | BROJENDRA NATH SAHU                        | VILL+P.O: PATKOLA                              | Hazrabari        | 9434166403 |
| 133100300005 | CHHABI SAHA (MANDAL)                       | VILL: KASBA BATAIR P.O: BASURIA                | Chak Khetab      | 9476243537 |
| 133100300015 | DILIP KUMAR DAS                            | VILL+P.O: NAYABAZAR                            | Mollazi          | 9474140989 |
| 133100300017 | DINESH BARMAN                              | VILL: NAWPARA P.O: LASKARHAT                   | Mollazi          | 9932757546 |
| 133100300030 | DIPESH KANTI GHOSH                         | VILL: SUNDARPUR P.O: TELIGHATA                 | Jabrahar         | 8145893537 |
| 133100300003 | DIPU DEBNATH                               | VILL: RAMPARA CHENCHRA P.O: CHENCHRA           | Satakhanda       | 9733244327 |
| 133100300046 | FATIK CHANDRA BARMAN (MANDAL)              | VILL+P.O: BHABANIPUR                           | Jobsa            | 9733342010 |
| 133100300006 | HARDUAR PRASAD CHOWDHURY                   | VILL: NAOGON P.O: KARDAHA                      | Chilimbadi       | 9434964657 |
| 133100300027 | JILLUR RAHAMAN MIA                         | VILL: MALAHAR P.O: DARALHAT                    | Doara            | 9733107313 |
| 133100300035 | KHITISH CHANDRA DAS                        | VILL+P.O: RAMCHANDRAPUR                        | Satihar          | 9932659042 |
| 133100300048 | MADHAB CHANDRA SARKAR                      | VILL: SHRIBAI P.O: BHARILA                     | Kamdebbati       | 9735014087 |
| 133100300026 | MAJIBAR MIA                                | VILL: SREERAMPUR P.O: BANDHIGHI                | Antashimul       | 9733362504 |
| 133100300038 | MAMATAJ BEGUM                              | VILL: VIOR P.O: VIKAHAR                        | Jaminishchinta   | 9851677340 |
| 133100300019 | MANASH KUMAR ROY                           | VILL+P.O: KASBA                                | Aihara           | 9064345761 |
| 133100300024 | MANTU ADHIKARY                             | VILL+P.O: RAMPUR                               | Antashimul       | 9733220835 |
| 133100300009 | MANUKIYA CHOWDHURI                         | VILL+P.O: KARDAHA                              | Kardaha          | 9733037941 |

|              |                              |   |                         |            |
|--------------|------------------------------|---|-------------------------|------------|
| WB0033184949 | MANUKIYA CHOWDHURI           | Vill+P.O: Kardaha. P.S: Tapan.<br>Dist: Dakshin Dinajpur. | Kardaha                 | 9002698895 |
| 133100300029 | MD. MAKBUL HOSSEIN<br>SARKAR | VILL: DURGAPUR P.O:<br>DARALHAT                           | Jaminipara              | 9434305772 |
| 133100300004 | NARAYAN CHANDRA DAS          | VILL: MUKTARAMPUR P.O:<br>CHENCHRA                        | Birahini                | 9474137975 |
| 133100300016 | NARAYAN CHANDRA<br>GHOSH     | VILL: KAJIBAGH P.O: TAPAN                                 | Mollazi                 | 9609849062 |
| 133100300001 | NIPENDRA NATH SARKAR         | VILL: BAPTAIL P.O:<br>CHENCHRA                            | Chhiashi                | 9647718086 |
| 133100300047 | NIRENDRA NATH<br>CHOWDHURY   | VILL+P.O: GOFANAGAR                                       | Chhatrahati             | 9475103474 |
| 133100300008 | NIRMAL ROY                   | VILL: SUKDEBPUR P.O:<br>VIKAHAR                           | Chak Farid              | 9734900975 |
| 133100300022 | NITYANANDA BASAK             | VILL+P.O: KARAI CHENCHRA                                  | Naogon                  | 8926410623 |
| 133100300039 | PHANINDRA NATH ROY           | VILL: BATURIA   | Baneswarbati            | 9734963887 |
| 133100300018 | PRANAB KUMAR<br>CHAKRABORTY  | VILL: KASBA P.O: TAPAN                                    | Aihara                  | 9434130848 |
| 133100300032 | PRATAP CHANDRA<br>SINGHA ROY | VILL+P.O: TELIGHATA                                       | Kharpa                  | 9733131061 |
| 133100300002 | PROBODH KUMAR DAS            | VILL: RAMPARA CHENCHRA<br>P.O: TAPAN                      | Satakhanda              | 9609759216 |
| 133100300034 | PRODIP KUMAR<br>CHOWDHURY    | VILL: DARALHAT P.O:<br>RAMCHANDRAPUR                      | Satihar                 | 8348600681 |
| 133100300041 | RAFIUDDIN SARKAR             | VILL: DUBAHAR P.O:<br>HALIDONA                            | Kishtapur               | 8016819577 |
| 133100300011 | RAHIMUDDIN MIA               | VILL: CHAK HOSEN P.O:<br>NAYABAZAR                        | Bamanhati               | 9733149455 |
| 133100300014 | RIAJUDDIN SARKAR             | VILL: AZMATPUR  | Chak Bhriugu (CT)       | 9733105578 |
| 133100300025 | SANCHA EKKA                  | VILL+P.O: RAMPUR  | Antashimul              | 9434374086 |
| 133100300040 | SIRAJUDDIN SARKAR            | VILL: BHADRAIL P.O: GURAIL                                | Balikeshetra            | 7797265154 |
| 133100300010 | SUBASH CHANDRA KAR           | VILL: BAZRAPUKUR P.O:<br>NAYABAZAR                        | Sobrasypur              | 9434325216 |
| 133100300036 | SUJOY ROY                    | VILL: CHAKBHAGIRATH P.O:<br>KARDAHA                       | Banial                  | 9474312155 |
| 133100300012 | SUKUMAR SARKAR               | VILL: ANTASHIMUL P.O:<br>MANAHALI                         | Singal                  | 9933398848 |
| 133100300013 | SUREN CHANDRA SARKAR         | VILL+P.O: MANAHALI  | Kismat<br>Ramkrishnapur | 9609907929 |
| 133100300037 | TARUN KUMAR ROY              | VILL+P.O: BHIKAHAR  | Chak Nedair             | 9734042064 |
| 133100300021 | TASLIMA BEGUM (BEWA)         | VILL: KAJIBHAG P.O: TAPAN                                 | Khosalpur               | 9564864417 |

**Name of Municipality : BANSHIHARI**

| FPS Code     | Owner Name   | Shop Address                           | Village            | Mobile     |
|--------------|--|--|--------------------|------------|
| 133100200007 | ANIL KUMAR HAZRA,<br>JUTHIKA HAZRA, APURBA<br>SARKAR | VILL PATRA P.O DOULATPUR               | Daing              | 9932513774 |
| 133100200002 | BANANI BOSE  | VILL+P.O: BADALPUR                     | Sankarbati         | 9800369167 |
| 133100200010 | BHABESH CHANDRA<br>PRODHAN                           | VILL: MALAM P.O:<br>BUNIADPUR          | Dumnipara          | 9932328365 |
| 133100200008 | BINAY KUMAR DAS                                      | VILL: MIRAHATI P.O:<br>SINGADAHA       | Abhirampur         | 9002335524 |
| 133100200011 | DEBASHISH ROY  | VILL: KASHIMPUR P.O:<br>SUDARSHANNAGAR | Biralipara         | 9733405069 |
| 133100200024 | DULAL CHAD<br>CHOWDHURY                              | VILL: SIBPUR P.O:<br>BANSHIHARI        | Sakrail            | 9434985937 |
| 133100200015 | DULAL CHANDRA KUNDU                                  | VILL+P.O: JORDIGHI                     | Biralipara         | 9593632892 |
| 133100200027 | EBARUDDIN AHAMED                                     | VILL: SAYESTABAD P.O:<br>KARKHA        | Jagannathpur       | 9735079440 |
| 133100200017 | GOBINDA ROY, AYETRI<br>ROY                           | VILL JAMAR P.O KARAI                   | Kesharghata        | 9733360752 |
| 133100200006 | KALYANI SKUS LTD.                                    | VILL: KALYANI P.O:<br>KUSHKARI         | Mahukuri           | 9775904690 |
| 133100200021 | MAHENDRA NATH ROY                                    | VILL: NOAPARA P.O:<br>JALALPUR         | Chhota Faizullapur | 9474439902 |
| 133100200020 | MD. MOTIUR RAHAMAN                                   | VILL: JAHARPUR P.O: SIHOLE             | Dakshin Gopalpur   | 9734988145 |
| 133100200001 | MIRA RANI SIKDER                                     | VILL+P.O: DOULATPUR                    | Kashikuri          | 9474439640 |
| 133100200016 | MOSLEM ALI   | VILL: GAYENPARA P.O:                   | Biralipara         | 9732971308 |

|              |  |   |             |            |
|--------------|--|---|-------------|------------|
|              |  | CHERAGIPARA                             |             |            |
| 133100200022 | MOTILAL DAS  | VILL: BARAIL P.O:<br>BUNIADPUR          | Malam       | 9733079656 |
| 133100200009 | NANI BALA ROY  | VILL: BANAMALIPUR P.O:<br>DOULATPUR     | Madhupur    | 9734136739 |
| 133100200005 | NARENDRA NATH SARKAR                                     | VILL: KUSUMBA P.O:<br>BUNIADPUR         | Patkola     | 9733394265 |
| 133100200019 | NITYA PRIYA SAHA   | VILL+ P.O: SIHAL                        | Gerul       | 9775994492 |
| 133100200025 | PROBHAT CHAKRABORTY                                      | VILL+P.O: BUNIADPUR                     | Chandmukh   | 9434425103 |
| 133100200028 | PROVURAM CHOWDHURY                                       | VILL: DEURIA P.O:KORKHA                 | Bhingaldaha | 9733032129 |
| 133100200012 | PUSPALATA MONDAL,<br>SUBRATA MONDAL                      | VILL PATHARGHATA P.O<br>SUDARSHANNAGAR  | Biralipara  | 9733261859 |
| 133100200003 | RASH BIHARI DAS, SUJIT<br>KUMAR DAS,                     | VILL JURAHAR P.O BADALPUR               | Sankarbati  | 7407629094 |
| 133100200018 | SITA SARKAR  | VILL JAMAR P.O KARAI                    | Kesharghata | 9733270396 |
| 133100200004 | SUBAL CHANDRA SARKAR                                     | VILL: BARAGRAM P.O:<br>BADALPUR         | Dilalpur    | 9800162994 |
| 133100200026 | SUNIL KANTI DAS, DALI<br>DAS, DIPAK KR. DAS, DILIP<br>KR | VILLP.O BUNIADPUR                       | Chandmukh   | 9563564472 |
| 133100200023 | SUNIL KUMAR SAHA   | VILL: RASIDPUR P.O:<br>BUNIADPUR        | Rahimpur    | 9434207347 |
| 133100200013 | UTPAL GHOSH  | VILL: DITOLHAT P.O:<br>BANSHIHARI       | Biralipara  | 7031974080 |
| 133100200014 | UTTAM GHOSH  | VILL: DIGHI BANSHIHARI P.O:<br>JORDIGHI | Biralipara  | 9735004850 |

**Name of Block : GANGARAMPUR**

| FPS Code     | Owner Name                           | Shop Address                          | Village                | Mobile     |
|--------------|--------------------------------------|---------------------------------------|------------------------|------------|
| 133100600026 | AHACHAN ALI SARKAR                   | VILL: SRINATHBATI P.O:<br>JAHANGIRPUR | Sahanali               | 9832419829 |
| 133100600001 | AMAL CHANDRA ROY                     | VILL: SINGHFARKA P.O:<br>KANTABARI    | Saraipur               | 9734091137 |
| 133100600038 | AMALENDU DAS                         | NAYABAZAR                             | Hariharpur             | 9800284883 |
| 133100600009 | AMBIKA CHARAN ROY                    | VILL: KARIAL P.O: JALALPUR            | Badbighor              | 9733012510 |
| 133100600008 | ANJALI BYAPARI<br>(MONDAL)           | VILL: NILDANGA P.O:<br>JALALPUR       | Jaypur                 | 9647740028 |
| 133100600014 | ASIM KUMAR DAS                       | VILL: SAYRAPUR P.O: JOYPUR            | Takipur                | 9733202422 |
| 133100600017 | ASIM KUMAR DAS                       | VILL: SOUTH BELBARI P.O:<br>BELBARI   | Dafarpur               | 9733202422 |
| 133100600027 | BANIHARI SKUS LTD.                   | VILL: BANIHARI P.O:GANCHI             | Sayrapur               | 8116976528 |
| 133100600004 | BHABESH ROY                          | VILL: BHORAL P.O:<br>SUKDEVPUR        | Kakair                 | 9733253988 |
| 133100600018 | DILIP CHANDRA DAS                    | VILL: SAIDPUR P.O:<br>NAYABAZAR       | Katatair               | 9800087353 |
| 133100600015 | HARIHAR PRASAD<br>BHAGAT             | VILL+P.O: JAYPUR                      | Khozapur               | 9733028197 |
| 133100600030 | ICHHIMTARA BIBI                      | VILL GOKULPUR P.O<br>ASHOKGRAM        | Shikarpur              | 9609961973 |
| 133100600007 | JIBON KUMAR GHOSH                    | VILL: PATAN P.O: JALALPUR             | Katalhat               | 7699914135 |
| 133100600022 | KALI CHARAN SARKAR                   | VILL: GOCHIAR P.O: NARAI              | Mahipur                | 9563366558 |
| 133100600010 | KAMALUDDIN AHAMED                    | VILL: RADHANAGAR P.O:<br>RATANPUR     | Kantaban               | 9434220392 |
| 133100600016 | KHAGENDRA NATH<br>PRAMANIK           | VILL: PASCHIM JOYPUR P.O:<br>JALALPUR | Khozapur               | 9434460550 |
| 133100600003 | KISHAN HASDA                         | VILL: DAFARPUR P.O:<br>CHAMPATALI     | Abhirampur             | 9734427658 |
| 133100600020 | MADAN KUMAR BASAK,<br>MAHESWAR BASAK | VILLP.O CHAMPATALI                    | Khayerban              | 9609305796 |
| 133100600024 | MAJEDUR SARKAR,<br>MASKEDUL SARKAR   | VILL+P.O: JAHANGIRPUR                 | Kabirpur               | 9734127392 |
| 133100600025 | MAJEDUR SARKAR,<br>MASKEDUL SARKAR   | VILL RAMDEBPUR P.O<br>JAHANGIRPUR     | Sahabazpur             | 9734127392 |
| 133100600029 | MOJAMMEL HOQUE                       | VILL: KASHIPUR P.O:<br>ASOKEGRAM      | Dhonail                | 9735029379 |
| 133100600034 | MOSTAFAPUR SKUS LTD.                 | VILL: MOSTAFAPUR P.O:<br>BURIDIGHI    | Madhya<br>Raghunathpur | 9593237133 |
| 133100600011 | MUKUL MIA                            | SAHABAJPUR VILL+P.O:                  | Singfarka              | 9434460287 |

|              |  |                                      |                   |            |
|--------------|--|--------------------------------------|-------------------|------------|
|              |  | RATANPUR                             |                   |            |
| 133100600002 | NAZRUL ISLAM   | VILL: BELATHALI P.O:<br>SARBAMANGALA | Pukurpar Raypur   | 8016705205 |
| 133100600023 | OMPROKASH KANU   | VILL: KESHABPUR P.O:<br>RAJIBPUR     | Ratanpur          | 9734127007 |
| 133100600012 | PAJIRUDDIN MIAH  | VILL: PATUL P.O:CHENCHRA             | Brahmanpara       | 9733154830 |
| 133100600013 | PRADIP KUMAR ROY   | VILL: HOSSENPUR P.O:<br>KANTABARI    | Arazi Lalchandpur | 9733313095 |
| 133100600036 | RAJAB ALI SHAFAKIR   | VILL: PALSA P.O: FULBARI             | Kumargara         | 9735903256 |
| 133100600031 | RAMAKANT PROSAD<br>GUPTA                                       | VILL: NEHEMBA P.O:<br>ASHOKEGRAM     | Keshabpur         | 9932922748 |
| 133100600028 | RAZAUL KARIM SARKAR,<br>RUHUL KARIM SARKAR                     | VILL SAHARA P.O<br>PRANSAGOR         | Durgapur (P)      | 9733351203 |
| 133100600019 | SAMIRAN KUMAR<br>SARKAR  | VILL+P.O: SARBAMANGALA               | Khayerban         | 9733260075 |
| 133100600006 | SANKAR SARKAR  | SUKDEBPUR                            | Dikul             | 9775433168 |
| 133100600005 | SANKAR SARKAR  | VILL+P.O: SUKDEVPUR                  | Hasnagar          | 9775433168 |
| 133100600035 | SHYAMLATA DAS  | VILL: NAKAIR P.O: FULBARI            | Chhilimpur        | 9614700300 |
| 133100600033 | SUBHAS CHANDRA DAS   | VILL: ADIGRAM P.O: SANCHI            | Sultanpur         | 9635462525 |
| 133100600032 | TAIB ALI MIA   | VILL: RAYPUR P.O:<br>ASOKEGRAM       | Nandair           | 9775861983 |
| 133100600021 | TARUN KUMAR<br>MAJUMDER, HABIBUR<br>RAHAMAN, SATHI<br>MAJUMDER | VILL RAGHUNATHBATI P.O<br>KALDIGHI   | Shukdebpur        | 9434120811 |
| 133100600037 | TOFAJJAL MANDAL,<br>TAMIJUR MANDAL,<br>SADEKUL MANDAL, M       | VILL P.O PANCHAGRAM                  | Mahakhair         | 9733446670 |

**Name of Municipality : GANGARAMPUR**

| FPS Code     | Owner Name                           | Shop Address                               | Village         | Mobile     |
|--------------|--------------------------------------|--|-----------------|------------|
| 133101000003 | AJOY KUMAR GHOSH                     | RAJIBPUR P.O:<br>GANGARAMPUR               | Gangarampur (M) | 9933687427 |
| 133101000008 | BIMAL CHANDRA SAHA                   | SHIB BARI P.O: RAJIBPUR                    | Gangarampur (M) | 9434305710 |
| 133101000009 | GOBINDA KUMAR<br>BHOWMIK             | INDRANARAYANPUR P.O:<br>GANGARAMPUR        | Gangarampur (M) | 9332931025 |
| 133101000005 | GOUTAM KUMAR KUNDU                   | RAJIBPUR P.O:<br>GANGARAMPUR               | Gangarampur (M) | 9434171170 |
| 133101000011 | ILA MOHANTA                          | PURANPARA P.O:<br>GANGARAMPUR              | Gangarampur (M) | 9932417999 |
| 133101000001 | KAMALESH CHANDRA<br>FOUZDAR          | VILL: RAJIBPUR P.O:<br>GANGARAMPUR         | Gangarampur (M) | 9434347871 |
| 133101000007 | KAMALESH CHANDRA<br>FOUZDER (TAGGED) | BAROBAZAR P.O:<br>GANGARAMPUR              | Gangarampur (M) | 9434347871 |
| WB0331116112 | MS. T.K.MAJUMDER AND<br>PARTNERS     | Kaldighi                                   | Gangarampur (M) | 9434120811 |
| 133101000010 | NITYA RANJAN SAHA                    | EAST BELBARI P.O: BELBARI                  | Gangarampur (M) | 9547792847 |
| 133101000006 | SANTOSH DUTTA                        | NARAYANPUR (LAXMITOLA)<br>P.O: GANGARAMPUR | Gangarampur (M) | 9933957850 |
| 133101000004 | SUMITA SARKAR                        | D.B.ROAD PARA P.O:<br>GANGARAMPUR          | Gangarampur (M) | 9474072065 |
| 133101000002 | SUSHANTA KUMAR BASAK                 | RAJIBPUR (DUTTA PARA) P.O:<br>GANGARAMPUR  | Gangarampur (M) | 9434425651 |

**Name of Block : HARIRAMPUR**

| FPS Code     | Owner Name                   | Shop Address                     | Village         | Mobile     |
|--------------|------------------------------|----------------------------------|-----------------|------------|
| 133100900025 | AHIBHUSAN DAS                | VILL: MUSKIPUR P.O:<br>BARAGRAM  | Kundana         | 9046037908 |
| 133100900027 | ARINDAM DAS                  | VILL+P.O: HARIRAMPUR             | Atharbbabati    | 9563615927 |
| 133100900003 | BADAL CHANDRA<br>CHAKRABARTY | VILL+P.O: BAIRHATTA              | Chandipukur     | 9734937448 |
| 133100900005 | BIPAD BHANJAN DAS            | VILL: MOHENDRA P.O:<br>KANAIKUR  | Barajhara       | 7602528662 |
| 133100900011 | GHANASHAYAM SARKAR           | VILL: BAGBARI P.O:<br>DANGRAM    | Aligara         | 9434166234 |
| 133100900022 | GIRINDRA NATH SARKAR         | VILL: JATHIGRAM P.O:<br>BALIHARA | Brahmangaon     | 9775870177 |
| 133100900009 | IDRISH MIAH                  | VILL: VETAHAR P.O:<br>BAGICHAPUR | Uttar Srirampur | 9733410045 |

|              |  |                                      |                  |            |
|--------------|--|--------------------------------------|------------------|------------|
| 133100900017 | JHABBAR PRADHAN,<br>NAZAR PRODHAN, RAM<br>PRODHAN, HEM P | VILL MOBARAKPUR P.O<br>KANAIPUR      | Manchampur       | 9733359826 |
| 133100900019 | MAJEDUR RAHAMAN  | VILL: ABADPUR P.O:<br>BALIHARA       | Uttar Mulahati   | 9775861274 |
| 133100900018 | MANINDRANATH SARKAR                                      | VILL: ASOL BANAGRAM P.O:<br>BALIHARA | Naogaon          | 7866020981 |
| 133100900021 | MD. BADIUZZAMAN MIAH                                     | VILL: PIRKAMAIL P.O:<br>MALIANDIGHI  | Uttar Benail     | 9933705714 |
| 133100900004 | MD. HUSSAIN MIAH   | VILL P.O BAIRHATTA                   | Chandipukur      | 9933705714 |
| 133100900026 | MD. MOJAHARUL HAQUE                                      | VILL+P.O: SAIYADPUR                  | Atharbbabati     | 9733181243 |
| 133100900024 | MIJANUR RAHAMAN  | VILL: PENGLU P.O: KALAIBARI          | Asrafpur         | 9775957554 |
| 133100900008 | MIRAJUL ISLAM  | VILL AMRAKURI P.O<br>BAGHICHAPUR     | Uttar Srirampur  | 9734000105 |
| 133100900002 | MOMINUR RAHAMAN  | VILL: KHOTKHAMAR P.O:<br>BOIRHATTA   | Kothamar         | 9735214295 |
| 133100900012 | NANDAN SARKAR  | VILL: P.O: DANGRAM                   | Kanur            | 9775810719 |
| 133100900001 | NRIPENDRA NATH ROY                                       | VILL: JAGDOLA P.O:<br>KANAIPUR       | Dakshingaon      | 9647834404 |
| 133100900014 | PRADIP KUMAR PRASAD                                      | VILL: KOKIL P.O: DAULATPUR           | Bahadurpur       | 9932139514 |
| 133100900006 | RAFIUDDIN AHAMED   | VILL: MOLLAHAR P.O:<br>BAGICHAPUR    | Naopara          | 9614273693 |
| 133100900028 | RAM DULARI DEVI, SITA<br>GUPTA, SUMI GUPTA               | VILL P.O HARIRAMPUR                  | Atharbbabati     | 9434130874 |
| 133100900013 | RAMCHARAN SINGH  | VILL: SHYAMDAS P.O:<br>DANGRAM       | Chhota Khidirpur | 9735933820 |
| 133100900020 | RAMPADA SARKAR   | VILL: KASBA P.O: BAIRHATTA           | Mudafatmakimpur  | 9735912614 |
| 133100900010 | SANATAN SARKAR   | VILL: UKHALI P.O:<br>HARIRAMPUR      | Khusipur         | 9733310724 |
| 133100900031 | SANJIB ROY   | VILL+P.O: HARIRAMPUR                 | Atharbbabati     | 8759584751 |
| 133100900007 | SANKAR MAHATO, KANTI<br>MAHATO                           | VILL BAHADURPUR P.O<br>DANGRAM       | Panthanpara      | 9002868595 |
| 133100900023 | SANTOSH SINGH, THAKUR<br>SINGH                           | VILL MUSHAN P.O<br>BARAGRAM          | Bartakkigram (I) | 8016331688 |
| 133100900015 | SUBAL CHANDRA SARKAR                                     | VILL: BARTOKI P.O:<br>KANAIPUR       | Betna            | 9733216699 |
| 133100900029 | TAFIZUDDIN AHAMED  | VILL: MEHENDIPARA P.O:<br>DOULATPUR  | Atharbbabati     | 9733047430 |
| 133100900016 | TARAPADA SARKAR  | VILL+P.O: PUNDARI                    | Kalsi            | 9735795193 |
| 133100900030 | TULSI MALI SARKAR  | VILL+P.O: HARIRAMPUR                 | Atharbbabati     | 9733178955 |

**Name of Block : KUSHMANDI**

| FPS Code     | Owner Name   | Shop Address                               | Village                 | Mobile     |
|--------------|--|--|-------------------------|------------|
| 133100800033 | ABDUL MANNAN   | CHOUSHA                                    | Gilapukur               | 9153329749 |
| 133100800015 | ANAMUL ISLAM   | NANAHARPARA P.O SIHOL                      | Titihi                  | 9733468128 |
| 133100800007 | BAKUL DAS  | VILL+ P.O: DEHABAND                        | Kasba                   | 9434964797 |
| 133100800006 | BHABENDRA NATH ROY                                       | MANIKORE                                   | Gopibati                | 9547089033 |
| 133100800026 | BHUJANGA SARKAR  | VILL:BARAKRISHNAPUR P.O:<br>SHIBKRISHNAPUR | Nurulla<br>Kuringarpara | 9733259830 |
| 133100800039 | BIJENDRA NATH ROY  | KATABARI                                   | Rampur                  | 8670256149 |
| 133100800036 | BIPLAB JOARDAR   | MAHIPAL                                    | Baraidanga              | 9733455560 |
| 133100800004 | BIRENDRA NATH SARKAR,<br>SUSHILA SARKAR, DIPAK<br>SARKAR | MOLLAPARA                                  | Mollapara               | 9475163518 |
| 133100800001 | DHIRAJ DEB SINGHA  | USHAHARAN HAT                              | Bochkapara              | 9593966863 |
| 133100800002 | DWIJENDRA NATH DUTTA                                     | MANIKAR                                    | Rajkot                  | 9733452619 |
| 133100800021 | GOLAM ROBBANI  | ARAGIPANISALA                              | Tejihar                 | 9932695311 |
| 133100800008 | GOPINATH SARKAR  | VILL: MAHATOR P.O:<br>SANDHIYA             | Bahadol                 | 9734049515 |
| 133100800032 | HABIBUR RAHAMAN,<br>ABDUR RAHIM, ABDUR<br>RASID          | UTTAR PARA                                 | Balaspur                | 9734055680 |
| 133100800025 | HAFIZUR RAHAMAN  | DAKSHIN NAHIT                              | Isnail                  | 9734014695 |
| 133100800034 | HIRENDRA NATH SARKAR                                     | VILL+P.O: CHOUSA                           | Dhakdhol                | 9733287364 |
| 133100800027 | KAMAL KUMAR PAUL   | BASAIL                                     | Shabdulpur              | 9434373843 |
| 133100800013 | KARTICK CHANDRA ROY                                      | SAHAPUR                                    | Mahishbathan            | 9733452588 |
| 133100800018 | KESHAB JOSHI, MIRA<br>SHARMA                             | AKCHA                                      | Poradanga               | 8116295869 |



|              |  |                                     |                    |            |
|--------------|--|-------------------------------------|--------------------|------------|
| 133100800003 | MADHULAL SAHA, SHANTI SAHA, PARTHA SAHA            | VILL.P.O MANIKAR                    | Manikor            | 9434373819 |
| 133100800019 | MADHURI CHANDRA SARKAR                             | PARAMESWARPUR                       | Jaherpur           | 9474848891 |
| 133100800024 | MAJEDAR RAHAMAN                                    | UTTAR NAHIT                         | Isnail             | 9733440310 |
| 133100800009 | MANSUR ALI, ANARUL ISLAM                           | VILL SILIMPUR P.OBOIRHATTA          | Silimpur           | 9733436764 |
| 133100800016 | MAYA CHOWDHURY, SHYAMALENDU CHOWDHURY< GOUTAM CHOW | NAHIT                               | Pachim Balarampur  | 9735057031 |
| 133100800029 | MOHANLAL PRASAD, UTTAM PRASAD, KISORI PRASAD       | KALIKAMORA                          | Shrirampur         | 9775925915 |
| 133100800011 | MOJAHAR ALI  | MALIHAR                             | Chapra             | 9734047809 |
| 133100800023 | MOJAHAR ALI  | CHORAGACHHI                         | Choragachhi        | 9609976540 |
| 133100800005 | NARAYANI GHOSH                                     | MAJHAIR                             | Patinahar          | 9734997044 |
| 133100800037 | PRALAY KUMAR ROY                                   | VILL - PANCHHATA P.O - DIKUL        | Chhota Damodarpur  | 8967298820 |
| 133100800012 | RABEYA BEWA, RAZZAK HOSSEIN, REJAUL KARIM          | BASOIL                              | Saraihat Bajedonor | 9733053046 |
| 133100800014 | RAJA ROUTH   | KUSHMANDI                           | Titihi             | 9474139123 |
| 133100800040 | RAJMOHAN BARMAN                                    | VILL+P.O: DURGAPUR                  | Maulai             | 9679847856 |
| 133100800031 | RAM KUMAR JHA, OMPROKASH JHA                       | VILL MANGALPUR P.O SHIBKRISHNAPUR   | Bhikanpur          | 9932734542 |
| 133100800010 | ROSNAWARA BEWA, NUR ALAM, NURUL ISLAM              | SARALA                              | Sarala             | 9434879812 |
| 133100800030 | SACHINDRA NATH ROY                                 | CHEWRA                              | Krishnapur         | 8145815681 |
| 133100800022 | SANTOSH KUMAR DAS                                  | UTTAR KARANJI                       | Baghna             | 9434458988 |
| 133100800028 | SWAPNA MITRA                                       | VILL+P.O: AMINPUR                   | Aminpur            | 9932065877 |
| WB0033185041 | SWAPNA MITRA                                       | Vill+P.O: Aminpur                   | Aminpur            | 9932065877 |
| 133100800035 | TARUNNEHAR BEGUM, ABDUL MALEK                      | VILL PUTOHARI P.O MAHIPAL           | Kumruk             | 9733006915 |
| 133100800017 | TUJAMMEL HOQUE                                     | PICHHLAPUKUR                        | Kalancha           | 9933538351 |
| 133100800038 | UPASU SARKAR                                       | DIKUL                               | Osmanpara          | 9593840769 |
| 133100800020 | VISWADEB SARKAR                                    | VILL: KRISHNAPUR P.O: PARAMESWARPUR | Ekdala Bahirhata   | 9474848891 |

**Details of M.R. Distributor in PDS**  
**District : Dakshin Dinajpur**

| SL. No | Name of M.R.Distributor     | Block/Municipality | Address   | Contact Number |
|--------|-----------------------------|--------------------|-----------|----------------|
| 1      | M/s. S.P. Chatterjee & Sons | Balurghat (B+M)    | Balurghat | 9434964325     |
| 2      | Smt. Rinku Saha             | Balurghat (B+M)    | Balurghat | 9434055454     |
| 3      | Sukla Saha Sarkar           | Balurghat (B+M)    | Balurghat | 9933707038     |

|    |                          |             |             |            |
|----|--------------------------|-------------|-------------|------------|
| 4  | Bejoy Kr. Saha           | Balurghat   | Patiram     | 9434130765 |
| 5  | M/s. Adhir Chandra Kundu | Hili        | Hili        | 9933612669 |
| 6  | Kumarganj ACMS Ltd.      | Kumarganj   | Mohanahat   | 9434964208 |
| 7  | Tapan Co-Opt AMS Ltd.    | Tapan       | Tapan       | 9434035021 |
| 8  | Pranab Kr. Sarkar        | Gangarampur | Gangarampur | 9434247057 |
| 9  | Pradip Kr. Sarkar        | Gangarampur | Gangarampur | 9434460190 |
| 10 | Shree Raghunath Joshi    | Kushmandi   | Kushmandi   | 9434325437 |
| 11 | Sangita Daga             | Harirampur  | Harirampur  | 9434513139 |
| 12 | Gobinda Kundu            | Banshihari  | Buniadpur   | 9434211185 |

13.

# Disaster Management Plan

*Balurghat(Agri.-Mech.) Division*

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Damages caused to different R.L.I. Schemes throughout the district in the Aug-Sep'2017 flood :-

- Toppling and dislocation of twin-hull steel barges along with engines and electric motors inside them.
- Submerging of pump-houses causing extensive damages to various electric instruments.
- Diesel engines and electric motors were water-logged.
- Pipelines were severely affected due to extensive silting and erosion of soil.
- Many utility instruments were lost by the overpowering flood water flow.



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## Future course of actions to avoid such losses in case of disasters :-

- Creation of a social-networking group for each sub-division involving all site-staffs for better communication regarding any disaster and actions there-after.
- Anchoring system of barges have been made more rigorous and due attention is provided for their proper maintenance.
- Diesel engine and electric motor installations have been made more rigid so that they are not dislocated.
- Before onset of monsoon, the vital instruments are shifted to nearby safe-houses under the vigilance of site-staffs.
- Electric equipments, earthings are being made more foolproof to avoid any mishap in case of any disaster.

## **Contact Persons :**

Mr.Debrata Bargi (Assistant Engineer(A-M) -  
Gangarampore(A-M)Sub-Div.) – 8250374762

Mr.Sudip Roy (Assistant Engineer(A-M) -  
Balurghat-II(A-M)Sub-Div.) - 8420526052

**14. FORMAT FOR FURNISHING INFORMATION ABOUT RESOURCE PERSONS WHO ARE EXPERT IN DIFFERENT ASPECTS OF DISASTER MANAGEMENT.**

|   |  |
|---|--|
| Name of the Institution/Individual  | DAKSHIN DINAJPUR DIVISION, PWD   |
| Previous involvement in any disaster Risk Reductions/response activities. | Yes  |
| Prevention/Mitigation/Preparedness Activities undertaking.                | Yes  |
| Whether willing to be associated with Emergency management activities?    | Yes  |
| Whether willing to offer the services For Disaster risk reduction?        | Yes  |
| Name of officers along with address Phone no. and e-mail.                 | <p>1. ASIM KUMAR NASIPURI<br/>EXECUTIVE ENGINEER<br/>DAKSHIN DINAJPUR DIVISION, PWD<br/>Mob no.6292121974<br/>e-mail: <a href="mailto:eePWDddd.2011@gmail.com">eePWDddd.2011@gmail.com</a></p> <p>2. PROSENJIT DASGUPTA<br/>ASSISTANT ENGINEER<br/>BALURGHAT SUB DIVISION NO.I,PWD<br/>Mob 6292122303<br/>e-mail: <a href="mailto:aepWdbd1@gmail.com">aepWdbd1@gmail.com</a></p> <p>3. SHUBHAM DUTTA<br/>ASSITANT ENGINEER<br/>BALURGHAT SUB DIVISION NO.II, PWD<br/>Mob. 6292122304<br/>e-mail <a href="mailto:pwdbd2.2017@gmail.com">pwdbd2.2017@gmail.com</a></p> <p>4. SUMANKALYAN DAS<br/>ASSISTANT ENGINEER<br/>GANGARAMPUR SUB DIVISION, PWD<br/>Mob 6292122305</p> |



## **15. DISASTER MANAGEMENT PLAN OF DISTRICT INTELLIGENCE BRANCH, DAKSHIN DINAJPUR FOR THE YEAR 2020-2021**

1. A team of Disaster Management of district Police has been formed as per guidelines received vide WBPD memo No.604/OPG-72/09 dated 17.03.2011 for quick deployment during occurrence of any Disaster in any manner in the district.
2. Addl. Superintendent of Police, (HQRS), Dakshin Dinajpur is the nodal officer and Deputy S.P.(HQRS) and Deputy S.P. (D&T) will act as alternative nodal officer in absence of Addl. Superintendent Of Police (HQRS), Dakshin Dinajpur of the District Police Disaster Response Team.
3. The Addl. Superintendent of Police, Dakshin Dinajpur being assisted by Deputy S.P.(HQRS) and Deputy S.P.(D&T) will also function as Group Commander/Team Commander of the incident commandant system stationed at Balurghat Police lines which will be the Emergency Operation Centre of district police disaster response team. They will keep close liaison with the district administration during crises time of disaster.
4. R.I will form a team with at least 30 able police personnel of all ranks for deployment from his command and also brief all concerned officer and men as per guideline.
5. A police control room will also function at Police Telecommunication Building, Balurghat with Telephone Number 255-554 for monitoring the situation in the district and keep Superintendent of Police, Additional Superintendent of Police, other members including ICs/OCs of PSs and the Administrative Control Room shall keep close and constant liaison with ICs/OCs of PSs and other superior Police Officers.

The member of the incidents Commandant system of disaster management response team of Dakshin Dinajpur district police are as follows.

Nodal Officer, Shri Debasish Nandi, IPS, Addl. Superintendent of Police,(HQRS),Dakshin Dinajpur. (Mobile No. 9083270101)

### **Alternative Nodal Officer**

1. Shri Dhiman Mitra, Deputy Superintendent of Police(HQRS), Dakshin Dinajpur, (Mobile No. 9083270102)

2. Shri Uday Tamang, Deputy Superintendent of Police (D&T), Dakshin Dinajpur, (Mobile No. 9083270103)

**Other members of Disaster Management Response Team.**

| SL.NO. | Name                  | Designation              | Mobile Number |
|--------|-----------------------|--------------------------|---------------|
| 1.     | Shri Pradip Kumar Das | SDPO, Gangarampur        | 9083270105    |
| 2.     | Shri Jayanta Dutta    | IC Balurghat PS          | 9083270107    |
| 3.     | Shri Purnendu Kundu   | IC Gangarampur PS        | 9083270110    |
| 4.     | Shri Monojit Das      | IC Banshihari PS         | 9083270109    |
| 5.     | Shri Sanjib Biswas    | IC Harirampur PS         | 9083270109    |
| 6.     | Shri Manabendra Saha  | IC Kushmandi PS          | 9083270110    |
| 7.     | Shri Basant Porel     | RI, Dakshin Dinajpur     | 9083270121    |
| 8.     | Shri Goutam Das       | DIO(I), Dakshin Dinajpur | 9083270118    |
| 9.     | Shri Satkar Syangbo   | O/C Tapan PS             | 9083270112    |
| 10.    | Shri T S Sherpa       | O/C Hili PS              | 9083270114    |
| 11.    | Shri Sanjay Mukherjee | O/C Kumarganj PS         | 9083270112    |
| 12.    | Shri Uday Singha      | RO Dakshin Dinajpur      | 9083270107    |

**16. DISASTER MANAGEMENT PLAN OF COMMANDANT 199 BN BSF, PATIRAM(WB)**

**DISASTER MANAGEMENT PLAN-2020**

1. **INTRODUCTION** : 199 BN BSF is presently deployed on Indo-Bangladesh border with its headquarter at Patiram and guarding the International Boundary from Border Pillar No.281/54-S to 294/B-S. The border area of the unit falls in District Dakshin Dinajpur (West Bengal) 06 Coys of the Unit and 01 Coy of 180 Bn BSF are deployed in 08 Border Out Posts for manning the Area of Responsibility (AOR) to guard and preserve the security of the International Boundary alongwith task to prevent smuggling and other trans-border crimes in the AOR. The Unit is deployed in the area since 11<sup>th</sup> September, 2015.

2. **BACKGROUND** : India, due to its, phisiography and climatic conditions is one of the most disaster prone area in the world. Vulneerability to disasters/emergencies of Chemical, Biological, Radiological and Nuclear origin also exist. Heightened vulnerabilities to disaster risks can be related to increasing population, urbanization, industrialization, development within high-risk zones, environmemtal degradation, and climate change. The disasters may be natural or human-induced. Besides, with the natural factors discuss earlier, various human induced activities are also responsible for accelerated impact and increase in frequency of disasters in the country.

3. **AIM** : Keeping in view of such crisis and to get the District machinery respond quickly in planned and co-ordinated manner, it has been decided by the District. Administration to prepare Contingency plan through District Diasster Management Cell incorporating the contingency plans of all Govt. Departments viz. BSF, Police, Fire Fighting Station, Forest Department, Irrigation & Water Ways Department, Fisheries Deptt., PHE, CPWD, WBSEDCL, Dist Food & Supplies, NGOs and Voluntary Organization etc. under the District so that such emergency situation could be better managed and handled synergically.

4. **OBJECTIVES** : Main objectives of the DMP are :

- Improve the understanding of disaster risk, hazards and vulnerabilities.
- Prevent disasters and achieve substantial reduction of disaster risk and losses of lives, livelihoods, health and assets (economic, physical, social, cultural and environmental).

- c) Increase resilience and prevent the emergence of new disaster risks and reduce the existing risks.
- d) Empower both local authorities and communities as partners to reduce and manage disaster risks.
- e) Capacity development at all levels to effectively respond to multiple hazards and for community-based disaster management.
- f) Promote the culture of disaster risk prevention and mitigation at all levels.

**5. TYPE OF HAZARD/DISASTERS** : Primarily disasters are triggered by natural hazards or human induced or result from a combination of both. In particular, human induced factors can greatly aggravate the adverse impacts of a natural disaster. The extensive Industrialization and urbanization increases both the probability of human-induced disasters and the extent of potential damage to life and property from both natural and human-induced disasters. The human society is also vulnerable to Chemical, Biological and Nuclear Disasters. Some of the area specific hazards are as under :

**A. NATURAL HAZARDS :**

- i) Earthquake/Mass Movement of earth materials
- ii) Urban fires triggered by earthquakes.
- iii) Flood.
- iv) Heavy or excessive rainfall in a short period of time that produce immediate runoff, creating flooding conditions within minutes or a few hours during or after the rainfall.
- vi) Cold Wave
- vii) Extreme Temperature, Fog, Heat-wave
- viii) Lightning, Heavy Rain.
- ix) Sand-Storm, Dust-Storm.

**B. HUMAN-INDUCED DISASTERS** : Rise in population, rapid urbanization and industrialization, development within high risk zones, environmental degradation, and climate change aggravate the vulnerabilities to various kinds of disasters. Due to inadequate disaster preparedness, communities and animals are at increased risk from many kinds of human-induced hazards arising from accidents (industrial, road, air, rail on river or sea, building collapse, fires, mine flooding, oil spills, etc.) Chemical, Biological, Radiological and Nuclear (CBRN) hazards rank very high among the human-induced risks. Terrorist activities and secondary incidents add to these risks call for adequate preparedness and planning.

6. Keeping in view of above, unit has prepared the Contingency plans for dealing with the disaster situation. The Contingency plan has been worked out at three levels-

- i) Battalion HQ level
- ii) Coy level at the Border area (in the Area of the responsibility)
- iii) in aid to Civil/ District Authorities.

7. The Contingency plans for disaster management both at the Battalion as well as in Border area (AOR) have been planned to be carried out in three phases/stages.

- a) Preparatory phase (For Preparedness/ Pre-disaster measures)
- b) During disaster &

c) Post disaster phase.

**(I) BN HQ level Contingency Plan :** The BN HQ 199 BN BSF is situated at Patiram, Dakshin Dinajpur. The Bn HQ is co-located with another BSF Bn (137 BN BSF) keeping the disaster situation, following points have been taken into consideration in the contingency plan.

**(II)**

**(a) Preparatory Stage :**

- (i) All buildings and other infrastructures existing in the area that are prone to be affected by the disaster in the campus have been identified and marked.
- (ii) Areas/buildings and grounds in and around the campus have also been identified for use during such situations.
- (iii) Marking of roads using long poles on the sides, and even the dangerous areas like drains, low lying areas to restrict movement of troops and their families.
- (iv) Places and mode of shifting all essential stores of the Unit to safer places(duly identified), identifying and marking of routes and security of stores.
- (v) Advanced stocking of rations/stores/medicines/POL/cooking gas etc.
- (vi) Drinking Water Facility.
- (vii) Restoration of Comm (both intra and inter Bn/Higher HQs
- (viii) Routine day to day functioning without any disturbances.
- (ix) Organizing Disaster Incident Management Team (DIMIT) at the Bn level and framing of their Character of duties.
- (x) Constituting of a Rescue team in the Unit comprising of NDRF trained/repatriated personnel and other personnel of the Unit, providing suitable equipment for the purpose and providing Refresher trg to the Team who can be utilized in the Unit and also assist the district administration at the time of emergency call(with due permission from Hr.HQs only).
- (xi) Keeping ready medical teams 24 X 7 of the Unit with Ambulance, all necessary medicines and life-saving equipment.
- (xii) Early warning system.
- (xiii) Shifting of controlled items to safer places in advance.

**(b) During disaster :-**

- (i) Warning order by the DIMIT to all concerned about incident through fastest means of communication.
- (ii) Warning to troops and families.
- (iii) Switching off of electricity to avoid any electrical hazard.
- (iv) Immediate Shifting of manpower and light stores to earmarked safer places.
- (v) Distribution and stocking of drinking water and essential food items.
- (vi) Monitoring of Health and hygiene situation.
- (vii) Distribution of Medicine and cooked food to needy.
- (viii) Sending rescue teams to nearby local area on requisition by District Administration (with due permission of higher HQ).

**(c) Post Disaster Phase :-**

- (i) Clearing/Cleaning and disinfecting of all affected areas.
- (ii) Inspection of area by Unit Medical Officer and his team.
- (iii) Disinfection of drinking water source.
- (iv) Ensuring proper physical audit of condition of all stores after flood.
- (v) Restoration of essential services like water supply and electricity in the campus.
- (vi) Shifting of troops and stores back to their respective places and resuming of normal duties and office functioning.
- (vii) Assisting local district administrative in distribution of flood rescue relief material to needy in border area.
- (viii) Ensuring proper control of the situation.

- (ix) Restoration of essential services like water supply and electricity in the campus.
- (x) Shifting of troops and stores back to their respective places and checking of all controlled items.
- (xi) Resuming of routine ops duties.
- (xii) Ensuring proper distribution of flood rescue materials and medicines to the border population on being provided by the district administration.

8. **REDUCING RISK AND ENHANCING RESILIENCE** : Disaster risk arises when hazards interact with physical, social, economic and environmental vulnerabilities. Disaster risk reduction and mitigation consisting of the following.

- Integrating risk reduction measures into all development projects.
- Initiating mitigation projects in identified high priority areas through joint efforts of the Central and State Governments.
- Encouraging and assisting State level mitigation projects.
- Paying attention to indigenous knowledge on disaster and coping mechanisms.
- Giving due weightage to the protection of heritage structures.

1. **MITIGATION MEASURES FOR PEOPLE :-** District administration to maintain to close coordination with India Metrological Department (IMD) and closely monitor the situation. Warning should be disseminated to the public through appropriate forums (including local newspapers and radio stations) on a regular basis. Some of the mitigation measures to be followed are shown below :-

- a) Stay indoors as much as possible.
- b) Listen to local radio stations for updates.
- c) Eat healthy food to supply heat to the body and drink non-alcoholic beverages to avoid dehydration.
- d) keep dry, Change wet clothing frequently to prevent loss of body heat.
- e) Avoid over work. Over exertion can cause heart attack.
- f) Stock up food, water and other necessities.
- g) Keep hospitals in the State of readiness for the admission of victims.

9. **FLOOD RESCUE AND RELIEF OPS IN AID TO CIVIL ADMINISTRATION :-**

This Battalion has also worked out modalities and prepared Contingency plan to assist the Civil Administration in the following manner on call in case of such emergency :-

- a) By providing Water tankers/ trucks for supplying drinking water/food/stores to flood victims.
- b) Providing Medical Assistance with Ambulance service, organizing Mobile Medical Camps and Medical Camps under unit Medical team to the flood victims.
- c) Distribution of drinking water, food packets to the victims.
- d) May provide manpower assistance for rescue operation utilizing trained personnel in extreme emergency condition after clearance from competent Authority.
- e) Organizing rescue training to villagers to raise a team of volunteers who can be utilized in case of emergency with the help of the rescue material provided by the district administration.
- f) A nodal Officer will be detailed from the Unit who will be in regular touch with the District Disaster Management Cell major trust on Disaster preventive measures.

10. **POINTS FOR CONSIDERATION :**

- a) A joint control room consisting of reps of BSF, local police and Civil Administration should be established for proper monitoring and dissemination of info related with the disaster.

- b) Mechanism should be developed wherein the important and critical data regarding disaster can be shared with the counterpart i.e. Bangladesh.
- c) Creation of a strong pool of local volunteers by imparting training to them either by NDRF or other similar state agencies.
- d) Empowering NGOs to be an important stake holder in the entire process of rescue, relief and rehabilitation.
- e) Help of local BSF authorities may be invited to carry out rescue and relief measures in their border areas as they have effective presence and capabilities to undertake the same.
- f) Similarly, the help of local BSF units can also be involved by requisitioning them for providing drinking water to the affected urban areas of Balurghat.

#### **FLOOD RESCUE AND RELIEF OPS IN AID TO CIVIL ADMINISTRATION:-**

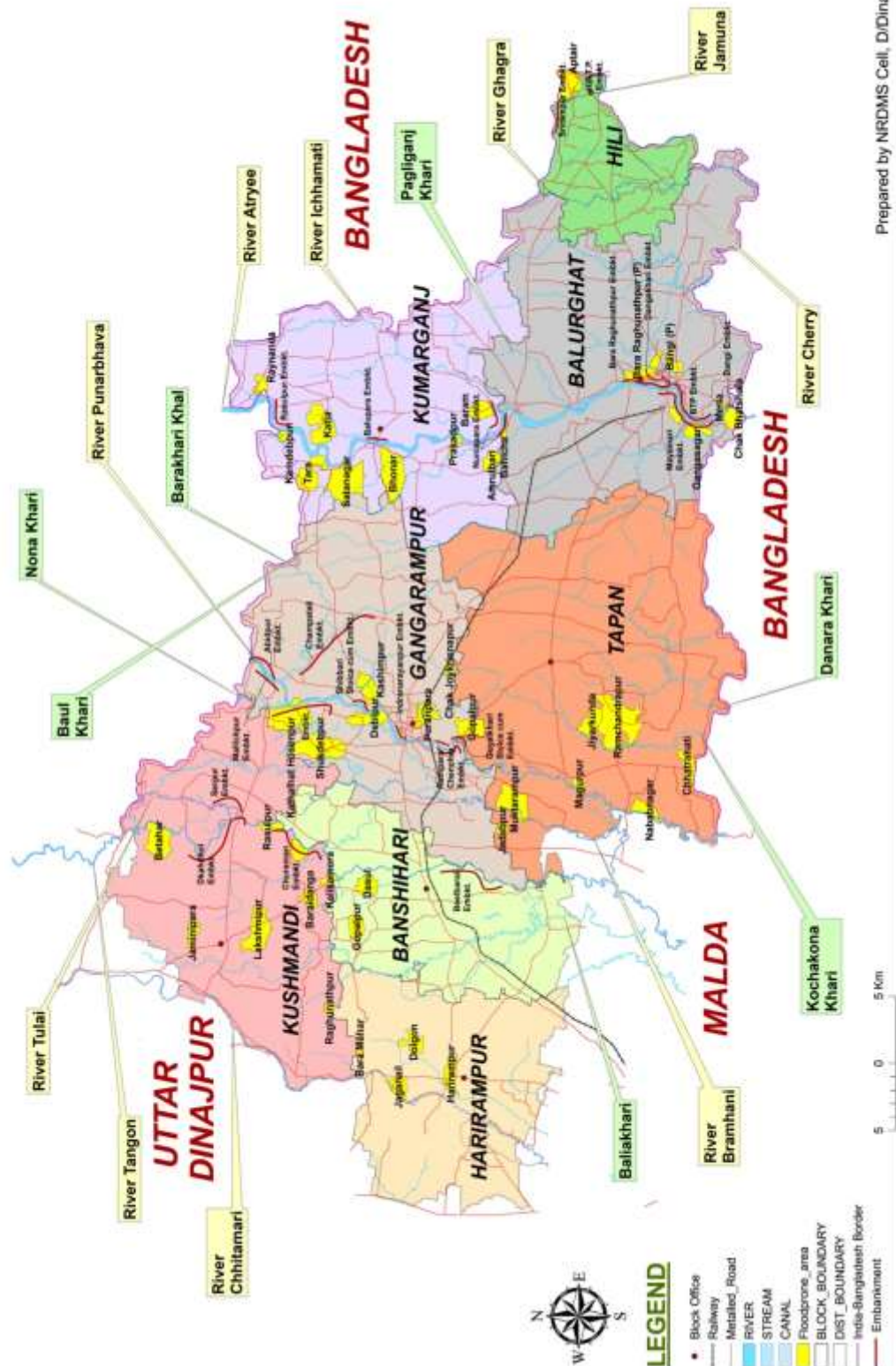
This Battalion has also worked out modalities and prepared Contingency plan to assist the Civil administration in following manner in case of such emergency:-

- By providing water tankers / trucks for supplying drinking water/food/stores to flood victims.
- Providing Medical assistance with Ambulance service , organizing Mobile Medical Camps and Medical camps under unit Medical team to the flood victims.
- Distribution of drinking water ,food packets to flood victims.
- May provide manpower assistance for flood rescue operation utilizing trained personnel in extreme emergency condition after clearance from Competent Authority.
- Organising Flood rescue training to villagers to raise a team of volunteers who can be utilized in case of emergency with the help of the flood rescue material provided by the district administration.
- A Nodal Officer will be detailed from the Unit who will be in regular touch with the Distt Disaster Management Cell well before advent of the monsoon season so that right from preparatory stage till post flood stage things can be better managed keeping major thrust on Disaster preventive measures .

#### **Note for consideration :-**

In the entire area of responsibility of this 183 Bn BSF, the Indo - Bangladesh Boder Road (IBBR) having width aprox. 10 feet is constructed in the 100 ft. width land acquired by the BSF for development of border infrastructures viz., Boder Road, Boder Fencing and Boder Flood Lights, with protection wall. Sence these infrastructures have been constructed on raised ground keeping the HFL (Hight Flow Limit) in the area, remains generally safe during the flood. Hence, the boder road can be utilized for temporary shifting of boder populatins, their lives stocks etc. foe safety during such emergency period. Keeping this aspect in view, the boder road in vicinity of villages which are prone to flood , may be increased in the width by earth filling along side so that such area can be well utilized by the boder villagers during flood. Distt. Authorities may consider the work under MNREGA programme for the safety and security of the boder population in the area dering flood. Also this unit may be provided wit flood rescue material and sufficient Medicines during monsoon season for the boder population.

# FLOODPRONE AREA OF DAKSHIN DINAJPUR DISTRICT



Prepared by NRDMS Cell, D'Dinajpur



### Annexure III

#### Vulnerability Matrix

##### Balurghat Block

| 1                               | 2  | 3  | 4   | 5  | 6   | 7   | 8   | 9                             | 10   |
|---------------------------------|--|--|---|--|---|---|---|-------------------------------|--|
| Name of the Block/ Municipality | If prone to flood, mention number of people in vulnerable zone | If vulnerable to Cyclone, mention number of people likely to be affected in case of cyclone. | If vulnerable to Tsunami, mention number of people likely to be affected in case of tsunami | If vulnerable to landslide, mention number of people likely to be affected | If vulnerable to chemical/industrial disaster, mention number of people likely to be affected | People likely to be effected by other disaster, if any (mention disaster & number of people | Total no. of people given in columns 2 to 7 | Earthquake Vulnerability Zone | Priority ranking as per vulnerability to multiple disasters. |
| Balurghat                       | 2990   | 0  | 0   | 0  | 0   | 0   | 2990  | 0                             |  |

##### Flood/Cyclone Shelter

| Flood Shelter/<br>Cyclone Shelter   | Year of Construction | How many persons can be accommodated? | Number & Name of villages tagged with this shelter | Total tagged population | Difference between tagged population & capacity of shelter, If any | Remarks   |
|-------------------------------------|----------------------|---------------------------------------|--|-------------------------|--|---|
| Dakra Flood Shelter                 |                      | 200                                   | Dakra  | 350                     | 150  | 150 nos. of people may be accommodated at Nadipar Girls High School |
| Chakvrigu Vivekananda Flood Shelter |                      | 200                                   | Chakvrigu  | 400                     | 200  | 200 nos. of people may be accommodated at Nadipar NC High School    |
| Kalikapur Flood shelter             | 2018                 | 350                                   | Kalikapur, Phughara                                | 400                     | 50   | 50 nos. of people may be accommodated at Kalikapur High School      |

### Balurghat Municipality

| 1                                | 2  | 3  | 4  | 5   | 6   | 7  | 8  | 9                              | 10   |
|----------------------------------|--|--|--|---|---|--|--|--------------------------------|--|
| Name of the Block / Municipality | If prone to flood, mention number of people in vulnerable zone | If vulnerable to Cyclone, mention number of people likely to be affected in case of cyclone. | If vulnerable to Tsunami, mention number of people likely to be affected in case of Tsunami. | If vulnerable to landslide, mention number of people likely to be affected. | If vulnerable to Chemical/Industrial disaster mention number of people likely to be affected. | People likely to be affected by other disaster, if any (mention disaster & number of people) | Total number of people given in columns 2 to 7 | Earthquake Vulnerability Zone. | Priority ranking per vulnerability to multiple disaster. |
| Balurghat Municipality           | 60750 approx   | NILL   | NILL   | NILL  | NILL  | NILL   | 60750 approx                                   | NILL                           | Flood  |

| Flood shelter/ Cyclone shelter | Year of Construction | How many persons can be accommodated ? | Number & Name of villages tagged with this shelter | Total tagged population | Difference between tagged population & capacity of shelter If any. | Remarks |
|--------------------------------|----------------------|--|--|-------------------------|--|---------|
| Saheb kachari Utsab Bhaban     | 1988- 1989           | 4950                                   | 1,3,10,11,12,14,15, 20,22,23,24,25                 | 60750 approx            | 55800  |         |
| Hari Bhajan Prymary School     | 2001-2002            |  |  |                         |  |         |
| 3 No ward Comunity Hall        | 2005-2006            |  |  |                         |  |         |

### Kumarganj Block

| 1   | 2   | 3  | 4  | 5  | 6  | 7   | 8  | 9                             | 10  |
|---|---|--|--|--|--|---|--|-------------------------------|---|
| Name of Block / Municipality                        | if prone to flood, mention no. of people in vulnerable zone | if vulnerable to cyclone, mention no. of people likely to be affected in case of cyclone | if vulnerable to cyclone, Tsunami mention no. of people likely to be affected in case of Tsunami | if vulnerable to Land Slide, mention no. of people likely to be affected | if vulnerable to Chemical / Industrial Disaster, mention no. of people likely to be affected | People likely to be affected by other Disaster if any (mention Disaster & no. of people ) | Total no. of people given in column 2 to 7 | Earthquake Vulnerability Zone | Priority ranking as per vulnerability to multiple disasters |
| <b>Kumarganj</b>                                    | 48859   | 70000  | Nil  | Nil  | Nil  | Nil   | 118859                                     | Throughout Block area         | 1. Cyclone<br>2. Flood<br>3. Earthquake                     |
| Flood Shelter / Cyclone Shelter                     | Howmany persons can be accomodated                          |  | No. & Name of Villages Tagged with this Shelter  |  | Total Tagged Papulation  | Difference between Tagged Papulation & capacity of Shelter                                |  | Remarks                       |   |
| Gopalganj RN High School Flood Shelter at Gopalganj | 600   |  | Chakramroy, Jayantihar, Brahmapur, Tilna, Balupara North   |  | 3000   | 2400  |  |                               |   |

|                        |     |  |      |      |  |
|------------------------|-----|--|------|------|--|
| Baram Flood Shelter    | 150 | Baram, Radhanagar, Chak Baram, Beltara | 1700 | 1350 |  |
| Rasulpur Flood Shelter | 195 | Rasulpur, Sundarpur                    | 1000 | 805  |  |

### Disaster Management Vulnerability\_Gangarampur Dev. Block

| 1                          | 2  | 3   | 4  | 5  | 6   | 7   | 8  | 9                             | 10  |
|----------------------------|--|---|--|--|---|---|--|-------------------------------|---|
| Name of Block/Municipality | If prone to flood, mention number of people in vulnerable zone | If vulnerable to cyclone, mention number of people likely to be affected in case of cyclone | If vulnerable to tsunami, mention number of people likely to be affected in case tsunami | If vulnerable to landslide, mention number of people likely to be affected | If vulnerable to chemical/industrial disaster, mention number of people likely to be affected | People likely to be affected in by other disaster, if any (mention disaster & number of people) | Total number of people given in columns 2 to 7 | Earthquake vulnerability Zone | Priority ranking as per vulnerability to multiple disasters |
| Gangarampur                | 110516   | Nil   | Nil  | Nil  | Nil   |   | 110516   |                               | Flood   |
| NAME OF PANCHAYAT          | Number & name of villages tagged with this shelter             | Total tagged population   | How many persons can be accommodated?  |  |   | Difference between tagged population & capacity of shelter, if any                              |  | Remarks                       |   |
| BELBA RI-II                | LAXMITALA  | 1500  | 3500   |  | 1. POLYTECHNIC COLLEGE 2.NIRANJAN FLOOD shelter/cyclone shelter GHOSH SRITI H.S.              | 10000   |  |                               |   |
|                            | CHARULLYA  | 1500  |  |  |   |   |  |                               |   |
|                            | KADIGHAT   | 2000  |  |  |   |   |  |                               |   |
|                            | MAHARAJPUR   | 2500  |  |  |   |   |  |                               |   |
|                            | PATAN  | 3500  |  |  |   |   |  |                               |   |

|           |            |      |      |  |                               |      |
|-----------|------------|------|------|--|-------------------------------|------|
|           | BOALDAH    | 2500 |      |  |                               |      |
|           | THANGAPARA | 2500 | 1200 | THANGAPARA<br>HIGH SCHOOL  | 3300                          |      |
|           | JALALPUR   | 2000 |      |  |                               |      |
|           | MAHIPUR    | 1500 | 300  |  | MAHIPUR<br>JR. SCHOOL         | 1200 |
|           | PIRPAL     | 2000 | 300  |  | NARAYAN<br>JR. HIGH<br>SCHOOL | 1700 |
|           | NARAYANPUR | 3000 | 1200 |  | MALIPARA<br>TU H.S.           | 1800 |
| BELBARI-I | BELBARI    | 8000 | 400  |  | UTTAR<br>BELBARI<br>JR. H.S.  | 7600 |
|           | JOYPUR     | 7000 | 500  |  | SAYRAPUR<br>H.S.              | 6500 |
| SUKDEVPUR | ANANTAPUR  | 1200 | 200  | Anantapur<br>F.P School &<br>Others  |                               | 1000 |
|           | SINGFARKA  | 960  | 150  | Singfarka F.P<br>School &<br>Others  |                               | 810  |
|           | Mallikpur  | 1600 | 800  | Hossainpur Flood<br>Shelter, Hossainpur<br>Jr. HS, Shalbari<br>School  |                               |      |
|           | Hossainpur | 3000 |      |  |                               |      |
|           | KANTABAN   | 1862 |      |  |                               | 5662 |
|           | Joydevpur  | 1200 | 150  | Joydevpur<br>F.P School &<br>Health Centre   |                               | 1050 |
|           | Sukdevpur  | 7054 | 2000 | GP Office , Tant<br>Samity , Durga<br>Mandir , Sukdevpur<br>H.School ,<br>Bhagabanpara<br>Temple , Putimari<br>Temple , Begardhuri<br>Temple |                               | 5054 |

|           |              |      |     |                                      |      |  |
|-----------|--------------|------|-----|--------------------------------------|------|--|
|           | Jafarpur     | 1442 | 250 | Ramkrishnapur Jr.School , Lebutala , | 1142 |  |
|           | Bhoral       | 1726 | 150 | Bhoral F.P School                    | 1576 |  |
|           | KANTATAIR    | 3282 | 300 | Kantatair F.P School, Tarulata FPS   | 2982 |  |
|           | Debipur      | 2275 | 200 | Debipur F.P School                   | 2075 |  |
|           | Pargaon      | 521  | 100 | Pargaon F.P School                   | 421  |  |
|           | Akchha       | 1427 | 200 | F.P school & Others                  | 1227 |  |
| NANDANPUR | Jadabbati(E) | 827  | 600 | Sahabajpur Flood Rescue Centre       | 2193 |  |
|           | Jadabbati(W) | 630  |     | Sahabajpur Flood Rescue Centre       |      |  |
|           | sayrapur     | 1338 |     | Sahabajpur Flood Rescue Centre       |      |  |
|           | Tilna        | 1174 | 0   | Nil                                  | 1174 |  |
|           | Sahanali     | 862  | 100 | Bisrail H.S.                         | 762  |  |
|           | Hiranabati   | 580  | 100 | Bisrail H.S.                         | 480  |  |
|           | Bisrail      | 862  | 200 | Bisrail H.S.                         | 662  |  |
|           | Fatenagar    | 1534 | 0   | Nil                                  | 1534 |  |

|             |             |      |      |  |      |  |
|-------------|-------------|------|------|--|------|--|
|             | Korial      | 1838 | 0    | Nil  | 1838 |  |
|             | Bhaktipur   | 1074 | 0    | Nil  | 1074 |  |
| CHALOON     | Sidlim      | 705  | 0    | Nil  | 705  |  |
|             | Chaloon     | 2615 | 2615 | Chaloon jr Basic, chaloon adibasi fps, girja | 0    |  |
|             | Mirjapur    | 2512 | 2512 | Mirjapur fps, Mirjapur upper primary         | 0    |  |
|             | Basudevpur  | 1276 | 1276 | SI office , SSK , Church                     | 0    |  |
|             | Chaksree    | 778  | 778  | Chaksree fps , Banihari HS                   | 0    |  |
|             | Janchi      | 450  | 450  | Janchi fps , chaloon hs                      | 0    |  |
| JAHANGIRPUR | KHOJAPUR    | 937  | 1500 | Jahangirpur HS                               | 1746 |  |
|             | Kasba       | 1009 |      | Jahangirpur HS                               |      |  |
|             | Jahangirpur | 1300 |      | Jahangirpur HS                               |      |  |
|             | Mahurkismat | 3944 | 200  | Mahurkismat FPS ,Main Road                   | 3744 |  |
|             | kashimpur   | 1105 | 200  | Kashimpur FPS, Shibmandir ICDS               | 905  |  |
|             | Ilamtair    | 343  | 200  | Jahangirpur HS                               | 143  |  |

|               |             |               |              |   |              |  |
|---------------|-------------|---------------|--------------|---|--------------|--|
|               | fayejpur    | 562           | 200          | Panchayat Office  | 362          |  |
|               | Hekendar    | 82            |              | Panchayat Office  | 82           |  |
|               | Srinathbati | 781           | 150          | Srinathbati FPS   | 631          |  |
|               | Nehatair    | 503           | 300          | Enayetpur ssk   | 203          |  |
|               | Enayetpur   | 587           |              | Enayetpur ssk   | 587          |  |
|               | Keshabpur   | 1500          | 300          | Keshabpur FPS, Main Road  | 1200         |  |
| GANGARAMPUR   | DURGAPUR    | 1907          | 200          | Durgapur H. SFPS, ssk, msk  | 1707         |  |
|               | BISHNUPUR   | 2153          | 200          | Gopalpur Jr   | 1953         |  |
|               | KAMARPUKUR  | 2099          | 1500         | Puratan Gangarampur HS, Kamarpukur FPS  | 599          |  |
| BASURIA       | Hamjapur    | 5600          | 1500         | Doulatpur Jr HS, Keshabpur FPS, Basuria sr. Madrasa, Sarbamangala HS, Abeshkuri High Madrasa, Chakshibpur FPS | 4100         |  |
|               | Madhabpur   |               |              |   |              |  |
|               | Takipur     |               |              |   |              |  |
|               | Abidpur     |               |              |   |              |  |
|               | Antal       |               |              |   |              |  |
|               | Toushi      |               |              |   |              |  |
|               | Teliapara   |               |              |   |              |  |
| <b>Total:</b> |             | <b>110516</b> | <b>26981</b> |   | <b>83483</b> |  |

## KUSHMANDI BLOCK

| Sl . N o. | Name of the G.P.  | Name of the River and Khari | Name of the most vulnerable Mouzas  |
|-----------|-------------------|-----------------------------|---|
| 1         | <b>Akcha</b>      | Barobill & Vetnai Khari     | Krishnapur 1039, Tichlihar 121, Minapara 1106, Anantapur 1273, Pora Bagdol 276, Bagdole 681, Bateshwar 838, Goalgaon 1135, Ukhalia 2175.  |
| 2         | <b>Karanji</b>    | Tangan River                | Balashpur 531, Betahar 1542, Ujil 1080, Dhakdhole 1025, Shibkrishnapur 1257, Barokrishnapur 563.  |
|           |                   | Partly Tangan River & Khari | Nahit 3437, Karanji 2796, Choragachhi 549.  |
| 3         | <b>Udaypur</b>    | Tangan River & Tulai        | Kandaha 784, Pukurpara Raypur 584, Sherpur 515, Devipur 460, Salekhhkuri 622, Chandpur 457, Ayra 820, Palashbari 152, Achroil 530, Kanthail 100, Balarampur 516, Udaypur 1721, Padamkuri 541, Chousa 1748, Basudevapur 300, Moulai 395.   |
|           |                   | Maan River                  | Saraipur 319, Putohari Maheshpur 186, Jhagrapara 133, Purba Basoil 1118, Chandipur 1918, Bagduma 709, Mastoil 384, Kapuria 496, Bhelakuri 605.  |
| 4         | <b>Kushmandi</b>  | Tangan River                | Rampur 552, Joypur 310, Milanhat 338, Pachimpura 478, Nambhoil 222, Salkhoir 85, Mangalpur 905, Uttarpara 8052, Angaripara 237.   |
|           |                   | Khari & Tangan River        | Pathanpara 487, Barogachhi 622, Basoil 917, Kumruk 380, Buripukur 204, Ibrahimpur 192, Minapara 601, Banihari 1323.   |
| 5         | <b>Deul</b>       | Baliakhari                  | Beldanga 1104, Gopalpur 433, Isnail 1094, Subarnapur 447, Jugoti 313, Navore Titihi 326.  |
| 6         | <b>Beroil</b>     | Srimati River               | Mahatore 583, Dehaband 1660, Kachra 987, Sindurmuchi 308, Deokhanda 527.  |
|           |                   | Baliakhari                  | Harigram 883, Kalancha 270, Pupra 160, Sarala 2167, Bhaktipur 383, Deulbari 1031, Kuorbari 761, Beroil 1969, Ekdala 1310.   |
| 7         | <b>Kalikamora</b> | Tangan River                | Amlahar 623, Rosulpur 887, Punot 160 Dhandoil 204, Deulabari 489, Shibrampur 684, Narayanpur 449, Pharasapur 349, Poinala 609, Kalikamora-552, Jagannathpur 145.  |
| 8         | <b>Maligaon</b>   | Punarvaba River             | Gobrabill 331, Khanpur 280, Madhabpur Barogachhi 298, Sekendarpur 983, Jafarpur 229, Chandoil 720, Purba Mollapara 470.   |
|           |                   | Maan River                  | Panchhata 1541, Ramchandrapur 551, Kakoir 452, Randanga 256, Panchanagar 287, Raypur 540, Alampur 698, Jotjagannath 351, Jadavpur 204, Ekdala 219, Hanshnagar 450, Dikul 460, ChakHaripur 195, Bighore 133, Magura 77, Durgapur 860, Mahabullapur 569, Shikarpur 281, Kanthalhat 317, Gangajit 197, Maligaon 1002, Khamrail 191. Baro Kafurchand 891, Lohaganj 1745, Jotahar 640. |
|           |                   | Tangan River                | Chhoto Damodarpur 898, Usmanpara 39, Baro Damodarpur 752, Dopitha 352, Laxijal 157.   |

**Special attention may be laid upon the following embankments:-**

1. Palpara to Makdultala - Tangan River- (Kushamandi GP)
2. Rasulpur Colony - Tangan River- (Kalikamora GP)
3. Balarampur - Tangan & Tulai River - (Udaypur GP)
4. Mahishakuri Switch Gate - Tulai River - (Udaypur GP)



## Buildings or Sites deserving Heritage Status under Balurghat Sub-division tending to Natural Calamities

| Sl. No. | Name of the Heritage Building/Site | Address            | Significance   | Year of construction   | Block/Municipality | Whether prone to inundation (Y/N) | Whether located in landslide/EQ/Cyclone/Tsunami prone Zone. if so Specify | Whether sufficient fire fighting arrangement is there | Any Spl. Measures taken for disaster risk reduction, if any | REMARKS |
|---------|------------------------------------|--------------------|--|------------------------|--------------------|-----------------------------------|---|---|---|---------|
| 1       | Tilbhandeswar Mahadev Temple       | Madanabati         | Religious Place  | Around 1000 AD         | Tapan Block        | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |
| 2       | Bhikahar                           | Bhikahar           | 8 ft high huge deity of Mahismardini (or Buddhist goddess?) found  | Unknown                | Tapan Block        | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |
| 3       | Manoholi Jamindar Bari             | Manohali           | Unique Style of coherent Structure and striking costing of construction of foretime.   | In 1297 B.S.           | Tapan Block        | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |
| 4       | Tapan Dighi and adjacent Mound     | Tapan Chandipur GP | Lake dug by famous king Laxman Sen to offer Tarpana to his ancestors (actually for storage of water in drought prone area). Many stone structures found nearby. Dilapidated mound- dates back to Lord Buddha period. | Between 1178&1206 AD   | Tapan Block        | NA                                | Flimsy chances of Cyclone   | N   | Dredging work started                                       |         |
| 5       | Singhabahini Temple                | Khanpur            | Unique terra-cotta statues   | Around 13th Century AD | Balurghat Block    | Y                                 | Flimsy chances of Cyclone   | No  | Now abandoned   |         |
| 6       | Mohana Pancha-Shiva Temple         | Mohana             | Religious Place  | Around 1000 AD         | Kumarganj Block    | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |

| Sl. No. | Name of the Heritage Building/Site | Address    | Significance  | Year of construction         | Block/Municipality            | Whether prone to inundation (Y/N) | Whether located in landslide/EQ/Cyclone/Tsunami prone Zone .if so Specify | Whether sufficient fire fighting arrangement is there | Any Spl. Measures taken for disaster risk reduction ,if any | REMARKS |
|---------|------------------------------------|------------|---|------------------------------|-------------------------------|-----------------------------------|---|---|---|---------|
| 7       | Nazirpur Stupa (Mound)             | Nazirpur   | Related to history of Muslim Period   | Unknown                      | Balurghat Block               | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |
| 8       | Debogram                           | Debogram   | Cluster of old temples of Pala-Sena era and subsequent periods. A dozen of <i>Gouripat</i> discovered here. | Between 11 & 12th Century AD | Kumarganj Block               | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |
| 9       | Batun                              | Batun      | Birth Place of Sandhyakar Nandi, Writer of Ramcharita Manas   | Between 1084 & 1155 AD       | Kumarganj Block               | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |
| 10      | <b>Fatepur Mound</b>               | Fatepur    | Many stone sculptors & typically, ancient bricks found here   | Unknown                      | Tapan Block                   | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |
| 11      | Kardha Shiva Temple                | Kantabari  | Terra-cotta Temple of Hindu Goddess.  | During 17th Century AD       | Tapan Block                   | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |
| 12      | Poragachhi Temple                  | Poragachhi | Terra-cotta Temple  | Unknown                      | Tapan Block                   | Y                                 | Flimsy chances of Cyclone   | No  | No  |         |
| 13      | Town Bank                          | Balurghat  | Building of pre-independence time. Famous local bank before any Nationalized Bank comes in to picture.      | In 1913 AD                   | <b>Balurghat Municipality</b> | Y                                 | Flimsy chances of Cyclone   | Yes   | No  |         |
| 14      | Natya Mandir                       | Balurghat  | Old Theatre Hall( Estd. 1909) in commemoration of the noted dramatist Manmatha Roy.                         | In 1909 AD                   | Balurghat Municipality        | Y                                 | Flimsy chances of Cyclone   | Yes   | Reformed recently   |         |

## Buildings or Sites deserving Heritage Status under Gangarampur Sub-division tending to Natural Calamities

| Sl. No. |                     | Address               | Significance   | Year of construction   | Block /Municipality | Whether prone to inundation(Y/N) | Whether located in landslide/EQ/ Cyclone/Tsunami prone Zone.if so Specify | Whether sufficient fire fighting arrangement is there | Any Spl. Measures taken for disaster risk reduction,if any | REMARKS                |
|---------|---------------------|-----------------------|--|------------------------|---------------------|----------------------------------|---|---|--|------------------------|
| 1       | Sarvamangala Temple | Sarvamanagala Village | Found deities of 8 armed Mahismardini & 18 armed Chandi made of black stone  | During 14th Century AD | Gangarampur Block   | Y                                | Cyclone   | No  | No   |                        |
| 2       | Ata Sha's Darga     | Gangarampur           | Site associated with legendary Banraja. Excavation unveiled evidences of 3rd Century BC to 13th-14th Century AD. Square type stately Mausoleum found. 4 Arabic inscriptions traced Pala period Temples evidenced | During 14th Century AD | Gangarampur Block   | Y                                | Cyclone   | No  | No   | ASI protected monument |
| 3       | Bangarh             | Rajibpur Mouza        | Name after Banasur. Union place of Usha & Aniruddha Famous archaeological site excavated in 1938. Several dynasties ruled here. Archaeological remains of pre maurya, gupta, kamboja & pala - sena period exist. | Around 300 BC          | Gangarampur Block   | Y                                | Cyclone   | No  | No   | ASI protected monument |
| 4       | Nitpur Mosque       | Nitpur-Prasadpur      | Unique style of architectural structures. There once broke out a full-scale riot. One fragmentary inscription subsists   | During 17th Century AD | Gangarampur Block   | Y                                | Cyclone   | No  | No   |                        |

| Sl. No. | N   | Address      | Significance  | Year of construction                     | Block /Municipality | Whether prone to inundation(Y/N) | Whether located in landslide/EQ/Cyclone/Tsunami prone Zone.if so Specify | Whether sufficient fire fighting arrangement is there | Any Measures taken for disaster risk reduction,if any | Spl. Remarks |
|---------|---|--------------|---|--|---------------------|----------------------------------|--|---|---|--------------|
| 5       | Mound of Bhim                                   | Bhim         | Bearing memories of Kaibartya leader Bhim. Reminiscence of Kaibartya revolt of Divya too.   | Between 1072& 1075 AD                    | Kusman di block     | N                                | Cyclone  | No  | No  |              |
| 6       | Bairatta  | Bairatta     | Rich archaeological sites .Myth of Mahavarata related to it. Many stone idols found here like fragmented pieces of Chandi idol with Godhika( Iguana) at the Bottom. | Around 1000AD                            | Haripur block       | Y                                | Cyclone  | No  | No  |              |
| 7       | Mahipal Nilkuthi(Reminiscence of Indigo Revolt) | Mahipal      | Near famous Mahipal Dighi, it bears the memories of John Thomas & William Carey(1761 -1834).  | During 18th Century AD                   | Kusman di block     | Y                                | Cyclone  | No  | No  |              |
| 8       | Pancharath Temple                               | Mahurkis mat | Famous worship place of Lord Shiva and Lord Vishnu  | Unknown                                  | Gangaram pur Block  | Y                                | Cyclone  | No  | No  |              |
| 9       | Dhal Dighi                                      | Gangaram pur | 1.5 km long lake dating back to Pala Dynasty.   | Between 8 <sup>th</sup> &12th Century AD | Gangaram pur Block  | NA                               | Cyclone  | NA  | NA  |              |

## Mock Drill and training Plan in 2020 in Dakshin Dinajpur District

| Sl No.       | Subject                                     | Venue                                     | Proposed Month | Budget(Rs.)   |
|--------------|---|---|----------------|---------------|
| 1            | School Safety & Disaster management         | RTC ,Dakshin Dinajpur                     | July,2020      | 10000         |
| 2            | Climate change resilience                   | Balurghat College                         | August,2020    | 20000         |
| 3            | Concept of DRR                              | Indian Redcross Society Bhavan, Balurghat | September,2020 | 15000         |
| 4            | Evacuation Mock Drill on Earthquake         | Balurghat Mahila Mahavidyalaya            | October,2020   | 10000         |
| 5            | Mock Drill on Fire Emergency                | RTC ,Dakshin Dinajpur                     | November,2020  | 15000         |
| 6            | Gender mainstreaming in Disaster Management | Balurghat Mahila Mahavidyalaya            | December,2020  | 20000         |
| 7            | Women issues in Disaster Management         | Balurghat Girls High School               | January,2021   | 10000         |
| 8            | School Safety & Disaster management         | Buniadpur SDO office                      | July,2020      | 10000         |
| 9            | Climate change resilience                   | Buniadpur SDO office                      | August,2020    | 20000         |
| 10           | Concept of DRR                              | Buniadpur SDO office                      | September,2020 | 10000         |
| 11           | Evacuation Mock Drill on Earthquake         | Buniadpur SDO office                      | January,2021   | 10000         |
| <b>TOTAL</b> |   |   |                | <b>150000</b> |

## Plan for Procurement of machinery/instruments

| Sl No. | Item                        | Quantity |
|--------|-----------------------------|----------|
| 1      | Fire Extinguisher(ABC Type) | 33       |
| 2      | Electric Saw                | 10       |
| 3      | Floating Tube               | 20       |
| 4      | Gliding Rope (10 meter)     | 10       |
| 5      | CC TV Surveillance Camera   | 15       |

## **ANNEXURE : IV ( PHOTO GALARY)**

### **PHOTO OF FLOOD-2017**





## PHOTO OF FLOOD-2017



## **Photo of Mock Exercise on Earth Quake**