



Govt Of West Bengal



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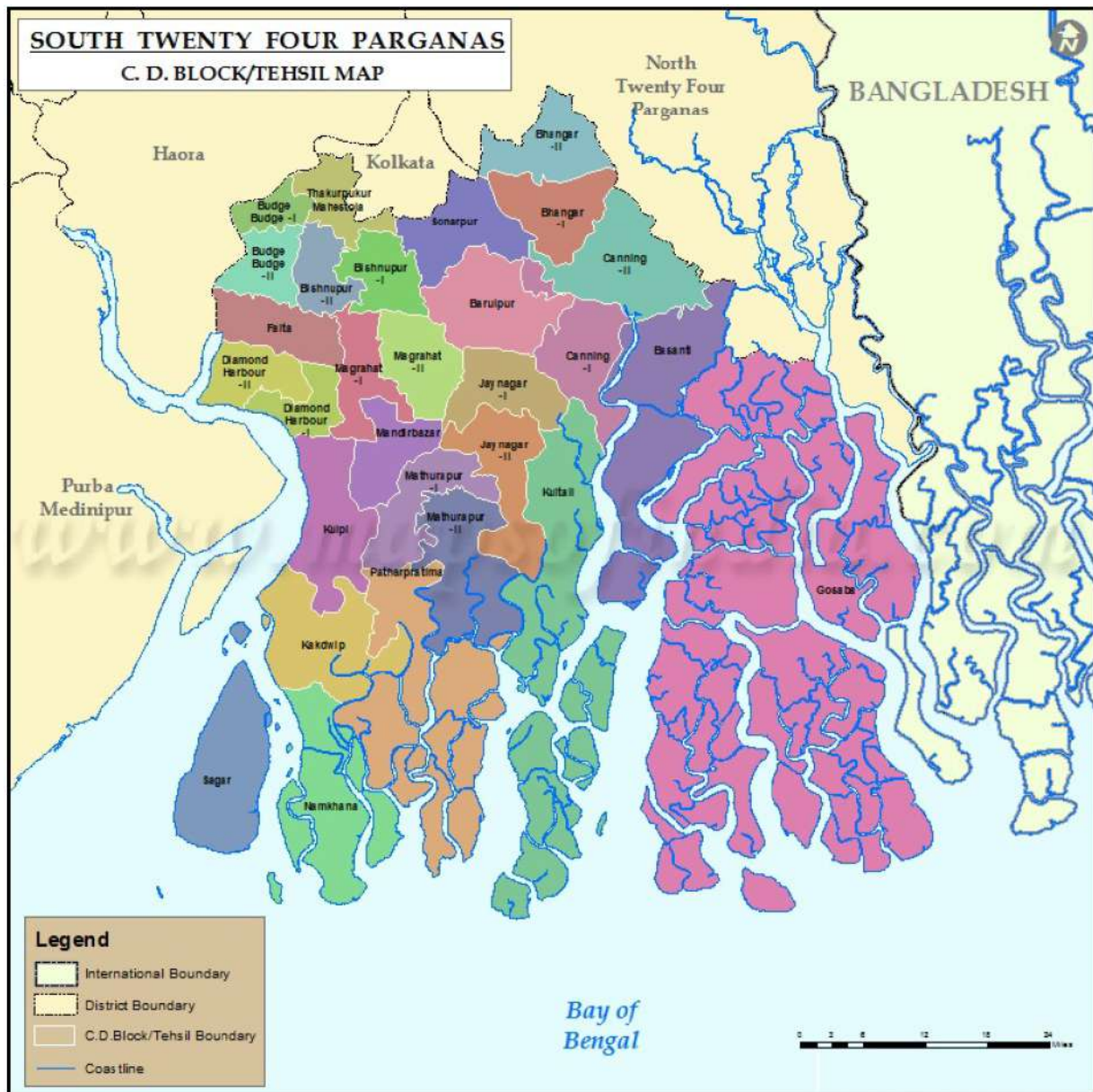


Disaster Management Plan, South 24 Parganas 2018-19



**DISTRICT DISASTER MANAGEMENT DEPARTMENT
GOVERNMENT OF WEST BENGAL
OFFICE OF THE DISTRICT MAGISTRATE, SOUTH 24 PARGANAS**

Administrative Blocks of South 24 Parganas District



Government of West Bengal
Office of the District Magistrate, South 24-Parganas
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PREFACE

Disaster Management Act, 2005 mandates for the development of District Disaster Management Plan for every districts of the country. The plan of today marks a shift from a mere response based approach to a more comprehensive Preparedness, Response and Recovery approach in order to negate or minimize the effects of several forms of hazards by preparing better.

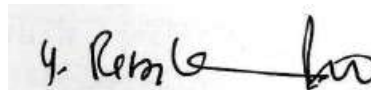
The differences in geographical characteristics and climate conditions changes the impacts and type of hazards in every district and also, within the district. In order to better deal with this, it necessitates making good assessment of the Hazards, Vulnerabilities and Capacities in different parts of the district. Finally, a very comprehensive Hazard, Vulnerability, Risks and Capacity Assessment (HV RCA) was conducted by the District Administration of 24 Parganas (South).

Situated at the funnel shaped bay head in the eastern sea board of India, South 24 Parganas, the largest District of West Bengal is a home of more than 81 (eighty one) lakh people and hundreds of species of animals, birds and plants. Owing to its unique geographical locations, the entire Sundarban Biosphere reserve and 13 thickly populated riverine Blocks of the District are under constant threat of powerful norwester, Bay Cyclone, Tidal surges constant changes of courses by the numerous distributers in the active part of delta and obviously flood. The basin like Islands till date protected by long embankments which are very old and are being weakened everyday by the currents that scour at their dresses and tidal surges coupled with strong winds. It is basically a district of Islands interspersed by many streams and innumerable distributaries and fearfully wide tidal creeks.

The district of South 24 Parganas is vulnerable to disasters - both natural and man-made. Contiguous to the district of Kolkata, it has a unique urban-rural continuum in its human settlements. At one end of the scale we have forty one wards of the Kolkata Municipal Corporation and at the other end there are remote islands deep in the Sundarban. In between there are municipalities, blocks, villages and scattered hamlets.

Keeping all this in mind it is necessary to prepare the Multi Hazardous Disaster Management Plan that would help in crystallizing our vision to combat any coming disaster. We have tried to present frequently required data, contact information to have a clear picture of requirement level of preparedness to combat any crisis. We have intended to be easily comprehensible and useable –we hope to have succeeded. I would like to my sincere thanks to Sri Shyamal Kr. Mondal, WBCS (Exe.), Addl. District Magistrate (Disaster Management), Smt. Sharmistha Ghosh, WBCS (Exe), Officer in Charge of District Disaster Management Department, Sri Krishnapada Raptan, District Disaster Management Officer, South 24 Parganas and Sri Sumanta Das, District Disaster Professional, South 24 Parganas who have worked in the background liaison between different departments arranging for meetings and also the Disaster Management Department of the Collectorate.

However, in spite of these threats and weaknesses the people know that they will have to live with the disaster and they have the will force and unchanging determination to combat any disaster side by side with the administration and that is our main strength. We believe that it will fulfill its objective of acting as a ready reckoner and the best documents for managing disaster.



(Y. Ratnakara Rao, IAS)
District Magistrate
South 24 Parganas

ACKNOWLEDGEMENT

As a part of the ongoing programme under the overall supervision of the Department of Disaster Management, Government of West Bengal and supported by the United Nation Development Programme; it was imperative upon us to prepare a comprehensive District Disaster Management Plan. The plan envisaged to spell out proper guidelines to the various aspects of the Disaster Management Programme as well as to act as a ready reckoner and handy reference for the preparation of the Sub-division, Block, Gram Panchayat and Village level disaster management plans. It would also give the necessary inputs as to how to react to a disaster in case of line departments and to let out in clear terms the trigger mechanism to be adopted under any condition of sudden disaster.

This year, keeping in view to prepare ourselves against of different types of disaster, we have prepared the Multi Hazardous Disaster Management. Hope this will be of assistance to those working for the mitigation of disaster in different spheres of society.

Shyamal Kumar Mondal .

[Shyamal Kr. Mondal, WBCS (Exe.)]
Additional District Magistrate (Gen)
South 24 Parganas

Chapter 1: Introduction

General

Disaster threatens sustainable economic development worldwide. In the past twenty years, earthquakes, floods, tropical storms, droughts and other calamities have killed millions of people, inflicted injury, disease and caused homelessness and misery across the world. Disaster destroys decades of human effort and investments, thereby, placing new demands on society for reconstruction and rehabilitation. Disaster management thus, requires multi-disciplinary and proactive approach. The community, civil society organizations, media and the proverbial man on the street, everyone has to play a role in case such exigency occurs. Natural disasters like earthquake, land slide, flash-flood, flood drought and cloud burst affects life, property and environment and hampers the normal developmental processes.

Need of the plan

India in general is one of the most hazard prone countries in the world. 60% of the country is prone to earthquakes of moderate to high intensity, 40 million hectares is prone to floods, 5,700 km long coast is prone to cyclones and tsunamis and the whole of Himalayas are prone to landslides. The district of West Champaran in particular is one of the 312 Multi-Hazard Prone districts in India. As a result, it was important to develop a plan that improves district's response to disasters while improving its ability to mitigate the disaster risks and increasing community's resilience by implementing the preparedness plan. State is responsible for responding to disasters through its district level Incident Response Team for the disaster site, while Centre is responsible only in providing extended support or guidance or external resources and additional help as desired, in case of any major disasters on the request of support from the state. Thus, it was deemed important to put a plan in place for dealing with disasters in an organized way with all the stakeholders well aware of their role in responding or preparing for disasters.

Scope of the plan

The disaster planning process has evolved significantly and taken more importance in the last decade as a result of emergencies and disasters having a greater impact on government industry and agriculture and livelihoods. Today, organizations have an abundance of emergency planning resources and training options available to them. Cooperation between government and industry in the planning process is also high. Consequently, there presently exists an excellent opportunity for organizations to increase their level of preparedness & mitigation. Most experts today advocate a comprehensive "all hazards" approach to emergency preparedness. A comprehensive emergency response plan that takes into account potential natural, technological, and manmade threats and involves key personnel in the planning process can assist an organization to systematically manage emergencies in an effective and efficient manner. The planning process is a key element that forces District Magistrates and staff to explore viable options that can be employed in the event of an emergency or disaster. These contingencies can ultimately help to save lives, reduce property loss, as well as lessen an organization's potential liability.

Objectives of the plan

The first and foremost objective of Disaster management plan is to localize a Disaster and contain its effect to the greatest extent so as to minimize its impact on life, environment and property. Response to Disaster, in the absence of a well-defined plan, would be arbitrary, leading to overemphasis of some actions and absence of other critical actions. A formal plan for managing Disaster is, therefore, necessary. Keeping in view, the possible aspects of calamities in mind and to keep the District Administration, and all the stake holders prepared in all possible ways to respond properly to various Disaster situations within shortest possible time this plan was prepared. Our main aim is to reduce vulnerability and also to minimize the destruction caused by all of these types of Disaster, be it natural or manmade.

There are a lot of stakeholders involved in Disaster Management Plan of any district. One of the main objectives is to form a synergy between all the stakeholders, so that during a calamity everyone has a defined role and knows what is expected of them. The district administration has realized the necessity

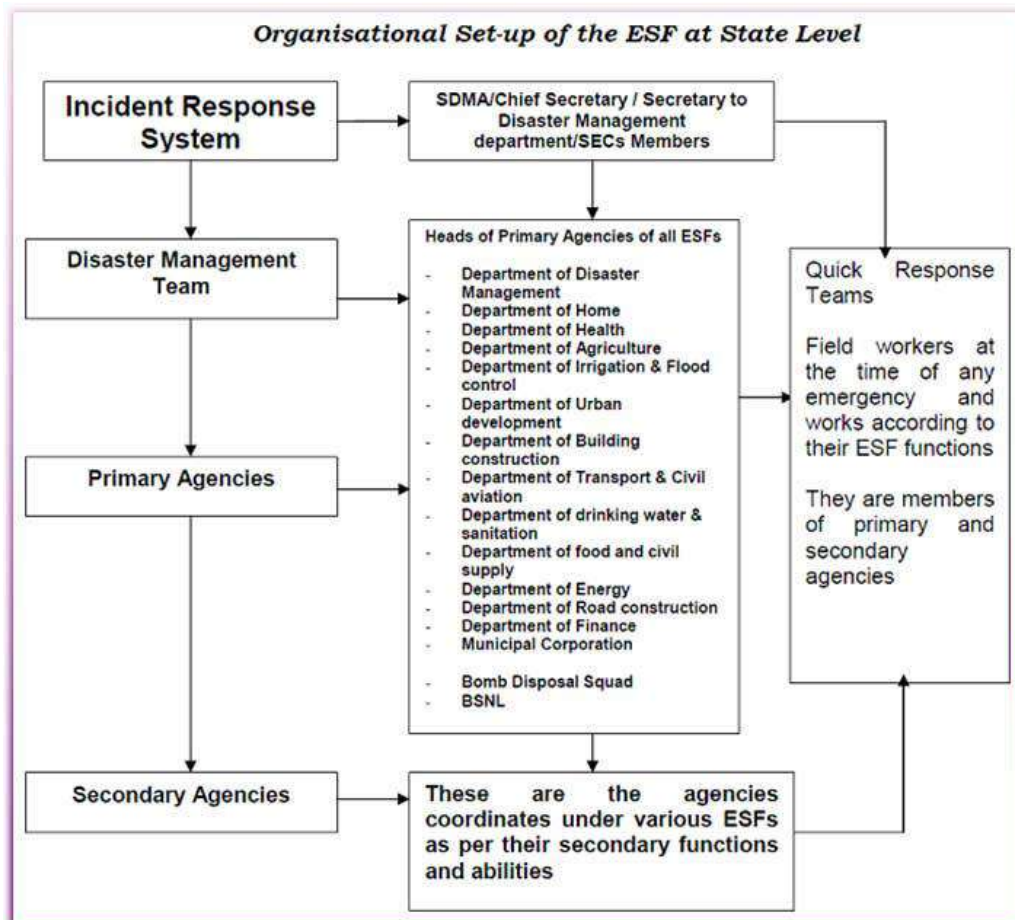
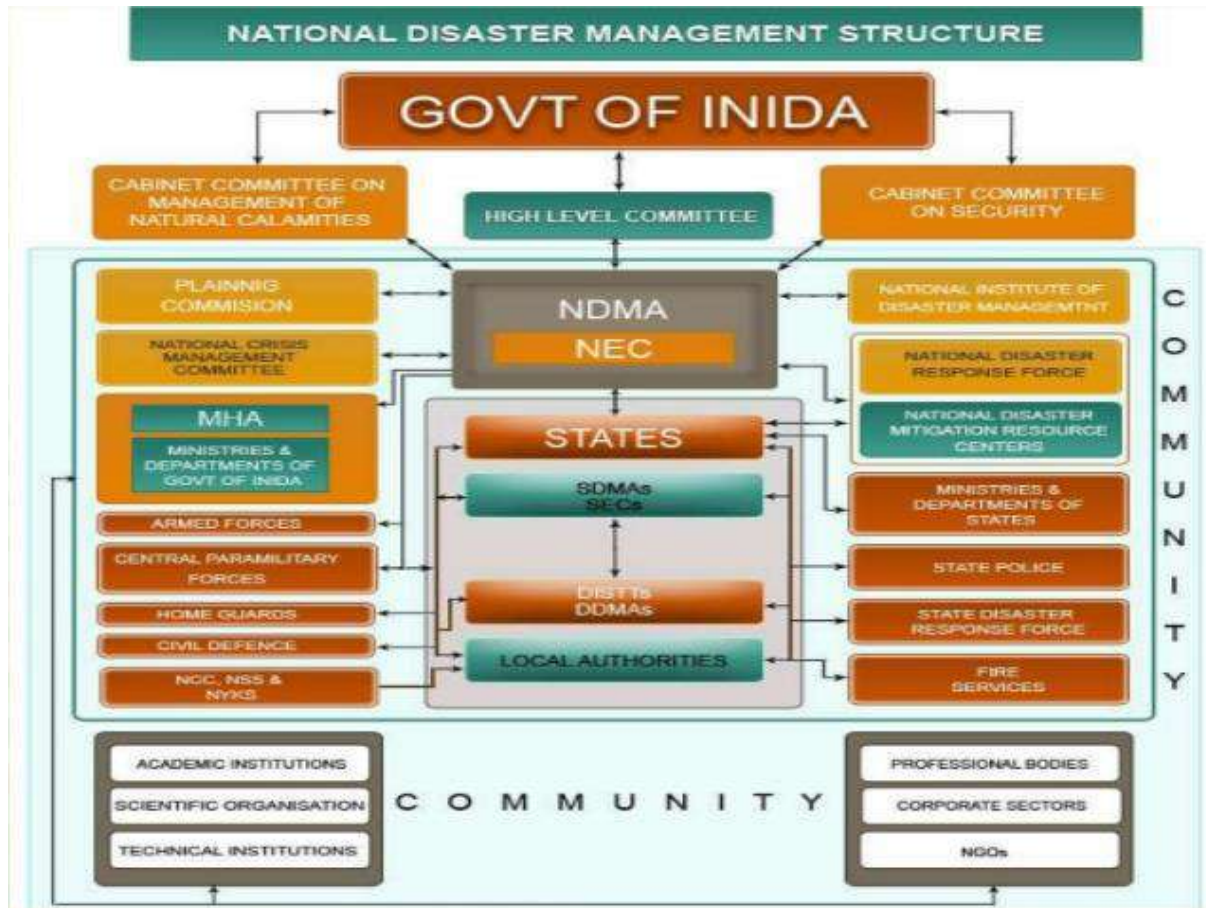
to compile a plan to prevent and minimize the loss and also to facilitate quicker recovery during the emergency for any kind of natural calamity. This plan will act as a guidebook which can help district administration, local administration and all the stake holders to prepare for any kind of emergency in order to safeguard lives and property.

The following key objectives are given.

- 1) To identify areas in the district those are prone to natural and manmade disasters.
- 2) To understand the existing coping mechanisms/capacities and vulnerabilities of the community by conducting panchayat level assessment exercise.
- 3) Identify the measures that ought to be taken by line department at the district and block level for prevention and mitigation of disasters.
- 4) To build awareness among different stakeholders both at the administrative as well as community level by directly engaging them in the process of district disaster management planning.
- 5) Identify various existing development schemes that could be implemented for mainstreaming DRR in development.
- 6) Highlight the need and specify key areas for improving disaster resilience by awareness, training and capacity-building of the community.
- 7) Highlight the need and specify key areas for capacity building of officials, training of trainers and training of specialists that includes engineers, architects, masons, etc.
- 8) Specify the preparedness measures required to be undertaken by the district administration right to the panchayat level so as to be able to better respond to any threatening disaster situation or disaster.
- 9) To prepare the response plan for quick and effective response by:
 - a. Allocation of responsibilities at various levels of administration, i.e., district, sub-division, block and panchayat level.
 - b. Timely procurement of essential resources.
 - c. Establishing of communication links.
 - d. Establishing an Emergency Operation Centre.
 - e. Dissemination of information to the public.
- 10) To establish the reconstruction, rehabilitation and recovery plan so as to restore the vital life support systems to minimum operating standards while continuing to rehabilitate to atleast the original standards.

This Plan is designed to mitigate the effects of disaster and emergency situations and to provide a framework for helping people at risk to avoid a recover from the impact of the disaster. Managing disasters includes steps to be taken prior to, during and after the disaster and involve preparedness, mitigation, response and recovery.

Organizational Structures and Committee of NDMA, SDMA and DDMA



Chapter 2: Methodology for Action

Process and Methodology adopted to develop the DDMP

District Disaster Management Planning has often been criticized to be comprising of guidelines rather than actionable plans. It has also been criticized to be incomplete in its very approach for either non-involvement of communities (the victims of disasters) or completing mere formality by extrapolating the findings of too small a sample size to the entire district.

District Disaster Management Authority, 24 Parganas (South) is working to develop the plan more inclusive. The term 'inclusive' points to a wider community outreach, greater ownership by district's administrative officers and institution based focus to address safety issues.

The DDMP process is thereby bringing legitimacy to the entire process. The entire process was divided into three phases as Predisaster activities, during disaster activities and post disaster activities which were mainly focused on the following parameters:

- Disaster Preparedness
- Disaster Risk Reduction
- Hazard, Vulnerability, Risks and Capacity Assessment.
- Disaster Response
- Recovery and Evacuation

The Disaster preparedness component of the District Disaster Management Plan is the most critical one which has been brought in focus after framing of the Disaster Management Act, 2005. It focuses on mainstreaming disaster risk reduction (DRR) in development planning by streamlining disaster sensitivity in development projects implemented through various programmes and schemes.

In the scenario where funds are limited and projects sites have to be chosen within the district, disaster preparedness also underlines the need for selecting project sites keeping vulnerability quotient to disasters in view. Thus, it suggests prioritizing project selection sites based on this factor.

Preparedness plan also focuses on building awareness and building capacities through training of both community and administration to better respond to disasters as well as to build capacities to implement such projects that can be useful to prevent disasters or mitigate risks.

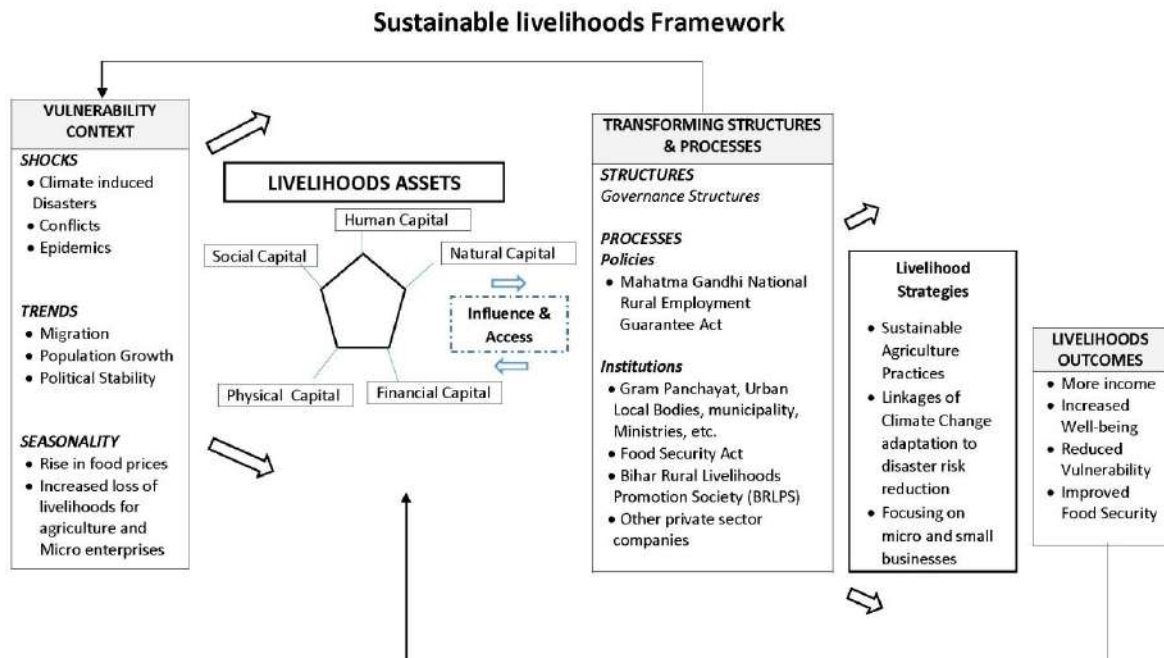
Finally, focus is also paid on building resilience to deal with disasters by improving coping mechanisms and enhancing existing and diversifying to new source of livelihoods to decrease potential risks that poverty throws at communities.

The **preparedness** plan should include the following activities:

- **Effective Communication System Networks**
- **Preparedness by General Staff of the department and associated all the stake holders.**
- **Procurement, Inventory, Transportation & Distribution Management**
- **Setting up of Civil Defence**
- **Establishment of Emergency Operation Centre (EOC)**
- **Identification of Stakeholders for Disaster Response**
- **Early Warning System (EWS)**
- **Awareness, Training & Capacity Building**
- **Emergency Support Functions and Preparedness**
- **Crowdsourcing and Media Management**

The **Disaster Risk Reduction Plan** (DRR) contains all activities and measures that, if performed, support the district towards reducing the risks of disasters including those associated to changes in the weather pattern – or, in other words, climate-induced hazards. This risk reduction strategy is implemented with key line departments and on the basis of block level assessment report. The DRR Plan is related to a sustainable strategy as it links disaster management with development and requires the involvement of multiple stakeholders for its effectiveness. The DRR activities are supported by various stake holders like District Emergency Operation Centre, The District Crisis Management

Group etc. A record with the stakeholders for disaster response is not readily available within the district administration. This is a critical element when it comes to preparedness.



One of the main objectives of a **Hazard, Vulnerability, Risks and Capacity Assessment (HVRCA)** is to enhance the understanding of the district administration and other stakeholders on the priority areas that need attention when it comes to disaster risk reduction and thus to sustaining previous developmental achievements as well (District Disaster Management Plan (DDMP) Model Framework by National Disaster Management Authority (NDMA)).

To assess the HVRC effectively, first we should identify the type of hazards, it's periodical overview and direction. Therefore, predict and monitor it's vulnerability and potential risks over social, Environmental and Economical point of view and finally, establish a set up for capacity building. The inter-relationship between Hazards, Vulnerability and Risks are depicted in the below figure.

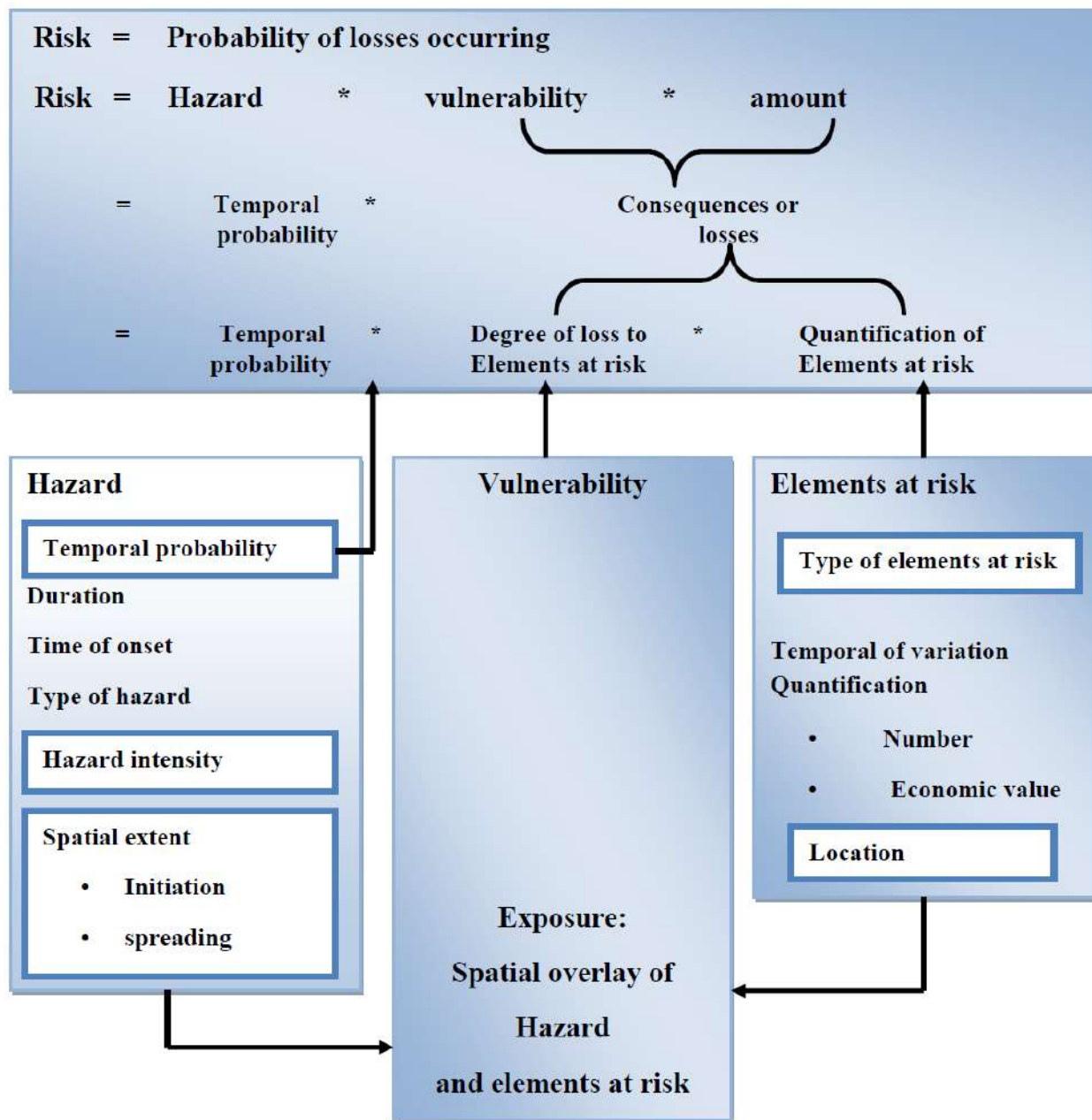


Fig: Inter-relationship between Hazards, Vulnerability and Risks

The final goal of HVRCA is to assess, monitor and reduction of disaster risks and improving coping capacity in terms of structural and non-structural measures that focuses on emergency preparedness (e.g. awareness raising, early warning systems etc), inclusion of risk information in long term (land use) planning and evaluation of most cost-effective risk reduction measures. In the entire risk management framework, spatial information plays a crucial role, as the hazards are spatially distributed, as well as the vulnerable elements-at-risk.

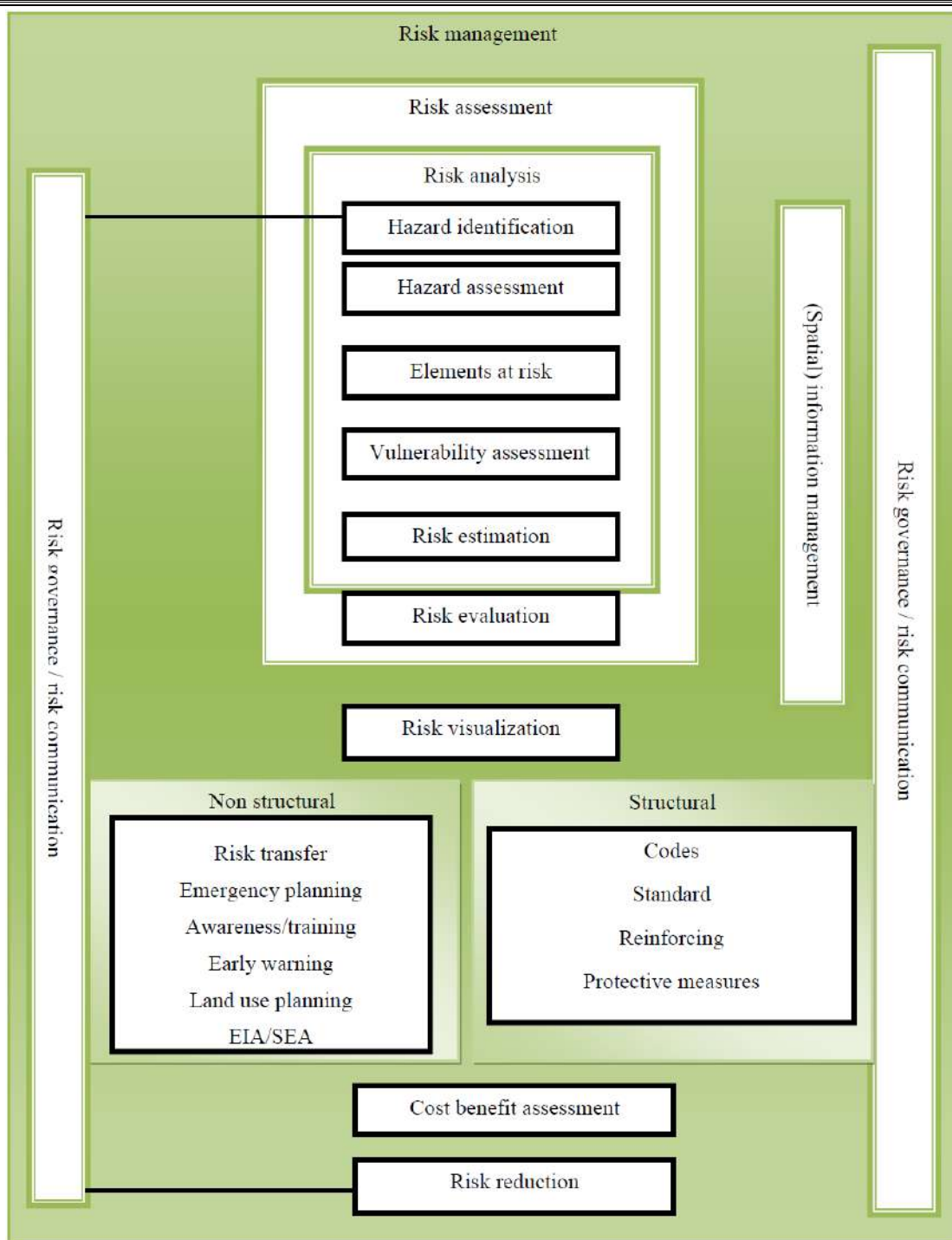


Fig: Combined Strategic framework for Action towards Hazards, Vulnerability, Risks and Capacity Assessment

Declaration of disaster and activation of **response and relief** activities is based on the severity of disasters. To do so, first priority is to determine whether the resources are sufficient to cope with the severity of disaster or not. If the situation is beyond the coping capacity of community in the affected area then a disaster shall be declared at different levels. As per the National Disaster Management Authority guidelines, these scenarios are of 4 levels that are Level 0 (L0), Level 1 (L1), Level 2 (L2) and Level (L3).

Level 0 :

L0 denotes normal times which are expected to be utilized for close monitoring, documentation, prevention, mitigation and preparatory activities. This is the planning stage where plans at all levels from community to the state shall be put in place. Training on search and rescue, rehearsals, evaluation and inventory update for response activities will be carried out during this time.

Level 1:

L1 specifies disaster that are localized. One or few sectors/areas blocks of activity are affected. It can be managed at the district level, however, the state and centre will remain in readiness to provide assistance if needed. The following actions required to be taken during this level.

Sr. No.	Actions	Responsible Dept./Agencies	Time frame
1.	District Magistrate shall declare disaster of L1 in consultation with members of DDMA	DM	Immediately
2.	Activate District Emergency Operation Centre along with Block and Circle level Control Rooms	DDMA	Immediately
3.	Activate Incident Response System at District Level and notify state authority	DDMA	Immediately
4.	Conduct Meeting of members of DDMA along with head of line departments and other stakeholders	DDMA	Immediately
5.	Mobilize the resources available in the district	DDMA & line departments	Immediate
6.	Contact local humanitarian organizations for their assistance for immediate support	DEOC	Immediate
7.	Take updates from the incident area and update the same District Administration	DEOC	Within 2 hours
8.	Conduct Rapid Damage and Needs Assessment and circulate to all concerned	DDMA	Within 2 hours
9.	Media briefing about the scenario	DDMA	Within 2 hours
10.	Prepare detailed assessment report	DEOC	Within 24 hours
11.	Withdrawal of declaration of disaster on normalization of the situation.	DM	As on normalization of the situation

Level 2:

L2 specifies disaster situations that may require assistance and active participation of the state, and the mobilization of resources at the state level. Humanitarian needs are of a sufficiently large scale and complexity that significant external assistance and resources are required. Multi-sectoral response is needed with the engagement of a wide range of humanitarian actors. In L2, the district level resources are insufficient; however the disaster can be managed with state-level resources.

Sr. No.	Actions	Responsible Dept./Agencies	Time frame
1.	District Magistrate shall declare disaster in consultation with members of DDMA and call for further assistance of State Government	DM/BSDMA/DDM	Immediately
2.	Activate District Emergency Operation Centre along with Block and Circle level Control Rooms	DDMA/ DMD	Immediately
	Activate Incident Response System at District Level and notify state authority	DDMA	Immediately
3.	Conduct Meeting of members of DDMA along with heads of line departments and other stakeholders	DDMA	Immediately
4.	DMD SDMA shall activate State Emergency Operation Centre and notify national authority	BSDMA/DMD	Immediately
	DMDSDMA shall mobilize State and National Disaster Response Force teams and their other resources to affected districts	BSDMA/DMD	Immediately
	Contact humanitarian organizations for their assistance for immediate response	BSDMA/DMD	Immediately
5.	Establish Staging area to collect mobilized resources for deployment to the affected area	DDMA	Immediately
6.	Set up Incident Command Post to monitor and operationalize field activities	DDMA	Immediately
7.	Establish transit camps and temporary shelters and provide all necessary support through response teams	DDMA	Immediately
8.	Conduct Rapid Damage and Needs Assessment and circulate to all concerned	DDMA	Within 2 hours Later
9.	Media briefing about the scenario	BSDMA	Within 2 hours
10.	Prepare preliminary assessment report	DDMA and BSDMA	In first 24 hours
11.	Conduct detailed damage and needs assessment report	DEOC/DDMA	Within 24 hours
12.	Maintain coordination with all stakeholders and keep updating all about situation	DEOC	Ongoing
13.	Withdrawal of declaration of disaster on normalization of the situation.	BSDMA/DMD	As on normalization of the situation

Level 3:

L3 disaster situations arise from large scale disasters where districts and the state may not have the capacity to respond adequately and require assistance from the central government for reinstating the state and district machinery. Humanitarian needs are of a sufficiently large scale that significant external assistance and resources are required. Multi-sectoral response is needed with the engagement of a wide range of international humanitarian actors also.

Sr. No.	Actions	Responsible Dept./Agencies	Time frame
1.	Prime Minister shall declare a calamity of sever nature as 'National Calamity' and call for further assistance from national and international stakeholders for immediate response	PM	Immediately
2.	Activate Incident Response System at District, State and National Level	DEOC	Immediately
3.	Activate State and National Emergency Operation Centre	NDMA and BSDMA DMD and MHA	Immediately
4.	NDMA shall mobilize National Disaster Response Force teams and resources to affected districts	NDMA MHA	Immediately
5.	Establish inter agency groups to have uniform and well-coordinated response	NDMA	Immediately
6.	Establish Staging areas to collect mobilized resources for deployment to the affected area	DMD/BSDMA and DDMA	Immediately
7.	Set up Incident Command Posts to monitor and operationalize field activities	SDMA and DDMA	Immediately
8.	Establish transit camps and temporary shelters and provide all necessary support to the affected communities through response teams	SDMA and DDMA	Immediately
9.	Media briefing about the scenario	NDMA	Within 2 hours
10.	Convene a regional Inter Agency Group meetings with relevant sector/cluster leads to: <ul style="list-style-type: none"> • discuss coordinated approach • outline priority needs • detail immediate response plans • agree on assessment mechanism, notably joint Rapid Damage and Needs Assessment (Refer Point no- 7) 	NDMA	Within 2 hours
11.	Maintain coordination with all the stakeholders and keep updating all about situation	SEOC and DEOCs	Ongoing
12.	Prepare preliminary assessment report	IAGs	In first 24 hours
13.	Conduct detailed damage and needs assessment report	BSDMA and DDMA	In first 48 hours
14.	Plan for rescue and relief operations in affected areas	BSDMA and NDMA	In first 72 hours
15.	Withdrawal of declaration of disaster on normalization of the situation.	PM	As on normalization of the situation

Activation of Response:

The disaster response plan is activated shortly after the receipt of an early warning or on the information of an emergency. Activating the response plan means setting in motion command, coordination, and management of the situation. The activities described in the following standard operating procedures (SOPs) are to be initiated immediately to ensure that loss and damage are minimized. One SOP is in the case where early warning is available, the other when there is no early warning, thus the activation of the response depends on the type of the hazard and its impact.

Scenario 1 – With Early Warning:

1) Nodal agencies responsible for forecasting extreme weather events (like flood and cyclone) issue alerts and warnings accordingly to the District Emergency Operation Centre,

which can be directly or via State Emergency Operation Centre.

2) As soon as alerts and warnings have been received, the District Emergency Operation Centre has to be fully activated with minimum 3 staff member, communication system such as telephone, mobile phones, VHF, radio, wireless etc.

Maintain following;

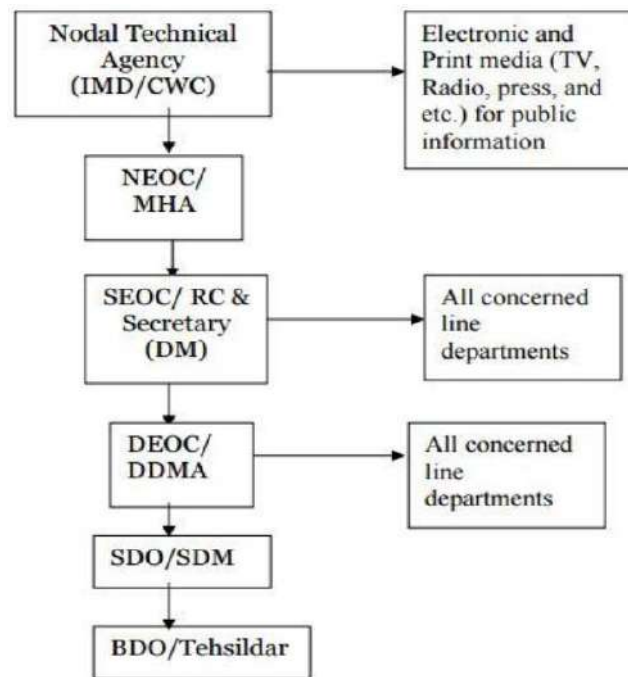
- Maps of highly vulnerable panchayats
- List of hospitals with their contact number
- Contact number of line department
- Call log register

3) First and foremost task is informing the community likely to be affected by the disaster through the warning system set in place (the process of ensuring that warning information is disseminated to the communities is explained further in the Information Dissemination section).

4) The District Emergency Operation Centre activates the district/sub-division/block level administration to deploy all necessary manpower and resources to respond to the situation.

5) The District Magistrate calls upon the District Crisis Management Group (explained under the section District Crisis Management Group) to proceed with the necessary preemptive measures, which may include people's evacuation from risky areas. A comprehensive Standing Order, listing all necessary preemptive measures based on the warning, is then prepared.

6) Thereafter, follow up action has to be undertaken by all concerned at all levels, encompassing the District Emergency Operation Centre and the sections involved in the Incidence Response System.



Scenario 2 – Without Early Warning:

In disaster situations where no early warning signals are available, the primary objective is to mount immediate rescue and relief operations as quickly as possible. The following procedure will be followed in such situations:

1) The field functionary at ground zero informs the District Emergency Operation Centre and the District Magistrate of the emergency/disaster.

2) The District Emergency Operation Centre has to be fully activated for managing the disaster. With minimum 3 staff member, communication system such as telephone, mobile phones, VHF, radio, wireless etc.

Maintain following;

- Maps of highly vulnerable panchayats
- List of hospitals with their contact number
- Contact number of line department
- Call log register

3) The District Magistrate informs the State Emergency Operation Centre/State Disaster Management Authority and seeks external assistance if required. The FIR is submitted to State and National Emergency Operation Center.

5) The District Crisis Management Group meeting is realized, where the teams associated to the IRS and the team to conduct the Rapid Damage and Needs Assessment are deployed.

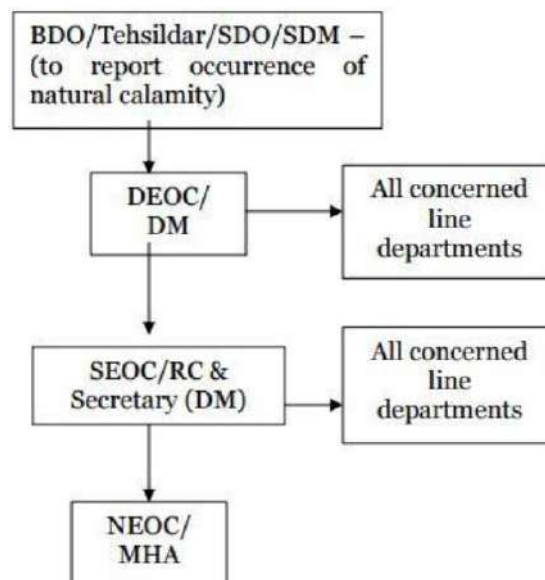
6) Search and Rescue Teams and Medical and Paramedical teams have to be deployed as required by the situation.

7) The District Magistrate has to review the situation and activate coordination, command and control.

8) Regular meetings of DDMA are convened to review the situation.

9) Line Departments and other agencies work towards restoration of basic services and infrastructure such as power, telecommunication, surface transport, etc, as well as for supply of food, drinking water, and other materials.

10) Thereafter, follow up action has to be undertaken by all concerned at all levels.



Information Dissemination:

The information dissemination is a system for the district administration to communicate early warning to communities in the vulnerable panchayats. Based on the type of hazard, the District Magistrate is responsible to send a warning to the specific areas at risk (please refer to the HVCA Report). Therefore, the information dissemination flows like that – the District Magistrate (DM) and the Assistant District Magistrate (ADM) communicate the Block Development Officers (BDOs) and Circle Officials (COs), who, in its turn, ensure that the early warning information is disseminated to the communities through the Village Secretaries.



The dissemination of information is the most critical function in order to give early warning to the district administration to put them on high alert to prepare for response and to alert the community. It has to be fast in order to give reasonable amount of time for communities to prepare for any eventuality. Due consideration has to be given to the points mentioned below before sending across the information.

1. Information dissemination will be done to all the important stakeholders (as given below in the information dissemination format) at the Panchayat level in rural areas and Nagar Parishad and Nagar Panchayat level in urban areas for early warning communication.
2. Making use of the fastest means to communicate the message in the most lucid manner so as to prevent spread of rumor and panic among the masses. Bulk Voice SMS Service is the best means of communication to large masses without any effort and within no time. A voice recorded message from the District Magistrate from his/her official number shall be sent to the database of numbers identified for information dissemination. A number of private parties deliver Bulk Voice SMS service at very low cost.
3. The communication can be done to all the identified stakeholders of the district, block and panchayat depending on the possibility of the coverage of the disaster.
4. All the members identified for information dissemination must ensure spreading warning information irrespective of the time of the day and their availability in their panchayats / nagarparishad / nagar panchayat.

According to the terminology by the United Nations Office for Disaster Risk Reduction (UNISDR), while response is the ‘provision of emergency services and public assistance during or immediately after a disaster’¹, the ‘division between the response stage and the subsequent recovery stage is not clear-cut’. Some activities start during the response stage and go beyond to the relief one. Additionally, stating when the response has finished is more related to certain conditions met, rather than how much time has passed since it started. Some measures help to indicate when the district is moving towards the **Recovery**:

- life-saving efforts, such as Search and Rescue, are nearing completion;
- emergency social services and mass care are established (health, shelter, food and water) in the impact area;
- initial assessment of damage complete for critical infrastructure including roads, railways, airports, buildings and systems;
- services restored to essential critical infrastructure;
- establishment of staging areas with movement of relief supplies, response personnel and other critical resources and goods into the impact area;
- planning for recovery underway and key elements are ready to or are activated; etc.

The recovery stage encompasses the **rehabilitation / Evacuation** and **reconstruction** of the district and ‘should be based on pre-existing strategies and policies that facilitate clear institutional responsibilities for recovery action and enable public participation. The importance of the recovery lies in the valuable opportunity that it holds for building back better or, in other words, implementing measures to reduce the disaster risk to lower levels than previously. In view of this, the recovery is ‘the restoration, and improvement where appropriate, of facilities, livelihoods and living conditions of disaster-affected communities’.

The Recovery Plan is, therefore, focused on building back better by putting in place a coordination mechanism for the activities that need to be performed from over a short-term to medium/long-term recovery period.

Immediate Recovery Process:

The Damage and Loss Assessment is the first and critical component to identify what is the extent of recovery required to be done to bring normalcy to the district. This component lays the foundation for setting the priorities of the recovery stage (see the annexure for an example of format of the assessment).

The immediate or short-term recovery goes from a day to a month, depending upon the extent of the disaster, the damage caused, and the activities necessary to overcome the situation. Then, based on the findings from the Damage and Loss Assessment, the district administration along with the line departments and external supporting agencies (e.g. NGOs, contractors, etc.) has to define a plan for the recovery, covering the timeline for completion and the strategies and activities to be performed.

Three are the most important elements of the recovery stage and to which the district administration should focus on: infrastructure, social, economic. They are related to health and educational facilities, water, drainages and sanitation facilities, electricity, transportation and connectivity, etc. Hereafter, each one of them is explained along with the actions that are required to complete the phase of immediate recovery.

Infrastructure recovery

This element represents the restoration of utility and critical services within the district.

Water supply

For affected habitation in rural areas, Public Health Engineering Department has to work to restore water supply units that were identified as dysfunctional during the Damage and Loss Assessment exercise.

Power

The Energy Department have to restore the power lines in areas where damage was reported. The restoration of critical buildings such as hospitals, health centers and administrative buildings is to be prioritized. Meanwhile these buildings are under repair, generator sets should be made available.

Telecommunication

Disrupted lines of telecommunication links have to be repaired on highest priority by Bharat Sanchar Nigam Limited (BSNL) and other private telecom agencies to restore the connectivity of the district/area affected.

Critical lifeline buildings

Lifeline buildings are those necessary to keep the administrative machinery or any emergency centres functioning during a disaster and despite the damages inflicted by it. Hospitals, schools, Anganwadi centres, offices of line departments and district administration are examples of critical lifeline buildings and that should be retrofitted or reconstructed after throughout assessment.

Roads and bridges

The Public Works Department (Road Construction Department) and the National Highways Authority of India should list down the roads and bridges that need repair and those requiring complete reconstruction. Based on that, the priority projects are appointed to guide the plan for recovery. Critical roads and bridges open access to health centers in rural areas, vulnerable groups in remote areas, police stations and outposts, etc.

Households

It involves the identification of houses that were damaged by the disaster or that are vulnerable to secondary incidents associated to the major impact. It is essential that measures be taken accordingly, whether it is relocation, retrofitting, or reconstruction.

Owner-Driven Approach: the owner-driven approach supports the owners to design houses as per their needs giving them a sense of ownership, while the administrative costs

are reduced and the district can focus on proper monitoring.

Disaster resilient construction

The District Disaster Management may constitute a committee to ensure that technical requirements for disaster resilient housing are met during the reconstruction. This committee would assist the multi-hazard resilient design, monitor the process of reconstruction, and ensure that disaster resilient techniques are incorporated in various schemes and development projects. Funds under schemes such as Indira Awaas Yojana and Housing Schemes for Scheduled Castes and Denotified Tribes can be used for reconstruction.

Social recovery

The social recovery is paramount as it deals directly with the lives of those affected by the disaster. Their needs should be recognized and measures undertaken accordingly. Bringing normalcy to their lives is required for engaging them in the process of building back better.

Temporary shelter

The management of relief shelters is continued from the response phase to the immediate recovery phase and done through Incident Response System (IRS – as per Response Plan). Temporary rehabilitation or relocation of people has to be done for those damaged houses, either completely or partially destructed. These people have to be provided with relief supplies while the construction or repair of the houses is undertaken.

Psychosocial support

Health department is responsible to coordinate the psychologists within the district for providing psychosocial support to people highly affected by the disaster, who faced major economic losses or losses in the family, especially to the most vulnerable groups as children, women, elderly, etc, in order to reduce the psychological trauma at the community level. Support and co-ordination from NGOs should be utilized for the same.

Physical health

First aid and emergency health care has to be provided at the earliest. In case health care centres are affected by the disaster, temporary medical relief camps have to be installed while the building is retrofitted or reconstructed. Mobile medical units may be pushed into action for immediately health care close to the community.

Animal health

Injuries and diseases to animals must be addressed through necessary veterinary support at the village or panchayat level.

Financial support

The Department of Social Welfare shall release the money of life insurance and others according to state and national social welfare schemes.

Peace meetings

In case of any violence in the region, peace meetings have to be organized by the Police Department and the District Magistrate along with leaders of estranged communities to diffuse tensions.

Economic recovery

The recovery of economic dimension is fundamental for the success of the entire recovery stage as it brings sustainability for the programme and closely supports the principle of build back better by reviving the local economy.

Risk transfer

Crop and livestock insurance beneficiaries have to be identified during early recovery stage so as to provide the affected people with money for meeting their immediate expenditures and necessities.

Wage employment

This shall make available on high priority to people of affected areas so as to give access to money soon after disaster response when the withdrawal of relief supplies generally takes effect. MGNREGS shall be implemented to provide temporary wages while using this to build assets that could be beneficial for their long-term recovery.

Banking operations

Banking operations affected due to disaster must continue with minimal period disruption so that communities are able to draw money deposited via MGNREGS work, insurance amounts besides being able to avail regular banking benefits.

Relocation

When the recovery involves relocation of the community, the relocation site should be in close proximity to the existing sources of livelihood (places of work, agricultural farms, livestock facilities, markets, etc). This ensures favourable conditions for livelihood generation and other economic activities.

Long-term Recovery:

Post-disaster recovery is a complex process involving several dimensions such as livelihood regeneration, psychological care, environmental rehabilitation, reconstruction, etc. This requires strong linkages between government, NGOs, as well as international organizations and the communities in the district itself, and there is no time-bound to be finished. As the stage of immediate recovery, the long-term recovery involves three major dimensions – infrastructure, social, and economic.

Infrastructure and environmental recovery**Strengthening and retrofitting**

This shall be executed during this phase for all the critical lifeline buildings on priority by the PWD – Building department, besides that for canals and embankments by Canal (Irrigation dept) and WRD, respectively. These works for schools shall be undertaken by Building Construction Division of Education Department.

Repair and reconstruction:***Roads and bridges***

The execution shall be undertaken and monitored by the NHAI and the PWD – Roads (State & Rural) as per the execution plan defined during the first segment of recovery phase.

Housing

Development of permanent housing solution for victims happens during this period under National Housing Scheme (IAY & RAY). Additionally, housing solutions may be provided in cooperation and financial support of external agencies such as NGOs, Corporate Social Responsibility department of private companies, etc. The planning and execution has to involve the local community through consultations and assessments while empowering them.

Regeneration of biodiversity

Afforestation initiatives have to be undertaken by Soil Conservation, Forest and P&RD in affected areas to regenerate forests and biodiversity.

Treatment of wetlands

Natural wetlands (rivers, streams) have to be cleared of debris and sediment deposits to restore the aquatic biodiversity of the region, including fishes and plants.

Social and economic recovery**Rehabilitation**

During this phase, families placed in temporary shelters due to damage or destruction of their houses or erosion of their land has to be smoothly rehabilitated through requisite infrastructure recovery interventions. Efforts shall be made to rehabilitate these families to locations at least close to the original habitations to keep them in proximity of pre-disaster communities and land.

Education

Schools have to be made operational in the shortest span through the post-disaster period.

Wage employment

The focus on providing wage employment through MGNREGS should be continued with greater vigour for the affected parts of the district so as to provide economic recovery while original livelihoods such as agriculture outputs are restored to normalcy.

Livelihoods

Work towards strengthening livelihoods to be more economically and environmentally sustainable, as well as more resilient to future disasters. In this long-term recovery effort, focus is on livelihoods diversification, creation of alternative income generating activities, providing financial services such as loans and insurance, and strengthening forward linkages with markets for existing and new livelihoods.

Credit

This shall be done by formation of self-help groups (SHGs) for affected communities so as to support in buying or rebuilding assets such as domestic animals, farm equipments, craft equipments and others by providing microcredit. This is critical to reduce the dependency of the population in the district administration for support.

Microinsurance

Increase of the coverage of microinsurance in order to include more farmers and livestock owners and their productive lands/livestock to ensure risk transfer benefits in case of damages from any future disasters.

Disaster resilient livelihoods

Agriculture is the mainstay of the district while it is one of those vulnerable to natural hazards. Alternative livelihoods such as crafts, sericulture and plantation of Khus (Vetiver) for its oil production with a processing industry may be sought by the district.

Agronomic rehabilitation

The district administration has to ensure that soil testing labs research and formulate necessary steps required for agronomic rehabilitation and may coordinate with NGOs working in this field to channelize their support. Additionally, it is paramount to suggest cropping patterns, suitable compositions of fertilizers, pesticide, etc, depending upon the changes in soil due to the disaster and develop a model of rehabilitation of the same.

Various measures such as seed capital, micro finance and other related schemes should be used for the social and economic recovery of the district. Some activities to support livelihood generation and improvement that can be provided by schemes under the Welfare Department are given below:

- training tailoring to SCs/BCs destitute/ widowed women/girls;
- upgrade of typing and data entry skills of the SC/BC unemployed youth through computer training;
- financial assistance for training to scheduled castes candidates in unorganised sector through private institutions
- creation of employment generation opportunities by setting up employment-oriented institutions/ training programme;

- other schemes such as MGNREGS, PMGSY, Hunar se Rojgar Yojana can also be used for livelihood generation.

The district administration may also coordinate with the Animal Husbandry and Dairying Department to ensure alternate livelihood generation activities by providing cows and buffaloes. Various schemes under Animal Husbandry and Dairying Department can be used for the same:

- schemes for employment opportunities to scheduled castes families by establishing livestock units and insurances of their livestock (SCSP);
- special employment to educated/ uneducated young men/women of rural area through dairy development;
- Self-employment generation in dairy sector by establishing hi-tech/ mini dairy units; schemes for salvaging and rearing of the male buffalo calves.

Holistic Recovery Process

The District Disaster Management Authority of 24 Parganas (South) should formulate the necessary institutional mechanisms for ensuring that each aforementioned parameters and activities related to the recovery stage, including reconstruction and rehabilitation, are performed accordingly. In view of this, they should not only monitor, but also coordinate with the work of NGOs and other agencies so to better utilize the expertise and resources available at the district. It should be noted that external agencies have a time-bound approach and communities may or may not be completely recovered by the time their project ends. Therefore, the Disaster Management Authority is the final responsible for the recovery process and has to ensure its appropriateness within the district, through planning and constant monitoring of the progress and reporting.

During the recovery process, it is paramount to ensure that the communities do not get dependent solely on assistance from the local administration. It is necessary to define in advance clear indicators and a plan stating the withdrawal as per the situation in the district. Additionally, multi-disciplinary activities should be incorporated in the recovery process in consultation with the affected community in an institutionalized manner, as this would support in ensuring sustainable development of the community and the district as a whole.

In order to implement all those process, A pre Monsoon disaster preparedness meeting has been organized on 08.05.2017 by the District Magistrate with the District Disaster Management Department, 24 Parganas (South) and all the concerned Departments and stakeholders to take initiatives and responsibilities for disaster preparedness in the district level. Also, previously a tsunami and cyclone mock drill meeting has been organized by the Department in District level.

The overall structure and process of disaster management is depicted in below figure:

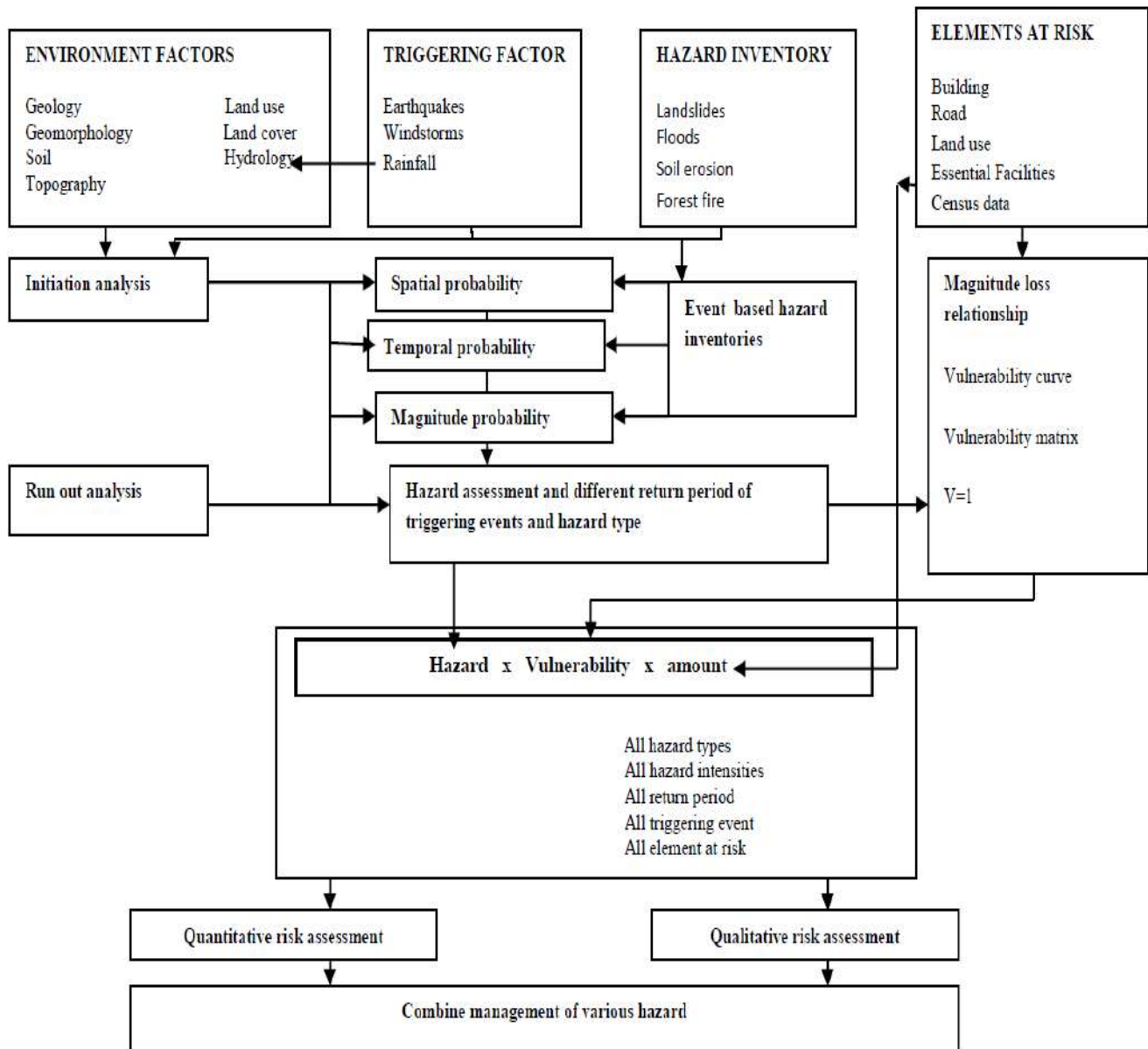


Fig: Combined Management framework for multi-Hazards

Chapter 3: District Profile

Location:

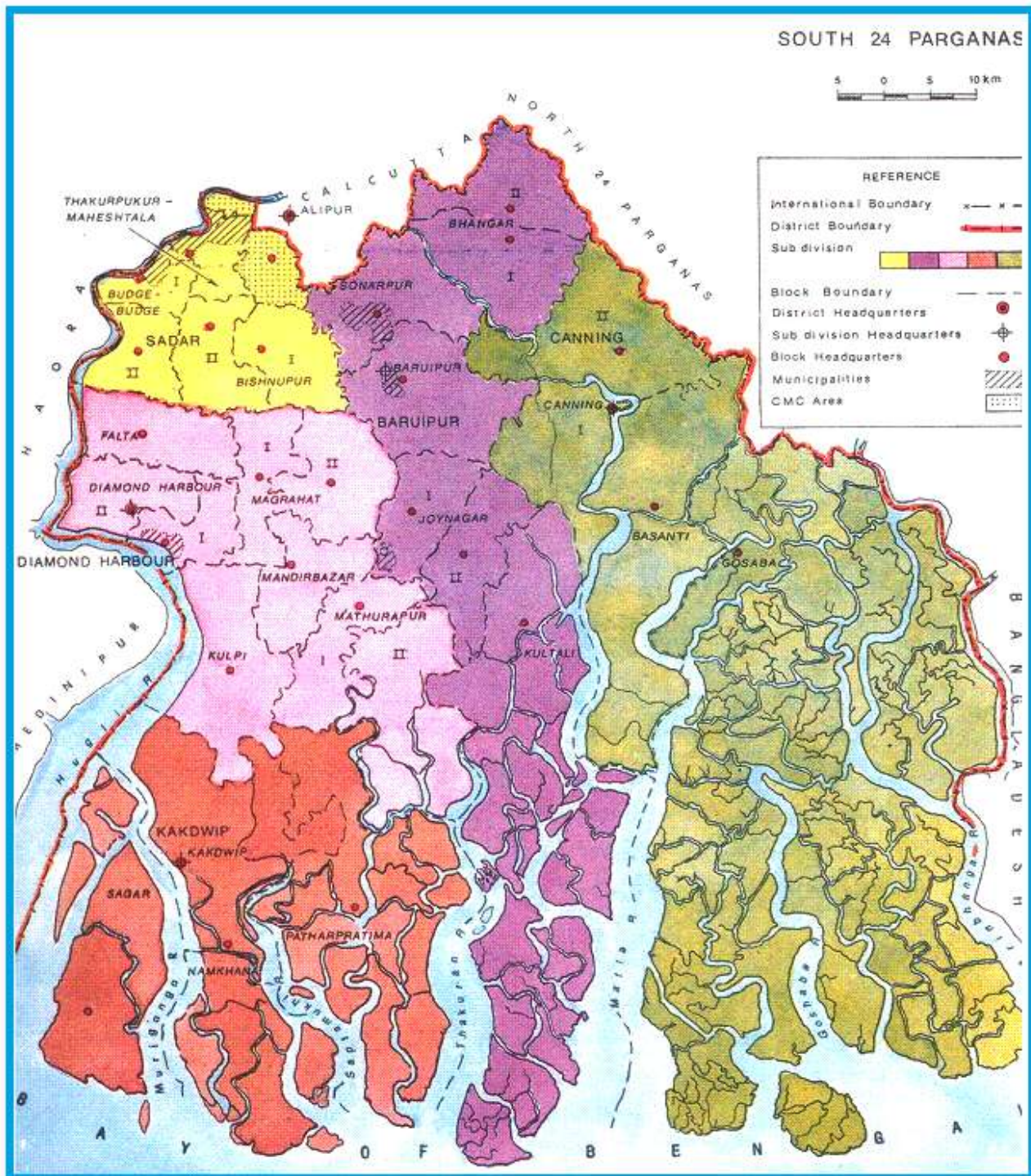
Latitude : - North- 20'20", South-22'06"

Longitude : - East-88'20", West -88'60"

Area and Administrative Division:

Total Area in Sq. K.M.	10,000
No. of Sub-Divisions (Baruipur, Canning, Diamond Harbour, Kakdwip, Sadar)	5
No. of Blocks	29
No. of Gram Panchayat	310
No. of Municipalities	7
No. of Sundarban Blocks (Sagar, Namkhana, Kakdwip, Pathar Pratima, Kultali, Mathurapur-I, Mathurapur-II, Joynagar-I, Joynagar-II, Canning-I, Canning-II, Basanti, Gosaba)	13

Administrative Map South 24 Parganas District



South 24-Parganas district is an important district of West Bengal State with its district headquarters in Alipore. It has the urban fringe of Calcutta on one side and the remote riverine villages in the Sundarbans on the other.

(i) History

- The territory of Greater 24 Parganas were under the Satgaon (ancient Saptagram, now in Hoogly district) administration during the Mughal era and later it was included in Hoogly chakla (district under post-Mughal Nawabi rule) during the rule of Murshid Quli Khan. In 1757, after the Battle of

Plassey, Nawab Mir Jafar confer the Zamindari of 24 parganas and janglimahals (small administrative units) to the British East India Company. These were Amirpur, Akbarpur, Balia, Birati, Azimabad, Basandhari, Baridhati, Bagjola, Kalikata, Garh, Hatiagarh, Islampur, Dakshin Sagar, Kharijuri, Khaspur, Ikhtiarpur, Madhyamgram, Magura, Medanmalla, Maida, Manpur, Muragachha, Pechakuli, Paikan, Rajarhat, Shahpur, Shahnagar, Satal and Uttar Pargana. Since then, this entire territory is known as Twentyfour Parganas.

- In 1793, during the rule of Lord Cornwallis, entire Sunderbans were in Twentyfour Parganas. In 1802, some parganas on the western banks of river Hoogly were included into it. These parganas were in Nadia earlier. In 1814, a separate collectorate was established in Twenty-four Parganas. In 1817, Falta and Baranagar and in 1820, some portions of Nadia's Balanda and Anwarpur were encompassed to it. In 1824, portions of Barasat, Khulna and Bakhargunge (now in Bangladesh) were also included to it. In 1824, the district Headquarter was shifted from Kolkata to Baruipur, but in 1828, it was removed to Alipore. In 1834, the district was spilt into two districts – Alipore and Barasat, but later these were united again.
- In 1905, some portion of this district around the Sunderbans was detached and linked to Khulna and Barishal. These parts remained in Pakistan (later Bangladesh territories where Jessore's Bangaon was joined to Twentyfour Pargana after the 1947 partition.
- In 1983, an administrative reforms committee under the chairmanship of Dr. Ashok Mitra suggested to spilt the district into two and as per the recommendation of the committee on 1st March, 1986 two districts – North 24-Parganas and South 24-Parganas were created vide Government of West Bengal Notification No 91-P&AR(AR).

The land & the River

LANDSCAPE OF THE DISTRICT

Created after bifurcation of the old district of 24 Parganas, the district of South 24 Parganas lies in the South and south – eastern part of west Bengal. Extending from 21°29" N to 22°33'45" N latitudes and from 88°3'45" E to 89°4'50" E longitudes, the total area covered by the District is 9960 sq. Km.

South 24 Parganas is bounded on the north by the district of North 24 Parganas & the metropolis of Kolkata, on the South by the sunlit waters of the Bay of Bengal, on the east by

Bangladesh and on the west by the tidal river Hoogly – a distributary of the Ganga, which separates the District from the districts of Howrah and Medinipur.

The District is the part of the vast Ganga plan where the delta building process is still very active or has just reached the mature stage. Here the land hardly rises to 5 metres above sea level in the north, i.e. in the mature part of the delta, to one meter or so in the active delta region in the south which is a mesh of innumerable twisting rivers and tidal creeks separating numerous islands.

The distributaries of the Ganga which criss-cross this land include the Hoogly, Bartala, Saptamukhi, Thakuran, Mridanga Bhanga, Matla, Gosaba, Haribhanga and Raimangal. They are fed by sea tides. Twice a day, sea water enters more than 100 km. Through these estuaries and inundates the low lying plains.

The average temperature in the district varies from a maximum around 38°C to a minimum of around 13.5°C. The annual rainfall average 1800 cm, more than 75 percent of which comes during the monsoon. Nor ‘westers’ from March to May and the Bay Cyclones from mid June to mid November ravage the land every year.

The active delta of the Sundarban is a land of marshes and tidal forests called ‘Mangroves’ – a unique type of vegetation of halophytes like Sundari, Keora, Baen, Gengwa, Keya, Golpatta etc. which have special characteristic to adapt themselves to the highly saline soil, strong winds and inundation of sea water twice a day during tides. The Sundari, once the dominant plant, after which the region was possibly named, is gradually dying out as a result of increased salinity of the soil.

This Mangrove forest or the ‘badadhumi’ is a veritable treasure house of wild life. Here man eating tiger, numerous species of mammals like wild boar, deer, monkey, and 17 species of snakes co-exist on the land, Shark estuarine crocodiles, crabs, 7 species of turtles, 80 varieties of fish swim in the waters and 230 species of chirping birds bring melody to this dreaded land. No wonder that the Sundarban was declared as a ‘World Heritage Site’ in 1994 and as a ‘Biosphere reserve’ in 1989.

This deltaic district is situated with saline marshes which are used for pisciculture. The ground water, though available within 10 metres in the mature delta, can be tapped at a depth of more than 100 metres under a great thickness of impermeable clay. Moreover, the upper aquifers bear saline water. So the people need to reach deeper aquifers for sweet water. They also dig tanks to collect rainwater for irrigation.

Out of the 29 Blocks, 7 or 8 of the northern Blocks of South 24 Parganas have fertile gangetic alluvium while more than 11 blocks have either saline or degraded alkaline soil. Thus in the major part of the district, with the problem of waterlogging in the ‘basin like islands’ of degraded or saline soil coupled with poor irrigation facilities only mono cropping is generally practised by the farmers.

In the Sundarbans, there are more than 3500 Km. Of very old earthen embankments that are essential for the very survival of the islands. With its proximity to the Bay of Bengal the land is very much prone to the wrath of Bay Cyclones and tidal disturbances during the monsoon. The natural

levee's, already weakened by lashing sea waves during cyclones; often give in to the tidal bores resulting in disastrous floods.

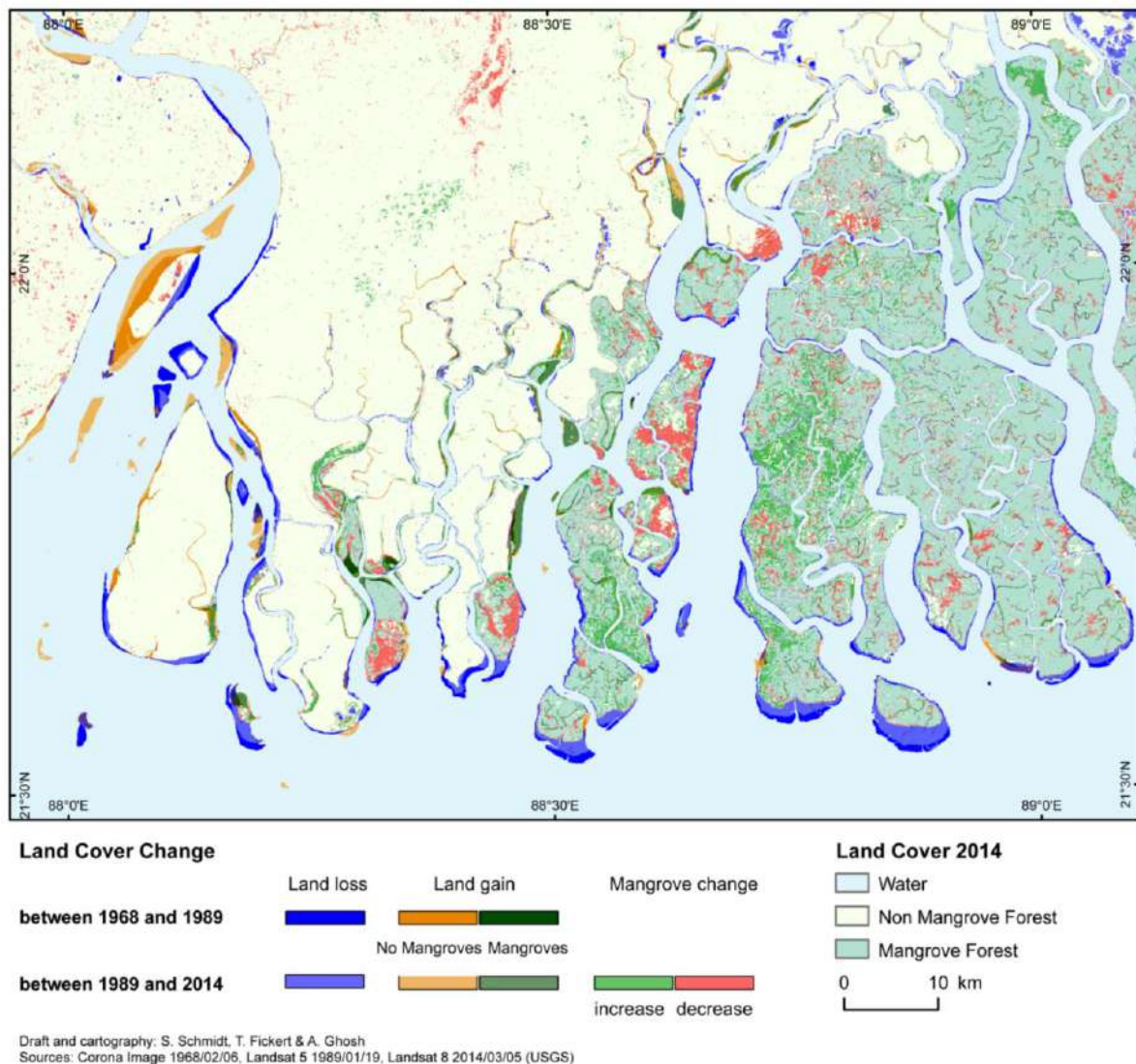


Fig: Vulnerability due to natural Land loss

RIVER SYSEM OF THE DISTRICT

The District lies at the tail end of the Ganga flowing as the Hoogly. This area is part of the active delta where the Hoogly along with a number of distributaries meet the Bay of Bengal. Though the flow of water through Hoogly has considerably been reduced since the construction of the Farakka Barrage, this part of the country has retained its uniqueness in its richness of mangrove forest and numbers islands created by sedimentation and collection of silt on areas, which were once parts of riverbeds.

Another interesting feature of the rivers cape of the district is the changing courses of most of the rivers. It is an ever-developing story of distributaries branching off from the main river, flowing in a crisis cross manner and again re entering the main stream or merging with some other distributary. As a result, the same river has taken different names at different places making it difficult to keep track

of the individual streams. However, the principal rivers in the system of the district are the Hoogly, Saptamukhi, Thakuran, Bidyadhari, Matla, Gosaba, Haribhanga & Raimangal.

The Hoogly River

The Hoogly enters the District immediately after the Kolkata Port area. It flows from South West till Achchipur in Budge Budge and then its course generally runs southwards till it falls into the Bay of Bengal. The Spring tides of the Hoogly are occasionally so strong that they give rise to a phenomenon called a bore (baan). This name is given to the head water (sometime 5-6 metres high) which is formed when an unusually high tide is checked by the narrowing of the river channel. The River has no important tributaries on our side, its only feeders being the Diamond Harbour and Khola Khali Creeks and the Falta and Kulpi khals, all insignificant streams. The larger tributaries like the Damodor, Rupnarayan, Haldi & Rasulpur meet the river on the opposite bank. The point where the Hoogly meets Sagar i.e. the Bay of Bengal, its breadth is about 30 km. Shortly before it falls into the sea it bifurcates- the main channel continues straight towards the sea and the other one called Muriganga (Bartala) flows along the eastern side of the Sagar Island. The Hatania –Doania connects the Muriganga with the Saptamukhi.

The Saptamukhi River

The Saptamukhi system is spread over both the districts of North 24 Parganas & South 24 Parganas. It is wide and shallow and as a result has a number of shoals. One such big shoal separates the main stream from the Ghughudanga Blind Creek. From North to South 'the Banstala – Ghughudanga Gang – Saptamukhi West Gully' may be said to form one continuous arm, the East Gully being a distributary of the same on the other side of the Prentice and Lothian Islands. The major branches on the west are Kalnagini Khal, the Ghughudanga Gang and Blind Creek, Patibonia river, Wdward's Creek and Chandapiri Khal and Bagkhali river around Freserganj Island.

The Thakuran (Jamira)

The Thakuran system is also very wide near the sea face. The major lateral branches of the Thakuran on the western side are the Kadrakhali khal, the Damdama Khal, the Moni River, the Pukchera, the Raidighi, the Sibna Gang, the Pakhirali Khal and the Ross creek. The link channels on the eastern side with the Matla system are mostly meander loops. These loops are interconnected amongst themselves by an intricate mesh of tidal channels.

The Bidyadhari

The Bidyadhari is the combined flow of the Nona Gang and the Harua Ganj in North 24 Parganas. It serves as the main as the main drainage outlet of the Kolkata Metropolitan area. The river is joined by the Bhangar Khal, Kulti Gang, central lake channel that carries sewage and storm water of Kolkata and the Toy's Nulla. Near Baman Ghata it sends out the Piyali. Later it receives Kumarjal gang and the united stream forms the Matla.

The Matla

The Matla is a very wide estuary comparable, near the surface, with Hoogly. At the entrance from the sea the Matla is around 18 metres deep. About 50 Km. From the sea face the river braids into two channels- the Matla proper on the west and the Bidya in the east. Both the rivers move up northwards parallel to each other.

The Gosaba

The river Gosaba, mainly flowing past the Gosaba Island is of considerable size. But the bending channels at its mouth make it most difficult to enter.

The Piyali

It is cross stream from the Bidyadhari to the Matla. The river branches off the idyadhari 15km. below Bamanghata and flows in a south and south-westerly direction till falls into the Matla about 32 km. South of canning town through the Kultala Gang links the Thakuran river.

The Bamanghata River

About 10 km. east of the Matla lies the Bangaduni – a small but with comparatively deep water at its mouth. It flows in a south, south-easterly direction to meet Bay.

The Raimangal River

The combined flow of the Kalindi and Jamuna flows southward as the Raimangal for 11 km. to meet the sea. The Haribhanga or Herobhanga is the western inlet of the Raimangal through which runs the international border with Bangladesh.

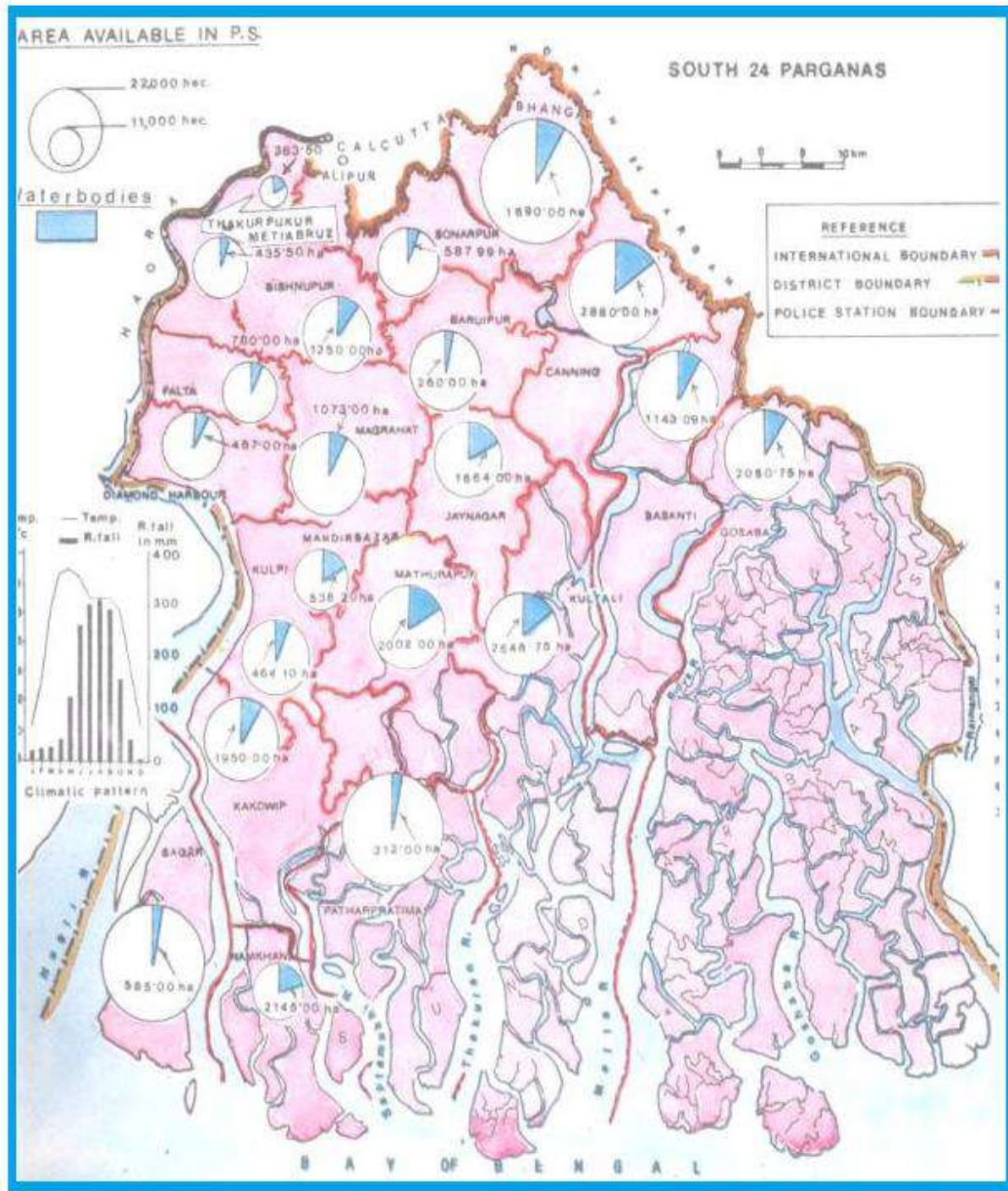
The Calchara- Curzon Creek

The estuary lies between the estuaries of the Saptamukhi and the Thakuran. This deep and narrow tidal basin has a greater volume of tidal influx than the two adjoining estuaries. The Curzon creek is almost an estuary in itself and finds its way into the sea in the last lap through the Saptamukhi East Galley for the last 10 km. 'The Sutarbeg-Mridangabhanga- Calchara- Curzon Creek- Saptamukhi East Galley' constitute one continuous estuarine area.

The Marshes and Khals

South 24 Parganas, like other deltaic districts, is studied with marshes and swamps called 'bils' situated at the middle of the saucer-shaped depressions. The elevated tracts of these depressions are marked by river courses. The rivers have built up high natural levees along their banks; there are also artificial protective embankments. From such high level, the ground gradually slopes downwards, forming a depressed tract between each set of two rivers. Water collected in these natural depressions drains out through tidal water courses called Khals. There are innumerable such marshes and khals in the Sundarban area of the District.

Climate & Water bodies



General Geomorphology and Drainage

The District is located in the Lower Gangetic Plain on the composite Gangetic Delta and is covered by the Quaternary sediments deposited by Ganga and its tributaries. The District divided into Four Geomorphic units.

- i. Deltaic Plain
- ii. Levees.
- iii. Marshes
- iv. Islands of Sundarban.

The major drainages of LowerGangaBasin are Hugli, Matla, Bidyadhari, Raimangal, Saptamukhi rivers with their Tributaries/ distributaries from the main drainage in this district.

Administrative Units

Panchayat Set up	
No. of Gram panchayat	310
No. of Gram Sansads	3592
No. of Gram Panchayat Members	4129
No. of Panchayat Samitis	29
No. of Panchayat Samiti Members	877
No. of Zilla Parishad Members	73

Economy

Agriculture, Industry and Pisciculture are all at their peak in the district. Sundarbans, formerly Sunderbunds, is a vast tract of forest and saltwater swamp forming the lower part of the Ganges Delta, extending about 160 miles (260 km) along the Bay of Bengal from the Hooghly River Estuary (India) to the Meghna River Estuary in Bangladesh. The whole tract reaches inland for 60–80 miles (100–130 km).

A network of estuaries, tidal rivers, and creeks intersected by numerous channels, it encloses flat, marshy islands covered with dense forests. The name Sundarbans is perhaps derived from the term meaning "forest of sundari," a reference to the large mangrove tree that provides valuable fuel. Along the coast the forest passes into a mangrove swamp; the southern region, with numerous wild animals and crocodile-infested estuaries, is virtually uninhabited. It is one of the last preserves of the Bengal tiger and the site of a tiger preservation project. The cultivated northern area yields rice, sugarcane, timber, and betel nuts.

The region is also famous for some commonly domesticated livestock breeds which includes the Garole breed of sheep and Chinae Hans or Muscuovy ducks, the Garole sheep is considered as the progenator of the Booroola merino sheep and is noted for its prolific character. However, the wool of the sheep which can be a valuable natural asset does not find any use among the natives. Bakkhali beach resort located on one of the islands jutting out into the Bay of Bengal is gaining in popularity, with improvements in transport links with Kolkata.

Demography

Table 1: Area, Population, Decadal Growth Rate, Population Density and Sex Ratio (Provisional Population Totals [PPT], 2011)

State/District	Area (Sq. Km).	Population 2011			Decadal Growth Rate 2001-2011 (%)	Population Density 2011 (Population per Sq. Km.)	Sex Ratio 2011 (No. of Females per 1000 Males)
		Persons	Males	Females			
West Bengal	88752	91347736	46927389	44420347	13.93	1029	947
South 24-Parganas	9960	8153176	4182758	3970418	18.05	819	949

Source: Census of India 2011

Table 2: 0-6 Age Group Population, Literates and Literacy Rate by Sex (PPT, 2011)

State/District	0-6 Population 2011			Literates 2011			Literacy Rate 2011 (%)		
	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females
West Bengal	10112599	5187264	4925335	62614556	34508159	28106397	77.08	82.67	71.16
South 24-Parganas	976351	500011	476340	5639112	3120200	2518912	78.57	84.72	72.09

Source: Census of India 2011

Table 3: Population and Decadal Growth Rate by Residence and Sex (PPT, 2011)

State/District	Category	Population 2011			Decadal Growth Rate 2001-2011 (%)		
		Total	Rural	Urban	Total	Rural	Urban
West Bengal	Persons	91347736	62213676	29134060	13.93	7.73	29.90
	Males	46927389	31904144	15023245	13.17	7.73	26.78
	Females	44420347	30309532	14110815	14.75	7.74	33.41
South 24-Parganas	Persons	8153176	6065179	2087997	18.05	4.20	92.23
	Males	4182758	3113964	1068794	17.33	3.89	88.26
	Females	3970418	2951215	1019203	18.81	4.53	96.57

Source: Census of India 2011

Table 4: Percentage Share of Total Population and Sex Ratio by Residence (PPT)

State/District	Percentage Share of Total Population 2011		Sex Ratio 2011 (No. of Females per 1000 Males)		
	Rural	Urban	Total	Rural	Urban
West Bengal	68.11	31.89	947	950	939
South 24-Parganas	74.39	25.61	949	948	954

Source: Census of India 2011

Table 5: 0-6 Age Group Population and Decadal Growth Rate of 0-6 Age Group Population by Residence and Sex (Provisional Population Totals, 2011)

State/District	Category	0-6 Population 2011			Decadal Growth Rate of 0-6 Population 2001-2011 (%)		
		Total	Rural	Urban	Total	Rural	Urban
West Bengal	Persons	10112599	7535228	2577371	-11.40	-17.37	12.29
	Males	5187264	3860958	1326306	-10.94	-16.89	12.55
	Females	4925335	3674270	1251065	-11.89	-17.86	12.02
South 24-Parganas	Persons	976351	769949	206402	-7.02	-17.28	72.97
	Males	500011	394038	105973	-6.47	-16.80	73.65
	Females	476340	375911	100429	-7.60	-17.78	72.27

Source: Census of India 2011

Table 6: Literates and Literacy Rate by Residence and Sex (Provisional Population Totals, 2011)

State/District	Category	Literates 2011			Literacy Rate 2011 (%)		
		Total	Rural	Urban	Total	Rural	Urban
West Bengal	Persons	62614556	39898187	22716369	77.08	72.97	85.54
	Males	34508159	22298022	12210137	82.67	79.51	89.15
	Females	28106397	17600165	10506232	71.16	66.08	81.70
South 24-Parganas	Persons	5639112	4065797	1573315	78.57	76.78	83.62
	Males	3120200	2273552	846648	84.72	83.59	87.93
	Females	2518912	1792245	726667	72.09	69.59	79.09

Source: Census of India 2011

Table 7: Minorities Population (2011)

Type	Total Persons	Muslim Persons	% of Muslim	Other Minorities	% of Other Minorities	Total Minorities	% of Total Minorities
Total (29 Blocks)	5969865	2068039	34.64	51459	0.86	2119498	35.50
Total (7 Municipalities)	936824	227928	24.33	5997	0.64	233925	24.97
Total (District)	6906689	2295967	33.24	57456	0.83	2353423	34.07

Source: Census of India 2001

Table 8: Scheduled Castes (SC) Population (2011)

Type	Total SC Population	Male SC Population	Female SC Population	Percentage (Total SC Population)	Percentage (Male SC Population)	Percentage (Female SC Population)
Total (29 Blocks)	2051794	1059237	992557	34.37	34.44	34.29
Total (7 Municipalities)	166582	86073	80509	17.78	17.58	18.00
Total (District)	2218376	1145310	1073066	32.12	32.13	32.11

Source: Census of India 2001

Table 9: Scheduled Tribes (ST) Population (2011)

Type	Total ST Population	Male ST Population	Female ST Population	Percentage (Total ST Population)	Percentage (Male ST Population)	Percentage (Female ST Population)
Total (29 Blocks)	79258	40268	38990	1.33	1.31	1.35
Total (7 Municipalities)	5508	2833	2675	0.59	0.58	0.60
Total (District)	84766	43101	41665	1.23	1.21	1.25

Source: Census of India 2011

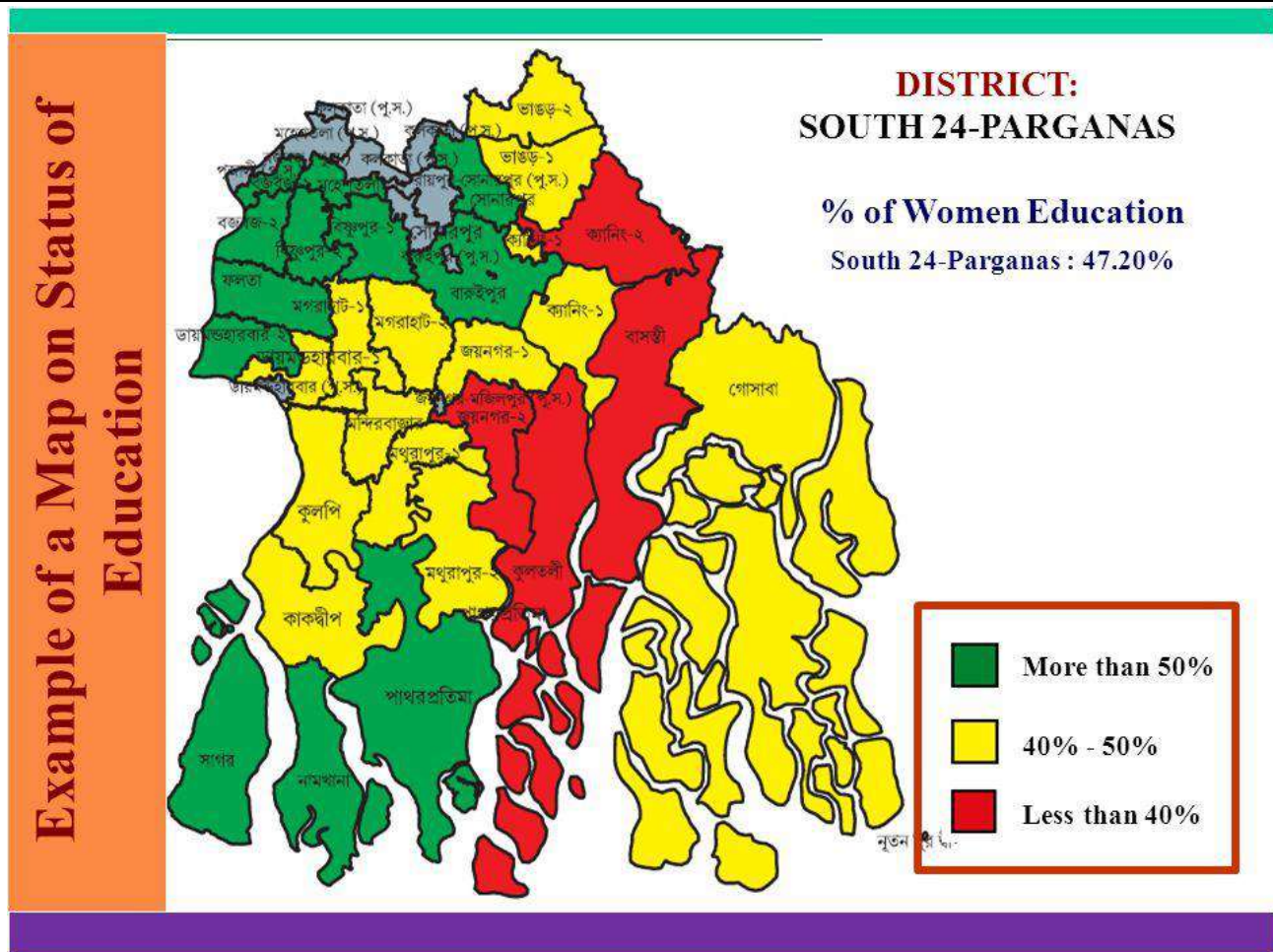


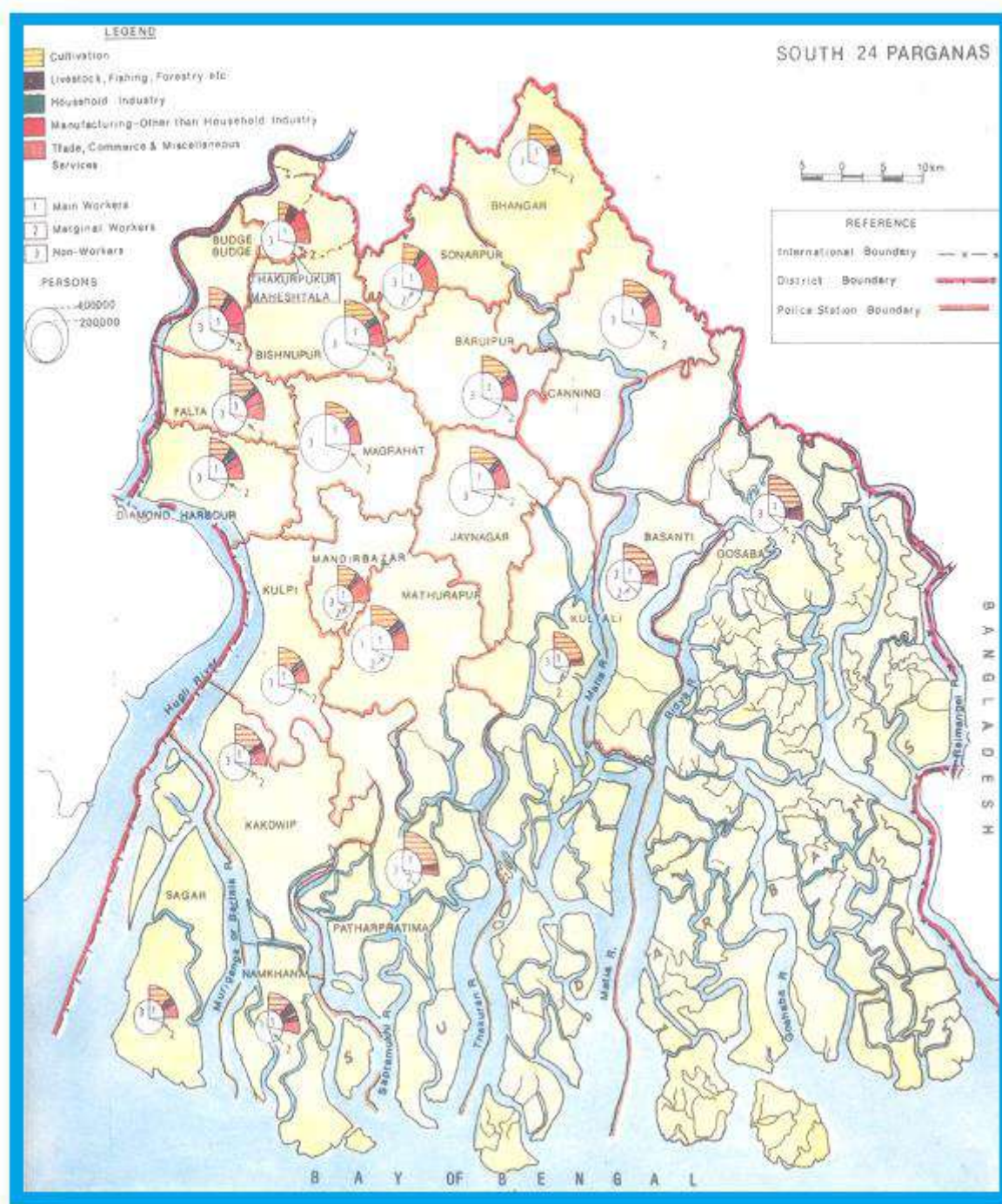
Fig: Women Literacy rate of South 24 Parganas

Table 10: Block/Municipality wise Population (Census, 2011)

Sl. No.	Block / Municipality	Population 2011 (Provisional Population Totals)			
		Persons	Males	Females	Others
1	Baruipur	432870	222326	210514	30
2	Basanti	336151	171549	164597	5
3	Bhangar - I	249120	127876	121237	7
4	Bhangar - II	246700	127708	118981	11
5	Bishnupur - I	232376	118888	113462	26
6	Bishnupur - II	214477	109731	104746	0
7	Budge Budge - I	112947	57866	55081	0
8	Budge Budge - II	192118	98939	93178	1
9	Canning - I	304704	155389	149304	11
10	Canning - II	252622	128926	123695	1
11	Diamond Harbour - I	155842	79814	76027	1
12	Diamond Harbour - II	190796	97898	92891	7
13	Falta	249488	127796	121690	2
14	Gosaba	246682	126204	120478	0
15	Jaynagar - I	262336	135156	127176	4
16	Jaynagar - II	251206	129082	122122	2
17	Kakdwip	281502	144272	137226	4
18	Kulpi	281597	144202	137392	3
19	Kultali	228988	117775	111213	0
20	Magrahat - I	268747	138332	130411	4
21	Magrahat - II	304702	157171	147520	11
22	Mandirbazar	211706	109277	102425	4
23	Mathurapur - I	194715	100072	94638	5
24	Mathurapur - II	220068	113790	106277	1
25	Namkhana	182728	93506	89221	1
26	Patharpratima	331605	170081	161521	3
27	Sagar	211993	109827	102165	1
28	Sonarpur	219981	112646	107330	5
29	Thakurpukur Mahestala	176239	89422	86814	3
30	Baruipur (M)	53191	26864	26321	6
31	Budge Budge (M)	76858	39819	37039	0
32	Diamond Harbour (M)	41798	21069	20729	0
33	Jaynagar Mazilpur (M)	26031	13301	12730	0
34	Maheshtala (M)	449423	231037	218379	7
35	Pujali (M)	37063	18995	18065	3
36	Rajpur Sonarpur (M)	423806	215976	207823	7
Total		8153176	4182582	3970418	176

Note: (M) stands for Municipality

Occupational Pattern



Topographical Details:

Climate and Rainfall

Sl. No.	Month	Average Rainfall (in mm)	Actual Rainfall (in mm)
1	JANUARY	29.01	0.0
2	FEBRUARY	30.00	7.27
3	MARCH	34.50	26.10
4	APRIL	52.41	36.78
5	MAY	108.00	100.35
6	JUNE	351.26	372.47
7	JULY	401.23	207.66
8	AUGUST	431.81	521.81
9	SEPTEMBER	367.40	276.36
10	OCTOBER	251.27	29.28
11	NOVEMBER	106.11	0.0
12	DECEMBER	41.35	0.0

Rain Recording Stations:

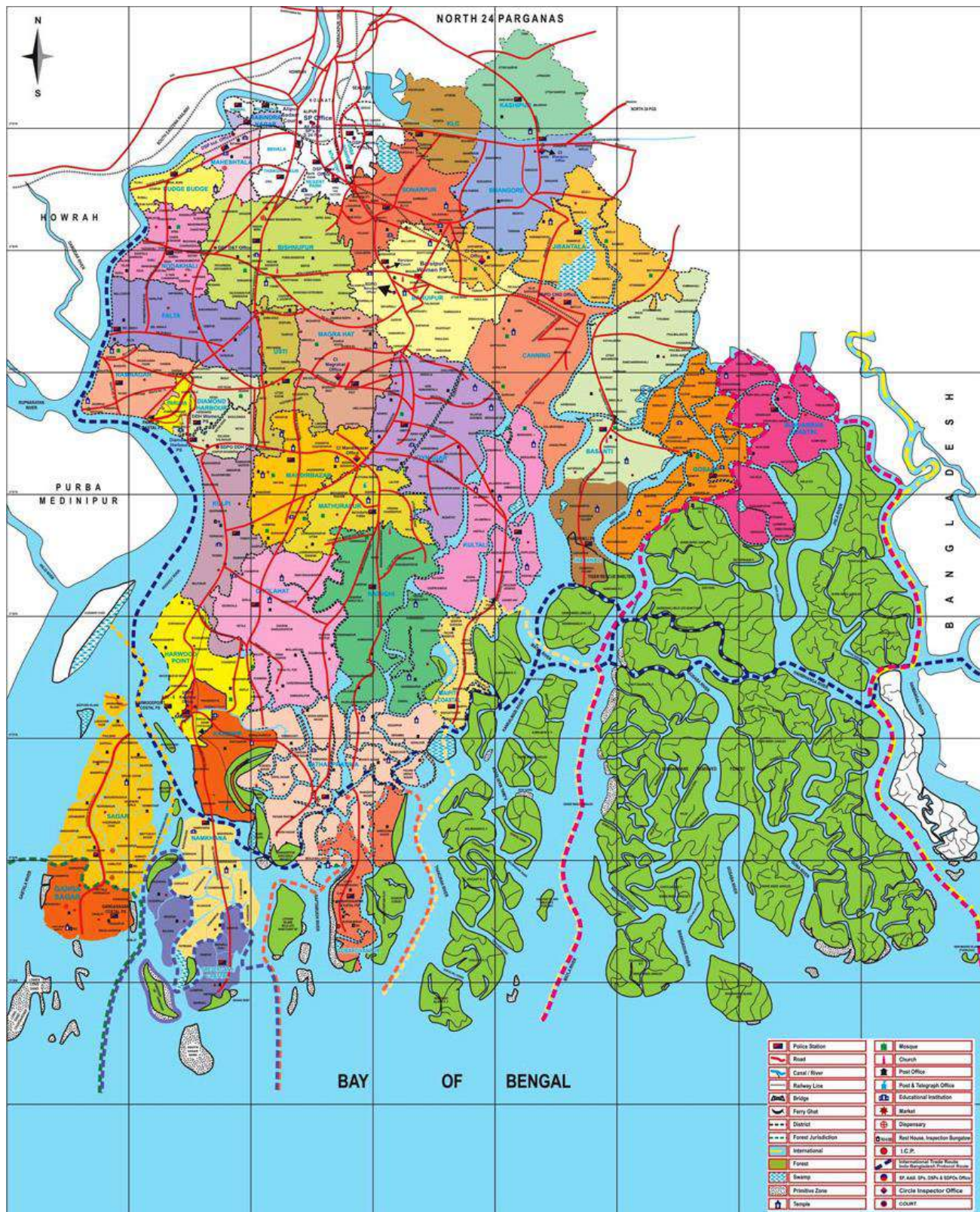
- ★ Total No. of Rain Recording stations in the District: **6 (Six)**
- ★ Location of Rain Recording stations:

Station(where rainfall has been recorded)	Average Annual rainfall (10 years) in mm.	Average rainfall during June-August (10years) in mm.	Rainfall during the month of September (10years) in mm.
1. Bishnupur	1672.91	1026.00	299.97
2. Baruipur	1786.00	1086.06	334.74
3. Mathurapur	1643.17	1017.60	282.46
4. Kakdwip	1897.30	1155.87	333.75
5. Sagar	2150.38	1228.50	484.12
6. Manmathanagar (Gosaba)	2805.29	1711.77	469.37

Month wise Highest and Lowest Temperature recorded in the District

Sl. No.	Month	Maximum Temperature (in Centigrade)	Minimum Temperature (in Centigrade)
1.	January	28.0 ⁰ c	13.0 ⁰ c
2.	February	28.6 ⁰ c	13.8 ⁰ c
3.	March	34.2 ⁰ c	14.8 ⁰ c
4.	April	35.4 ⁰ c	16.0 ⁰ c
5.	May	36.8 ⁰ c	18.8 ⁰ c
6.	June	36.2 ⁰ c	20.2 ⁰ c
7.	July	36.0 ⁰ c	23.0 ⁰ c
8.	August	34.8 ⁰ c	23.8 ⁰ c
9.	September	34.0 ⁰ c	24.4 ⁰ c
10.	October	33.6 ⁰ c	22.0 ⁰ c
11.	November	32.0 ⁰ c	16.6 ⁰ c
12.	December	28.2 ⁰ c	11.0 ⁰ c

Topographical Map of South 24 Parganas



Geographical Area (in Hect.)

Paddy

Sl.No.	Name of the Sub-Division	Agricultural Land (ha)			Grazing land	Forest Land (ha)
		High	Medium	Low		
1	Baruipur	21516	37728	25821	0.5	426895
2	Canning	13953	25117	16745		
3	D/ Harbour	25646	46239	30781		
4	Kakdwip	21178	38123	25414		
5	Sadar	4653	8459	5585		

Non-Paddy

Sl.No.	Name of the Sub-Division	Agricultural Land (ha)		
		High	Medium	Low
1	Baruipur	5052	1943	781
2	Canning	1102	423	171
3	D/ Harbour	4492.6	1729.3	693.1
4	Kakdwip	3550	1368	547
5	Sadar	4195	1614	648

Land Holding Pattern: (No. of HH)

Sl.No.	Name of the Sub-Division	Big Farmers	Marginal farmers	Small Farmers	Agricultural labourers	Landless
1	Sadar, Kakdwip, D/Harbour, Baruipur, Canning	67821	254566	79552	444692	92046

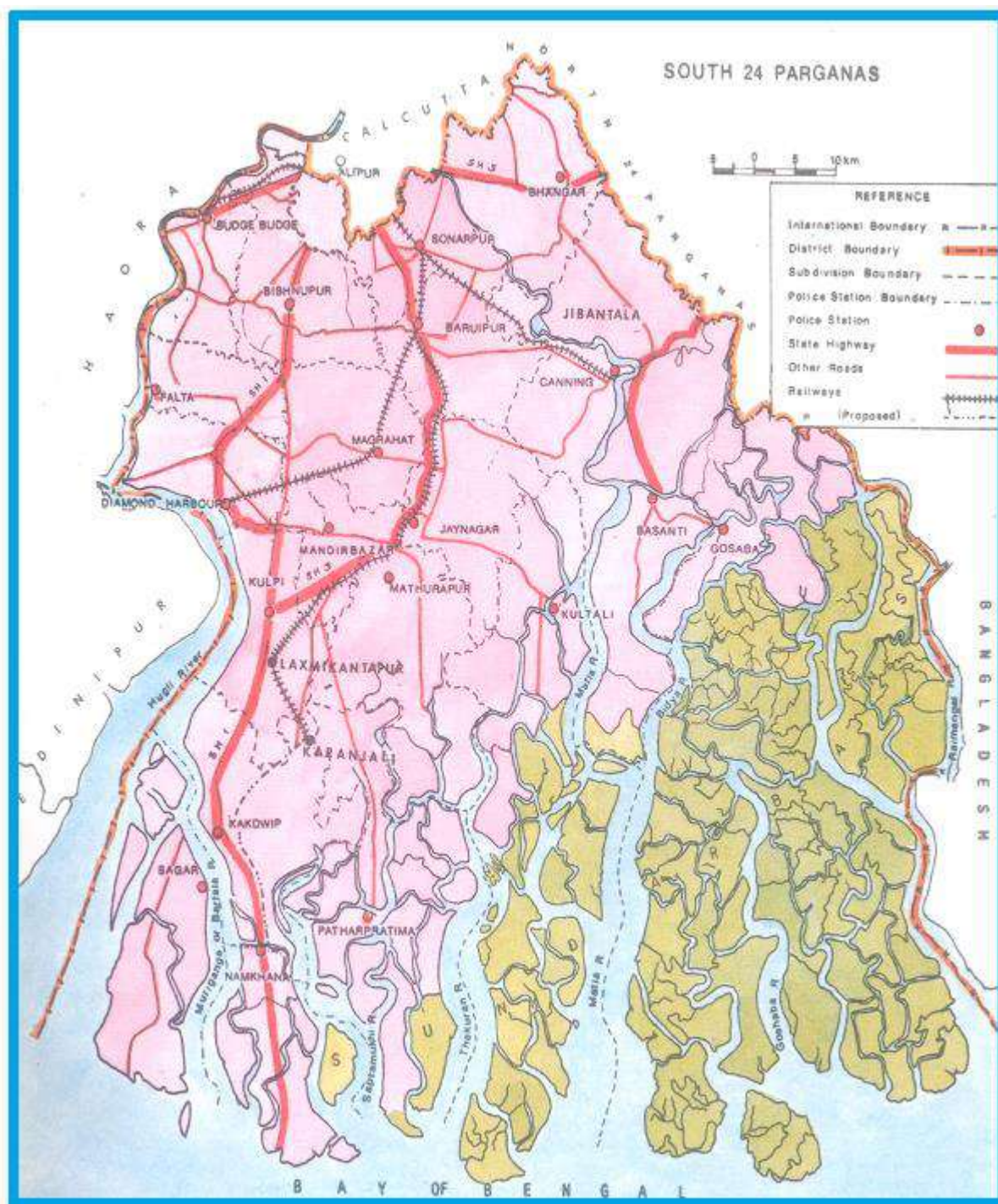
Crop Pattern:

Sl.No.	Name of the Sub-division	Type of Crops	Area Cultivated (in Hect.)
1	Baruipur, Canning, Diamond Harbour, Kakdwip, Sadar	Aman Paddy	352395
		Aus Paddy	3405
		Boro Paddy	50120
		Wheat	2355
		Summer& Kharif Vegetable	36846
		Winter Vegetable	26514
		Betelvine (Prod.in Motes)	2255
		Oil Seeds	14900
		Pulses	59114
		Cotton	4851
		Jute	805
		Others (Cash) Crops	41700

Livelihood Details

Sl. No.	Name of the Sub-division	Main Workers	Marginal Workers	Non-Workers
1	Sadar	337419	79201	885335
2	Baruipur	495200	113951	1342815
3	Canning	215656	97981	628371
4	D/Harbour	412173	140716	1283880
5	Kakdwip	217682	132781	523528

Roads & Railways



Sundarbans – A Brief Profile

Sundarban region is demarcated by the river Hooghly on the West, the Bay of Bengal on the South, the Ichamati-Kalindi-Raimongal rivers on the east and the Dampier-Hodges line on the North. It comprises of nineteen blocks (sixteen police stations) of North 24-Parganas and South 24-Parganas Districts of the State of West Bengal. They are Basanti, Canning-I, Canning-II, Gosaba, Joynagar-I, Joynagar-II, Kakdwip, Kultali, Mathurapur-I, Mathurapur-II, Namkhana, Patharpratima and Sagar in South 24-Parganas District and Haroa, Hasnabad, Hingalgaon, Minakhan, Sandeshkhali-I and Sandeshkhali-II in North 24- Parganas District. The land area measures about 9629 sq. km., of which 4493 sq. km. is inhabited by people and the rest is Reserve Forest. Approximate population of Sundarban region is 45 lakhs. About 80% of the population in Sundarbans is based on agriculture.

The Sundarbans is the largest single block of tidal halophytic mangrove forest in the world. The name Sundarban can be literally translated as "beautiful jungle" or "beautiful forest" in the Bengali language. The name may have been derived from the Sundari trees that are found in Sundarbans in large numbers. Alternatively, it has been proposed that the name is a corruption of Samudraban or Chandra-bandhe (name of a primitive tribe). But the generally accepted view is the one associated with Sundari trees.

The Sundarban forest lies in the vast delta on the Bay of Bengal. The seasonally-flooded Sundarbans freshwater swamp forests lie inland from the mangrove forests on the coastal fringe. It became inscribed as a UNESCO world heritage site in 1997. The Sundarbans is intersected by a complex network of tidal waterways, mudflats and small islands of salt-tolerant mangrove forests. The interconnected network of waterways makes almost every corner of the forest accessible by boat. The area is known for the eponymous Royal Bengal Tiger (*Panthera tigris tigris*), as well as numerous fauna including species of birds, spotted deer, crocodiles and snakes. The fertile soils of the delta have been subject to intensive human use for centuries, and the ecoregion has been mostly converted to intensive agriculture, with few enclaves of forest remaining. The remaining forests, taken together with the Sundarbans mangroves, are important habitat for the endangered tiger. Additionally, the Sundarbans serves a crucial function as a protective barrier for the millions of inhabitants residing in the southern part of West Bengal and Bangladesh against the floods that result from the cyclones. The Sundarbans has also been enlisted among the finalists in the New 7 Wonders of Nature.

Satellite image of South 24 Parganas District



This satellite image shows the forest in the protected area. The Sundarbans appears deep green, surrounded to the north by a landscape of agricultural lands, which appear lighter green, and streams, which are blue. Ponds for shrimp aquaculture, especially in Bangladesh, sit right at the edge of the protected area, a potential problem for the water quality and biodiversity of the area. The forest may also be under stress from environmental disturbance occurring thousands of kilometers away, such as deforestation in the Himalaya Mountains far to the north.

Table 11: Population of the Sundarbans Blocks of South 24-Parganas District (Census, 2011)

Sl. No.	Block / Municipality	Population 2011 (Provisional Population Totals)			
		Persons	Male	Female	Other
1	Basanti	336151	171549	164597	5
2	Canning - I	304704	155389	149304	11
3	Canning - II	252622	128926	123695	1
4	Gosaba	246682	126204	120478	0
5	Jaynagar - I	262336	135156	127176	4
6	Jaynagar - II	251206	129082	122122	2
7	Kakdwip	281502	144272	137226	4
8	Kultali	228988	117775	111213	0
9	Mathurapur - I	194715	100072	94638	5
10	Mathurapur - II	220068	113790	106277	1
11	Namkhana	182728	93506	89221	1
12	Patharpratima	331605	170081	161521	3
13	Sagar	211993	109827	102165	1
Total		3305300	1695629	1609633	38

Source: Data obtained from O/C, Census, South 24-Parganas

Table 12: Scheduled Castes (SC) Population and Scheduled Tribes (ST) Population of the Sundarbans Blocks of South 24-Parganas District (2001)

Type	Total	Male	Female	Percentage (Total)	Percentage (Male)	Percentage (Female)
Scheduled Castes (SC) Population	1045653	540294	505359	37.41	37.59	37.22
Scheduled Tribes (ST) Population	68787	34982	33805	2.46	2.43	2.49

Source: Census of India 2011

Table 13: Minorities Population of the Sundarbans Blocks of South 24-Parganas District (2001)

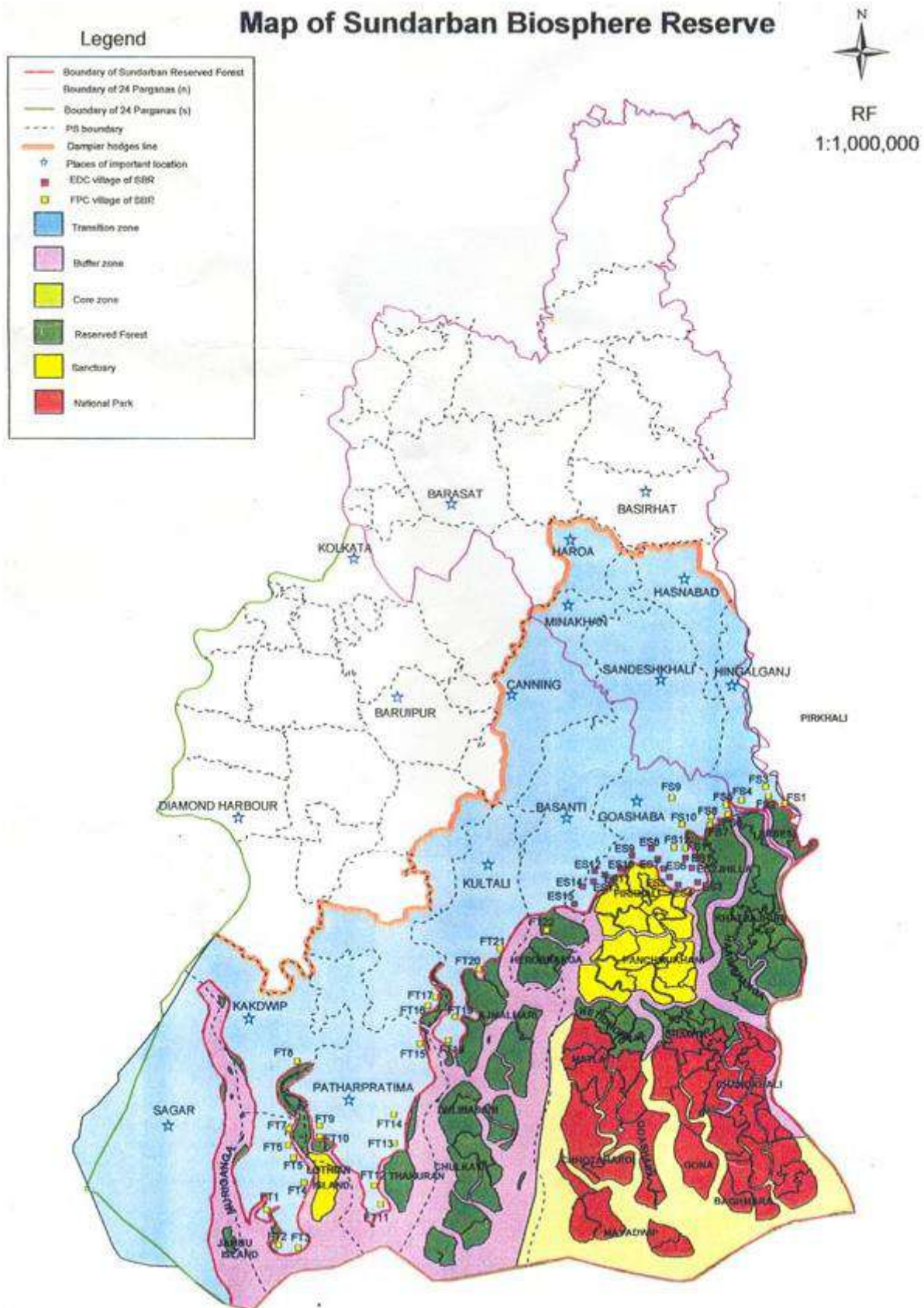
Type	Total Persons	Muslim Persons	% of Muslim	Other Minorities	% of Other Minorities	Total Minorities	% of Total Minorities
Minorities Population	2795154	779923	27.90	19131	0.69	799054	28.59

Source: Census of India 2011

Table 14: Total Households and Category wise BPL Households as per Rural Household Survey, 2005 (after disposal of Claims and Objections in 2009)

Type	Total Households	BPL Households	Percentage of BPL Households	BPL Households (SC)	BPL Households (ST)	BPL Households (Minority)	BPL Households (Others)
Sundarbans	669669	339819	50.74	53894	14728	52530	218667
District Total	1488874	655164	44.00	105863	18353	150481	380467

Source: Rural Household Survey, 2005 (after disposal of Claims and Objections in 2009)



Chapter 4: Standard Operating Procedure **(for Sub-divisional Flood / Tsunami / Cyclone relief)**

SALIENT GUIDELINES

1. All officers/staffs are to report in the respective areas as soon as any incident occurs. Nobody shall wait for orders from any quarters.
2. Doctors will proceed to the affected areas with medicines etc. and their whereabouts shall have to be known to the concerned circle officers/police station/police out posts.
3. G.R etc. shall be made available in the affected areas.
4. Rescue operation shall start whenever lives are threatened. Army/ Para military forces have kindly consented to help and the help should be sought for by the respective sector officers.
5. Veterinary doctors should have a cattle census report of villages with them. They will assess the actual loss of cattle lives during disasters. They will also assess the requirement of cattle feed and place requisition to the Sub-divisional Officer through SDO. They should also keep sufficient stock of medicines/vaccines etc.
6. Officers of the Sub-division, irrespective of department and designation, shall have to be present in the Head Quarters and available for duty. In case of their absence from the Head Quarters prior to the occurrence of flood/ Tsunami/ cyclones, they will have to report immediately to the respective Head Quarters.
7. Ignorance of occurrence of any incidents shall not be an acceptable excuse for any Government functionary to dodge relief/rescue duties.
8. GR etc. provided by the Government shall be distributed only by Government servants. Others may help and guide, but cannot take responsibility of any stock.

DUTIES AND RESPONSIBILITIES OF THE ZONAL OFFICERS

- (a) The zonal officers shall remain in close contact with their respective sector officers. They will convey all secessions taken by the Sub-divisional officer to the sectors officers immediately.
 - i. They should also liaise with the circle level flood relief committee and concerned Sub-divisional heads of offices like Medical/Vety / PHED etc.
 - ii. They shall confirm supply of sufficient copies of bank annexure-IV forms/boat requisition forms/GR requirement form and other relief materials, to their sector officers.
 - iii. They should visit all the sectors along with the sector officer together prior knowledge of the area and suggest measures to the SDO which need special attention only.
 - iv. They will assist the sector officers to form the sector level flood / Tsunami / cyclone relief committees. They should also collect names of volunteers/ NGOs to form relief & rescue parties.
 - v. They will prepare a map showing (a) The sectors (b) The highly flood prone villages indicate in yellow & orange colour only.
 - vi. They will identify the proposed relief camps along with the sector officer and appoint the head of the institution as the relief camp in-charge, if necessary.

- vii. They must keep on informing the situation formally over telephone or any other communication.
- viii. Survey & assessment of affected areas shall be carried out only by authorized Govt. officers. Any other agencies conducting similar exercise shall to do so at their own expenses.

DUTIES OF SECTOR OFFICERS

- (a) The sector officer will visit the respective areas at least 3-4 times and collect the basic data of his sectors. He will assess the requirement of GR/other relief materials/POL for boats and submit the same to his concerned Zonal Officer/Addl. Zonal Officer.
- (b) He will maintain register of GR etc. boat (both country & engine with capacity)/ POL issued etc.
- (c) He will collect the necessary requirement forms etc. from the relief Branch, SDO's office well ahead.
- (d) He will identify & arrange the relief camps & appoint in-charge of camp. Head of institutions, where camps are established, should be the first option for appointing as camp in-charge.
- (e) He will ensure the fair & proper distribution of GR etc. and maintain the APRs simultaneously in duplicate. He will also contact, before /during the incident the concerned officers of Medical/ Vety/ PHED/ Local police/Army & Para military forces and collect their address & telephone numbers.
- (f) He will maintain a population register village-wise and do the exercise to divide the village population into adult & minor population, approximately to the nearest.
- (g) He will identify all the roads/ bridges/ culverts, standing crop areas/ habitation structures, embankments, dykes and keep records of everything.
- (h) He will form a sector level/flood relief committee in consultation with his zonal officer/addl. zonal officer immediately with the following members:
 1. Sector Officer Chairman.
 2. Secy. of the nearest GP Secretary
 3. The president/VP pf. the GPs Members
 4. The local head masters of school, active NGOs, nearest police station/out post personnel as members

The Sector Officer should keep all records properly & neatly and hand over the records to his zonal officer as soon as the flood relief operation is declared over.

Actions to be performed by all Heads of the Line Departments

- i. All Sub-divisional heads of the department will supervise, control and give guidance regarding services to be rendered and relief measures to be undertaken by his department.
- ii. He will coordinate the matters relating to floods, Cyclones or Tsunamis among zonal officers and district officers under his control.
- iii. Coordinate with the DC/SDO in rendering assistance in relief work by his subordinate officers.
- iv. Issue detailed instructions to his subordinate formations regarding duties and responsibilities at different levels and at different stages of relief operations viz., before, during and after disasters, nature and extent of initial preparation for the incident, built up and maintenance of tools, equipment and other stores.

v. Send the daily/ weekly/ fortnightly/monthly report about the real situation and measures taken by the department to the Control Room.

SOP of line departments during different stages of floods/Cyclones/Tsunamis:

Operating Procedure for Agricultural Department:

Before Flood/Cyclone/Tsunami:

1. SDAO will undertake extension measures in the generally affected areas and advice the farmers about the use of flood / Cyclone / Tsunami tolerant varieties and other cultural practices as per the latest result of research available.
2. He will advise the dates after which sowing/ transplanting should not be undertaken and advice on the suitable cropping patterns.
3. The SDAO will visit the generally the affected areas and classified as most vulnerable to least vulnerable areas
 - a. Make an assessment along with the Revenue staff of the acreage under crops and number of cultivators likely to be affected in each of the areas and forward the same to the Deputy Commissioner, South 24 Parganas;
 - b. Prepare a block-wise agricultural map showing areas under different crops of the flood/tsunami/cyclone affected areas and forward a copy to each to the Deputy Commissioner, South 24 Parganas;
 - c. Assess requirement of and assist DC in arranging seeds, seedlings and manures for grant; agricultural loans in cash and kind (seed, seedlings, manures, agricultural implements, bullocks, etc.);
 - d. Assess requirement and arrange for pesticides for protection of crops after the incident and tools and plants for relief works.

During Flood/Cyclone/Tsunami:

On receipt of flood/cyclone/Tsunami warning SDAO will-

- a. Alert all his subordinate officers and field staff;
- b. Check stock of seeds, manures, implements etc. and make arrangements for raising seedlings; and
- c. Draw up a tentative programme for relief works

On occurrence of the incident, he will keep in constant touch with the DC/SDO. He will-

- a. Immediately collect agricultural statistics along with Revenue staff about acreage under crops affected by flood/Cyclone/tsunami damage to crops and number of cultivators involved;
- b. Arrange distribution of agricultural inputs in consultation with the SDO;
- c. (i) render technical guidance to the needy cultivators for salvage and protection of surviving crops and raising of such varieties of crops as may be suitable during the season or in the next crop season;
- (ii) Arrange for spraying of pesticides, where necessary; and
- (iii) Approach Flood Control Department for removal of excessive sand deposits in agricultural fields which cannot be removed by an individual farmer's efforts.

He will constantly visit the flood affected areas to ensure effectiveness of agricultural relief and rehabilitation measures.

After Flood/Cyclone/Tsunami:

After the flood relief operation he will-

- i. Restore the tools and plants;
- ii. Repair the damaged tools and plants;
- iii. Dispose of undistributed seeds and manures etc., which cannot be kept for use beyond a particular crop season.

Operating Procedure for Education Department:***Before Flood/Cyclone/Tsunami:*****1. The Inspector of Schools**

- (i) prepare a list of govt. and aided schools in the most vulnerable to least vulnerable areas(zone/sector wise) showing particulars of building i.e. location, accommodation in sq. meters etc. in respect of each school and forward a copy of the list to the D.C./S.D.O.
- (ii) prepare a list of teachers and other staff who may be available from each school for flood/cyclone/tsunami relief work if so required by the DC/SDO and forward a copy of the list to the DC/SDO.
- (iii) collect from the O/C, NCC of the district a list of suitable NCC cadets(zone/sector wise), who will be available for relief work if required by DC/SDO and forward a copy of the same to the DC/SDO.

During Flood/Cyclone/Tsunami:

On receipt of warning he will-

i. Request with intimation to DC/SDO-

- a. School authorities to alert the teachers and other staff as per list prepared vide 1(ii) above; and
- b. O/C, NCC to alert the NCC cadets as list obtained vide 2(iii) above, to be ready to move for flood/cyclone/tsunami relief duties as soon as requisitioned by DC/SDO;
- ii. Order for closure of a school, the building of which has been requisitioned by the DC/SDO for utilizing as evacuation/ relief centre.
(Except under special circumstances a school building is not requisitioned for more than 15 days.);
- iii. Order for closure of any school in the flood affected areas if necessary upto 15 days. He will take the approval of the DPI of closure of a school beyond this period is considered necessary.

3. Visit the affected areas and assess if any educational concession/ assistance is required to be given to the affected students/ institutions due to disasters. If so, draw up scheme on priority basis and submit to government in Education Department through DC/SDO(copy to DPI for sanction and allotment of funds)

Operating Procedure for Forest Department:***Duties of Divisional Forest Officer before Flood/Cyclone/Tsunami:***

1. The Divisional Forest Officer will visit the generally the affected areas and classified under most vulnerable to least vulnerable areas

- (i) take precautionary measures against unauthorized occupation of forest land or lifting of forest produce or damage to the forest by the affected people; who might take shelter in those forests; and
- (ii) make a rough assessment of firewood, poles, thatch and any other material used for constructing temporary huts which will be available in the forests located nearest to those affected areas.

During Flood/Cyclone/Tsunami:

On receipt of request from the SDO, the DFO/SDFO will-

- i. Issue permission for lifting poles, grass and other materials for constructing huts and firewood for government relief work. He will indicate the forests from which the supplies will be taken. The materials will be collected by officers of PWD or other Civil officers in direct charge of the works by making prior arrangement with the forest officer-in-charge so as to avoid any indiscriminate removal of forest produce or damage to the forests.
- ii. Lend tents, tarpaulins etc., as available, for opening of relief camps, if required, and also ensure that these are collected as soon as the relief operation is over; and
- iii. Issue permission to remove forest produce at prescribed royalty rates to the affected people on a certificate of the DC/SDO or an officer nominated by him.

Note: *Great care should be taken that these concession do not strike at the root of the safety of the forests themselves and their conservation.*

Operating Procedure for Health Department:

Before Flood/Cyclone/Tsunami:

The Sub-divisional Medical & health Officer will visit the affected areas, classified under most vulnerable to the least vulnerable.

(1) Prepare -

- (i) A list of hospitals, primary health centers, dispensaries and other institutions located in these areas;
- (ii) A list of doctors and para-medical staff already available in each of the areas and the numbers of additional hands of each category that may be required in each of the areas in case of acute floods/Tsunamis or cyclones;
- (iii) A list of doctors and para-medical staff of different category who can be withdrawn from their places of work and their services utilized for relief work;

(2) Ensure that adequate stocks of medicines, vaccines and disinfectants likely to be necessary are kept at the district and sub-divisional headquarters;

(3) keep ready in the district/sub-divisional headquarters material for -

- (i) Augmenting the hospital beds by at least 10 in case of necessity; and
- (ii) Opening one camp dispensary for each of the most vulnerable areas.

(4) Arrange for mobilizing at short notice two medical relief teams at the district headquarters so as to rush them for relief work;

(5) Prepare a detailed plan for utilizing the doctors, nurses and other staffs, material resources and other voluntary organizations in the district during flood/cyclone/tsunami if so required; and

(6) Take measures for prevention of epidemic and arrange vaccinations against small pox, cholera/typhoid or any water borne diseases of the people in those areas.

During Flood/Cyclone/Tsunami:

A. On receipt of flood/cyclone/tsunami warning, he will –

- (1) Alert the doctors and para-medical staff for floods;
- (2) Inform S.D.O./S.D.P.O. for arranging transport for staff and ambulance services to be available at short notice, if departmental vehicles are not available; and
- (3) Check personnel, equipment and medical stores.

B. On occurrence of the incident he will –

- (1) Maintain close touch with the S.D.O.
- (2) Immediately visit the affected areas along with one medical relief team;
- (3) Start measure for health relief at a primary health center /dispensary/sub-center, if such an institution is located conveniently in those affected areas;
- (4) Make immediate arrangements to open camp dispensaries in the affected areas if the existing health institutions can not cover the areas;

(5) Decide immediately whether isolation of certain patients is necessary and desirable and, if so, construct temporary isolation beds in the primary health center/dispensary as may be convenient. He will also post the required additional staff for maintaining the isolation.

(6) Decide whether hospitalization of certain patients is necessary and if so establish temporary hospital facilities in the nearest PHCs/hospitals. He will also post the required staff for maintaining the hospital facilities. He will also arrange transport for the patients to the hospital;

- (7) (i) Decide the extent of the health measures to be taken and work out whether additional medical relief teams could be required. If so, he will mobilize staff within his district and deploy them. If the staff is not sufficient or cannot be disturbed, he will telegraphically request the director of health services/principal of the nearest medical college to send medical relief team from the medical collage;
 (ii) Entertain for short period additional para-medical and grade-IV staff, as may be absolutely necessary;
 (8) Utilize the services of Red Cross and the voluntary organizations, as may be forthcoming, in rendering relief in the affected areas ;
 (9) Arrange other relief measures like disinfections of water sources, vaccination, health education etc. from the nearest P.H.C. with the help of staff attached to those institutions; and
 (10) Frequently visit the affected areas and ensure effectiveness of health measures.

After Flood/Cyclone/Tsunami:

he will –

- (1) Restore equipment and stores;
- (2) Repair/replace damaged equipment; and
- (3) Arrange for disposal of unutilized medicines and disinfectants.

The D.H.S. will arrange

- (1) (i) training of general public in the most vulnerable areas to the Flood/Cyclone/Tsunami, health education measures which are to be implemented prior to the Monsoon season, through specially prepared mass media, like posters, pamphlets, filmstrips and cinema shows;
 (ii) printing of adequate numbers of health education materials and sending them to the D.H.Os
- (2) With the principals of the medical collages that they keep ready six medical relief teams, each consisting of about 10 doctors and supporting staff so that the teams can be rushed to the affected areas at a very short notice. The teams should be equipped to move with their own medicines, tents, food stuff, cooking utensils, lanterns, etc. so that they can function as self-contained units without depending on the D.H.Os.
- (3) Through the training of medical officers and para medical personnel covers medical care and prevention of epidemics during natural calamities, refresher's course will be arranged by the D.H.S. with emphasis on special problems on care and prevention during and after Flood/Cyclone/Tsunami.

The course may consist of –

- a. first-aid course by demonstration and practice;
- b. prevention of epidemics lectures and practical demonstration in application of insecticides and disinfectants and disposal of dead bodies etc. ; and
- c. Emergency sanitation-lectures and demonstration on purification of water, disposal of sewage, construction of temporary latrines, maintenance of cleanliness.

Operating Procedure for Inland Water Transport Department:

Before Flood/Cyclone/Tsunami:

- A. The SDO/SO, Inland water Transport will visit the affected areas, classified as most to least vulnerable and he will
 1. Keep all vessels, marboats, single boats in fit for operation condition;
 2. Check the personnel and arrange the tools and plants, spares and other stores for relief operation; and
 3. Prepare an estimate of POL consumption per hour and total carrying capacity available of relief boats and other vessels and inform the DC/SDO.

During Flood/Cyclone/Tsunami:

B. On receipt of Flood/Cyclone/Tsunami warning the SDO/SO, IWT will maintain close touch with the DC/SDO and will-

1. Alert his subordinates to keep themselves ready for the incident;
2. finalize the arrangement for deployment of relief boats and other vessels with necessary tools and plants and other stores;
3. draw up tentative programme for carrying out duties; and
4. Take up with E.E., I.W.T., South 24 Parganas for arranging additional vessels, stores, and spares, if necessary.

C. On occurrence of Flood/Cyclone/Tsunami, he will take action as follows :

1. place the relief boats and other vessels as directed by the S.D.O. to the affected areas and start relief operation ;
3. Undertake constant tours to the affected areas and ensure adequacy of the arrangements made.

After Flood/Cyclone/Tsunami:

After the operation, he will-

1. restore relief boats, other vessels' equipments and stores; and
2. Take steps for repair to damaged boats/vessels.

Operating Procedure for Irrigation Department:***Duties of the Exe. Engineer/ Asst. Exe. Eng., Irrigation Dept. before Flood/Cyclone/Tsunami:***

A. Executive Engineer/ Asst. Exe. Eng., Irrigation, will visit all irrigation works in his jurisdiction with special emphasis to the most vulnerable to least vulnerable areas, and he will

1. Check and ensure that the canals and other structures for irrigation in these areas are in good condition;
2. Check against unauthorized construction likely to damage any structures of irrigation department;
3. assess requirement and arrange for tools and plants and other stores;
4. keep vehicles, tractors, bull-dozers etc. under his division in good running condition;
5. for test relief work in the vulnerable areas –
 - a. prepare tentative list of works; and
 - b. Check provision already made in approved schemes for these areas.

During Flood/Cyclone/Tsunami:

On receipt of early warning, he will –

1. Keep close touch with the D.C./S.D.O.
2. Alert staff : and
3. Check –
 - a. Arrangement for tools and plants, stores etc. : and
 - b. Vehicles, trucks, bull-dozer etc.

On occurrence of Flood/Cyclone/Tsunami, he will –

1. Visit the irrigation works in the affected areas;
2. Lend to S.D.O. materials (if available), for temporary relief camp, vehicles etc. if required ;
3. Assess requirement and deploy staff for –
 - a. Suggesting to S.D.O. for undertaking of irrigation works on test relief and rendering him technical assistance as necessary; and
 - b. Staking safety measures for protection of irrigation canals and other irrigation works.
4. Frequently visit the affected areas and ensure measures for safety of irrigation structures ; and
5. For test relief –
 - a. Finalise list and start works; and

b. Take up labour intensive item of any approved plan scheme in the areas by engaging affected people.

After Flood/Cyclone/Tsunami:

After the operation he will –

1. Restore tools and plants, stores etc.;
2. Repair/replace damage tools and plants; and
3. Collect materials, vehicles etc. lent to S.D.O.

Operating Procedure for Public Works Department:

Before Flood/Cyclone/Tsunami:

A. The Asst. Executive Engineer will visit the generally the affected areas(most to least vulnerable), which are within his jurisdiction and he will

1. Ensure that -

- (i) The road-side materials are stacked in proper places as are not to be washed away during floods/tsunamis or water logging ;
- (ii) The passage of all cross drainage works(bridges and culverts) is clear, free from obstructions to allow easy flow of the flood water ;
- (iii) The protective works, as exist in culverts and bridges and road approaches flanking such structure will have been repaired as necessary ;
- (iv) The bailey bridges, single boats engine driven mar boats, bull dozers, road rollers, trucks and other vehicles of the division are in good running condition ;
- (v) Materials for constructing temporary bridges and camps for P.W.D. workers are available in stock according to the limit prescribed by the Chief Engineer, P.W.D.; and
- (vi) Soundings are taken as necessary for structures, situated below the water level as obtaining in April, and necessary drawings prepared for subsequent reference during the incident.

2. Assess stocks of C.I. sheets, tarpaulins and other materials as are generally used for tents and temporary huts in relief camps, which may be available for lending to the S.D.O., if required ;

3. Assess and prepare list of staff of different categories for duties in the affected areas and make necessary arrangement; and

4. Arrange reserve stock of tools and plants and other stores at scales prescribed by the Chief Engineer, PWD

During Flood/Cyclone/Tsunami:

On receipt of early warning, he will –

1. Under emergent conditions keep constant and continuous contacts with the concerned Deputy Commissioner/Civil sub-Divisional officers;
2. Alert his subordinate staff for the upcoming disasters; and
3. Draw up tentative programme of the measures to be taken.

On occurrence of Flood/Cyclone/Tsunami, he will –

1. Immediately visit the affected areas ;
2. Assess requirement and deployment staff for –
 - i. Keeping round the clock vigil of the roads, bridges etc, which are threatened by the incident ;
 - ii. Restore communication within the shortest time possible in all National High ways, state roads and District roads in consultation with the superintending engineer. In case of village roads at least Pedestrian traffic has to be restored ;

- iii. Keeping proper vigil that no unauthorized cuts are made in P.W.D. roads for draining out of flood water ; and
- iv. Taking measures for –
 - a. Preservation of P.W.D. building and other works in the affected areas ; and
 - b. Prevention of encroachment on Government lands under his charge.

3. Report telegraphically of the road submergence to the D.C., S.E.C.E. and Secretary, P.W.D. immediately after the occurrence indicating concisely the location and extent of submergence, the fact of closure of traffic ;

4. Report telegraphically the nature and extent of damage during Flood/Cyclone/Tsunami even where there is no subsidence or after subsidence of flood water, as the case may be and if the traffic is closed as a result thereof;

5. Press into service bailey bridges, single boats, engine-driven mar boats, vehicles (as available) for rescue operations and tran-shipment of marooned people, livestock etc. as may be required by D.C./S.D.O., for the position of mar boats and single boats.

Note: A fleet of relief boats (single-engine driven or ordinary as may be suitable or capable of plying in shallow and rough water) may, as far as practicable, be maintained and kept at different ferry points in the most vulnerable areas so as to press them into service in case of any Flood/Cyclone/Tsunami.

6. Render technical assistance as may be required by the S.D.O. in constructing temporary huts in relief camps and in other test relief works, such as repairs to damaged village roads, culverts, bridges, new village roads etc. ; and

7. Lend C.I. sheets/tarpaulins/other building materials, as available, when required by the S.D.O. for constructing temporary huts in relief camps and obtain written receipt from the officer deputed for such purpose by the S.D.O.

After Flood/Cyclone/Tsunami:

He will –

- 1. Restore tools and plants ;
- 2. Repair/replace damaged tools and plants ;
- 3. Collect materials, if any, lent to S.D.O. for creating temporary structures in relief camps ;
- 4. Take steps for repairs to damaged roads, culverts, bridges and buildings and other structures borne in the books of P.W.D. ;
- 5. Telegraphically report to D.C., S.E., C.E., and Secretary, P.W.D. as soon as after restoration of communication and also intimate the expenditure/liability uncured thereof ;
- 6. Prepare detailed estimate which should also include the expenditure/liability incurred for restoration of traffic, giving the cost appraisal for restoration of the road surface/structures to the original condition and submit together with the statement.

Operating Procedure for Public Health Engineering Department:

Before Flood/Cyclone/Tsunami:

A.The Executive Engineer/ Asst. Executive Engineer, Public Health Engineering will visit the affected areas(most to least vulnerable), and he will

- 1. Assess measures likely to be required for safe water supply in these areas ;
- 2. Prepare –

- i. A list of engineering personnel of different categories already available in the nearest PHE divisions and the number of additional hands that may be required in each area in case of heavy water logging/floods/Tsunamis ;
 - ii. A list of engineering personnel of different categories who, in case of necessity can withdrawn form their place of work and utilized for relief work ;
3. Arrange for mobilizing at short notice two PHE teams at the district headquarters to rush them for relief work ;
4. Ensure adequate stocks of –
- a. Equipment and materials for sinking tube-well, ring well, water reservation etc., in the relief camps and other places in the affected areas ; and
 - b. Camp materials and other stores for workers and keep them in appropriate places ;
 - c. Keep the departmental vehicles in good running condition.

During Flood/Cyclone/Tsunami:

A. On receipt of early warning, he will –

- ii. Alert subordinate officers and staff; /
- iii. Check vehicles, equipment, stores etc. ; and
- iv. Draw up tentative programme of action.

B. On occurrence of Flood/Cyclone/Tsunami, he will –

- i. keep close touch with the D.C./SDO.
- ii. Visit the flood affected areas immediately with one PHE team and start water supply measures;
- iii. Assess extent of water supply measures required and deploy necessary staff. If the staff available in the district is not sufficient to cope with the situation, arrange through C.P.H.E., additional staff ; and
- iv. Constantly visit the affected areas and ensure adequate safe water supply measures.

After Flood/Cyclone/Tsunami:

A. After the operation, he will –

- i. Restore tools and equipment, stores etc. ; and
- ii. Repair/replace damaged tools and equipment.

Operating Procedure for Police Department:

Duties of Sub-divisional Police Officer before Flood/Cyclone/Tsunami:

A. The S.D.P.O. will visit the generally affected areas(least vulnerable and most vulnerable areas) and he will

1. (i) prepare a list indicating the number of police personnel and home guards likely to be deployed in addition to the police personnel in the existing police stations and out posts in each such areas. He will indicate his requirement of home guard through district magistrate ;
- (ii) Take into consideration the police measures taken in the respective areas during the past 2-3 years, The list regarding the home guards will be prepared by him in consultation with the Commandant, Home Guards of the district;
2. Keep the police vehicles, equipment etc. in good working condition ;
3. Prepare a tentative list of vehicles likely to be required for requisition for patrolling, rescue operation, evacuation of affected people, live-stock, transport of relief workers and carrying relief articles ;
4. Arrange for required number of police wireless sets to be kept in readiness for temporary installation in the affected areas; and
5. Stock the required equipment and stores.

During Flood/Cyclone/Tsunami:

B. On receipt of the early warning, the S.D.P.O. will –

1. Alert the police personnel to be ready for relief operations ;
2. In respect of the home guards as per list prepared under para A.1(i) request the district magistrate to call for the services of the home guards to issue directions ;
3. Draw up tentative programme of action by police personnel and home guards; and
4. Check vehicles, equipment and stores for relief operation.

C. On the occurrence of Flood/Cyclone/Tsunami, the S.D.P.O. will maintain close contact with the D.C./S.D.O./S.P. He will be responsible for –

1. Maintenance of law and order ;
2. Collection of intelligence report about the incidence of crime following the Flood/Cyclone/Tsunami and take effective measures to prevent and investigate such crimes ;
3. Assisting in rescue operation and evacuation or transfer of affected people to relief camps or safer places ;
4. Helping strayed persons to re-establish contact with members of their families or relations ;
5. Taking care and salvaging property including livestock of the affected people ;
6. Posting of police guards at vital installations and arranging guard for relief materials at the relief camps ;
7. Rendering assistance in restoration of means of communications (police wireless will be commissioned if necessary) ;
8. Arranging special patrol on lines of communications, along with relief materials are carried ;
9. Arranging required number of vehicles in addition to the available police vehicles, by requisition or otherwise ; and
10. Undertaking constant tours for effective police measures.

After Flood/Cyclone/Tsunami:

D. After the relief operation he will –

1. Restore vehicles, equipment and camp materials ; and
2. Repair/replace damaged equipment.

Operating Procedure for Veterinary Department:***Before Flood/Cyclone/Tsunami:***

A. Sub-divisional Animal Husbandry and Veterinary Officer will visit the generally the affected areas and he will

1. assess requirements of veterinary measures to be taken in these areas and arrange –
 - i. veterinary assistant surgeons, veterinary field assistants and other staff
 - ii. equipments, medicines, vaccines, disinfectants etc.;
 - iii. materials for opening first aid centers and camp dispensaries ;
 - iv. to locate suitable high places for sheltering live-stock from affected areas;
 - v. mobilizing at short notice two or more veterinary teams at the district headquarters for relief work in case of an emergency ;
 - vi. keeping at prescribed scales all essential equipments, medicines, vaccines, disinfectants in every hospital dispensary, first aid Centre in these areas to be readily available for relief ;
 - vii. fodder like hay and green grass from live-stock fodder farms or from the other sources; and
 - viii. Measures for prevention/combating a situation like wide-spread disease in epidemic form among animals.

2. Assist the Deputy Commissioner in arranging with local traders for supplying animal feed at reasonable price if required during the disasters ; and

3. Prepare a veterinary map for these areas showing veterinary hospitals, dispensaries, first aid Centre, A.I. sub-centres and cattle populations covered by each of these institutions and forward a copy each to D.C. and Director of Animal Husbandry and Veterinary.

During Flood/Cyclone/Tsunami:

B. The S.D.A.H. & V.O. on receipt of flood warning will –

1. alert the subordinate officers and field staff ;
2. check and arrange personnel stores, equipment, vehicles etc. ; and
3. Draw up tentative programme of relief work.

C. On occurrence of Flood/Cyclone/Tsunami, he will –

1. keep close touch with the D.C/S.D.O. ;
2. visit the Flood/Cyclone/Tsunami affected areas immediately with a veterinary relief team and start relief measures ;
3. arrange with the help of S.D.O. shifting of live-stock to suitable high places ;
4. assess extent of veterinary services require and deploy necessary staff. If the staff available for relief work in the district is not sufficient, arrange drafting of additional staff from out side the district through the Director of Animal Husbandry and Veterinary ;
5. open first aid centre and camp, dispensaries if the existing first aid centers, dispensaries if the existing first aid centers, dispensaries and hospitals are not sufficient ;
6. (i) assist public in taking preventive measures against any epidemic among live-stock ; and
(ii) take measures to vaccinate all susceptible livestock against such diseases ;
7. arrange and distribute feed and fodder for the animals as directed by the S.D.O.; and
8. constantly visit the affected areas and ensure effectiveness of the measures .

After Flood/Cyclone/Tsunami:

D. After the flood he will –

1. restore equipment and stores ;
2. repair or replace damaged equipment ;
3. arrange disposal of balance medicines or replenish stock of medicine and stores ;
4. take steps for repair of damaged veterinary buildings.

Operating Procedure for Publicity Department:

Before Flood/Cyclone/Tsunami:

The District Information and Public Relation Officer will generally visit the affected areas and he will –

- (1) make as assessment of the publicity requirements of the compact zones in the sub-division as mentioned above ;
- (2) make a list of the requirements of staff for deployment of publicity units in the zones for publicity works ;
- (3) keep the departmental vehicles in good running condition for publicity duties in the affected areas ;
- (4) arrange for equipment, POL for vehicles, etc. necessary for publicity works in these areas; and
- (5) Intimate the Deputy Commissioner, Sub-divisional Officer requirement of vehicles, if departmental vehicles are not sufficient. He will keep close liaison with the Deputy Commissioner/Sub-Divisional Officer and the district level officers of the department directly concerned with relief operation, namely – Flood/Cyclone/Tsunami Control, Agriculture, P.W.D., P.H.E., I.W.T, Police, Forest, Social Welfare and Education for giving advance publicity as may be necessary prior to the occurrence of Flood/Cyclone/Tsunami through all available media.

He will ensure that the facilities for press communications remain undisturbed during the Monsoon season

- (1) utilize the police radio channel for transmission of urgent and important press messages, when necessary; and
- (2) Maintain close liaison with the local press and all media heads stationed in the district including the directorate of field publicity, Government of India and secure their co-operation in the publicity measures.

During Flood/Cyclone/Tsunami

On receipt of the early warning he will –

- (1) alert the staff;
- (2) check personnel and equipment ; and
- (3) Arrange publicity, through available means, of warning in the areas likely to be affected by Flood/Cyclone/Tsunami and instruction for evacuation of people from the very vulnerable areas as may be required by the Deputy Commissioner.

On occurrence of Flood/Cyclone/Tsunami he will –

- (1) immediately visit the affected areas and ascertain the publicity requirements ;
- (2) Continue to maintain close liaison with the D.C./S.D.O.s and other officers as mentioned above
- (3) deploy publicity units fully equipped, as may be necessary to assist the D.C./S.D.O. in carrying out publicity works in the flood affected areas ;
- (4) if the staff and equipment available at his disposal are not sufficient, request the Director of Information and Public Relations at once to deploy Publicity units from outside his district ;
- (5) install P.A. systems in the evacuation/relief centers as may be required by the D.C./S.D.O.;
- (6) issue press messages by all available means timely and regularly to the All India Radio, newspapers and to the Joint Director of Information and Public Relations, Dispur regarding the situation and relief measures ; and
- (7) Frequently visit the affected areas to ensure effectiveness of the publicity measures.

Operating Procedure for Social Welfare Department:

Before Flood/Cyclone/Tsunami:

The District Social Welfare Officer will generally visit the affected areas, which are within his jurisdiction, and will

- (1) (i) make arrangements for mobile units of maternity and child welfare centers likely to be necessary in the affected areas ;
- (ii) draw up nutrition programme for the children below 6 years and expectant/nursing mothers in flood prone areas ;
- (iii) make arrangement for taking care in the relief centers of orphans, in firms and destitute ; and
- (iv) assess requirement and arrange for milk powder, baby food etc.

(2) make –

- (i) a list and the facilities of voluntary social welfare organizations located in the district which may be associated, in case of necessity, in relief operation; and
- (ii) a list of personnel for rendering services in the relief centers .
- (3) keep vehicles in good running condition.

During Flood/Cyclone/Tsunami:

On receipt of the early warning he will –

- (1) keep constant touch with the SDO; and
- (2) Alert personnel for floods.

On occurrence of Flood/Cyclone/Tsunami, he will –

1. See that orphans, infirms and destitute accommodated in the relief/evacuation center are properly taken care of;
2. Requisition the services of the voluntary social welfare organizations for rendering assistance as and when necessary;
3. Organize running of kitchen, if required by the SDO;
4. Shift the destitute, where necessary, to the destitute homes; and
5. Arrange and supply milk powder, baby food etc. to the children, expectant/nursing mothers as per nutrition programme.

Chapter 5: Action Plans for Disaster Management-2018 **(Preparedness, Response and Mitigation)**

MULTI – HAZARD DISASTER MANAGEMENT PLAN

Introduction

Situated at the funnel shaped Bay head in the eastern sea board of India, South 24-Parganas, the largest district of West Bengal is also one of the most densely populated one with a population of over 70 lakhs at present. The Sundarban Biosphere Reserve which is home to hundreds of species of animals, birds & plants, is also located in this District. Owing to its unique geographical location the entire ‘Sundarban Biosphere Reserve’ and especially the 13 thickly populated riverine blocks of the District are under constant threat of powerful nor’westers, bay cyclones, tidal surges and constant change of courses by the numerous distributaries in the active part of the delta. The basin like islands, till date protected by about 3500 Km. long earthen embankments which are mostly 150 years old are being weakened everyday by the swirling currents that scour at their bases and by tidal surges coupled with strong winds.

Being a part of the active delta of the Ganga, South 24-Parganas is basically a district of islands interspersed by many streams and a maze of innumerable distributaries and fearfully wide tidal creeks. It is very sad to admit that to most of these islanders’ wide roads, safe water transport, safe jetties or bridges, electricity or telephones are till date – distant dreams. They do not have many strong and high buildings that can be used as shelters during large scale disasters and they hardly have any large vessel to help large scale evacuation.

As such there is a need of having a well organised Disaster Management set-up armed with a properly designed Multi-Hazard Disaster Management Plan to cope with the vagaries of natural disaster.

OBJECTIVE OF THE PLAN

Being a disaster prone district as mentioned above the 'District Disaster Management Plan' is prepared with the following objectives in mind:-

- 1) Development of district specific Disaster Management framework.
- 2) Risk and vulnerability analysis of the hazards.
- 3) Development of District Disaster Preparedness and Mitigation Plan.
- 4) Development of Crisis Management System, so as to ensure quickest possible relief to the disaster affected people to minimize their sufferings and rehabilitating them with optimal utilisation of Resources.
- 5) To maintain proper liaison among the Disaster Managers, Community and Volunteers for achieving the above objectives.

Disasters

Disasters are a combined result of hazards and vulnerabilities. They occur when the adjustment capacity of the affected communities and individuals exceeds their ability to cope with a crisis. It is an extreme state of everyday life in which the continuity of community structures disrupts temporarily but trailing behind it a long-term infrastructure and economic development to maintain normalcy for years together.

Types of Disasters

The common disasters experienced in the District are listed below.

Common Natural Disaster	Man-made Disasters
~:Cyclone::~	~:Fire::~
~:Tidal Wave::~	~:Food Contamination::~
~:Flood::~	~:Boat Capsize::~
~:Water logging::~	~:Arsenic Contamination::~
~:Hail Storm / Whirl wind::~	~:Accident- Road & Railway::~
~:Lightning Strike::~	~:Industrial Pollution::~
~:Drought::~	~:Rasta Roko. :::~
	~:Breach of river embankments::~
	~:Chemical Hazards::~

History of Disaster and Probability of Disaster episodes in the District

Type of Hazard	Year of Occurrence	Area affected	Impact of Life	Live stock	Remark
Cyclone	2006	1.Budge-Budge-II	Mild	Affected to a great extent	Possibilities of damaging dwelling houses particularly in coastal area
		2. Kultali	Severe		
		3.Joynagar-II	Moderate		
		4.Canning-I	Do		
		5.Gosaba	Severe		
		6.Basanti	Do		
		7.Mathurapur-II	Moderate		
		8.Kulpi	Severe		
		9. Kakdwip	Do		
		10. Namkhana	Do		
		11. Sagar	Do		
		12. Patharprotima	Do		
	2009 (AILA)	All Blocks of this district	Severe	Affected to a great extent	Possibilities of damaging dwelling houses particularly in coastal area
Flood	1978	All Blocks of this district	Severe	Affected to a great extent	Possibility damage of kutch houses is very high.
	1986	1.Budge-Budge-II	Mild		
		2. Kultali	Severe		
		3.Joynagar-II	Moderate		
		4.Canning-I	Do		
		5.Gosaba	Severe		
		6.Basanti	Do		
		7.Mathurapur-II	Moderate		
		8.Kulpi	Severe		
		9. Kakdwip	Do		
		10. Namkhana	Do		
		11. Sagar	Do		
		12. Patharprotima	Do		
Flood like Situation	2015	All Blocks of this district	Severe	Affected to a great extent	Possibility damage of kutch houses is very high
Boat Capsize	2010	Kakdiwp	Severe	Affected to a great extent	

Type of Hazard	Year of Occurrence	Blocks	Mouzas	Impact of Life	Live stock	Remark
Drought	1998-99	1. Kakdwip	5	Moderate	affected to a great extent	Possibility of damage of crops for want of sufficient water.
		2. Sonarpur	12	-Do-		
		3. Baruipur	5	-Do-		
		4. Bishnupur	2	-Do-		
		5. Basanti	6	-Do-		
		6. Canning-II	5	-Do-		
		7. Gosaba	23	-Do-		
		8. Mograhat-I	4	-Do-		
		9. Mathurapur-I	6	-Do-		
		10.Patharprotima	2	-Do-		
Total			70			

Different types of Natural Calamities

1. Cyclones

~:Do's & Don'ts:~

Before the Cyclone season:

- Check the house; secure loose tiles and carry out repairs of doors and windows
- Remove dead branches or dying trees close to the house; anchor removable objects such as lumber piles, loose tin sheets, loose bricks, garbage cans, sign-boards etc. which can fly in strong winds
- Keep some wooden boards ready so that glass windows can be boarded if needed
- Keep a hurricane lantern filled with kerosene, battery operated torches and enough dry cells
- Demolish condemned buildings
- Keep some extra batteries for transistors
- Keep some dry non-perishable food always ready for use in emergency

Necessary actions

The actions that need to be taken in the event of a cyclone threat can broadly be divided into :

- Immediately before the cyclone season
- When cyclone alerts and warnings are communicated
- When evacuations are advised
- When the cyclone has crossed the coast

When the Cyclone starts

- Listen to the radio (All India Radio stations give weather warnings).
- Keep monitoring the warnings. This will help you prepare for a cyclone emergency.
- Pass the information to others.
- Ignore rumors and do not spread them; this will help to avoid panic situations.
- Believe in the official information
- When a cyclone alert is on for your area continue normal working but stay alert to the radio warnings.
- Stay alert for the next 24 hours as a cyclone alert means that the danger is within 24 hours.

When your area is under cyclone warning get away from low-lying beaches or other low-lying areas close to the coast

- Leave early before your way to high ground or shelter gets flooded
- Do not delay and run the risk of being marooned
- If your house is securely built on high ground take shelter in the safe part of the house. However, if asked to evacuate do not hesitate to leave the place.
- Board up glass windows or put storm shutters in place.
- Provide strong suitable support for outside doors.
- If you do not have wooden boards handy, paste paper strips on glasses to prevent splinters. However, this may not avoid breaking windows.
- Get extra food, which can be eaten without cooking. Store extra drinking water in suitably covered vessels.
- If you have to evacuate the house move your valuable articles to upper floors to minimize flood damage.
- Ensure that your hurricane lantern, torches or other emergency lights are in working condition and keep them handy.
- Small and loose things, which can fly in strong winds, should be stored safely in a room.
- Be sure that a window and door can be opened only on the side opposite to the one facing the wind.

- Make provision for children and adults requiring special diet.
- If the centre of the cyclone is passing directly over your house there will be a lull in the wind and rain lasting for half an hour or so. During this time do not go out; because immediately after that, very strong winds will blow from the opposite direction.
- Switch off the electrical mains in your house.
- Remain calm.

When Evacuation is instructed

- Pack essentials for yourself and your family to last a few days. These should include medicines, special food for babies and children or elders.
- Head for the proper shelter or evacuation points indicated for your area.
- Do not worry about your property
- At the shelter follow instructions of the person in charge.
- Remain in the shelter until you are informed to leave

Post-cyclone measures

- You should remain in the shelter until informed that you can return to your home.
- You must get inoculated against diseases immediately.
- Strictly avoid any loose and dangling wires from lamp posts.
- If you have to drive, do drive carefully.
- Clear debris from your premises immediately.
- Report the correct losses to appropriate authorities

2. Floods

~:Do's & Don'ts:~

What to do before a flood

To prepare for a flood, you should:-

- Avoid building in flood prone areas unless you elevate and reinforce your home.
- Elevate the furnace, water heater, and electric panel if susceptible to flooding.
- Install "Check Valves" in sewer traps to prevent floodwater from backing up into the drains of your home.
- Contact community officials to find out if they are planning to construct barriers (levees, beams and floodwalls) to stop floodwater from entering the homes in your area.
- Seal the walls in your basement with waterproofing compounds to avoid seepage.
-

If a flood is likely to hit your area, you should:

- Listen to the radio or television for information.
- Be aware that flash flooding can occur. If there is any possibility of a flash flood, move immediately to higher ground. Do not wait for instructions to move.
- Be aware of streams, drainage channels, canyons, and other areas known to flood suddenly. Flash floods can occur in these areas with or without such typical warnings as rain clouds or heavy rain.

If you must prepare to evacuate, you should:

- Secure your home. If you have time, bring in outdoor furniture. Move essential items to an upper floor.
- Turn off utilities at the main switches or valves if instructed to do so. Disconnect electrical appliances. Do not touch electrical equipment if you are wet or standing in water.

If you have to leave your home, remember these evacuation tips:

- Do not walk through moving water. Six inches of moving water can make you fall. If you have to walk in water, walk where the water is not moving. Use a stick to check the firmness of the ground in front of you.
- Do not drive into flooded areas. If floodwaters rise around your car, abandon the car and move to higher ground if you can do so safely. You and the vehicle can be quickly swept away.

1. Heat Waves

~:Do's and Don'ts::~

Heat Wave conditions can result in physiological strain, which could even result in death. To minimize the impact during the heat wave and to prevent serious ailment or death because of heat stroke, you can take the following measures:

- ✓ Avoid going out in the sun, especially between 12.00 noon and 3.00 p.m.
- ✓ Drink sufficient water and as often as possible, even if not thirsty
- ✓ Wear lightweight, light-coloured, loose, and porous cotton clothes. Use protective goggles, umbrella/hat, shoes or chappals while going out in sun.
- ✓ Avoid strenuous activities when the outside temperature is high. Avoid working outside between 12 noon and 3 p.m.
- ✓ While travelling, carry water with you.
- ✓ Avoid alcohol, tea, coffee and carbonated soft drinks, which dehydrates the body.
- ✓ Avoid high-protein food and do not eat stale food.
- ✓ If you work outside, use a hat or an umbrella and also use a damp cloth on your head, neck, face and limbs
- ✓ Do not leave children or pets in parked vehicles
- ✓ If you feel faint or ill, see a doctor immediately.
- ✓ Use ORS, homemade drinks like lassi, torani (rice water), lemon water, buttermilk, etc. which helps to re-hydrate the body.
- ✓ Keep animals in shade and give them plenty of water to drink.
- ✓ Keep your home cool, use curtains, shutters or sunshade and open windows at night.
- ✓ Use fans, damp clothing and take bath in cold water frequently.

TIPS FOR TREATMENT OF A PERSON AFFECTED BY SUNSTROKE:

- ✚ Lay the person in a cool place, under a shade. Wipe her/him with a wet cloth/wash the body frequently. Pour normal temperature water on the head. The main thing is to bring down the body temperature.
- ✚ Give the person ORS to drink or lemon sarbat/torani or whatever is useful to rehydrate the body.
- ✚ Take the person immediately to the nearest health centre. The patient needs immediate hospitalization, as heat strokes could be fatal.

Acclimatization

People at risk are those who have come from a cooler climate to a hot climate. You may have such a person(s) visiting your family during the heat wave season. They should not move about in open field for a period of one week till the body is acclimatized to heat and should drink plenty of water. Acclimatization is achieved by gradual exposure to the hot environment during heat wave.

4. Tsunami

~:Do's & Don'ts:~

- + You should find out if your home, school, workplace, or other frequently visited locations are in tsunami hazard areas along sea-shore.
- + Know the height of your street above sea level and the distance of your street from the coast or other high-risk waters. (Local administration may put sign boards).
- + Plan evacuation routes from your home, school, workplace, or any other place you could be where tsunamis present a risk.
- + If your children's school is in an identified inundation zone, find out what the school evacuation plan is.
- + Practice your evacuation routes.
- + Use a Weather Radio or stay tuned to a local radio or television station to keep informed of local watches and warnings.
- + Talk to your insurance agent. Homeowners' policies may not cover flooding from a tsunami. Ask the Insurance Agent about the benefits from Multi-Hazard Insurance Schemes.
- + Discuss tsunamis with your family. Everyone should know what to do in a tsunami situation. Discussing tsunamis ahead of time will help reduce fear and save precious time in an emergency. Review flood safety and preparedness measures with your family.

If you are in an area at risk from tsunamis

- ⊛ You should find out if your home, school, workplace, or other frequently visited locations are in tsunami hazard areas.
- ⊛ Know the height of your street above sea level and the distance of your street from the coast or other high-risk waters. (Local administration may put sign boards). Also find out the height above sea level and the distance from the coast of outbuildings that house animals, as well as pastures or corrals.
- ⊛ Plan evacuation routes from your home, school, workplace, or any other place you could be where tsunamis present a risk. If possible, pick areas (30 meters) above sea level or go as far as 3 kilometres inland, away from the coastline. If you cannot get this high or far, go as high or far as you can. Every meter inland or upward may make a difference. You should be able to reach your safe location on foot within 15 minutes. After a disaster, roads may become blocked or unusable. Be prepared to evacuate by foot if necessary. Footpaths normally lead uphill and inland, while many roads parallel coastlines. Follow posted tsunami evacuation routes; these will lead to safety. Local emergency management officials can advise you on the best route to safety and likely shelter locations.
- ⊛ If your children's school is in an identified inundation zone, find out what the school evacuation plan is. Find out if the plan requires you to pick your children up from school or from another location. Telephone lines during a tsunami watch or warning may be overloaded and routes to and from schools may be jammed.
- ⊛ Practice your evacuation routes. Familiarity may save your life. Be able to follow your escape route at night and during inclement weather. Practicing your plan makes the appropriate response more of a reaction, requiring less thinking during an actual emergency situation.
- ⊛ Use a Weather Radio or stay tuned to a local radio or television station to keep informed of local watches and warnings.
- ⊛ Talk to your insurance agent. Homeowners' policies may not cover flooding from a tsunami. Ask the Insurance Agent about the benefits from Multi-Hazard Insurance Schemes.

- ✱ Discuss tsunamis with your family. Everyone should know what to do in a tsunami situation. Discussing tsunamis ahead of time will help reduce fear and save precious time in an emergency. Review flood safety and preparedness measures with your family.

If you are visiting an area at risk from tsunamis

- Check with the hotel or campground operators for tsunami evacuation information and find out what the warning system is for tsunamis. It is important to know designated escape routes before a warning is issued.
- One of the early warning signals of a tsunami is that the sea water recedes several metres, exposing fish on shallow waters or on the beaches. If you see the sea water receding, you must immediately leave the beach and go to higher ground far away from the beach.
- **Protect Your Property**
- You should avoid building or living in buildings within 200 meters of the high tide coastline.
- These areas are more likely to experience damage from tsunamis, strong winds, or coastal storms.
- Make a list of items to bring inside in the event of a tsunami.
- A list will help you remember anything that can be swept away by tsunami water.
- Elevate coastal homes.
- Most tsunami waves are less than 3 meters. Elevating your house will help reduce damage to your property from most tsunamis.
- Take precautions to prevent flooding.
- Have an engineer check your home and advise about ways to make it more resistant to tsunami water.
- There may be ways to divert waves away from your property. Improperly built walls could make your situation worse. Consult with a professional for advice.
- Ensure that any outbuildings, pastures, or corrals are protected in the same way as your home. When installing or changing fence lines, consider placing them in such a way that your animals are able to move to higher ground in the event of a tsunami.

What to Do if You Feel a Strong Coastal Earthquake

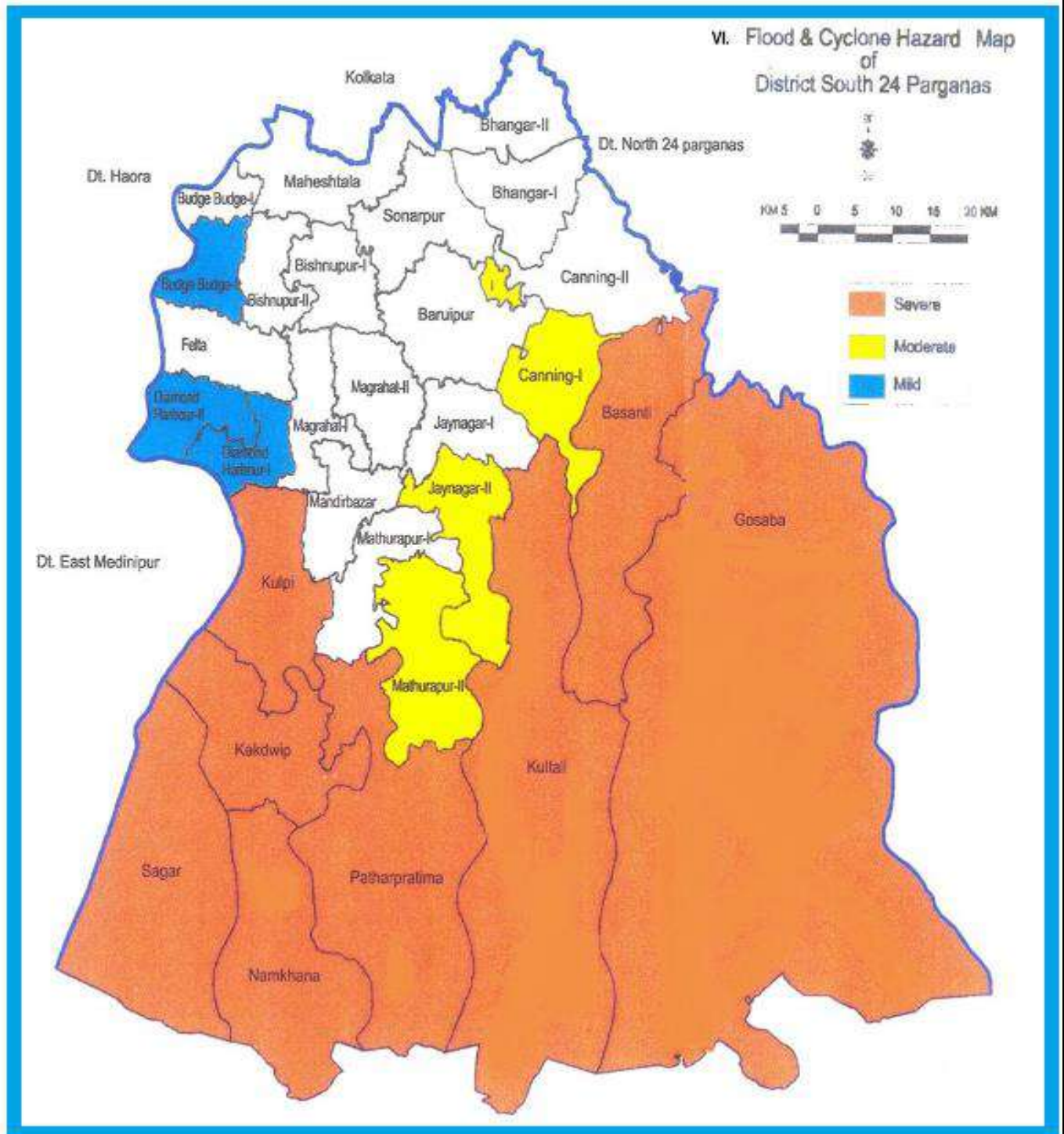
If you feel an earthquake that lasts 20 seconds or longer when you are in a coastal area, you should:

- ✓ Drop, cover, and hold on. You should first protect yourself from the earthquake damages.
- ✓ When the shaking stops.
- ✓ Gather members of your household and move quickly to higher ground away from the coast. A tsunami may be coming within minutes.
- ✓ Avoid downed power lines and stay away from damaged buildings and bridges from which Heavy objects might fall during an aftershock.
- ✓ If you are on land
- ✓ Be aware of tsunami facts. This knowledge could save your life! Share this knowledge with your relatives and friends. It could save their lives!
- ✓ If you are in school and you hear there is a tsunami warning,
- ✓ You should follow the advice of teachers and other school personnel.
- ✓ If you are at home and hear there is a tsunami warning.
- ✓ You should make sure your entire family is aware of the warning. Your family should evacuate your house if you live in a tsunami evacuation zone. Move in an orderly, calm and safe manner to the evacuation site or to any safe place outside your evacuation zone. Follow the advice of local emergency and law enforcement authorities.
- ✓ If you are at the beach or near the ocean and you feel the earth shake,
- ✓ Move immediately to higher ground, DO NOT wait for a tsunami warning to be announced. Stay away from rivers and streams that lead to the ocean as you would stay away from the beach and ocean if there is a tsunami. A regional tsunami from a local earthquake could strike some areas before a tsunami warning could be announced.

- ✓ Tsunamis generated in distant locations will generally give people enough time to move to higher ground. For locally-generated tsunamis, where you might feel the ground shake, you may only have a few minutes to move to higher ground.
- ✓ High, multi-storied, reinforced concrete hotels are located in many low-lying coastal areas. The upper floors of these hotels can provide a safe place to find refuge should there be a tsunami warning and you cannot move quickly inland to higher ground.
- ✓ Homes and small buildings located in low-lying coastal areas are not designed to withstand tsunami impacts. Do not stay in these structures should there be a tsunami warning.
- ✓ Offshore reefs and shallow areas may help break the force of tsunami waves, but large and dangerous wave can still be a threat to coastal residents in these areas.
- ✓ Staying away from all low-lying areas is the safest advice when there is a tsunami warning.
- ✓ If you are on a boat,
- ✓ Since tsunami wave activity is imperceptible in the open ocean, do not return to port if you are at sea and a tsunami warning has been issued for your area. Tsunamis can cause rapid changes in water level and unpredictable dangerous currents in harbours and ports.
- ✓ If there is time to move your boat or ship from port to deep water (after a tsunami warning has been issued), you should weigh the following considerations:
- ✓ Most large harbours and ports are under the control of a harbor authority and/or a vessel traffic system. These authorities direct operations during periods of increased readiness (should a tsunami be expected), including the forced movement of vessels if deemed necessary. Keep in contact with the authorities should a forced movement of vessel be directed.
- ✓ Smaller ports may not be under the control of a harbor authority. If you are aware there is a tsunami warning and you have time to move your vessel to deep water, then you may want to do so in an orderly manner, in consideration of other vessels.
- ✓ Owners of small boats may find it safest to leave their boat at the pier and physically move to higher ground, particularly in the event of a locally-generated tsunami.
- ✓ Concurrent severe weather conditions (rough seas outside of safe harbor) could present a greater hazardous situation to small boats, so physically moving yourself to higher ground may be the only option.
- ✓ Damaging wave activity and unpredictable currents can affect harbours for a period of time following the initial tsunami impact on the coast. Contact the harbor authority before returning to port making sure to verify that conditions in the harbor are safe for navigation and berthing.
- ✓ **What to do after a Tsunami**
- ✓ You should continue using a Weather Radio or staying tuned to a Coast Guard emergency frequency station or a local radio or television station for updated emergency information.
- ✓ The Tsunami may have damaged roads, bridges, or other places that may be unsafe.
- ✓ Check yourself for injuries and get first aid if necessary before helping injured or trapped persons.
- ✓ If someone needs to be rescued, call professionals with the right equipment to help.
- ✓ Help people who require special assistance— Infants, elderly people, those without transportation, large families who may need additional help in an emergency situation, people with disabilities, and the people who care for them.
- ✓ Avoid disaster areas.
- ✓ Your presence might hamper rescue and other emergency operations and put you at further risk from the residual effects of floods, such as contaminated water, crumbled roads, landslides, mudflows, and other hazards.
- ✓ Use the telephone only for emergency calls. Telephone lines are frequently overwhelmed in disaster situations. They need to be clear for emergency calls to get through.
- ✓ Stay out of a building if water remains around it. Tsunami water, like floodwater, can undermine foundations, causing buildings to sink, floors to crack, or walls to collapse.
- ✓ When re-entering buildings or homes, use extreme caution. Tsunami-driven floodwater may have damaged buildings where you least expect it. Carefully watch every step you take.

- ✓ Wear long pants, a long-sleeved shirt, and sturdy shoes. The most common injury following a disaster is cut feet.
- ✓ Use battery-powered lanterns or flashlights when examining buildings. Battery-powered lighting is the safest and easiest to use, and it does not present a fire hazard for the user, occupants, or building. **DO NOT USE CANDLES.**
- ✓ Examine walls, floors, doors, staircases, and windows to make sure that the building is not in danger of collapsing. Inspect foundations for cracks or other damage. Cracks and damage to a foundation can render a building uninhabitable.
- ✓ Look for fire hazards. Under the earthquake action there may be broken or leaking gas lines, and under the tsunami flooded electrical circuits, or submerged furnaces or electrical appliances. Flammable or explosive materials may have come from upstream. Fire is the most frequent hazard following floods.
- ✓ Check for gas leaks. If you smell gas or hear a blowing or hissing noise, open a window and get everyone outside quickly. Turn off the gas using the outside main valve if you can, and call the gas company from a neighbour's home. If you turn off the gas for any reason, it must be turned back on by a professional.
- ✓ Look for electrical system damage. If you see sparks or broken or frayed wires, or if you smell burning insulation, turn off the electricity at the main fuse box or circuit breaker. If you have to step in water to get to the fuse box or circuit breaker, call an electrician first for advice. Electrical equipment should be checked and dried before being returned to service.
- ✓ Check for damage to sewage and water lines. If you suspect sewage lines are damaged under the quake, avoid using the toilets and call a plumber. If water pipes are damaged, contact the water company and avoid using water from the tap. You can obtain safe water from undamaged water heaters or by melting ice cubes that were made before the tsunami hit. Turn off the main water valve before draining water from these sources. Use tap water only if local health officials advise it is safe.
- ✓ Watch out for wild animals, especially poisonous snakes that may have come into buildings with the water. Use a stick to poke through debris. Tsunami floodwater flushes snakes and animals out of their homes.
- ✓ Watch for loose plaster, drywall, and ceilings that could fall.
- ✓ Take pictures of the damage, both of the building and its contents, for insurance claims. Open the windows and doors to help dry the building.
- ✓ Shovel mud before it solidifies.
- ✓ Check food supplies.
- ✓ Any food that has come in contact with floodwater may be contaminated and should be thrown out.
- ✓ Expect aftershocks. If the earthquake is of large magnitude (magnitude 8 to 9+ on the Richter scale) and located nearby, some aftershocks could be as large as magnitude 7+ and capable of generating another tsunami. The number of aftershocks will decrease over the course of several days, weeks, or months depending on how large the main shock was.
- ✓ Watch your animals closely. Keep all your animals under your direct control. Hazardous materials abound in flooded areas. Your pets may be able to escape from your home or through a broken fence. Pets may become disoriented, particularly because flooding usually affects scent markers that normally allow them to find their homes. The behaviour of pets may change dramatically after any disruption, becoming aggressive or defensive, so be aware of their well-being and take measures to protect them from hazards, including displaced wild animals, and to ensure the safety of other people and animals.

Multi Hazard Map of South 24 Parganas



Action Plan of Dist. Disaster Management & CD Dept., South 24 PGS for the year 2018

The district, South 24 Parganas suffers considerably due to Monsoon floods and cyclones. It has been widely recognized that the losses due to disasters can be significantly lessened if sufficient preparedness is made in advance.

District Disaster Management Committee:

1. District Magistrate, Chairperson
2. Sabhadhipati, Zilla Parishad, Co-Chairperson
3. Additional District Magistrate (Gen / Disaster Management), Member
4. Additional District Magistrate (Zilla Parishad), Member
5. Superintendent of Police, Member
6. Chief Medical Officer of Health, Member
7. Superintending/Executive Engineer,P.W.D/P.H.E I&W.D/Minor Irrigation Deptt, Member
8. Principal Agricultural Officer, Member
9. Divisional Engineer,WBSEB, Member
10. District Food &Supply Officer, Member
11. Deputy Director,Animal Husbandary, Member
12. Engineer,Pollution Control Board, Member
13. Factory Inspector, Member
14. District Level Officer, Forest Deptt/Fisheries Deptt/ Animal Resources Development Deptt., Member
15. District Level Authority of Railway Ministry Member
16. District Level Authority of Army/ Airforce/ Navy/B.S.F/Coast Guard, Member
17. District Level Representative of Indian Oil Corporation, Member
18. District Telecom Officer, Member
19. District Disaster Management Officer/Officer in Charge of Disaster Management Convener /,Member
20. Chairperson of Municipal Body, Member
21. Chairperson, Development Authority, Member
22. Members of Legislative Assembly, Member

VULNERABLE BLOCKS OF THIS DISTRICT:

<u>Name of the Sub-Division</u>	<u>Name of the Blocks</u>	<u>Vulnerable Area</u>
Canning	Gosaba,	
	Basanti,	Amjhara, Charvidya
	Canning-I	Bansra
	Canning-II	Deuli-I and Deuli-II GP, Atharobaki, Matherdighi, Kalikapota
Kakdwip	Kakdwip,	
	Sagar,	Muriganga-II, Dhablat, Dhaspara Sumatinagar-II
	Namkhana,	Narayanpur, Mousuni
	Patharpratima	Laxmijanardanpur, Achintyanagar,
Baruipur	Baruipur	Mallickpur, Champahati, alikapur
	Sonarapur	Kamrabad, Kalikapur, Kheyadah-I & II, Municipality
	Joynagar-I	Uttar Durgapur, Sripur
	Joynagar-II	Nalghara, Chuprijhara, Masirhat
	Bhangore-II	Polerhat
	Kultali	Jalaberia

<u>Name of the Sub-Division</u>	<u>Name of the Blocks</u>	<u>Vulnerable Area</u>
Diamond Harbour	Magrahat-I	Uttarchandpur
Sadar	Bishnupur-I	Paschim Bishnupur, Purba Bishnupur, Andharmanik, Julpia
	Budge Budge-II	Kashirampur
	T/Maheshtala	Ashuti-II

Existing infrastructural resources for combating Disasters:

- 12 nos. (Thirteen) of Relief Go-down (functional) at Block Level in the district.
- 15 nos. (Fifteen) of Flood Shelter at block level are functional at present in the district.
- 15 nos. of Multipurpose Cyclone Shelter under Prime Minister National Relief Fund (PMNRF) have been constructed & functional at the block , Basanti (02), Gosaba (02), Kultali (01), Kakdwip (01), Namkhana (03), Sagar (03), Pathar Pratima (03) respectively.

- 25 nos. of Multipurpose Cyclone Shelter sites under Integrated Coastal Zone Management Project (ICZMP) are under construction and will be completed this year at the block Pathar Pratima (05), Gosaba (07), Sagar (05), Basanti (05), Namkhana (03) respectively.
- 75 nos. of Multipurpose Cyclone Shelter under National Cyclone Risk Mitigation Project (NCRMP) are under construction and will be completed this year (as per report of the relating Executive Agency) at the block Kakdwip (09), Sagar (10), Basanti (12), Gosaba (10), Patharpratima (12), Namkhana (10), Kultali (07), Math-II (05).

Block Wise Total Nos. of Disaster Management Volunteers:

Name of the Block	No. of Volunteers
Baruipur	17
Basanti	15
Bhangore-II	14
Bishnupur-II	24
Bishnupur-I	94
Budge Budge-I	23
Budge Budge-II	3
Canning-I	15
Canning-II	11
DH-I	8
DH-II	15
Falta	127
Gosaba	14
Joynagar-I	84
Joynagar-II	19
Kakdwip	144
Kultali	52
Magrahat-II	101
Magrahat-I	54
Mathurapur-II	43
Namkhana	98
Patharpratima	88
Sagar	129
T/Maheshtala	27
Total	1219

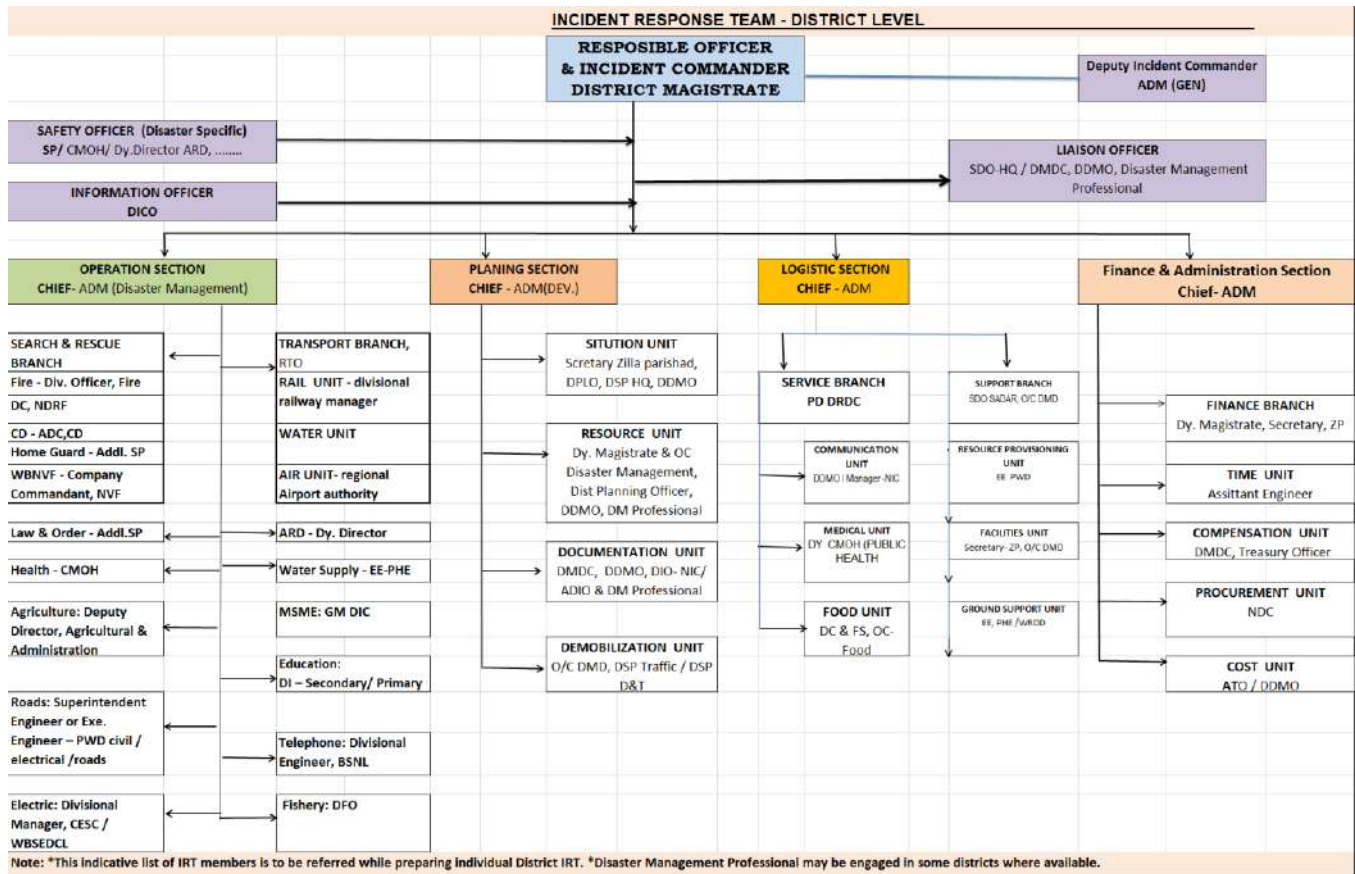
Fortnightly report of **stock position**, South 24 Parganas as on 08-06-2018

Sl. N	Name of the Block	Tarpaulin (Pcs.)	Dhuti (Pcs.)	Saree (Set)	Children's Garments Boys	Children's Garments Girls	Lungi (Pcs.)	Balankets (Pcs.)	Male Wrapp	S.Kamiz	Pajama Panjab	DM Kits	Spl. Gr (Rice) M.T
1	BDO Baruipur	112	194	26	10	0	97	72	17	0	0	0	25
2	BDO Sonarpur	310	73	41	25	0	110	152	167	0	0	0	20
3	BDO Joynagar-I	225	189	186	80	85	191	227	185	125	136	0	10
4	BDO Joynagar-II	290	88	116	112	0	33	52	58	0	0	0	15
5	BDO Bhangore-I	202	395	265	100	98	193	239	333	115	243	0	20
6	BDO Bhangore-II	240	602	239	200	114	232	529	719	361	271	0	20
7	BDO Kultali	195	140	235	100	57	85	167	250	115	166	0	15
8	Baruipur Municipality	50	100	50	0	0	50	0	0	0	0	0	5
9	Rajpur-Sonarpur Mun.	50	100	50	0	0	50	0	0	0	0	0	5
10	Joynagar -Majilpur	50	100	50	0	0	50	0	0	0	0	0	5
	S.D.O. Baruipur	2465	375	275	0	0	160	200	200	0	0	0	10
	Sub-division total	4189	2356	1533	627	354	1251	1638	1929	716	816	0	150
1	BDO, Kakdwip.	426	271	159	16	17	218	439	911	90	65	600	10.964
2	BDO, Namkhana.	431	1234	574	212	212	958	615	1233	489	629	650	39.577
3	BDO, Sagar	423	967	241	66	66	280	709	722	1155	1081	200	25.176
4	BDO, Patharpratima	570	241	154	50	50	168	39	401	154	227	1050	22.363
	SDO, Kakdwip.	3148	2566	2114	140	416	1372	842	2600	1100	725	0	208.592
	Sub-division total	4998	5279	3242	484	761	2996	2644	5867	2988	2727	2500	306.67
1	Bishnupur-I	54	242	270	12	10	76	222	242	17	17	50	
2	Bishnupur-II	267	110	100	199	199	84	212	238	73	95	50	
3	Budge Budge-II	179	82	129	73	43	82	118	223	72	76	30	
4	Budge Budge-I	285	705	450	31	269	399	143	639	423	540	50	
5	Thakurpukur Maheshtala	492	98	25	25	25	114	165	197	348	250	20	
6	Budge Budge Municipality	0	25	25	50	25	25	25	25	25	25	0	
7	Pujali Municipality	0	25	25	50	25	25	25	25	25	25	0	
8	Maheshtala Municipality	414	25	50	50	50	25	175	250	50	50	0	
	S.D.O (Sadar)	7	20	0	34	34	50	13	7	0	10	0	360
	Sub-division total	1698	1332	1074	524	680	880	1098	1846	1033	1088	200	360
1	Diamond Harbour-I	163	607	825	219	194	888	296	1069	500	350	0	18.92
2	Diamond Harbour-II	252	466	280	172	145	356	264	428	171	167	0	31.956
3	Falta	300	207	406	53	60	112	211	548	4	36	0	20.328
4	Magrahat-I	143	155	142	47	75	128	80	72	0	6	0	1.933
5	Magrahat-II	159	105	116	83	62	76	25	132	55	88	0	24.241
6	Mandirbazar	381	286	126	51	27	153	220	448	481	208	0	0.352
7	Kulpi	1057	901	655	190	169	556	352	552	419	248	0	39.908
8	Mathurapur-I	865	408	68	292	273	194	100	365	538	345	0	17.034
9	Mathurapur-II	1111	1189	343	82	99	525	209	645	465	605	0	13.396
10	DH Municipality	150	360	580	100	75	450	200	340	500	300	0	0
11	Sub-Divisional Office, DH	3577	204	1125	594	759	1489	64	631	548	471	0	396.05
	Sub-division total	8158	4888	4666	1883	1938	4927	2021	5230	3681	2824	0	564.118
1	Canning-I	567	269	92	116	115	183	204	240	100	118	0	4.904
2	Canning-II	264	100	98	100	100	98	338	198	0	0	0	66
3	Basanti	1059	165	144	124	160	54	191	369	147	162	0	6.326
4	Gosaba	737	541	266	100	106	360	235	717	322	404	0	30.073
	S.D.O. Office, Canning	3698	0	1000	800	600	1000	0	400	800	0	2825	40
	Sub-division total	6325	1075	1600	1240	1081	1695	968	1924	1369	684	2825	147.303
	District H.Q.	1100	0	0	0	0	0	0	0	0	0	0	0
	Grand Total	26468	14930	12115	4758	4814	11749	8369	16796	9787	8139	5525	1528.09

Resource available at Civil Defence Department, South 24 PGS:

- ✓ There are three Speed Boats at the district level and it is placed at Kakdwip (one), Canning(one) sub-division and District HQ (one) along with WWCD personnel.
 - ✓ Two QRT Civil Defence Volunteers will be deployed for each speed boats.
 - ✓ WWCD, WB will be informed to supply additional boat to this district, if required.
 - ✓ Civil Defence Rescue Vehicles along with modern rescue equipment is placed at Kakdwip & Canning Sub-Division.
 - ✓ CD Officers and Volunteers will be engaged for manning of District Disaster Management control room.
 - ✓ Strength of volunteers (General) – 2738
 - ✓ Strength of volunteers (QRT)- (Alipore-98, D/Harbour-19, Kakdwip-18, Canning-19)
- Total=154**

Incident Response Team at District Level:



District Emergency Operation Centre and QRT Base:

- The district Disaster management Dept., South 24 PGS has already given a proposal to the WB Disaster Management Dept. for operationalizing of District EOC and QRT base from 1st June, 2018.
- The EOC will be operational by Dist. Disaster Management Dept. (24*7) manning with CD officials and QRT Volunteers.
- Besides, 2 CD volunteers will be engaged for each shift (3 shifts in 24 hrs) in existing EOC.

Training, Mock Drills and Capacity Development Programme organized by the District Disaster Management Department, South 24 PGS:

The District Disaster Management Dept. regularly organizes various trainings on disaster risk reduction, mitigation and management, mock drills and capacity development programmes at district level.

- The NDDR (National Day for Disaster Risk Reduction) day and a mock drill has been organized on 29th October, 2017, collaborated with the Civil Defence officials and volunteers at district level. The District Disaster Management Dept. organizes the day every year with a drill.
- A mega Tsunami mock drill has been organized on 24th November, 2017, co-ordinated with all line departments at district level, WB State Disaster Management Dept., NDRF and INCOIS, Hyderabad at Namkhana, Sagar and Budge Budge-1 blocks to test the degree of preparedness and various mitigation measures of South 24 PGS's coastal areas due to Tsunami hazard. The Tsunami drill is organized in every year at district level.
- A three days training, workshop and capacity development programme has been organized by the District Disaster management Dept. from 10th to 12th October, 2017 on "Flood Risk Mitigation and Management" at DTC, Baruipur to educate and train the block level Disaster management and line Dept. officials regarding flood risks, it's degree of uncertainty, preparedness, mitigation and management etc.
- A district level mega Cyclone Mock Drill has been organized at Basanti block in collaboration with all the line departments, NGOs, WBSEDCL, BSNL, police, coast guard and NDRF on 16th March, 2018 blocks to test the degree of preparedness and various mitigation measures of South 24 PGS due to any cyclonic hazards.

Disaster Management Plan of District Controller (F&S)- 2018

VULNERABLE BLOCKS OF THIS DISTRICT

Name of the Sub-Division	Name of the Blocks
Canning	Gosaba, Basanti, Canning-I
Kakdwip	Kakdwip, Sagar, Namkhana, Patharpratima
Baruipur	Joynagar-II, Kultali
Diamond Harbour	Mathurapur-II

Stock of essential commodities to be kept as rolling reserved for the purpose of initial relief to the people affected by natural calamities.

RICE:

Reserve stock to be kept 200 M.T as rolling reserved each of the following Govt. hired godowns:

Sl.No	Name of the Godown	Name of In-charge	Contract no	Stock in M.T
1	Annapurna Hired Godown	SRI BIJON DHALI	9800386452	200.000
2	Biswas Enterprise Hired Godown	SMT. SOMA PANDIT	8240204148	200.000
3	M/s Shubhshree Agro Foods Pvt.Ltd, Amtala	SRI SOUMIT DEY	9883306874	200.000
4	RIDF, Bishnupur	SRI NABA BHUNRE	8777237697	200.000
5	Cassipore GFD Complex	SRI ASIT BISWAS	8348334099	200.000
6	BENFED, Kakdwip	SRI PRADIP KR ROY	9836532302	200.000
			TOTAL	1200.00

VULNERABLE BLOCKS M.R DISTRIBUTORS

Sl. No.	Name	Location/Block	Phone No.
01.	Shri Amit Kumar Bhakat	Kakdwip	9733878767
02	M/S. Sudhir Ch. Das & Sons.	Gosaba	9830332454
03	M/S. R.K. Roy	Basanti	9830019573
04	R.K. Mondal	Canning-I	9734816873
05	Susmita Sen	Joynagar-II	9733887474
06	Subas Ch. Mondal	Joynagar	9733571544
07	Mathurapur L.S. Co-operative	Mathurapur-II, Raidighi	9732855533

In addition to above, sufficient quantity of rice & wheat will be kept at FCI authority in their godowns at Orient Jute Mill, Budge Budge & Jingirapole at Brase-bridge.

Area Manager NPD, FCI, South 24-Parganas

Fax-22255625

Depot Officer OJM, Budge Budge

2482-7798

Area Manager (PD), Bracebridge

2439-4788

Officials of DCF&S, South 24-Parganas Posted at OJM godown of FCI.

1. Shri Gopal Chakraborty, Inspector : 9874580988
2. Shri Madhusudan Guin, Inspector : 9433625513

Kerosene Oil

5 KL of K. Oil to be kept rolling reserved at each of the following Agent's godown.

Sl. No.	Name of Agent's godown	Location/Block	Phone No.
01	M/S Standard Oil Agency	Kakdwip	9679132680
02	M/S Jaiswal Progressive Agency	Kakdwip	9732588424
03	M/S D.N. Karmakar	Kakdwip	9732739303
04	M/S Patharpratima Oil Agency	Patharpratima	9433047668
05	M/S. Progressive Oil Company	Canning	9735653399
06	M/S. Sree Gouranga Stores	Sonakhali	9733575451
07	M/S. Sreema Oil Agency	Gosaba	9831585069
08	M/S. Abul Hashem Khan	Mathurapur-II	9732574415
09	SK. Sons & Co.	Baruipur	9433343318
10	M/S. Golam Ali Sarder	Baruipur	9830490401

The aforesaid quantity of rice and K. Oil will be kept reserved at initial stage. In addition to that direction has been given to keep 5 K.L S.K. Oil all S.K. Oil Agents Points as rolling reserve. It is obvious that the quantity is not adequate to the requirement of full fledged relief to be given to all disaster hit propel. Hence, additional quantity of rice & K.Oil out of PDS allotment may be rushed to the area as an immediate measure on priority basis as and when necessary subject to replenishment.

Direction has been given to SCFS to maintain stock of 5/20 MT Rice and sufficient quantity of Sugar, Iodised salt, edible oil etc. At all F.P.S located in cycle/flood prone areas.

The availability of "Chira, Gur & Muri" etc. at the shop located in the aforesaid vulnerable points will be informed along with the address of the said shops, if required so.

Names of key persons with telephone numbers.

1. Food & Supplies Dept., Khadya Bhavan
11/A, Mirza Galib Street, Kolkata-700087 Phone-2252-3421 to 35

Shri Manoj Kumar Agarwal, I.A.S. Phone-2252-2800
Principal Secretary & Commissioner Food Fax-2252-3492

Sri Ajoy Bhattacharya, I.A.S. Phone-2252-4262
Director, DDP&S Fax-2252-4262

Md. Monirul Islam Phone-2252-4262
Deputy Director, Supply Fax-2252-4262
2. The West Bengal Essential Supplies : Phone-2252-
Corporation Limited, 11/A, Mirza Galib Street, 499/4879/0519/1659
Kolkata-700087 Fax-2252-849/0590

The Manager, Procurement (WBECSC) Phone-2252-6198
3. General Manager Phone-22260782
Food Corporation of India Fax-22260782
6, Royd Street Fax-22264893
Kolkata-700016
4. The General Manager Phone-2414-5505
Indian Oil Corporation Ltd.(Marketing Division) Fax-2414-5898
2, Gariahat Rd, South
Kolkata-700068
5. The Area Marketing Manager Phone-2429-3349
Bharat Petroleum Corporation Ltd. Fax-2429-3355
Bharat Bhavan,
Plot No.31, Prince Gulam Shah Rd.
Golf Green, Post Box No. 16201
Kolkata-700095
6. The Chief Regional Manager (Marketing Division)Phone-2282-9881
Hindusthan Petroleum Corporation Ltd. -2282-9883
Industry House (8th Floor), -2282-7410
10, Camac Street, -2282-7539
Kolkata-70017 Fax-2282-9885

Name	Designation	Mobile no.
Smt. Pritha Saha Roy	District Controller	7604068639
	(O) 2479-5882	
Tarik Anowar Chowdhury	Addl. District Controller	8641071784
	(O) 2479-5882	
Shri Shyamaprasad Bhattacharjee	SCF&S, Alipore(S)	8017068063
	(O) 2479-2364	
Shri Sanjib Halder	SCF&S, Baruipur	9433964020
	(O) 2433-2151	
Smt Shanoli Mukherjee	SCF&S, Diamond Harbour	9836840126
	(O) 03174-255233	
Sk. Alimuddin	SCF&S, Canning	9851829973
	(O) 03218-255617	
Shri Abhijit Dhara	SCF&S, Kakdwip	9874391129
	(O) 03210-256035	
Shri Bitan Majumdar	C.I, DCF&S, South 24 Pgs	9433574944
Shri Sandeep Roy	H.C, DCF&S, South 24 Pgs	8647846312
Shri Gopal Mondal	C.I, DCF&S, South 24 Pgs	9062468970
Suprio Mazumdar	Inspector, Joynagar-I	8481886479
Shri Kanai Dutta	Inspector, Joynagar-II	9433886252
Shri Ankurjit Barman	Inspector, Kultali	9038415032
Shri Biswajit Das	Inspector, Mathurapur-II	9051942740
Paresh Ch Mondal	Inspector, Canning-II	9547468761
Sri Nirmalendu Mondal	Inspector, Canning-I	9051600145
Shyamal Khan	S. Inspector, Gosaba	8436698140
Sri Nirmalendu Mondal	Inspector, Basanti	9051600145
Sri Tarun Kumar Majumdar	Inspector, Kakdwip	9635399268
Sri Dipak Das	Inspector, Sagar	9434565552
Sri Anup Kumar Dutta	Inspector, Namkhana	9641601550
Sri Kartick Das	Inspector, Patharpratima	9830869464

Name and address of cooking gas distributor.

1. Diamond Enterprise (I.O.C), New Town, Diamond Harbour, South 24-Parganas.
2. Ramkrishna Enterprise (H.P),Kalisankarpur, Diamond Harbour,South 24-Parganas.
3. Canning Gas Service (I.O.C.),Canning Old Market,Canning town,South 24-Parganas.
4. Joynagar Indane Service (I.O.C.),Joynagar Mazilpur,South 24-Parganas.
5. Southern Gas Distributor (H.P.),Harinavi, Sonarpur, South 24-Parganas.
6. Baruipur Gas Service (I.O.C.),4, Ukilpara,Baruipur, South 24-Parganas.

Sd/-
District Controller (F&S)
South 24 Parganas

Disaster Management Plan of Health for the year 2018

District Hospital	Name of Superintendent	Mobile number
M.R.Bangur Hospital	Dr Tapas Ghosh	9434707070
District Hospital	Name of AsstSupdt	Mobile number
M.R.Bangur Hospital	Ritesh Kr Mallick	9830201951
	Ajanta Roy Mitra	8335810066
SD / SG Hospital	Name of Superintendent	Mobile number
Baruipur SDH	Dr. Jaya Banerjee	9433392736
Canning SDH	Dr. Arghya Choudhury	9732770718
Garden Reach SGH	Dr. Subhabrata Das	9474316287
Vijaygarh SGH	Dr. Sushmita Roy	9830226967
Baghajatin SGH	Dr. Gourab Roy	9153320581
Vidyasagar SGH	Dr Uttam Majumder	9038340500
Amtala RH	Dr. Apurba Kr Biswas	9432402019
Sub division	Name of ACMOH	Mobile number
ACMOH Sadar	Dr. Sagarika Kumar (In charge)	983075952
ACMOH Baruipur	Dr. Mridul Ghosh	9874226222
ACMOH Canning	Dr. Indranil Sarkar	9434188235

Communication (District Level) (For South 24 Pgs)				
Activity	Name of Nodal Office	Mobile No	Alternate responsible officer (in absence of Nodal Officer)	Mobile No
Overall	Dr. Somenath Mukherjee (CMOH)	8478872637/ 9477328216	Dr.Bimal Krishna Paul Dy CMOH-II	9681624228
Reporting	Dr.Bimal Krishna Paul	9681624228	Dr. Swapan Kumar Das (Dy CMOH-I)	9474507330
	(Dy CMOH-II)			
Logistics (Drugs)	Dr. Swapan Kumar Das (Dy CMOH-I)	9474507330	Dr.Bimal Krishna Paul Dy CMOH-II	9681624228
Logistics (Transport)	Dr. Swapan Kumar Das (Dy CMOH-I)	9474507330	Dr.Bimal Krishna Paul Dy CMOH-II	9681624228
Intersectoral coordination	Dr. Somenath Mukherjee (CMOH)	8478872637/ 9477328216	Dr.Bimal Krishna Paul	9681624228
			(Dy CMOH-II)	
Media Management	Dr. Somenath Mukherjee (CMOH)	8478872637/ 9477328216	Dr.Bimal Krishna Paul	9681624228
			(Dy CMOH-II)	

Communication, Flood Prone Blocks, South 24 Parganas				
Block name	Name of BMOH	Mobile No.	Alternate responsible officer (in absence of BMOH)	Mobile No.
Gosaba	Dr. Prasanta Mondal	9836776377 9433418337	Dr. Soumitra Kamar	9732625505
Basanti	Dr.Ramkrishana Ghosh	9635081949	Dr. Tarekh Anwar Sardar Soma Samanta (BPHN)	8820920671 9732437228
Canning-I	Dr. Prabir Kumar Halder	9733790730	Dr. Ranjan Kumar Mandal Santanu Debnath	9735405205 9732686351
Canning-II	Dr Haripada Maji	9830839262	Dr Debasis Roy	9836237363
Sonarpur	Dr Sarbani Ghosh	9163890239	Dr.Pradip Dutta	9836173177
Baruipur	Dr. Madhumita Biswas	9433388900	Dr. Ramprasad Naskar Dr. Arabinda Purkait	9007174054 9830937136
Kultali	Dr. Supada Mondal	9830730234	1.Dr Utiyia Mondal 2. Dr Chitralekha Sardar	9674299004 7063079458

			3. Gunadhar Sardar 4. Aninda Ghosh	9002312953 8296631939
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Block Level Flood prone places, Population at risk, Alternate place to have medical OPD, Alternate place to have pramedical Camp

Name of the Block	Name of G.P	Population at risk	Alternate place to have medical OPD	Alternate place to have pramedical Camp
Gosaba	Amtali	17443	Amtali G.P. S/C (Moukhali)	MoukhaliChandibanFanindraVidyaniketan
	Kumirmari	17464	KumirmariG.P.Office, Kumirmari Flood Centre	Kumirmari H.S, Kumirmari Flood Centre
	Chhotomollakhali	20202	Chhotomollakhali PHC S/C	Mongal Chandra Vidyapith, Gobindapur Junior H.S.
	Satjelia	18073	Satjelia G.P. S/C	Central Satjelia M.C. H.S. EmlibariJoyneswarvidyaniketan, DayapurP.C.Sen H.S.
	Lahiripur	23141	LuxbaganHatkhol	Santiganchhi H.S., Tiger Camp Bagh Hospital – 44, LuxbaganF.P.School
	Bali - I	13124	Satyanarayanpur G.P. S/C	Satyanarayanpur G.P. S/C
	Bali - II	18162	Bali - II G.P.S/C	Bali Dhanamani Model H.S.
	Biprodaspur	17093	Biprodaspur G.P. S/C	Chandipur H.S.
	Kachukhali	13291	Kachukhali G.P.S/C	Manmathapur H.S. Ramnagar Harish chandra H.S
	Rangabelia	10311	Rangabelia G.P.S/C	Rangabelia H.S
	Gosaba	18101	Gosaba BPHC	Gosaba BPHC
	RadhanagarTaranagar	23121	DakshinRadhanagar	TaranagarSaraswati Junior H.S
	Sambhunagar	16246	Sambhunagar G.P.S/C	PalpurAdarshaVidyapith
	Pathankhali	16860	Pathankhali G.P. S/C	PathankhaliAdarshavidyapith. BattaliBangaBharatiVidyaatan GopalkathaJejepara H.S.
Kultali	Maipith-Baikunthapur	24630	SanibararBazer	Maipith G.P Office
	Gurguria Bhubaneswari	27156	Bhubaneswari PHC	Bhubaneswari PHC
	Deulbari- Debipur	24605	Kantamari PHC	Kantamari PHC
	Gopalganj	34804	KachariBazer	Kaikhali PHC
	Mariganj I	23070	Kachimara Hat	Kachimara H/S School
	Mariganj II	21241	Keller Hat	Pichakhali S/C ,G.P Office
Basanti	Jharkhali	9000	S/C 63 Jharkhali GP SC	Jharkhali GP
	Bharatgarh	15000	S/C-28 Uttar Mokamberia GP SC	Not Required
	Charvidya	23000	S/C-4Charvidya GP SC	Not Required
	Uttar Mokamberia	6000	S/C-28 Uttar Mokamberia GP SC	Not Required
	Chunakhali	30000	S/C-6 Chunakhali GP S/C	Not Required
	FulMalancha	27000	S/C-19 FulMalancha GP SC	Not Required
Canning-I	Bansra	3100		
	Taldi	2128		
	Itkhola	5312		

Canning-II	Atherobanki	37000	F.P School	
	Matherdighi	24000	F.P School	
	Kalikatala	21000	F.P School	
	Deuli-I	18000	F.P School	
	Deuli-II	14000	F.P School	
	Tambuldaha-I	20000	F.P School	
	Tambuldaha-II	6000	F.P School	
	Narayanpur	5000	F.P School	
	Sarengabad	1200	Margina High School	
Sonarpur	Kheyadah	20845	Kheyadah PHC/Fartabad PHC	Kheyadah PHC/Fartabad PHC
	Kheyadah 2	26800		
	Kamrabad	21306		
	Sonarpur 2	27639		
	Pratapnagar	23428		
	Kalikapur -1	17699		
	Kalikapur-2	19926		
	Langalberia	21747		
	Poleghat	15247		
	Bonhoogly-1	21681		
	Bonhoogly-2	18446		
Baruipur	South Garia	1350		
	Madarat	924		
	Mallickpur	21115		

Spareable human resource different blocks to work in other place, South 24 Parganas,

Block	Specialist		Medical Officer		Nursing Staff		MPHW		GDA	
	Present availability	Spareable human resource	Present availability	Spareable human resource	Present availability	Spareable human resource	Present availability	Spareable human resource	Present availability	Spareable human resource
Gosaba	1 (Gynae)	0	7	1	15+1 (BPHN)	1	62	6	5	1
Kultali	0	0	6	1	19	1	50	5	13	1
Basanti	0	0	9	1	17	2	71	7	9	1
Sonarpur	0	0	11	1	24	2	32	3	12	1
Baruipur	0	0	6	1	10	1	62	6	3	0
Canning-I	0	0	2	0	7	1	67	6	3	0
Canning-II	0	0	5	0	13	1	56	5	1	0
Total	1	0	46	5	106	9	400	38	46	4

List of areas affected by cyclone & / or submerged during flood with alternate service point and human resource

Name of the Block:										
S I N o	Name of GP	Name of the S/C	Name of the Village	Population at risk	Alternate/ additional service point 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)	Health establishments likely to be affected (SD/ SGH/ RH/BP HC/ PHC)	Name of the Health Establishment likely to be affected	Alternative place where service delivery is planned to be shifted
1	Ramgopalpur	Ramgopalpur		2000	1	G p Office				
		D/Kasiabad		5000	1	High School				
		Kasiabad		5000	1	Fish Market				
		Harendranagar		1500		Mandirghat		BPHC	Harendranagar BPHC	Kakdwip SDH
2	Robindra	Manmathapur		4000	1	G p Office				
		Gopalnagar		2000	1	SC				
		Mrinalnagar		3000	1	SC				
		Alipur		4000	1	Palate rghat				
3	Netaji	Sankibera		1000	1	G p Office		PHC	Ramchandranagar PHC	
4	Rishibankimchandra	Gangadharpur		5000	1	G P Office				
		Bamnagar		3000	1	SSK				
5	Madhusudanpur	64 Bari		2000	1	Laxmi pur FP School				

		Shibkali nagar		3000	1	7th Gheri				
		Ramtanu nagar		1500		High Madra sa				
6	Pratapadit ya Nagar	Amratal a		3000	1	Ghati hara				
7	Bapuji	Thangar a		4000	1	Highs chool				
		Taktipur		4000	1	FP Schoo l				
		Chandip ur		1000	1	Kouta la				
8	Swamiviv ekananda	Akshyan agar		1000	1	SC				
		Shibpur		5000	1	SC				
		Satishna gar		5000	1	F P Schoo l				
		Ahalyac oloni		3000	1	Pengu ine Club				
9	Sri Sri Ramakrish na	Maitirch ak		5000	1	SC				
		Daserch ak		3000	1	SC				
		8no Gangadh arpur		2000	1	Bauba zar				
1 0	Surjanagar	Uttar Chandra nagar		2000		Shital a Mandi r				
				80000						

Planning and deployment of Human Resource during flood situation						
Category	Present availability (Only give No)		Requirement	Sl no	List of staff*	
	Total	10% of manpower			Name	Place of posting
Specialist	0		2			
Medical Officer	3		6	1	Dr. Shibsankar Baidya	Harendranagar CHC
				2	Dr.Bijoy Krishna Modak	Harendranagar CHC
				3	Dr Gouri Sankar Samanta	Ramchandranagar PHC
				1	Tinku Halder	Harendranagar CHC
				2	Atasi Patra	Harendranagar CHC
				3	Sabita Das	Harendranagar CHC
				4	Manani Dhaulia	Ramchandranagar PHC
MPHW	100			1	Shyamali Roy	Ramgopalpur GP
				2	Madhumita Mandal	Harendranagar SC
				3	Jaladhar Ghosh	Sitarampur Sc
				4	Bandita Rani Panda	Madhusudanpur GP
				5	Kanak Lata Ghosh	Srinagar GP
				6	Hafizuddin Molla	Sri Sri Rama Krishna G P
				7	Rita Biswas	Surjanagar GP
				8	Niva Bhandari	Netaji GP
				9	Anath Bandhu Paik	Ganeshpur Bazar SC
GDA	4		10	1	Panchanan Das	Harendranagar CHC
				2	Pradip Halder	Harendranagar CHC
				3	Swapan Tikadar	Harendranagar CHC
				4	Ghandi Pada Naskar	Ramchandranagar PHC

REQUIREMENT OF MOBILITY SUPPORT		
MOTOR VEHICLE		
TYPE	Jeep/ Ambasadar	
NO.	5	
HIRING CHARGE	RS.900/Car/day(with out P Oil)	
BOAT		2
NON MECHANISED		
MECHANISED	2	
HIRING CHARGE	Rs.1300/boat/day(with out P Oil)	
OTHERS		
TYPE	Auto	
NO.	7	
HIRING CHARGE	RS.700/Auto/day(with out P Oil)	

Fund Requirement					
HEADS		AMOUNT IN RS.			
Drug, Equipment & Supplies					
TRANSPORT					
HIRING CHARGE		No	Rate	Total for one day	For 1 Wk
Auto Rickshaw		6	1000	6000	42000
Boat Non Mechanised		0	0	0	0
Boat Mechanised		2	1500	3000	21000
	Rickshaw	7	700	4900	34300
POL		8000			56000
TA/DA (APPROX) PER DAY		No	Rate	Total for one day	For 1 Wk
SPECIALIST		2	200	400	2800
M.O		5	200	1000	7000
GNM		12	125	1500	10500
MPHW		102	100	10200	71400
GDA		12	75	900	6300
MISCL EXPENDITURE		5200			36400
TOTAL					287700

Communication (Block Level)				
Block Name	Name of BMOH	Mobile No	Alternate responsible officer (in absence of BMOH)	Mobile No
Kakdwip	Dr. Shibsankar Baidya	9083237504	Dr.Bijoy Krishna Modak	

Sub:-“First Response Team”. To Combat Natural Calamities at Kakdwip Block.

We have made the “First Response Team” to Combat Natural Calamities at Kakdwip Block, South 24 Parganas, They are as follows-

Block Level Rapid Response Team (RRT) , South 24 Parganas , 2017

Sl NO	BPHC	Name of the RRT Member's	Designation	Contact No
1	Hrendranagar	Dr.Bijoy Krishna Modak	MO	
2		Swagata Kanp	PHN	9593273247
3		Kanaklata Ghosh	HS	9933568241
4		Rita Biswas	HS	9732620515
5		Bandita Rani Panda	HS	7407667939
6		Jaladhar Ghosh	HA	9474660320
7		Anath Bandhu Paik	HA	9474862024
8		Hafijuddin Molla	HS	8926434361

Control Room at Kakdwip BPHC

1		Dr. Shibsankar Baidya	BMOH	9083237504
2		Sanchita Bhunia	BPHN	9674147190
3		Tapas Das	UDC	9433932621
4		Sahid Baran Santra	BAM	8001014772

Reporting in Charge-

1		Swarupananda Halder	DEO	9126205311
2		Pinaki Sarkar	DEO	9002611945

**** Along With this All H.S, Medical Officer of PHC are Requested to the alert to join the Team as and when required.**

Requirement of Material-Drugs to treat population likely to be affected by flood/ disaster

Sl No	Name of the Drugs	Stock in Position (As on date)	Requirement
1	Bleaching Powder(25kg)	12	40
2	Halogen Tablet	0	200000
3	ORS packet	7000	50000
4	Normal Saline	630	
5	Ringer lactate	500	200
6	Injection AVS	45	

7	Metronidazole Tab.	70000	
8	Metronidazole Syrup	600	2000
9	Ciprofloxacin Tab.	60500	
10	Furazolidine Syrup		
11	Domiridone Tab.	3500	
12	Domiridone Syrup		
13	Inj Metoclopropamide		
14	Inj Ranitidine	460	500
15	Liquid Antacid	2800	1000
16	Tab Paracetamol	86500	
17	Syrup Paracetamol	800	1000
18	Inj Pentazocin	200	
19	Inj Ondansetron	144	100
20	Tab Pantoprazole		20000
21	Lotion povidone Iodine	300	500
22	Inj Diclofenac Sodium	250	
23	Infusion Metronidazole	300	200
* You are also requested to deploy essential medicines & logistics to the vulnerable points & shelters as per Block action plan.			

Deployment of Human resource during flood

SI N o	CATEGO RY	LEVEL OF INSTITUTIO N	NAME OF STAFF	CONTA CT NO	DEPLOYMENT			
					1st WK	2nd WK	3rd WK	4th WK
1	MO	Harendranagar CHC	Dr. Shibsanka r Baidya	90832375 04				
2	MO	Harendranagar CHC	Dr.Bijoy Krishna Modak					
3	MO	Ramchandranagar PHC	Dr Gouri Sankar Samanta	97337692 31				
4	PHN	Harendranagar CHC	Swagata Kant	78900218 52				
5	PHN	Harendranagar CHC	Sanchita Bhunia	96741471 90				
6	NS	Harendranagar CHC	Tinku Haldar	97344298 48				
7	NS	Harendranagar CHC	Sabita Das	89673760 33				
8	NS	Ramchandranagar PHC	Mamani Dhaulia	73849177 05				
9	HS	Harendranagar GP	Shyamali Roy	94740116 77				
10	HS	Netaji GP	Niva Bhandari	97756172 87				

11	HS	Srinagar GP	Kanaklata Ghosh	9933568241				
12	HS	Madhusudanpur GP	Bandita Rani Panda	7407667939				
13	HA	Ganeshpur Bazar SC	Anath Bandhu Paik	9474862024				
14	HA	Starampur SC	Jaladhar Ghosh	9609311053				
15	HF	Harendranagar SC	Madhumita Mandal	9609178284				
16	GDA	Harendranagar CHC	Panchanan Das	9932963587				
17	GDA	Harendranagar CHC	Pradip Halder	9593555268				
18	GDA	Harendranagar CHC	Swapan Tikadar	9635407940				
19	GDA	Ramchandranagar PHC	Ghandi Pada Naskar					

List of areas affected by cyclone & / or submerged during flood with alternate service point and human resource

Name of the Block: Sagar										
S I N O	Name of GP	Name of the S/C	Name of the Village	Population at risk	Alternate/ additional service point 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)	Health establishments likely to be affected (SD/ SGH/ RH/BP HC/ PHC)	Name of the Health Establishment likely to be affected	Alternative place where service delivery is planned to be shifted
	Dhablat G.P	D. Shibpur	Shibpur	5221	1	Dhablat Shibpur S.C	Laxman Parabes High School	not applicable	D. shibpur SC	Laxman Parabes High School
		Manasa bazar S.C	Manasabazar Radhikapur	5372	1	Dhablat Shibpur S.C	Laxman Parabes High School	Not affected	Manasabazar SC	Laxman Parabes High School
		Shibpur S.C	Shibpur	4255						

		Dhablat S.C	Basantapur	3213						
		Chemaguri S.C	Chemaguri	1850						
	Gangasagar G.P	Sridam Gangasagar	Gangasagar Coloni para	2676	1	Gangasagar PHC	Gangasagar PHC	Gangasagar PHC	Sridam Gangasagar	Gangasagar GP Office
		Beguakhali S.C	Beguakhali	1895					Beguakhali S.C	
		Mahisamari S.C	Mahisamari	2110					Mahisamari S.C	
	DS-II	Sumatinagar S.C	Sumatinagar	3195	1	Sumatinagar High School	Sumatinagar High School	not applicable	Sumatinagar S.C	DS-II GP office
			Mrityunjaynagar							
		Bankimnagar	Bankimnagar Coloni area	4950					Bankimnagar SC	
	MG-I	Kachuberia	Kachuberia Phulbari	4830	1	Muriganaga PHC	Muriganaga PHC	not applicable	Kachuberia Phulbari	MG-I GP office
			Kastala						Kastala	
			Fulbari						Fulbari	
		Muriganaga	Muriganaga Silpara	4676						
			Sikarpur Collector ganj Iswaripur							
	Ghoramara	Ghoramara		5236	1	Ghoramara S.C	Ghoramara S.C	Not affected	Ghoramara	Ghoramara SC
	MG-I	Sapkhalali	Sapkhalali	2200	1	Sapkhalali FPS		not applicable		Sapkhalali

Planning and deployment of Human Resource during flood situation						
Category	Present availability (Only give No)		Requirement	Sl n o	List of staff*	
	Total	10% of manpower			Name	Place of posting
Specialist	3		3		* list of deployment of Human Resources are attached herewith levelwise	Saga RH
Medical Officer	4		3			Saga RH
Nursing Staff	16		8			Saga RH
						Saga RH
MPHW	42+34(2nd ANM)		0			Sagar Block
						Sagar Block
						Sagar Block
						Sagar Block
GDA	7		17			Saga RH

REQUIREMENT OF MOBILITY SUPPORT	
MOTOR VEHICLE	
TYPE	
NO.	4 Wheeler
HIRING CHARGE	1500/- per day
BOAT	
NON MECHANISED	
MECHANISED	One
HIRING CHARGE	2500/- per day
OTHERS	
TYPE	Rickshaw
NO.	
HIRING CHARGE	250/- per day /rickshaw

Fund Requirement						
HEADS			AMOUNT IN RS.			
Drug, Equipment & Supplies						
TRANSPORT						
HIRING CHARGE			No	Rate	Total for one day	For 1 Wk
Auto Rickshaw			5	450/-	2250/-	15750.00
Boat Non Mechanised						0.00
Boat Mechanised			1	2500/-	2500/-	17500.00
		Rickshaw	5	250/-	1250/-	8750.00
POL						
TA/DA (APPROX) PER DAY						
SPECIALIST			3	600/-	1800/-	12600.00
M.O			9	400/-	3600/-	25200.00
GNM			6	200/-	1200/-	8400.00
MPHW			20	150/-	3000/-	21000.00
GDA			15	125/-	1875/-	13125.00
MISCL EXPENDITURE			Loading & Unloading & others			10500.00
TOTAL						130025.00
*You are also requested to mention specfic plan & budget for IEC						

Communication (Block Level)				
Block Name	Name of BMOH	Mobile No	Alternate responsible officer (in absence of BMOH)	Mobile No
Sagar	Dr Parimal Dakua	9732461640	Dr Sanjib Banerjee	9051259434

Requirement of Material-Drugs to treat population likely to be affected by flood/ disaster			
Sl No	Name of the Drugs	Stock in Position (As on date)	Requirement
1	Bleaching Powder	20X 25 Kg	35x25 kg
2	Halozone Tablet	15000	500000
3	ORS packet	10000	30000
4	Normal Saline	3000	500
5	Ringer lactate	1000	500
6	Injection AVS	200	100
7	Metronidazole Tab.	90000 tabs	Nil
8	Metronidazole Syrup	500phyl	1500
9	Ciprofloxacin Tab.	200000tabs	20000

10	Furazolidine Syrup	Nil	Nil
11	Domperidone Tab.	15000 tabs	Nil
12	Domperidone Syrup	Nil	500 ph
13	Inj Metoclopropamide	Nil	Nil
14	Inj Ranitidine	1000amp	1000
15	Liquid Antacid	1000 ph	1500
16	Tab Paracetamol	20000 tabs	15000
17	Syrup Paracetamol	1000	2000
18	Inj Pentazocin	300	Nil
19	Inj Ondansetron	300 amp	Nil
20	Tab Pantoprazole	30000	20000 tab
21	Lotion povidone Iodine	200ph	200
22	Inj Diclofenac Sodium	300 amp	200
23	Infusion Metronidazole	600 btt.	500

Deployment of Human resource during flood

SI No	CATEGORY	LEVEL OF INSTITUTION	NAME OF STAFF	CONTACT NO	DEPLOYMENT			
					1st WK	2nd WK	3rd WK	4th WK
		Gangasagar PHC	Dr Monidip Jana	9433366560	Y	Y	Y	Y
			Sujata Dutta	9475967839		Y	Y	
			Sulekha Pahari	9679859926	Y	Y		Y
			Kalyani Mandal	8016464621	Y		Y	Y
			Putul Mandal	9775249903	Y	Y		Y
			Dipali Giri	8670999662	Y		Y	
		Laxmanparabes High School	Dr Bimal Ch Das	9126422675	Y	Y	Y	Y
			Prakash Maity	8145266394	Y	Y	Y	Y
			Shyamali Dolui	8967283599		Y		Y
			Nilima Midya	9609022988	Y		Y	
			Pritilata Patra	9563284437	Y		Y	
			Bela Bera	9933555834		Y		Y
		Sumatinagar High School	Dr Hebjur Rahaman	9007998520	Y	Y	Y	Y
			Shobha Das	9732568478		Y	Y	

			Somashree Das	89068611 90	Y		Y	
			Anjali Patra	97326768 23	Y	Y	Y	Y
			Rajashree Mandal	96797416 85	Y		Y	
			Monimala Mal	98007565 26		Y		Y
		Muriganga PHC	Dr Bhajahari Mahato	98316686 45	Y	Y	Y	Y
			Soma Giri	94328890 19		Y		Y
			Shyamali Maity	89676329 99	Y	Y	Y	Y
			Asima Jana	89671312 53	Y			Y
			Mrinmayee Naskar	94744646 53		Y	Y	
			Sabitri Mandal	90024987 71	Y		Y	
		Ghoramara S.c	Dr. Dilip Kr. Barui	99326786 04	Y	Y	Y	Y
			Swapan Das	83486229 44	Y	Y	Y	Y
			Rituparna Ghanti	89428742 69	Y	Y	Y	Y
			Snigdha Sasmal	97751167 96	Y	Y	Y	Y
		Vivekananda Vidya niketan	Dr. Sanjib Banerjee	90512594 34	Y	Y	Y	Y
			Kalpana Majhi	90325862 27	Y	Y	Y	Y
			Trishna Ghorai	95475995 11	Y	Y	Y	Y
			Arati Halder	90072206 91	Y	Y	Y	Y
			Namita Patra	96091042 54	Y	Y	Y	Y

**Disaster Defense Plan-2018
of
South 24 Parganas Division
Under
WB Fire & Emergency Services.
WE SERVE TO SAVE
“FIRE LOSS IS NATIONAL LOSS, LET US ADOPT FIRE SAFETY
MEASURES”**

The technically trained personnel of Fire and Emergency Services of South 24 Parganas Division are setting new benchmarks in saving lives and properties, risking their lives.

A fire can rapidly spread and endanger lives in any moment. However, with modern fire Fighting techniques, catastrophe is usually but not always avoided to prevent fire from starting. A fire fighter's duty is include public education about fire safety & conducting awareness campaign because fire fighters are often the first responder to people in critical conditions.

It is unworthy to mention here that the Fire & Emergency Services, government of West Bengal can take the privilege for all necessary Fire fighting arrangement covering the South 24 Parganas District round the year.

For any shorts of disaster may be manmade, natural calamities or other accidental disaster, the information may please be communicate to the following telephone nos. of Control Room & Officers under South 24 Parganas Division are stated below :

NAME	TELEPHONE NO.	NAME	TELEPHONE NO
Sri T.K. Sen, Dy. Director(East Zone) & D.F.O, South 24 Parganas	9830723700	District Head Quarter Control Room	2497-6285 /2409-8528 Mail Address- dfo.south24pgs@gmail.co m
	2497-6285 /2409-8528	District Head Quarter Control Room (FAX)	2497-6285
Behala Fire Station	2497-6285 /2409-8528 ocbehalafirestatio n@gmail.com	Sri K. C. Mahapatra O/C, Behala Fire Station	8013991250
Budge Budge Fire Station	Contact No. 2470-6141	Sri. Sasthi Mollick O/C Budge Budge FS	9830450657
Falta Fire Station	Contact No. 03174-222111	Sri Mintu Ghosh S.O., Falta FS	9433353937
Diamond Harbour Fire Station	Contact No. 03174-258900	Sri Debasis Halder O/C Diamond Harbour Fire Station	8001495889
Baruipur	Contact No.	Sri Mohan Sadhu	9831658619

Fire Station	2433-2555	O/C Baruipur Fire Station	
Kolkata Leather Complex(Bantala) Fire Station	Contact No. 03218-210007	Sri Palash Pradhan O/C K.L.C. (Bantala) Fire Station	9002986559
Canning Fire Station	Contact No. 03218 257101	Sri Swapan Mondal, O/C Kakdwip F.S.	9733888015
Sonarpur Fire Station	Contact No. 033 24359101	Sri Narendranath Maitra O/C Sonarpur F.S. F.S.	9230248938
Kakdwip Fire Station	Contact No. 03210255900	Hebjur Rahaman O/C Kakdwip F. S.	9434857525
Gangasagar Standby Unit	Contact No. 03210 240900		
Pujali Stand by Unit	Contact No. 033 24820004		

The following appliances and gears are readily available in South 24 Pargana Division to confess the disaster situation of fire prevention and safety, fire fighting/suppression, as well as of playing an important role in disaster preparedness are as follows:

- 24 Nos. of various type of Water Tender & other appliances,
- Nos. of cutting, breaking gears like chain saw, circular saw etc. used for force entry & breaking & cutting of various materials like metal, wood, slabs etc.,
- Several types of small gears & hose fittings used for various purposes,
- Extension Ladder available each & every Fire Station extended up-to 3 storied building used for fire fighting & rescue purpose,
- Self contained breathing apparatus, or SCBA is ready, use for rescue workers, and fire fighter others to provide breathable air in an IDLH (immediate danger to life and health) atmosphere,
- 20 Nos. of Face Mark is ready at the Divisional Head Quarter, South 24 Pargana Division use for rescue workers, and fire fighter others to provide breathable air in an IDLH (immediate danger to life and health) atmosphere.
- Hydraulic Operated Cutting, Breaking & Spreading Tools,
- Aska Lights, Search Lights, Emergency Lights,
- Enfield Bullet Motor Cycle with Water mist Portable Fire-fighting Extinguisher,
- Several Nos. Breathing Apparatus Sets.
- Drill Machine,
- Rope Ladder,
- Honda Make Portable Pump,
- Deep lift Pump,
- Petrol Operated Generator,

South 24 Pargana Division is always ready to gear up to these situations in terms of capacity building, advance training, procurement of equipment etc. We are already put a right step in this direction and also preparing various steps for aware the people by providing live demonstration & display of modern equipments, publicity, teaching classes, evacuation drills, mock drills etc.

Considering the situation he is requested to co-operate with us from respective Govt. & Non-Govt.organisation.in every aspects for better future prospect in this manner so that we may gather better knowledge for faster responding of such awkward situation to materialized now and wish it to grow in the forth coming days.

EVACUATION PROCEDURE

1. Activation of Fire Alarm
2. Identification of location of the fire from security room and inform reception desk which in turn inform to the main incident controller.
3. Announcement through public address system.
4. Stop lift movement.
5. Turn-off power supply --- if necessary.
6. Send fire fighting team at the spot---use available fire fighting equipment's.
7. Inform Fire Department and if necessary other departments likes Police, CESC, Gas authority etc.
8. Cordon the building by security staff.
9. Evacuation the building by--- if so directed/Announced during evacuation
 - a) Don't get panic.
 - b) Use stair, Do not lift.
 - c) Close the door before leaving room.
 - d) Search toilet, store etc. by floor manager.
 - e) Floor manager will assist fire fighting team to locate the fire.
 - f) Floor manager will assist disabled persons to get out from the floor.
 - g) Once out, don't enter unless order to do so after emergency is over.
 - h) Assembled at the prefixed point for roll call.

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Arrangement to be made for team of respective responsibilities for Evacuation drill is as follows:-

- 1) Main Incident Controller – MIC.
- 2) Floor Manager (for every floor).
- 3) Assembly point manager.
- 4) Fire Fighting Team.
- 5) Search & Rescue Team.
- 6) Communication Team.

HOSPITAL / NURSHING HOME

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*“KEEP THE FIRE AWAY FROM THE PATIENTS,
RATHER THAN MOVE THE PATIENTS AWAY FROM THE FIRE”*

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NECESSITY OF DRILL:

- A FIRE DRILL IS INTENDEND TO ENSURE, BY MEANS OF TRAINING AND REHARSHAL, WHICH IS EXTREAMLY EMERGENT IN CASE OF FIRE INCIDENT.
- EACH & EVERY STAFF SHOULD KNOW THE EXISTING MEANS OF ESCAPE.
- SHOULD HAVE KNOWLEDGE OF ESCAPE ROUTES FROM ANY POINT OF THE BUILDING,
- DISTANCE TO TRAVEL TO A PLACE OF SAFETY,
- IDEA OF LIGHTING ARRENGEMENTS & EXIT SIGNS,

PLAN OF ACTION TO DEFENCE FIRE

- DISCOVER THE FIRE POINT BY HEARING THE ALARM,
- RAISE THE ALARM THROUGH NEAREST POINT OF MANNUAL CALL POINT (MCP),
- CORRECT METHOD OF CALLING OF FIRE BRIGADE,
- TRY TO USE FIRE FIGHTING PORTABLE EXTINGUISHER, HOSE-REEL-HOSE, ETC,
- KNOWLEDGE OF ESCAPE ROUTES,

• EVACUATE THE BUILDING

Sl. No.	Name of the Block	Name of the Volunteers	Address	Mobile No.
1	D/Harbour-II	Rakesh Baidya	Vill- Bagda, P.O- Chandnagar, P.S- Diamond Harbour, South 24 Pgs, Pin- 743368	9932196696
2	D/Harbour-II	Meghnath Mondal	Vill- Bagda, P.O- Chandnagar, P.S- Diamond Harbour, South 24 Pgs, Pin- 743368	7699445231
3	D/Harbour-II	Santu Ray	Vill- Bagda, P.O- Chandnagar, P.S- Diamond Harbour, South 24 Pgs, Pin- 743368	9002560421
4	D/Harbour-II	Buddhadeb Halder	Vill- Bagda, P.O- Chandnagar, P.S- Diamond Harbour, South 24 Pgs, Pin- 743368	7699902690
5	D/Harbour-II	Biswarup Baidya	Vill- Bagda, P.O- Chandnagar, P.S- Diamond Harbour, South 24 Pgs, Pin- 743368	9749712854
6	Mathurapur-I	Arif Baidya	Abad Bhagabanpur	9732290706
7	Mathurapur-I	Rupak Mistry	Abad Bhagabanpur	9134172890
8	Mathurapur-I	Abul Khayer Laskar	Laxminarayanpur Uttar	9832890969
9	Mathurapur-I	Palash Halder	Laxminarayanpur Uttar	7501035240
10	Mathurapur-I	Talat Mahamud Fakir	Debipur	8926631352
11	Mathurapur-I	Palash Halder	Debipur	9874405650
12	Mathurapur-I	Prasanta Mandal	Krishnachandrapur	9647490234
13	Mathurapur-I	Koushik Debnath	Krishnachandrapur	9800289450
14	Mathurapur-I	Najbul Hossain Loskar	Lalpur	9564055782
15	Mathurapur-I	Jahangir Gazi	Lalpur	
16	Mathurapur-I	Sudip Pramanik	Mathurapur Paschim	9614246253
17	Mathurapur-I	Kunal Pramanik	Mathurapur Paschim	9614247659
18	Mathurapur-I	Sanju Halder	Mathurapur Purba	9593444518
19	Mathurapur-I	Timir Mondal	Mathurapur Purba	9474659617
20	Mathurapur-I	Kapil Arang	Nalua	8388893957
21	Mathurapur-I	Kalam Piyada	Nalua	9564621273
22	Mathurapur-I	Takiuddin Paik	Sankarpur	
23	Mathurapur-I	Khalid Rejuan Loskar	Sankarpur	8436649262
24	Mathurapur-I	Sourav Halder	Laxminarayanpur Dakshin	
25	Mathurapur-I	Sudip Mondal	Laxminarayanpur Dakshin	

***Action Plan of
ANIMAL RESOURCES DEVELOPMENT-2018
of South 24-Parganas***

DISTRICT PROFILE

South 24 Parganas is a district of West Bengal State, headquartered in Alipore. It is the largest district of West Bengal State by area and second largest by population. On one side it has the urban fringe of Kolkata and on the other, the remote riverine villages in the Sundarbans. district having a total area of 9,960 square Km, constitutes of 29 Blocks containing 312 Gram Panchayats and 2438 inhabited villages.

- As per the West Bengal Human Development Report 2004, the key Human Development Indices in the district of South 24Parganas are –Health Index – 0.74; Income Index – 0.47; Education Index -0.71; HDI-0.64 as against the State indicators of 0.70; 0.43; 0.69; 0.61 respectively. The overall HDI rank of the district is 5.
- The Gross Domestic Product (GDP) of the State is 7.8% whereas the district GSDP is 5%.
- Per capita rural and urban income in the district are pegged at `18369/- and `55791/- respectively. □ The District CD ratio is 36% as on 31.03.2014 as against the State average of 68% and all India average of 72%.
- The Annual population growth rate 2000-2011 for the district is 2.1%
- The eastern part of the district is dominated by agriculture whereas the western part is that of industry.
- Paddy is the principal crop and most of the farmers cultivate 3 crops in a year

Natural Calamities like cyclone, flood and drought are common in West Bengal and are annual feature. There are many districts which are flood prone where as there are few other districts which are drought prone. Tornado in coastal area and land slides in hilly areas of the state are also not uncommon. Therefore, a detailed work plan /action plan are suggested for combating the natural calamities in the long term interest of Animal Resources Development.

The Action plan may be classified in three phases:-

- A. Preparedness in anticipation.**
- B. Immediate Action in face of calamity.**
- C. Post Calamity Action.**

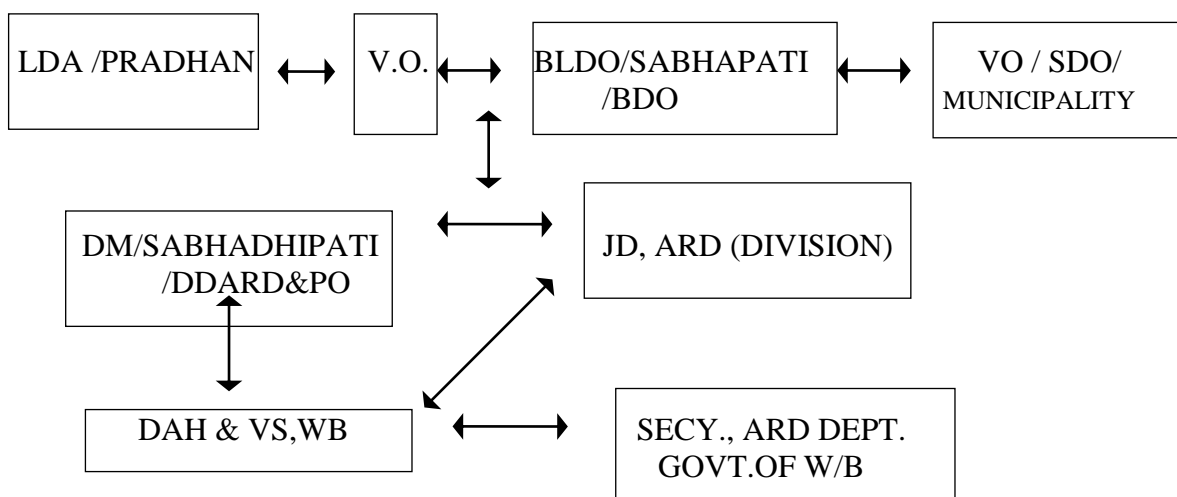
A. PREPAREDNESS IN ANTICIPATION:

- ❖ Advance planning to keep all departmental staff alert before the onset of the season and their subsequent deployment in the eventuality should be through deployment planning and necessary strengthening.
- ❖ Arrangement for procurement and storage of essential inputs like medicine, vaccine, feed, fodder, disinfectants, water purifier etc. to save the affected livestock, to be made.
- ❖ Director of Agriculture Department/ Deputy Director, Agriculture (Admn.) of the district to be requested to keep the paddy straw in stock for the anticipated calamity.
- ❖ Managing Director of DAIRPOL to be requested to keep reserve the concentrate.
- ❖ Animals in endemic zone, to be vaccinated against different bacterial and viral diseases as the case may warrant, e.g. Anthrax, H.S., B.Q., R.D., F.C., F.P., etc.
- ❖ Identification of vulnerable areas and livestock shelters.
- ❖ Arrangement to be made for opening control room at district/Sub-Division/block level and Veterinary team to be kept ready to proceed promptly along with medicines.
- ❖ Finalisation of rate for procurement of paddy straw locally by inviting quotation at Block/ District level.
- ❖ District Administrative Authority and Panchayat functionaries at various levels to be contacted in regular manner to have updating information for calamities and guideline to aware the farmers.

B. IMMEDIATE ACTION IN FACE OF CALAMITY:

- Opening control room at Block, Sub-Division, Districts and state Level.
- Assessment of need based requirement of inputs materials (feed & fodder, medicine, vaccine) for affected livestock and communication of the same to the Government.
- Procurement of feed from DAIRPOL and fodder from KVK/Agriculture /local market, medicine and vaccine to be distributed with the help of Block & Panchayat Functionaries.
- Opening of CATTLE CAMP immediately at the affected area near the temporary shelters followed by Animal Health Camps with medicines & vaccines and assess the loss in respect of ARD.
- Initiation of carcass removal by arrangement with Civil Defence Volunteers / Panchayat Functionaries/ Civil Society Organization.
- In case of resources mobilization, the ARD appeal general administration for necessary assistance including boat, if any.

The flow chart would be as follows:-



C. POST CALAMITY ACTION (Delayed Action):

- Animals in endemic zones, to be revaccinated against different bacterial and viral diseases as the case may be, e.g. Anthrax, H.S, B.Q, RD, FC, FP etc.
- Care should be taken to combat the post calamity various diseases of livestock which will affect their health and production.
- Economic rehabilitation of affected Livestock farmers may be provided with small units of Poultry, Piggery, Goatery and Dairy etc.
- Model Livestock scheme may be implemented in consultation with Panchayat Functionaries.

SET UP CONTROL ROOM: Following designated officers are for dealing with the natural calamities including Cyclone.

SN	CONTROL ROOM	DESIGNATED PERSON	CONTACT NO.
	District	AD, ARD (Vety.)	8902653370
1	T/Mahestala	BLDO	7604010397
2	Budge Budge-I	BLDO	7604010404
3	Budge Budge-II	BLDO	7604010405
4	Bishnupur-I	BLDO	7604010402
5	Bishnupur-II	BLDO	7604010403
	ALIPUR S.D.	DEO, PBGSBS	7797554561
6	D/Harbour-I	BLDO	7604010408
7	D/Harbour-II	BLDO	7604010409
8	Falta	BLDO	7604010410
9	Mandirbazar	BLDO	7604010419
10	Kulpi	BLDO	7604010415
11	Mathurapur-I	BLDO	7604010420
12	Mathurapur-II	BLDO	7604010421
13	Magrahat-I	BLDO	7604010417
14	Magrahat-II	BLDO	7604010418
	D/HARBOUR S.D.	AD (VR&I), D/Harbour	9903527778
15	Baruipur	BLDO	7604010398
16	Sonarpur	BLDO	7604010425
17	Kultali	BLDO	7604010416
18	Joynagar-I	BLDO	7604010412
19	Joynagar-II	BLDO	7604010413
20	Bhangore-I	BLDO	7604010400
21	Bhangore-II	BLDO	7604010401
	BARUIPUR S.D.	AD,ARD (DI), S/24Pgs	9748072484
22	Canning-I	BLDO	7604010406
23	Canning-II	BLDO	7604010407
24	Basanti	BLDO	7604010399
25	Gosaba	BLDO	7604010411
	CANIING S.D.	VO, SAHC, Canning	9474405834
26	Kakdwip	BLDO	7604010414
27	Namkhana	BLDO	7604010422
28	Sagar	BLDO	7604010424
29	Patarpratima	BLDO	7604010423
	KAKDWIP S.D.	AD, (VR&I), Kakdwip	9002377598

EMERGENCY SUPPORT FUNCTION (ESF) PLAN

1. Provision of Emergency Support in the event of natural/man-made disaster in regard to the following are:

(a)	Manpower
(b)	Services
(c)	Medicine & Vaccine
(d)	Feed & Fodder

2. Nodal Officers:- The detail of Nodal Officer and the Alternate Nodal Officer for the purpose of coordinating Emergency Support Functions are as mentioned below:

District Nodal Officer

Name & Designation	Office address	Residential Address	Phones with STD Code, e-mail
Dr S. Maiti, DDARD&PO, South 24Parganas	New Admonistrative Buildings, 8 th Floor, Alipur, South 24Parganas,	Binayak Encla 59 KC Ghosh Road, Kol-50	033-24794755, 9331275529 ddardSouth24pgs@darahwb.org

Alternate District Nodal Officer

Name & Designation	Office address	Residential address	Phones with STD Code, e-mail
Dr. T. B. Adhikary AD, ARD (Vety), South 24Parganas	New Admonistrative Buildings, 8 th Floor, Alipur, South 24Parganas,	T-8, Bidhan Nag Midnapore, 721101	9832690028 ddardSouth24pgs@darahwb.org

3. Quick Response Team (QRT) at Field (District) Level:-

The District has set up a QRT at District level for emergency response and the task assigned and the detail of the Team are furnished below.-

Name/Designation/Office address	Phones with STD code, e-mail	Assigned works
Team Leader		
Deputy Director of ARD&PO South24pgs	033-24794755 / 24798901 ddardSouth24pgs@darahwb.org	Over all
Alternate Team Leader		
AD, ARD (Vety.), South 24Parganas	9832690028	Including Logistics arrangement
Member-1		
Asst. Director(Disease Investigation), South 24Parganas	7865985251	Disease control, vaccination
Member-II		
District Veterinary Officer, South 24Parganas	8388046274	Liaison
Member-III		
Asst. Director, ARD (ADVO), South 24Parganas	9830276701	Reporting

4. Resource Inventory:-

District is in a position to make available the following type of requirements:-

Sl. no.	Men/Material/Services Description/Specification	Qty. in Nos.	Qty. in Wt./Vol.	Availability Location
1	Manpower	As per need		Up to block & GP level.
2	Services			Available from State Govt. & NGO.
3	Medicine & Vaccine	As per need	As per fund Provision	At CMS & DI lab. Baruipur.
4	Feed	As per need	As per fund Provision	At different feed plant of DAIRPOL throughout the State
5	Fodder	As per need		Dry fodder from Local area & green fodder from Govt. Farm / KVK-Nimpith/ Shysa-shymala / Narendrapur/ Agri. Farm/etc.
6	Vehicles	As per need		RTO-Alipur/ other
7	Settlement of Cattle Camp	As per need		With the help of PRI & Administration

5. The Emergency Support Function Plan

Disasters that could lead to an emergency situation in the animal husbandry sector may arise

Primarily due to the following four categories of risks:

- i) Natural disasters: Flood, drought, cyclone, tsunami, earthquake, etc.
- ii) Infectious diseases: Zoonotic and non-zoonotic.
- iii) Fodder poisoning. Iv. Miscellaneous: War (conventional war, BW or BT).

AVAILABLE ANIMAL HEALTH SET UP OF SOUTH 24PARGANAS DISTRICT

Sl. No	Name of the Blocks	GOVT. SET UP					Door Step Service provider (Self Employed)		
		SAHC	BAHC	ABAHC	MVC	ADAC	PB	PM	PS
1	T/Mahestala		1	1			4	7	
2	Budge Budge-I		1	1			6	7	0
3	Budge Budge-II		1	0		1	8	22	3
4	Bishnupur-I		1	0		2	4	17	3
5	Bishnupur-II		1	1		2	6	8	1
	ALIPUR S.D.	1							
6	D/Harbour-I		1	1		1	4	12	
7	D/Harbour-II		1	-	-	3	5	12	1
8	Falta		1	1		1	11	21	
9	Mandirbazar		1	0	-	1	8	18	2
10	Kulpi		1	2		2	12	27	4
11	Mathurapur-I		1	1	1		9	20	
12	Mathurapur-II		1	0		2	11	20	1
13	Magrahat-I		1	0		1	9	15	3
14	Magrahat-II		1	1		1	12	25	3
	D/HARBOUR S.D.	1							
15	Baruipur		1	2		1	14	34	2
16	Sonarpur		1	1		3	8	19	3
17	Kultali		1	0		2	7	14	1
18	Joynagar-I		1			1	10	22	1
19	Joynagar-II		1	1		1	10	20	1
20	Bhangore-I		1			1	5	16	
21	Bhangore-II		1				11	18	1
	BARUIPUR S.D.	1							
22	Canning-I		1			1	6	11	
23	Canning-II		1	1			6	13	7
24	Basanti		1	1	1	1	10	26	5
25	Gosaba		1		1	2	14	28	1
	CANIING S.D.	1							
26	Kakdwip		1	1	1	2	11	13	2
27	Namkhana		1	0	1		7	12	4
28	Sagar		1	1	1		8	17	
29	Patarpratima	1	1	1	1	1	16	27	12
	KAKDWIP S.D.	1							
	District Total				07				

**** There are three (3) Disease Diagnostics Laboratory at Baruipur, Diamond Harbour & Kakdwip.**

ANIMAL RESOURCES OF SOUTH 24PARGANAS

Sl. No.	Name of the Blocks	Total Exotic	Indi. Cattle (TOTAL)	Total Buffalo (Total)	TOTAL CATTLE	TOTAL-SHEEP	Total Goat	Total PIG
1	T/Mahestala	543	2111	155	2809	0	1614	78
2	Budge Budge-I	3277	4198	0	7475	0	7108	0
3	Budge Budge-II	1139	7072	26	8237	0	8017	42
4	Bishnupur-I	413	9057	76	9546	355	11900	836
5	Bishnupur-II	1365	6116	26	7507	0	6687	100
	ALIPUR S.D.	6737	28554	283	35574	355	35326	1056
6	D/Harbour-I	1129	7688	9	8826	543	5693	28
7	D/Harbour-II	1046	15038	14	16098	328	7666	333
8	Falta	977	12067	3	13047	50	9158	122
9	Mandirbazar	2461	21840	18	24319	2014	22691	19
10	Kulpi	1490	20115	35	21640	947	20042	204
11	Mathurapur-I	1271	10369	43	11683	1684	10495	0
12	Mathurapur-II	2405	26137	179	28721	2413	16370	210
13	Magrahat-I	1425	21953	41	23419	524	20838	167
14	Magrahat-II	1533	24447	1	25981	466	22221	134
	D/HARBOUR S.D.	13737	159654	343	173734	8969	135174	1217
15	Baruipur	4917	20270	373	25560	1629	16618	380
16	Sonarpur	1213	14639	354	16206	1675	9481	927
17	Kultali	618	44978	368	45964	8460	28853	103
18	Joynagar-I	2325	14682	133	17140	1196	15658	72
19	Joynagar-II	2514	25404	385	28303	6119	28725	19
20	Bhangore-I	222	29828	436	30486	471	25052	523
21	Bhangore-II	2476	25787	88	28351	329	16492	268
	BARUIPUR S.D.	14285	175588	2137	192010	19879	140879	2292
22	Canning-I	204	24412	383	24999	6889	18190	1209
23	Canning-II	41	31505	362	31908	6752	22933	1948
24	Basanti	8695	44301	660	53656	16465	52854	2462
25	Gosaba	1914	49718	245	51877	15229	56210	4126
	CANIING S.D.	10854	149936	1650	162440	45335	150187	9745
26	Kakdwip	3056	39589	15	42660	596	25237	124
27	Namkhana	1894	29530	0	31424	2716	22584	712
28	Sagar	3725	58056	0	61781	4753	40753	177
29	Patarpratima	3628	78228	240	82096	13190	51463	899
	KAKDWIP S.D.	12303	205403	255	217961	21255	140037	1912
	District Total	57916	719135	4668	781719	95793	601603	16222

Particular	Cocks /Drakes			Hens / Ducks			Total Livestock Resources is 15,18,028 & poultry is 39,56,325
	Desi	Improved	Total	Desi	Improved	Total	
Chicken	237548	192230	429778	600781	432556	1033337	
Duck	274591	32820	307411	101161	20112	121273	

Report Format on Drought/Flood situation as on _____

Annexure – A

[illegible]

FLOOD LIKE EMERGENCY REPORT

Annexure – B

Date of 1st occurrence: 08.08.17 TO 22.08.17 DISTRICT: SOUTH 24 PGS. As on 23.08.17

Sl. No.	Name of Block / Municipality affected	No. of G.P./ Ward Afftd.	No. of Animals affected				No. of Animals Died / Missing/ Loss of resources						No. of Animals Disposed
			Cattle & Buffalo	Sheep & Goat	Pig & others	Poultry & Duck	Large animal		Other animal		Poultry & Duck	Damages of Animal /Bird shed	
							LA-Milch	LA-Drought	Small Animal	Other			

FLOOD LIKE EMERGENCY REPORT Annexure –C

[illegible]

Additional information if any:-

CA-II REPORT

1	Name of the district	
2	Name of the Calamity	
3	Date & Time of occurrence	
4	No. & Name of Blocks affected	
5	No. & Name of Municipalities affected	
6	No. of villages affected	
7	No. of People affected	
8	No. of Human life lost	
9	No. of Cattle/Livestock Lost	
	Loss of Crop(Rs. In Lakh)	
10	Crop areas damaged (in Hectors)	
	Loss of Crop (in MT)	
11	Value of damaged crop (Rs. In Lakh)	
12	No. of Houses damaged/destroyed:- Fully-----	Money Value (Rs in Lakh)
	Partly -----	Money Value (Rs in Lakh)
13	Damage to properties other than crops & houses Name of properties i) ii) iii)	Value of Damage : (Rs. In Lakh) i) ii) iii)
14	No. of relief Camps opened :	
15	No. of people in Relief Camps/ Shelters :	
16	No. of Gruel Kitchen opened :	
17	No. of Persons rescued :	
18	No. of boats deployed for evacuation :	
19	No. of Medical Teams deployed :	
20	No. of cattle Camps opened :	
21	No. of Cattle in Cattle camps :	
22	Total Loss in Lakh (9+11+12+13)	
23	Relief Measures taken :	

Disposal of Animal Carcasses: A Prototype

*Ref: NATIONAL DISASTER MANAGEMENT GUIDELINES: MANAGEMENT OF BIOLOGICAL DISASTERS,
Annexure-H Refers to Chapter 6, Page 91*

1. If death was caused by a highly infectious disease

- Clean and disinfect the area after the carcass is removed.
- Wear protective clothing when handling dead stock and thoroughly disinfect or dispose of clothing before handling live animals.
- Properly dispose of contaminated bedding, milk, manure, or feed.
- Check with the State Veterinarian about disposal options. Burial may not be legal. Special methods of incineration or burial may be used in cases of highly infectious diseases.
- Limit the access of the dead stock collector and his vehicle to areas well away from other animals, their feed and water supply, grazing areas, or walkways.

The standard site requirements for disposal of dead animals are:

- 6 feet above bedrock, 4 feet above seasonal high ground water.
- 2 feet of soil on top, final cover.
- Greater than 100 feet from property lines.
- Greater than 300 feet from water supplies.

2. Composting dead stock

A. Decide what method you will use. Burial methods include static piles, turned windrows, turned bins, and contained systems. Information on the first three methods is available on several websites listed under ‘Resources on deadstock disposal.’

- Static piles with minimum dimensions of 4 feet long, by 4 feet wide, by 4 feet deep are by far the simplest to use.
- Turned windrows may be an option for farmers already composting manure in windrows.
- Turned bin systems are more common for handling swine and poultry mortalities.
- The eco-pod is a contained system developed by Ag-Bag, which has been used to compost swine and poultry mortalities.

B. Select an appropriate site.

- Well-drained with all-season accessibility.
- At least 3 feet above seasonal high ground water levels.
- At least 100 (preferably 200) feet from surface waterways, sinkholes, seasonal seeps, or ponds.
- At least 150 feet from roads or property lines—think about which way the wind blows.
- Outside any Class I groundwater, wetland or buffer, or Source Protection Area contact—NRCS for verification.

C. Select and use effective carbon sources.

- Use materials such as wood chips, wood shavings, coarse sawdust, chopped straw or dry heavily bedded horse or heifer manure as bulking materials. Co-compost materials for the base and cover must allow air to enter the pile.
- If the bulking materials are not very absorbent, cover them with a 6-inch layer of sawdust to prevent fluids from leaching from the pile.
- Cover the carcass 2 feet deep with high-carbon materials such as old silage, dry bedding (other than paper), sawdust, or compost from an old pile.
- Plan on a 12’ x 12’ base for an adult dairy animal. The base should be at least 2 feet deep and should allow 2 feet on all sides around the carcass.
- When composting smaller carcasses, place them in layers separated by 2 feet of material.

D. Prepare the carcass.

- After placing the carcass on the base, lance the rumen of adult cattle. Explosive release of gasses may uncover the pile releasing odours and attracting scavengers.

E. Protect the site from scavengers.

- Adequate depth of materials on top of the carcass should minimise odours and the risk of scavengers disturbing the pile.
- Scavengers may be deterred by the temperatures within the pile, but, if not, an inexpensive fence of upside down hog wire may be adequate to avoid problems.

F. Monitor the process.

- Keep a log of temperature, carcass weight, and co-compost materials when each pile is started. Weather and starting materials will affect the process.
- Measure pile temperature with a compost thermometer 6 to 8 inches from the top of the pile and deep within to check for proper heating. Check daily for the first week or two. Pile temperature should reach 65°C for 3 consecutive days to eliminate common pathogens.
- Record events or problems such as scavenging, odours, or liquid leaking from the pile. Wait. Most large carcasses will be fully degraded within 4-6 months. Smaller carcasses take less time. Turning the pile after 3 months can accelerate the process.

Measures to be taken for Increasing Availability of Fodder

1. Availability of adequate quantity of feed and fodder for livestock is essential for improving livestock productivity. Under the Rashtriya Krishi Vikas Yojana (RKVY), the States have sufficient funds and autonomy to undertake development of feed and fodder besides other agricultural and allied activities. The Accelerated Fodder Development Programme (AFDP) launched in the financial year 2011-12 as a component of RKVY has also provided additional funds to the selected States. Further, as per the latest guidelines, MNREGS funds can also be utilized for improving availability of fodder.
2. Though the availability of feed and fodder has improved in the last decade, still there exists a substantial gap between the demand and availability of fodder in the country, particularly during the lean periods and at the time of natural calamities including droughts/floods. Measures may be taken for ensuring maximum availability of fodder for sustaining livestock production:

Optimum utilization of land resources

3. India with above 2.3% of the land area of the world, is maintaining about 10.71% of the world's livestock. The availability, requirement and shortage of fodder as estimated by NABCONS in 2007 is as under:

(Dry matter in million tones)

S.No.	Type of fodder	Demand	Availability	Gap
1.	Dry Fodder	416	253	163 (40%)
2.	Green Fodder	222	143	79 (36%)
3.	Concentrate	53	23	30 (57%)

Source: NABCONS-2007.

4. The number of livestock is growing rapidly, but the grazing lands are gradually diminishing due to pressure on land for agricultural and non-agricultural uses. Most of the grazing lands have either been degraded or encroached upon restricting its availability for grazing. The area under fodder cultivation is limited to about 4% of the cropping area, and it has remained static for the last four decades. Owing to the importance of food crops and other cash crops, it is very unlikely that the area under fodder cultivation would increase substantially.
5. Therefore, the need of the time is to adopt the practice of land use with multiple crops in a sustainable manner. Adopting Silvi-pastoral and Horti-pastoral models suitable to the area can help in substantially enhancing the availability of forage for the livestock.
6. Inadequate availability of quality fodder seeds is a major constraint. Fodder seed production is not remunerative in many of the fodder crops. State Governments may take initiatives to encourage farmers for taking up the production of high yielding varieties by providing sufficient incentives to farmers for production of fodder seeds of high yielding varieties by way of assured procurement with a remunerative price and assistance of inputs. State Governments can avail the benefit of the component of 'Fodder Seed Procurement and Distribution' under the 'Centrally Sponsored Fodder and Feed Development Scheme'. Provisions under AFDP can also be utilized for this purpose.
7. There is a need to disseminate the benefits of using high yielding quality fodder seeds and combination of crops among the farmers through front line demonstrations (FLD) and minikits.
8. Cultivation of Azolla may be taken up on large scale as it is highly nutritious, rich in protein and ready within a week.
9. This Department is implementing the component of grassland development including grass reserves with 100% Central grant. States can avail benefit under the scheme. Besides, other marginal lands like roadside land, canal side land, land along the railway tracks, etc., may also be utilised for forage cultivation. The forest department can also undertake silvi-pastoral plantations in degraded forest areas through the Joint Forest Management Committees for use of the communities as explained earlier.
10. The State Governments should make it a priority programme to install chaff cutters and construction of manger in each and every household keeping cattle, in order to economize the use of available fodder. This measure can result in saving of upto about 30% fodder.
11. State Governments may promote use of crop residues and agricultural wastes/bye-products as animal feed by enriching it through available technologies like treatment of straw with urea and molasses along with silage. Green topping of sugarcane and other crops should be saved for use as fodder.
12. It has been seen that very less emphasis is given on extension activities for feed and fodder development. States may strengthen extension activities by associating KVKs, which must play a lead role in educating the farmers in maximizing fodder output with limited land and ensuring quality of feed. Progressive livestock farmers may be identified for training through KVKs/SAUs for growing improved varieties of fodder. The progressive farmers can in turn train other farmers.
13. Use of leguminous crops with forage varieties may be popularised through frontline demonstrations through the KVKs.
14. State Governments may dovetail the fodder and feed development programmes with the MNREGA. The guidelines of MNREGA provide for location-specific grassland development for ensuring adequate fodder supply.

STOCK OF VETERINARY MEDICINES AS ON 31.01.18

Sl. No	Name of the Product	TOTAL STOCK
1	Pulv. Appetonic	2035 Pak.
2	Pulv. H.B. Strong	28600 Pouch
3	Pulv. Ajwan	3053 Pak.
4	Pulv. Nux Vom	424 Pak.
5	Pulv. Chirata	325 Pak.
6	Pulv. Ginger	743 Pak.
7	Liq. Tick cide	5445 vial
8	Pulv. Timpol	1925 Pak.
9	Liq. Mebolve	1128 Bot.

Remark: Medicine procurement is on process for Annual Supply for the 2018-19.

STOCK OF Vety. Biologicals AS ON 31.01.18

BP	Qty (Doses)	BP	Qty (Doses)	BP	Qty (Doses)
RDR2B	62400	FMD	0	Goat Pox	54500
RDF strain	21300	BQ	2300	PPR	49200
Fowl Pox	7700	HS	1660	ARV	5225
Fowl Cholera	3800	Duck Cholera	1800	S. Fever	1605
DP	18250	Anthrax	0		

**Action Plan of
Deputy Director of Agriculture (Admin) - 2018
of South 24-Parganas**

Introduction :- The district of South 24 Parganas is located in the lower deltaic plain on the composite Gangetic Delta and covered by the Quaternary sediments deposited by the Ganga and its tributaries.

Water stagnation is a regular feature in the Sadar, Baruipur, Canning and D/Harbour Sub-Division of the district covering 15 nos of Blocks out of 31 nos. Blocks

Due to poor drainage system rain water remain stagnated in the Paddy fields during the month of August – October every year causing huge damage to the Paddy.

Sometime problem becomes aggravated due to breach of Embankment of Rivers causing over inundation of Crop fields.

Apart from drought and flood, hail storm, thunderstorm, etc are also of common occurrence of this district, although the extents of damage in these cases are not as much as drought and/or flood.

To combat the situations arisen due to Natural calamities, a contingent planning is made from this end .

The farmers of this district are advised to follow the management methods according to the situation noted below.

RAINFALL PATTERN OF SOUTH 24 PARGANAS (LAST 10 YEARS` AVERAGE)

MONTH	NORMAL RAINFALL (MM)	NORMAL ONSET	NORMAL CESSATION
JUNE - SEPTEMBER	1395	2 ND WEEK OF JUNE	1 ST WEEK OF SEPTEMBER
OCT- DEC	90	1 ST WEEK OF OCTOBER	1 ST WEEK OF DEC
JAN- FEB	56	1 ST WEEK OF JANUARY	1 ST WEEK OF FEB
MARCH-MAY	182	1 ST WEEK OF MARCH	1 ST WEEK OF MAY
ANNUAL	1723		

1. Planning for Drought :-

A) Occurrence of drought at the early stage of Kharif cultivation :-

- i) Preparing seed bed in phases to get seedlings of proper age during transplanting availing favourable weather condition, long duration paddy varieties can be transplanted up to 1st week of September according to the land situation.
- ii) High yielding varieties like IET-5656, MTU-7029, Sabita, Ajit, Mukdashree, Gosaba-5, Sukumar can give good production if they are transplanted late with aged seedlings, So, 10% seed stock may be made from those varieties.
- iii) Construction of Earthen Bunds around the individual plot to harvest runoff water.
- iv) Application of Organic Manure at recommended doses to improve water holding capacity of the soil.
- v) Un-covered upland area may be covered according to the availability of moisture with pulses (crops like- Rabi Kalai, Summer Moong) Oil seeds (like-Winter-Til, and Sunflower etc.).
- vi) In case of late arrival of monsoon in later part of July or early to mid part of August rice can be cultivated following System of Rice Intensification (SRI) technology. In this technology seedling can be raised

within 12-14 days. There is requirement of only 800gm. to 1 kg. of Seed per bigha of Land. This technology is suitable in Upland or Medium type of land stratification.

- vii) Adoption of SUDHA technology of Rice cultivation for combating the untimely rainfall may be advocated. In this case 1.3 to 1.6 kg paddy seed is sown in 2 katha (133sq.mt) and seedling can be grown in nursery bed up to 40-60 days. As such depending upon the availability of rain water farmers can transplant the paddy seedlings as per situation.
- viii) Use of Drum-seeder is suitable for Rice cultivation. The germinated Seeds are directly sown in puddled soil. This will give uniform Crop growth and Yield will be at per the normal system.
- ix) Adoption of Zero Tillage technique of rice sowing.
- x) Application of 50% Nitrogen as basal dose and closer spacing with higher nos. of Seedlings per hill are to be practiced.

Occurrence of drought at the mid of the Kharif season.

- i) Life saving irrigations has to be arranged from stored surface water as well as by utilizing ground water where possible according to the situation.
- ii) Construction of Earthen Bunds around the individual plot to harvest runoff water.
- iii) The cropped fields should be kept weed free to avoid moisture loss and up rooted Bio-Mass of weeds may be used as Soil Mulch, other mulching materials may also be used to conserve Soil Moisture. Top Dressing with Nitrogenous fertilizer should be discontinued to avoid Plasmolysis. However, depending upon the crop growth foliar spray of Urea @1-2% may be applied at the critical growth stages of the crop.
- iv) Seepage losses of water from field channels should be arrested or minimized and field channels should be kept weed free.
- v) Top dressing of fertilizer should be made with re-occurrence of rain especially at the critical stages of crops like tillering and just before panicle initiation stages of the crop to boost up growth and yield.

B) Occurrence of drought in the late period of Kharif Season.

- i) In this situation life saving Irrigation should be given according to the most critical growth stage where possible.
- ii) One thing is to be noted here that if the paddy fields are kept moist (under field capacity) at least for a period of 30 days (that is 15 days from panicle initiation up to grain formation stage) can give an average or moderate production.
- iii) Intensive Rabi/summer cropping programme should be taken to compensate the kharif loss if rain is available in the month of November or December.

D) Occurrence of drought during Rabi-summer Season.

- i) Life saving irrigations has to be arranged from stored surface water as well as from ground water sources. In case of vegetables "Basin" irrigation system specially for gourds, pumpkins etc. which are grown in *Mada* as locally called should be followed and in others cases where seed/seedlings are grown in lines furrow irrigation system should be followed. Alternate furrow irrigation is also advocated to minimize the loss of water.
- ii) In case of Mustard, Sunflower & Til lightest possible life saving irrigation should be provided. Furrow irrigation and locally called *Jhapta* Sech should be followed.
- iii) Boro Paddy growers should apply irrigation as soon as hair-cracking in the soil will be noticed and the quantity of water used should not be more than requirement to attain the field capacity.

- iv) The crop field should be kept weed free to avoid moisture loss.
- v) Seepage losses of water from field channel should be checked.
- vi) Mulching materials like Straw, Up-rooted Bio-Mass of Weeds etc. may be used as Soil Mulch in the Rice field to conserve Soil Moisture.

Following of the above practices, water use efficiency will be increased by reducing its total requirement as a whole and simultaneously optimum yield can be achieved.

1. PLANNING FOR FLOOD :-

i) Early Flood: -

(a) In case of early flood (July-Aug), Second transplantation may be made specially up to 15th September to get some yield. Rabi Kalai, Winter Til, Summer Moong etc. can be grown as alternative crop (s) in the up and medium lands where further transplantation is not possible.

(b) Use of sufficient Organic matter to avoid detrimental effect of sand infiltration in the cultivable areas to some extent, if sand accumulation is high then it is to be excavated either manually or mechanically.

In case of early flood also Rice can be cultivated following System of Rice Intensification (SRI) technology and or by using Drum-seeder.

ii) Late Flood :-

(a) In this case when there is no scope for Kharif programme intensive Rabi/summer programme is necessary to mitigate the Kharif loss.

(b) Use of sufficient Organic matter to avoid detrimental effect of sand infiltration in the cultivable areas to some extent, if sand accumulation is high then it is to be excavated either manually or mechanically.

After receding flood water from paddy field, first 4kg Muriate of Potash and after 7 days 10 kg of Urea per 33 decimal areas are to be applied. For controlling of diseases, appropriate fungicides are to be applied in consultation with local Asstt.D.A, Block.

DETAILS OF DISASTER MANAGEMENT (DROUGHT OR FLOOD) PLAN FOR THE YEAR 2017-2018

1. PLANNING FOR MANAGEMENT OF DROUGHT :-

A.) Drought in the Early stage of the Kharif Season :-

- i) Organization of awareness camp/farmers training camp at block /village level by the A.D.A. block/K.P.S under the supervision of the concerned A.D.A. block. The content of awareness camp should be growing of crops in different land situation, varieties of paddy can be grown late and their Agronomical practices etc.

-: Following Minikits are to be required for distribution among the Small & Marginal Farmers :-

Sl. No.	Name of the Kit	Nos. of Kit	Size of Kit	Area to Covered
1.	Paddy (HYV)	70000	6 kg./kit	9334 ha.
2.	Black gram	1000	4 kg./kit	133 ha.
3.	Rabi Kalai	20000	4 kg./kit	2667 ha.
4.	Linseed	1200	1 kg./kit	160 ha.
5.	Toria	20000	1 kg./kit	2667 ha.
6.	Winter Sesamum	1500	1 kg./kit	200 ha.
7.	Sunflower (Hybrid)	3000	1 kg./kit	4000 ha.
8.	Maize (Hybrid)	10000	3 kg./kit	1000 ha.
9.	Summer Moong	100000	4kg/kit	13333 ha

A) Drought in the Mid of the Kharif Season :-

Organization of Training camps /group meeting at Block /Village level by the A.D.A. block/K.P.S under the supervision of the A.D.A. block, regarding agronomical practices, judicious use of rain & Irrigation water etc. during drought & also after re-occurrence of rain.

B) For Late draught :-

- i) Organization of Training camp/group meeting/farmers meeting at block level & village level by the A.D.A. Block & K.P.S respectively regarding judicious use of irrigation water according to the critical stage of growth.

Intensive Rabi summer Production programme is necessary to mitigate Kharif loss.

Following Minikits are required for distribution among drought affected Small & Marginal Farmers

Sl. No.	Name of the Kit	Nos. of Kit	Size of Kit	Area to Covered
1.	Wheat	3000	15 kg./kit	400 ha.
2.	Mustard	16000	1 kg./kit	2100 ha.
3.	Lentil	30000	4 kg./kit	4000 ha.
4.	Gram	3000	4 kg./kit	400 ha.
5.	Khesari	26000	4 kg./kit	3467 ha.
6.	Summer Sesamum	30000	1 kg./kit	4000 ha.
7.	Summer Moong	30000	4 kg./kit	4000 ha.
8.	Sunflower (Hybrid)	28000	1 kg./kit	3700 ha.

PLANNING FOR MANAGEMENT OF FLOOD**A) Early Flood:**

The following measures will be taken to tackle the situation:-

- i) Raising of community nursery bed in Govt. Farms and high land of farmers' field with appropriate high yielding variety like Ajit, Rajendra Bhagawati, MTU1010, DRR-42, DRR-45, IR-64 Sub, CR Dhan801 etc. In case of non availability of HYV, local variety like Bhasamanik, Kabirajsal, Bahurupi, Nagra, etc can be cultivated.
- ii) Minikit for distribution among the flood affected small & marginal farmers.

Sl. No.	Name of the Kit	Nos. of Kit	Size of Kit	Area to Covered
1.	Paddy (HYV)	150000	6 kg./kit	18000 ha.
2.	Rabi Kalai	6000	4 kg./kit	800 ha.

B) Late Flood.

Minikit for distribution among the flood affected small & marginal farmers.

Sl. No.	Name of the Kit	Nos. of Kit	Size of Kit	Area to Covered
1.	Boro Paddy	133333	15 kg./kit	40000 ha.
2.	Mustard	15000	1 kg./kit	2000 ha.
3.	Fertilizer	133333	30kg./kit	40000 ha
4.	Gram	3000	4 kg./kit	400 ha.
5.	Khesari	3000	4 kg./kit	400 ha.
6.	Summer Sesamum	15000	1 kg./kit	2000 ha.
7.	Summer Moong	3000	4 kg./kit	400 ha.
8.	Sunflower	3000	1 kg./kit	600 ha.
9.	Lentil	3000	4 kg./kit	400 ha.

2. HAIL STORM :- This is also of common occurrence in this District.

- (a) Reconstruction measures are to be undertaken to make good the losses of the farmers.
- (b) Sowing should be done to catch the season early so as to escape the natural peril which usually occur during end April and early May.

Management plan:-

- i) Early sowing of Boro Paddy and other summer crops.
- ii) Following minikits are to be required for distribution among the Small & Marginal Farmers to compensate the Boro Paddy loss.

Sl. No.	Name of the Kit	Nos. of Kit	Size of Kit	Area to Covered
1.	Paddy (HYV)	50000	6 kg./kit	6000 ha.
2.	Maize (Hybrid)	7500	3 kg./kit	1000 ha.

Other measures to be taken are as follows

1. Conversion of long term loan into long term
2. Sanction of loan to the disaster affected farmers through KCC.
3. Bringing farmers under crop insurance coverage.
4. Financial Assistance to calamity affected farmers under SDRF following Government norms and orders.

**Deputy Director of Agriculture (Administration),
South 24 Parganas**

School Safety Plan - 2018
South 24-Parganas

What is the need for preparing School Safety Plan?

The aim of School Safety Plan is to ensure the safety of students and staffs during emergencies. It is necessary to know how to identify hazards in the school, how to manage the hazards and how to mitigate the effects through planning and effective response. As the schools have many resources and are community nodes, and they also have a responsibility towards the immediate locality.

SCHOOL DISASTER MANAGEMENT COMMITTEE(SDMC):

FOR SECONDARY SCHOOL:-

- a) Headmaster /Headmistress/Teacher-in-charge
- b) President of Govt. Sponsored Committee
- c) Representative of BDO
- d) BMOH
- e) Concerned Sub-Inspector of School
- f) Two guardians

Functions of SDMC:-

1. Awareness Generation.
2. Development of Preparedness and Response Plans at the Community as well as Administrative levels.
3. Training and Capacity Building at all levels.
4. Resource Management and Logistics support.
5. Identify the health hazards.
6. Exercises, Evaluations and Corrective Measures.

TYPES OF DISASTERS WHICH AFFECT CHILDREN SEVERELY IN THE SCHOOL:

- Fire
- CMDMP
- Earth quack
- Dengue
- Malaria
- Flood
- Cyclone
- Snake bite

Status of SSPDM in South 24 Parganas

Block	School	Urban/ Rural	No. of Stude nts	No. of Staffs	Equipments available for disaster managemen t	HM/TIC Contact No	Whet her SDM C form ed or not
BISHNUPUR II	GOBINDAPUR UNION SIKSHANIKETAN (HS)	RURAL	1100		ONLY SMALL FIRE EXTINGUISHERS (3)	9831926212 (HM)	
	MIRZAPUR AGRI INDUSTRIAL H.S.					9734029562	
	MATHURAPUR ARYA VIDYAPITH RMSA					9433288486	
	KRISHNACHAN DRAPUR HIGH SCHOOL(RMSA)					8001679368	
	BATISWAR DR. SAILENDRA DHANANJOY VIDYAPITH					9433245696	
	RANAGHATA HIGH SCHOOL H.S.					9733516408	
	BHETKIPUR HIGH SCHOOL					9830739340	
	PATUNIGHATA GIRLS HIGH SCHOOL					9051877222	
	DATTERCHAK HIGH SCHOOL (H.S)					943222860	
	MATHURAPUR BALIKA VIDYALAYA(H.S.)					9830014272	
	KAMARPOTA RAMKRISHNA VIDYAMANDIR H.S.					9564107947	
	LALPUR SANTOSH NAGAR HIGH MADRASH					9732824362	

KATANDIGHI JUNIOR HIGH SCHOOL					9836280820	
KANKPUKUR JUNIOR HIGH SCHOOL					9733594450	
DEBIPUR JUNIOR HIGH SCHOOL						
BGRIHASREES FOR GIRLS UP		1087	19	YES	9434572956	
UDAYRAMPUR POLLISRI S UP		1672	27	NO	9681150637	
AMTALA NIVEDITA BALIKA UP		1436	26	YES	9830401608	
ENAYATNAGA R MI H MADRASA UP		998	19	YES	9831147393	
PIR TALA HIGH SCHOOL UP		1241	23	NO	9836003784	
RORATY R VIDYAPITH		767	17	FIRE EXTINGUIS HER	8777751002	
SEVE NAGAR BALIKA BIDYALAY UP		1300	23	YES	9051668449	
GOBINDAPUR U S NIKETAN UP		1100	19	SMALL FIRE EXTIGUISH ER	9831926212	
R C NAGAR HIGH SCHOOL UP		618	13	NIL	9330948160	
KISHOREPUR GIRLS JR HIGH		126	13	FIRE EXTINGUIS HER	8777025525	
GOTALAHAT SB HIGH SCHOOL UP		1320	23	FIRE EXTINGUIS HER	9433079336	
EGARA GRAM S NIKETAN UP		222	6	YES	9062304677	
JOYRAMPUR M C DEY S S UP		130	12	YES	9831097594	
RK PUR S BIDYAMANDIR J H UP		78	7	YES	8647866249	
VIDYANAGAR BALIKA VIDYALAYA		1724	29	2 FIRE EXTENGUI SHAR	9830806702	

	BAKHRAHAT GIRLS HIGH SCHOOL HS		1530	36	3 FIRE EXTENGUI SHAR	7044055167	
	BAKHRAHAT HIGH SCHOOL HS		1450	33	2 FIRE EXTENGUI SHAR	9836956009	
	NANDABHANG A HIGH SCHOOL		520	13	YES	9874878354	
	RAMNAGAR ADARSHA HIGH SCHOOL		1850	35	2 FIRE EXTENGUI SHAR	8697725577	
	BARAGAGAN GOHALIA HIGH SCHOOL		203	12	YES	9163998364	
NAMKHA NA	FATIKPUR JR HIGH SCHOOL		151	2	NO	9732928029	
	B PUR P SAHA M H MADRASHA UP		596	STAFF-4, TEACH ER-7	FIRE EXTINGUIS HER	9735218502	
	B PUR S M BALIKA BIDYALAYA UP		98		NO	8001223308	
	BUDHAKHALI JR.HIGH SCHOOL						
	RAJNAGAR SRINATHGRAM B BIDYAPITH UP		1464	31	NO	9732434909	
	GANESHNAGA R J HS UP		487	STAFF-3, Teacher 14	Yes	9933882628	
	N PUR LN MADHYAMIK B UP		667	Teacher-8 (includin g H.M) & Total10 (staff)	fire extinguisher ,sand bucket & watery pond with in school premises	9733851852	
	NAMKHANA N B MANDIR UP						
	NAMKHANA HIGH SCHOOL		820	21	FIRE EXTINGUIS HER	9233109705	
	NAMKHANA NARAYANGANJ JR.HIGH						

DEBNAGAR B BIDYALAYA UP		672	7	FIRE EXTINGUISHER, DRY POWER CELL-02	9933473699	
DEBNAGAR MD HIGH SCHOOL		1405	TEACHER- 17, PARATEACHER- 2, LIBRARIAN- 1, GROUP C- 2, GROUP D- 1	FIRE EXTINGUISHER	HM- 9732697258/ 9474399660	
NAMKHANA U R B BIDYALAY UP		350	7	No	9163492365	
NAMKHANA UNION HIGH SCHOOL		1021		FIRE EXTINGUISHER	9932286310	
DWARIKNAGAR HIGH SCHOOL		603	2 & 10	TWO FIRE EXTINGUISHER FOR MID DAY MEAL SECTION AND TWO PONDS AT OUR SCHOOL PREMISES	9735457652	
MOUSINI CO OPERATIVE HS		1541	14 & 3	NIL	9830416889	
BALIARA KISHOR HIGH SCHOOL		985	15	YES	9432952780	
KUSUMTALA BALIARA JUNIOR HIGH		97	2	FIRE EXTINGUISHER	8513960205	
DAKSHIN CHANDANPIRI JR. HIGH SCHOOL		109	2	NO	7890911801	
CHANDANPIRI PIRI MURARI MOHAN HIGH SCHOOL (H.S.)		1142	18	Water Pump- 01, & Fire Extinguisher (Dry Powder Cell)-03	9733908032, 9933021755	
HARIPUR NORTH JUNIOR		62	2	NIL	9933548193	

	HIGH SCHOOL						
	HARIPUR G DHAR BIDYAPITH		781	13	FIRE EXTINGUIS HER DRY POWER CELL-01	9733563273	
	D C NAGAR KARTICK CHANDRA BALIKA BIDYAPITH		153	4		7602497377	
	DAKSHIN CHANDRANAG AR JR.HIGH		31	2	FIRE EXTINGUIS HER	9733547871	
	RADHANAGAR SINGHAPARA JR HIGH		102	4		7872115785	
	RAJNAGAR BISWAMBHAR HIGH SCHOOL		1780	32 & 27	YES	9933134890	
	PATIBUNIA JUNIOR HIGH SCHOOL		152	2	FIRE EXTINGUIS HER	9836618616	
	PATIBUNIA UPENDRA BIDYAPITH		824	13	1. FIRE FIGHTING CYLINDER 2. EMERGEN CY EXIT 3. STORAGE 4. AWARNES S PROGRAM ME AMONG THE STUDENTS.	9732606393 puvidyapith@g mail.com	
	SHIBRAMPUR JR HIGH SCHOOL		138	4	NO	8768003494	
	D DURGAPUR C A HIGH SCHOOL			STAFF- 1, TEACH ER-14	Yes	9126682953	
	DEBINIBAS JUNIOR HIGH SCHOOL		71	1	NO	9735243020	
	N TALA D SIKSHA SADAN		1896	26	NO	9735635589	

	UP						
	F GANJ K PRASAD A BIDYAPITH UP						
	LAXMIPUR PRABARTAK JR HIGH		209	4	FIRE EXTINGUIS HER	8945991552	
BHANGAR II	BHOJERHAT SARADA DESHAPRIYA BALIKA VIDYALAYA		1585	30	FIRE FIGHTING MEASURE EXISTS ONLY IN KITCHEN.	9231973149	
	KARBALA BALIKA VIDYALAYA		1032	9	FIRE EXTENGUI SHARS ARE PRESENT	9635010369/990 3772540	
	POLERHAT HIGH SCHOOL		3330	43	YES	7797458461	
	KANTALIA HIGH SCHOOL		1215	24	HAVE 2 NOS. OF FIRE EXTINGUIS HER AND ALTERNAT IVE EXIT GATE.	943264880	
	LANGAL BENKI POLLY MONGAL HIGH SCHOOL		610	10	NO	9836316813	
	HATGACHA HARIDAS BIDYAPITH UP		2719	45	FIRE EXTENGUI SHARS ARE PRESENT	9836256947	
	BAMANGHATA HIGH SCHOOL		1886	34	FIRE EXTINGUIS HER - 2	9748302303	
	BEONTA JUNIOR HIGH SCHOOL		192	4	FIRE EXTENGUI SHARS ARE PRESENT	9173574634	
	HATISALA SAROJINI HIGH MADRASAH(H.S)		1759	40	FIRE EXTINGUIS HER - 2	9903233689	

	PAIKAN JUNIOR HIGH SCHOOL		87	4	FIRE EXTENGUI SHARS ARE PRESENT	8336903001	
	BHAGOWANPUR HIGH SCHOOL		2903	63	YES	9163817940	
	PITHAPUKURIA JUNIOR HIGH SCHOOL		92	4	FIRE EXTENGUI SHARS ARE PRESENT	8336903001	
	SATULIA I SENIOR MADRASHA		1753	26	FIRE EXTENGUI SHARS ARE PRESENT	7602455537	
	SATBHAIYA JR.HIGH SCHOOL		206	4	FIRE EXTENGUI SHARS ARE PRESENT	9836118338	
	ALAKUILIA JUNIOR HIGH SCHOOL		216	4	FIRE EXTENGUI SHARS ARE PRESENT	9874993685	
	CHILATALA JUNIOR HIGH SCHOOL		50	4	FIRE EXTENGUI SHARS ARE PRESENT	9836627852	
	KACHUA HIGH SCHOOL		1720	22	FIRE EXTENGUI SHARS ARE PRESENT	9775189804	
	BAMUNIA SOUTH JR.HIGH SCHOOL		147	4	FIRE EXTENGUI SHARS ARE PRESENT	9564491086	
	CHALTABERIA HIGH MADRASHA		1810	24	YES	9635496690	
	SAYASTYANGA CHI JR.HIGH SCHOOL		94	4	FIRE EXTENGUI SHARS ARE PRESENT	9732633295	

	UTTARGAZIPUR JAMADARPUKUR JR.HIGH		40	4	FIRE EXTENGUISHARS ARE PRESENT	9731399089	
	SHYAMNAGAR JUNIOR HIGH SCHOOL		152	4	FIRE EXTENGUISHARS ARE PRESENT	9748918477	
	GARAGACHA JUNIOR HIGH SCHOOL		384	4	FIRE EXTENGUISHARS ARE PRESENT	8936710110	
	MAJERHAT CHALEGOALIA JR.HIGH SCHOOL		144	4	FIRE EXTENGUISHARS ARE PRESENT	8820061229	
	NIMKURIA JUNIOR HIGH SCHOOL		161	4	FIRE EXTENGUISHARS ARE PRESENT	9051845938	
	KARBALA HIGH SCHOOL		2080	25	FIRE EXTENGUISHARS ARE PRESENT	9433150140	
MATHUR APUR II	BHADRAPARA GILARCHAT GIRLS HIGH SCHOOL		1705	34	FIRE EXTENGUISHAR	9434570922	
	BHADRAPARA GILARCHAT HIGH SCHOOL HS		113		FIRE EXTENGUISHAR	7407640489	
	BOYARGADI DUKHERPOLE JR HIGH SCHOOL		27	1	FIRE EXTENGUISHAR	9732813708	
	CHAPLA HIGH SCHOOL HS		742	24	FIRE EXTENGUISHAR	8296951414	
	DIGHIRPAR KARALIRCHAK HIGH SCHOOL		976	25	FIRE EXTENGUISHAR	9933962666	
	HALDERPARA JR HIGH SCHOOL		34	2	FIRE EXTENGUISHAR	9733853023	

ISTARANPUR KALYANIPADA H SCHOOL HS		631	15	FIRE EXTENGUI SHAR	9933017925	
KASHINAGAR GIRLS HIGH SCHOOL HS		869	19	FIRE EXTENGUI SHAR	9836239619	
KASHINAGAR HIGH SCHOOL		1101	24	FIRE EXTENGUI SHAR	9474192902	
KATLAPARA JR HIGH SCHOOL		30	2	FIRE EXTENGUI SHAR	9734227523	
KAUTALA RAMKRISHNA ASHRAM H SCHOOL		1317	24	FIRE EXTENGUI SHAR	9733945761	
KHANRAPARA HIGH SCHOOL		762	21	FIRE EXTENGUI SHAR	9830034748	
KHARI GUNASINDHU BALIKA VIDYAPITH HS		492	13	FIRE EXTENGUI SHAR	8017437001	
KHARI KALIKAPUR HIGH MADRASAH		417	10	FIRE EXTENGUI SHAR	9732828364	
MUKHERJEERC HACK BD HIGH SCHOOL		584	16	FIRE EXTENGUI SHAR	9007701701	
PAKURTALA RAMKRISHNA VIDYAMANDIR		461	14	FIRE EXTENGUI SHAR	9002111296	
PURANDARPUR HHD HIGH SCHOOL HS		560	16	FIRE EXTENGUI SHAR	9564054303	
RADHAKANTA PUR S CHARAN H SCHOOL		424	7	FIRE EXTENGUI SHAR	9775534636	
SAHACHARI BIHARI VIDYAPITH HIGH		241	7	FIRE EXTENGUI SHAR	9933974602	
SUBHASNAGAR HIGH SCHOOL		453	12	FIRE EXTENGUI SHAR	9732766735	
RANGAMINA NALPUKUR JUNIOR HIGH SCHOOL		21	1	FIRE EXTENGUI SHAR	9002664055	
BARIBHANGA B CHARAN B HS						

CHOWDDARAS HI JUNIOR HIGH SCHOOL		71	2	2 FIRE EXTENGUI SHAR	9836343145	
DAKSHIN KANKANDIGHI JR HIGH SCHOOL		43	2	1 FIRE EXTENGUI SHAR	9143518108	
DAMKAL JR HIGH SCHOOL		63	2	2 FIRE EXTENGUI SHAR	9732757681	
DAMKAL PIRKHALI JUNIOR HIGH SCHOOL		141	1	1 FIRE EXTENGUI SHAR	9051119168	
JATA NAGENDRAPUR HIGH SCHOOL HS		1366	20	3 FIRE EXTENGUI SHAR	9123689794	
JOGENDRAPUR HIGH SCHOOL HS		1272	18	3 FIRE EXTENGUI SHAR	9932735710	
JOYKRISHNAPU R A N VIDYAPITH		825	25+2	2 FIRE EXTENGUI SHAR, 2 LARGE POND, A WATER TANK 3 EMERGEN CY EXIT	7980566066	
KAILASHPUR JR HIGH SCHOOL		96	3	3 FIRE EXTENGUI SHAR	9143857062	
KANKAN DIGHI BABUJAN SEPHI H SCHOOL		577	11+2	1 FIRE EXTENGUI SHAR	9932791823	
KUMRAPARA DELWAR HOSSAIN VIDYAPITH		652	13+2	3 FIRE EXTENGUI SHAR	8653838079	
MADHUSUDAN CHAK JR HIGH SCHOOL		70	2	2 FIRE EXTENGUI SHAR	7797768362	
NAGENDRAPUR H K HIGH SCHOOL HS		1103	19	3 FIRE EXTENGUI SHAR	9933141559	
NANDAKUMAR PUR HIGH SCHOOL HS		920	24	INSUFFICIE NT	9674095185	
NARENDRAPUR MILAN VIDYAPITH H S		1151	27	3 FIRE EXTENGUI SHAR	9433617638	

	PURBA JOYKRISHNAPUR JR.HIGH SCHOOL		28	1	3 FIRE EXTENGUI SHAR	8777030383/983 1727379	
	PURBA S SARKARPARA JR HIGH SCHOOL		105	2	FIRE FIGHTING CYLINDER	9734347283	
	RAIDIGHI S C HIGH SCHOOL HS		2219	27	3 FIRE EXTENGUI SHAR	9475339429	
	SINGER CHAK JR HIGH SCHOOL		76	2	2 FIRE EXTENGUI SHAR	8926553903	
	SRIFALTALA SANNYASI GAYEN BALIKA VIDYAPITH		352	9	INSUFFICIENT	8116526799	
	SUNDARBAN S G B VIDYAMANDIR		219	9	4 FIRE EXTENGUI SHAR	9836007919	
	TALTALA JUNIOR HIGH SCHOOL		92	2	1 FIRE EXTENGUI SHAR	9062390134	
	GOALARA JR. HIGH SCHOOL		5	0	INSUFFICIENT	9732545268	
	M K MILAN SIKHA SADAN UP		699	12		9732813802	
BISHNUPUR I	ABHOY CHARAN VIDYAPITH HS		1150	30	YES	9748028293	
	AMGACHIA JUNIOR HIGH SCHOOL		45	3	YES	8777348891	
	AMGACHIA LALBAHADUR JUNIOR HIGH SCHOOL		66	5	YES	9836866717	
	BAGI KALIPADA ROY VIDYAMANDIR JUNIOR HIGH SCHOOL		82	8	YES	8336857771	
	BARDEULI ADARSHA SIKSHANIKETAN HIGH SCHOOL		450	11	YES	9836408290	
	BEJOYRAMPUR PYARIMOHAN HIGH SCHOOL		580	10	YES	9831713489	

BISHNUPUR JUNIOR HIGH SCHOOL		28	5	YES	9903935290	
BISHNUPUR SIKSHA SANGHA		1516	34	YES	9903424547	
DAKSHIN GOURIPUR JR HIGH		72	3	YES	7685852699	
DAULATPUR HIGH SCHOOL		170	28	YES	9883735434	
GABBERIA CHHATRA BANDHU VIDYAPITH HS		2100	36	YES	9143174116	
GANDHABADU LI AGHORE KAMINI INSTITUTION HS		1250	27	YES	9748040171	
KANYANAGAR VIDYAPITH HIGH SCHOOL		492	10	YES	9433855269	
KASTEKUMARI H SCHOOL UP		1670	33	YES	9831713489	
KHARIBERIA JUNIOR HIGH SCHOOL		150	5	YES	9903360875	
MOUDI JR HIGH SCHOOL		28	1	NO	9830566452	
RAGHUDEVPUR ELOKESHI AIKATAN BALIKA VIDYALAY		1193	24	YES	8229912228	
ALTABERIA JUNIOR HIGH SCHOOL		93	5	FIRE EXTINGUIS ER	7890244688	
BALAKHALI JUNIOR HIGH SCHOOL		67	5	FIRE EXTINGUIS ER	9804808071	
BHANRU HIGH SCHOOL		318	9	FIRE EXTINGUIS ER	9874756394	
CHAKNETAI JUNIOR HIGH SCHOOL CO ED		51	5	FIRE EXTINGUIS ER	9051951876	
CHAKRASUN MAMUD JUNIOR HIGH SCHOOL		51	5	FIRE EXTINGUIS ER	7890861919	

	DK A PRASAD HIGH SCHOOL		126	6	FIRE EXTINGUIS ER	9883346566	
	DOMDOMA HIGH SCHOOL		970	22	FIRE EXTINGUIS ER	8334997408	
	DUDHBESHALI JUNIOR HIGH SCHOOL		30	5	FIRE EXTINGUIS ER	8420618513	
	GANGRAI JUNIOR HIGH SCHOOL CO ED		52	4	FIRE EXTINGUIS ER	9830092909	
	JHANJRA HIGH SCHOOL		1931	46	FIRE EXTINGUIS ER	8017127874	
	JULPIA ANDHARMANI K HIGH SCHOOL HS		2028	43	FIRE EXTINGUIS ER	9830122717	
	KHALSAMARI HIGH SCHOOL		147	4	FIRE EXTINGUIS ER	9093147741	
	MATANGINI HAZRA BALIKA VIDYALAYA		136	10	FIRE EXTINGUIS ER	8017366437	
	PANAKUA JUNIOR HIGH SCHOOL		81	5	FIRE EXTINGUIS ER	9143279127	
	PANARALA JUNIOR HIGH SCHOOL CO ED		71	5	FIRE EXTINGUIS ER	9903450022	
	RAGHABPUR ST PAULS HIGH SCHOOL		1215	31	FIRE EXTINGUIS ER	8017064520	
	RAHMANIA HIGH MADRASAH		727	6	FIRE EXTINGUIS ER	9433679582	
	RASHKHALI JUNIOR HIGH SCHOOL CO ED		81	5	FIRE EXTINGUIS ER	9831511314	
	TAPNA CHATURBHUI HIGH SCHOOL		325	10	FIRE EXTINGUIS ER	9230514131	
	UCHHEKHALI HIGH SCHOOL		345	5	FIRE EXTINGUIS ER	7278679654	
	UTTAR KAJIRHAT JUNIOR HIGH SCHOOL		108	5	YES	9073207961	
MATHUR APUR - 1	BATISWAR DR SD VIDYAPITH		475	13	FIRE EXTINGUIS ER	9433245696	

BHETKIPUR HIGH SCHOOL		360	17	FIRE EXTINGUIS ER	9830739340	
DATTER CHAK HIGH SCHOOL HS		420	13	FIRE EXTINGUIS ER	9432223860	
DEBIPUR JUNIOR HIGH SCHOOL		63	4	FIRE EXTINGUIS ER	9800704275	
KAMARPOTA RK BIDYAMANDIR HS		740	14	FIRE EXTINGUIS ER	9564107947	
KANK PUKUR JR HIGH SCHOOL		200	5	FIRE EXTINGUIS ER	9733594450	
KATANDIGHI JR HIGH SCHOOL		120	4	FIRE EXTINGUIS ER	9836280820	
KRISHNA CHANDRAPUR HS		3442	51	FIRE EXTINGUIS ER	8001679368	
LALPUR S NAGAR HIGH MADRASA		870	21	FIRE EXTINGUIS ER	9732824362	
MATHURAPUR ARYA VIDYAPITH HS		1578	33	FIRE EXTINGUIS ER	9433288486	
MATHURAPUR BALIKA BIDYALAY		240	10	FIRE EXTINGUIS ER	9477059753	
MIRZAPUR AGRI INDS HIGH SCHOOL		335	11	FIRE EXTINGUIS ER	9734029562	
PATUNIGHATA GIRLS JR HIGH UP		180	11	FIRE EXTINGUIS ER	9831805632	
RANAGHATA HIGH SCHOOL H S		1335	15	FIRE EXTINGUIS ER	9733516408	
BASUDEVPUR JR HIGH		60	2	FIRE EXTINGUIS ER	9433948548	
BHAGABANPU R JR HIGH SCHOOL		372	2	FIRE EXTINGUIS ER	9433948548	
BHIMNAGAR JR HIGH SCHOOL		87	2	FIRE EXTINGUIS ER	9775308122	
BOHALBERIA MD BN S SADAN		657	12	FIRE EXTINGUIS ER	9733823901	

	CHOWDHURY CHAK JR HIGH		294	2	FIRE EXTINGUIS ER	9831932171	
	DAHAKANDA SJH MADRASHA UP		423	7	FIRE EXTINGUIS ER	9734846891	
	DAUDPUR VIVEKANANDA VIDYAMANDIR		570	15	FIRE EXTINGUIS ER	9475421881	
	GHORADAL HIGH SCHOOL		1385	21	FIRE EXTINGUIS ER	9836716885	
	HARINDANGA KUMUDINI HIGH SCHOOL HS		562	12	FIRE EXTINGUIS ER	9432889289	
	IMAMADDIPUR KR HIGH SCHOOL		778	11	FIRE EXTINGUIS ER	9800587072	
	JADAVPUR HIGH SCHOOL		835	18	FIRE EXTINGUIS ER	9073475874	
	JANARDANPUR HIGH SCHOOL		284	9	FIRE EXTINGUIS ER	9836608677	
	L N PUR GIRLS HIGH SCHOOL		77	4	FIRE EXTINGUIS ER	9903484213	
	L N PUR SITANATH HIGH SCHOOL		847	18	FIRE EXTINGUIS ER	9830838948	
	LAKSHMINARA YANPUR ADARSHA HIGH SCHOOL		554	14	FIRE EXTINGUIS ER	9933816487	
	MADARPARA HIGH MADRASAH		1467	14	FIRE EXTINGUIS ER	9732697187	
	MATHURAPUR HIGH SCHOOL		1168	26	FIRE EXTINGUIS ER	9433833374	
	MATHURAPUR SRI RKV NARI SIKSHA MANDIR HS		860	17	FIRE EXTINGUIS ER	7797363060	
	NUTANCHAK JR HIGH SCHOOL		49	4	FIRE EXTINGUIS ER	9732880748	
	PATKELBERIA HIGH SCHOOL		165	7	FIRE EXTINGUIS ER	9433468692	

MAGRAH AT - II	ALIDA BAGNAR HIGH SCHOOL HS		1700	41	FIRE EXTINGUIS HER 3 STAIR CASE	9674080978	
	BANSUNDARIA SK HIGH SCHOOL		713	16	4 FIRE EXTINGUIS HER	9836020356	
	BENIPUR HIGH SCHOOL HS		1668	33+4	FIRE EXTINGUIS HER FOR MID-DAY- MEAL	9674634176	
	CHAK P K K B GIRLS HIGH SCHOOL HS		660	9	FIRE EXTINGUIS HER FITTING IS DONE & 2ND EMERGEN CY EXIT	9874116898	
	DHAMUA BALIKA VIDYALAYA		894	4+30	3 FIRE EXTINGUIS HER	9433888293	
	HOTAR ADARSHA HIGH SCHOOL		198	3+5	NO	9051835237	
	KARAMONURA J HIGH SCHOOL HS		1690	3+30	DRY POWDER FIRE EXTINGUIS HER 3 PICS	8016878198	
	MAHESHPUR HIGH SCHOOL		2248	2+25	NO	9830648686	
	MOHANPUR K K G C INSTITUTION		2680	49	3 FIRE EXTINGUIS HER	9051242522	
	MOUKHALI G G VIDYALAYA HS		2079	43	4 FIRE EXTINGUIS HER	9433172735	
	MULTI PEARY SREEMANTA INSTITUTION HS		2260	31	4 FIRE EXTINGUIS HER	9933797274	
	RADHANAGAR BNM INSTITUTION		1440	2+34		9038593394	
BARUIPU R	RANA BELIAGHATA HIGH SCHOOL		900	16 TEACH ER, 2 STAFF	CC CAMERA, NIGHT GURD, FIRE	9433101662	
	KANTHALBERI A HARIHAR		1400	25	NO	9007801009	

	HIGH						
	KEYATALA HIGH		2400	47	NO	9830479320	
	KOTALPUR M.S HIGH		1470	42	NO	9433617150	
	DHAPDHAPI HIGH		2409	58	WE HAVE EMERGENCY EXIT FACILLITY IN OUR SCHOOL BUT WE HAVE ONLY 3 FIRE EXTINGUISER MECHIN	9874582881	
	DUMDUM VIDYALAYA			28	YES	9432157628	
	TALATTAMA BALIKA VIDYALAYA			21	YES	983041387	
	DURGAPUR K.C HIGH		683	27	YES	9836608325	
	SHIKHARBALI HIGH		125	4	YES	9874528227/9477462290	
	NETAJI NAGAR NIVEDITA HIGH		280	11	YES	9830344948	
	JAYATALA HIGH		1800	23	YES	9331993570/9831005352	
	SITAKUNDU VIDYAYATAN		1934	44	YES	9733969501	
	ATGHARA K K VIDYAPITH UP		535	12	NO	9831409296	
	BAJE MAKHAL TALA JR HIGH SCHOOL		81	3	FIRE EXTINGUISER IN THE KIITCHEN	9432863132	
	BARUIPUR GIRLS HIGH SCHOOL		1260	30	1 FIRE EXTINGUISHER	8697816696	
	BARUIPUR JNANADA VIDYAPITH		156	12	CCTV CAMERA	9830759683	
	BEGAMPUR JP INSTITUTION		1111	21	3 FIRE EXTINGUIS	9433171222	

UP				HER		
BELEGACHI 3RD		165	3	FIRE EXTINGUIS ER		
CHAMPAHATI GIRLS HIGH SCHOOL		1724	34	29 FIRE EXTINGUIS ER	9830074224	
CHAMPAHATI NILMONI KAR VIDYALAYA		1501	3+29	NO	9836465584	
DHOPAGACHI JR HIGH SCHOOL		13	3	FIRE EXTINGUIS ER	9477456032	
GHOLA UCHCHA VIDYALAYA		1968	22	2 FIRE EXTINGUIS HER	9732549099/916 3736157	
GOBINDAPUR GYANADA DEBI GIRLS HIGH SCHOOL HS		1300	27	NO	9883092511	
GOBINDAPUR RATNESWAR HIGH SCHOOL		1043	28	FIRE EXTINGUIS ER FOR MDM	9038906667	
JAYKRISHNAN AGAR JR HIGH SCHOOL		29	0	NO	9836599637	
KANTAPUKUR JR HIGH SCHOOL		26	2	1 FIRE EXTINGUIS HER	8583988580	
KHOLAPOTA JR HIGH SCHOOL		83	3	NO	89020369644	
KULARI CHAYANI JANAPRIYA VIDYAMANDIR		1881	31	NO	9051809683	
MADARAT POPULAR ACADEMY		2153	45	FIRE EXTINGUIS ER	9836956848	
MALLICKPUR GIRLS HIGH SCHOOL		2104	42	FIRE EXTINGUIS ER	9433006942	
MALLIKPUR ABDUS SHOKUR HIGH SCHOOL		1393	38	FIRE EXTINGUIS ER & EMERGEN CT EXIT	9432597780	
PADMAPUKUR MADHYA VIDYALAYA				NO	9830161720	

	PURBA MALICKPUR JR.HIGH SCHOOL		74	2	YES	973540226	
	TONGTALA JR HIGH SCHOOL		34	1	FIRE EXTINGUIS ER	9433034076	
	UTTARBHAG COLONY JR HIGH SCHOOL		171	1	NO	9433948452	
THAKURP UKUR MAHESHT ALA	AKRA KRISHNANAGA R BALIKA VIDYALAYA		1260	27	NIL	8981365395	
	RASPUNJA P K HIGH SCHOOL		1142	25	YES	9609352949	
	BRATACHARI VIDYASRAM		1275	42	YES	8617266433	
	ASHUTI NETAJI HIGH SCHOOL HS		846	23	FIRE EXTINGUIS ER	9903123899	
	CHACK CHATTA S B HIGH SCHOOL		556	20	FIRE EXTINGUIS ER	8961728475	
	CHATTA KALIKAPUR SUBID ALI GIRLS HIGH SCHOOL		1750	24	YES	8334855779	
	CHATTA SUBID ALI INSTITUTE		1278	30	NO	9433923658	
	JOTE SHIBRAMPUR SHIKSHA NIKETAN		713	20	FIRE EXTINGUIS ER	9830344383	
	KALAGACHIA KAILASH KAMINI HIGH SCHOOL		440	13	3 FIRE EXTINGUIS HER	9007061204	
	SIKSHA BHARATI HIGH SCHOOL		44	4	3 FIRE EXTINGUIS HER	9433013786	
	SONAMUKHI VIVEKANANDA HIGH SCHOOL		110	9	FIRE EXTINGUIS ER	9831641726	
	CARMEL HIGH SCHOOL FOR GIRLS		468	17	FIRE 03 EXTINGUIS HER INSTALLE D AT OWN COST OF	7003260673/833 4025162	

					THE SCHOOL. BUT NOW INACTIVE		
JOYNAGAR - 1	BANTRA MILAN JUNIOR HIGH SCHOOL		243	2	YES	8013778284	
	CHAK PANCHGHORA SITANATH HIGH SCHOOL		1451	26	YES	9733835411	
	DEYANGANJ AK HIGH SCHOOL HS		1482	29	YES	9830474358	
	DHOSA CHANDANESWAR NC HIGH SCHOOL HS		3021	37	YES	9007477158	
	GOCHARAN GIRLS HIGH SCHOOL		489	11	YES	9836182588	
	KARABEG CHARAGHATA SMS HIGH SCHOOL						
	MUKTAKESHI GOURMOHAN DAS HIGH SCHOOL		1150	27	YES	9903621092	
	PAKHIRALA JR HIGH SCHOOL					9641126441	
	SANTIPUR HIGH SCHOOL		672		YES	8335019322	
	SARBERIA SATADAL BALIKA VIDYALAYA HS		1213	23	YES	8768112863	
	SG MC BIDYA NIKETAN J HS UP		856	9	YES	9836966084	
	SINHER DANRI KEDARNATH HIGH SCHOOL		700	19	YES	9836745206	
	SREEKRISHNA NAGAR HIGH SCHOOL HS		2100	28	YES	9593265901	
	TASARALA SARBERIA SANATAN HIGH SCHOOL HS		1400	30	YES	9432466958/9836075100	

	TILPI KH MADRASHA UP		1897	15	YES	8648820835	
KULPI	ASWATHATAL A J S S HIGH SCHOOL		128	9	FIRE EXTINGUIS ER	9474026102	
	GAZIR MAHAL G C HIGH SCHOOL		594	17	FIRE EXTINGUIS ER	9836230859	
	HARINKHOLA D A HIGH SCHOOL		327	26	FIRE EXTINGUIS ER	8436064083	
	JAMTALA HIGH SCHOOL		697	14	FIRE EXTINGUIS ER	9732521827	
	KARANJALI B K INSTITUTION		1519	35	FIRE EXTINGUIS ER	9474128604	
	KARANJALI BALIKA VIDYALAYA		1048	12	FIRE EXTINGUIS ER	9474155851	
	KEORATALA SCM HIGH SCHOOL		1228	14	FIRE EXTINGUIS ER	9733554657	
	MADAN MOHANPUR R C S V HIGH SCHOOL HS		517	11	FIRE EXTINGUIS ER	9732546128	
	NISCHINTAPUR RD HIGH SCHOOL		1884	8	FIRE EXTINGUIS ER	8926731118	
	RAMKRISHANA PUR HIGH SCHOOL		1007	5	FIRE EXTINGUIS ER	9563837715	
	TENTULTALA S G VIDYABITHI H SCHOOL		499	7	FIRE EXTINGUIS ER	9734679616	
	MEYANAPUR MEHERABIA HIGH MADRASAH		344	10	FIRE EXTINGUIS ER	9732439518	
	NEW INTIGRATED GOVT SCHOOL		113	14	FIRE EXTINGUIS ER	9903008737	
	JHAWKHALIHA T HIGH SCHOOL		1193	20	YES	8145012131	
	KACHUBERIA HIGH SCHOOL		2244	43	YES	9732692271	
	KULPI KALIKA VIDYAPITH		659	3	YES	9474661065	

	JAMBERIA JR HIGH SCHOOL		21	3	YES	9800575931	
	BAGARIA KALIKA ADARSHA VIDYAMANDIR		1105	20	YES	9733703118	
	BARBERIA HIGH SCHOOL		488	14	YES	9434977376	
	DARIA HIGH SCHOOL		705	16	YES	9474005537	
	RAMKISHOREP UR RADHANAGAR H S		1032	25	YES	9732911396	
	RAMESWARPU R BK HIGH SCHOOL		309	10	YES	9475755869	
	RAMANANDAP UR PANCHANAN JR HIGH SCHOOL		6	1	YES	9932248191	
	KALARCHAK HIGH SCHOOL		964	18	YES	9733652901	
	GUMUK BERIA BROJO MOHAN HIGH SCHOOL		287	9	YES	9153100892	
	UDAYRAMPUR JANAKALYAN VIDYANIKETAN		652	13	YES	9734015377	
	UTTARGAZIPUR JUNIOR HIGH SCHOOL		29	2	YES	9734363763	
kultali	Jamtala Bhagaban Chandra High School.		3361	40	Water source for fire fighting	9831740553	
	Kachiamara Hemchandra High School		2020	25	No	9732768229	
	Panchuakhali High School		2086	19	YES	9732963157	
	Kaikhali Gopalganj BKRM Institution.		2260	21	3 No of Fire Extinguisher	9903003353	
	Purba Shyamnagar Vidyasagar High School		693	15	No	7797430794	
	Keorakhali Nakul Sahadeb High School.		1124	14	No	9732672215	

	Dongajora Ramanath High School.		1225	13	Nil	9933499760	
	Shankijahan High School.		588	4	No	9681143039	
	Balaharania Jr High School.		126	3	No	8017126728	
	Jalaberia Hemanta Kumar Jr High School		299	4	Yes	9734783866	
	Godabar Jr High School.		178	5	3 Extingusher Only	9831609631	
	Pichhakali Jr High School.		203	4	No	9735558830	
	Mondalerlat Bazar Jr High School.		322	1 Para	No	7872273785	
	Dighipar gazirchak jr High School		98	1 Guest Teacher	No	9933969810	
	Guffaria Jr High School		97	1 Guest Teacher	No	9775221797	
	Gopalgunj Girls Jr High School		30	1 Guest Teacher	No	7679202156	
	Jalaberia Girls Jr High School		30	1 Para Teacher	No	8906611689	
	Merigunj High Madrasah		1214	12	Fighting	9732870061	
MANDIRB AZAR	SUTABECHA KHAGENDRA NATH HIGH SCHOOL		100	5	YES	9434564289	
	MANDABTALA RAMNATHPUR JR H SCHOOL		0	3	YES	9734641622	
	NILAMBARPUR JD VIDYAMANDIR H SCHOOL		875	11	YES	9734524379	
	TENTIBERIA JR HIGH SCHOOL		64	3	YES	9674464716	
	ANCHNA BALIKA VIDYALAYA		507	10	YES	9800532709	
	ANCHNA HIGH SCHOOL HS		848	21	YES	9432128786	
	BIDYADHARPU R NABAKUMAR		785	20	YES	9733094173	

	VIDYAMANDIR						
	BAZARBERIA R K SIKSHA SADAN H SCHOOL		712	15	YES	9830591694	
	BAZARBERIAH AT JR HIGH SCHOOL		76	3	YES	9002228504	
	MULDIA C D BIDYAMANDIR HS		1400	19	YES	9609333295	
	KADIPUKUR NASKAR HIGH SCHOOL		418	9	YES	8900087525	
	PANCHNAN HIGH SCHOOL		648	10	YES	9735366717	
	MANDIRBAZAR S BALIKA VIDYAMANDIR		878	16	YES	9647346029	
	BAJE SUKDEBPUR HIGH SCHOOL		250	3	YES	9874344933	
	SIDDHESWARP UR C G BALIKA VIDYAPITH		53	12	YES	9647346029	
	SARIFNAGAR JUNIOR HIGH SCHOOL		88	2	YES	9830784540	
	DHANYAGHAT A HIGH SCHOOL		220	4	YES	8910990830	
	DHANYAGHAT A ADARSHA SIKSHA NIKETAN		312	9	YES	8967770290	
	TEKPANJA HIGH SCHOOL		612	4	YES	9433511440	
	JHAPBERIA HIGH SCHOOL HS		2020	18	YES	9732706252	
MAHESHT ALA MUNICIPALITY	BANGLA JATIYA SHIKSHA MANDIR HS		348	25	NO	9831844115	
	BATANAGAR HIGH SCHOOL		700	12	FIRE EXTINGUIS ER	9733285660	
	BATANAGAR SRI RAMKRISHNA		846	22	FIRE EXTINGUIS ER	9083487521/943 4452624	

	ASHRAM VIVEKANANDA VIDYAMANDIR HS						
	JAGTALA SURJYA KUMAR BALIKA VIDYALAYA		339	12	1 FIRE EXTINGUIS ER	9433801050/903 8823960	
	MAHADEVNAG AR HIGH SCHOOL		286	10	1 FIRE EXTINGUIS ER	9239496812	
	MAHESHTALA GIRLS HIGH SCHOOL HS		2205	41	FIRE EXTINGUIS ER	9239016347	
	MAHESHTALA HIGH SCHOOL HS		1883	35	NIL	9748324549	
	SARENGABAD A R B NIKETAN UP		68	14	FIRE EXTINGUIS ER	9475275221	

Note: First-aid already arranged each school under South 24 Pargans

Action Plan of P.H.E. Dept., South 24 PGS - 2018

PREFACE

Natural unforeseen calamities, i.e. disaster like drought, nor'wester, cyclonic storm, flood are the common occurrences in the State of West Bengal every year. These kinds of disaster have always wider impact on human life, livestock, property and assets created by individual and state. Aftermath the disaster among the basic needs for survival, safe drinking water and emergency sanitation always figures on top of the priority list along with food and shelter. As Public Health Engineering Department/Directorate is mandated for supply of safe drinking water to the people of the State, during disaster it requires delivery of services on safe drinking water supply on war footing basis. Emergency sanitation is usually a common task and also delivered by PHE Dte aftermath the disaster. Every year PHED/Directorate keep prepared its Divisions, Sub-Divisions and Blocks level Offices/Officers and staffs for management and combating impacts of disaster. Public Health Engineering Department/Directorate every year prepares an action plan for management and combating of impacts of disaster and delivers required services effectively and smoothly to manage and mitigate the situation. The Action Plan outlines the objectives, institutional mechanism at State and District level, preparedness, linked organisations, IEC & HRD activities, water quality monitoring etc.

A tentative estimate based on experiences of last few years is also prepared and produced in the action plan. The estimate encompasses all possible services usually delivered by PHE Dte, including mobilization of Mobile Treatment Units (MTUs) and supply of package water from its own unit; on such occurrences.

1.0 Introduction :

The term “disaster” implies a natural unforeseen calamity which would have a wider impact on human life, livestock, property and assets created by individuals, organizations or state. “Safe drinking water” is one of the basic needs and without its availability in adequate quantity and safe quality, there could be serious impacts on human health and even on livestock and animals. Drought could lead to scarcity of water due to depletion of ground water table and / or drying up of surface water sources. It could also lead to failure / damage of pumps due to increased suction head. Disaster like flood, cyclonic storm, tsunami, earth quake, landslide etc could result in wash-off / damage of water supply assets created, thus resulting in disruption of supply of safe drinking water. Therefore in any type of disaster, proper management of drinking water supply to the affected people on an “immediate basis” is an essential requirement. Maintaining environmental sanitation and individual hygiene are also equally important to reduce / eliminate chances of disease prevalence and outbreak of epidemics.

The present plan is to address disaster caused by natural calamities.

2.0 Objectives :

The main objective of Disaster Management Plan is to minimize loss of human lives, livestock, social and community assets etc due to natural disaster. The objectives may precisely be articulated as;

- i) To provide an efficient system for cooperation and collaboration with other Departments, Local Authorities, Agencies, NGOs and other organisations at State, District, Block Level.
- ii) Ensure preparedness, response and relief at all levels.

iii) To ensure prompt and effective response to deliver the services during disasters, thereby to minimise casualties and enable quick recovery, restoration and rehabilitation of water supply.

3.0 Institutional mechanism of PHED :

PHED is the nodal Department at State level for safe and quality drinking water supply service to the communities. The Department is responsible for providing management and technical services while responding to natural calamities for restoration of damaged water supply infrastructure and sanitation requirements, including meeting up emergency drinking water needs to the affected people caused by natural disaster.

To respond any disaster Institutional mechanism of PHE Dept. / Directorate are as below;

3.1 State level :

Principal Secretary, in-charge of the Department supported by Engineer- in-Chief and Chief Engineers of PHE Directorate.

3.1.1 Control Room operating at Head Quarter Level : Control Room headed by OSD (Superintending Engineer), Monitoring Cell and functions round the clock during the declared period of emergency.

3.2 I.E.C. Activities :

Planned, coordinated and implemented by WSSO of PHE Department during and after emergency period including regular post disaster awareness.

3.3 Linkage to other organization :

PHE Department / Directorate maintain active linkages with State UNICEF Office, WHO and other relevant organizations who extend all supports and management services available to them during and after the disaster.

3.4 Preparedness:

As PHE Dept./ Directorate is the nodal Department/Directorate responsible for water supply to the community, the Department/Directorate keeps itself prepared to implement emergency support function relating to drinking water and to some extent on emergency sanitation requirements. The Department/Directorate keeps constant touch with Disaster Management Department and Chief Minister's designated disaster management group including detail reporting on services and supports extended, requirement of support and services from other Departments and linkage organizations.

Preparedness activity ensures following;

- a) Linkage with WSSO for framing technical guidelines and IEC & HRD planning for managing and combating disaster.
- b) In case of drought or like situation ground water table monitoring and necessary steps for crisis management.
- c) Ensure that minimum inventory of water supply and emergency sanitation materials and spare parts as may be required by Executive Engineers in an event of disaster and have a roster of RWS Staff to be deployed during the disaster.

- d) Ensure issue of alert notices to District and Block level Officers.
- e) Ensure specific attention to water users group.

4.0 Standard Operating Procedures (SOP) :

PHE Department / Directorate follows Standard Operating Procedures (SOP) of MDWS of GoI in terms of preparedness, preparation of Action Plan, management, coordination, implementation and monitoring of disaster mitigation activities for water supply and emergency sanitation.

5.0 District Level Institutional Mechanism :

Usually, Executive Engineer of normal PHE Division of the District attends and reports District Disaster Management Authority (DDMA) preparedness meetings and post disaster meetings, as frequently as may be necessary. Executive Engineers also send daily reports to District Disaster Control Rooms and implement and monitor functions entrusted by DDMA, regularly reviews status of essential water supply and emergency sanitation services and procurement of essential supplies etc. Under the guidance of DDMA, Executive Engineer also monitors emergency response at the Block and Panchayet levels and impact thereon.

5.1 Preparedness :

As Executive Engineer of PHE Dte is the District level Nodal Officer for coordinating emergency operation with respect to deliver of safe water supply and emergency sanitation services, he has to ensure that all Rural Water Supply System in the District works properly and in the event of disaster by carrying out timely repairs where necessary. For doing this Executive Engineer use to maintain proper inventory in terms of materials, spare parts and skilled human resources and those are as follows:

- 5.1.1** Proper inventory of materials, spare parts, bleaching powder etc both for PWSS and Spot sources.
- 5.1.2** Trained and skilled team for repairing and disinfection of PWSS and spot tube wells.
- 5.1.3** Proper action plan for repairing and re-sinking of tube wells, lowering of deep well pumps in drought, rising of platform in flood etc.
- 5.1.4** Action plan for new sinking of spot tube wells if and where necessary.
- 5.1.5** Maintain proper inventory of Mobile Water Treatment Units (MTUS) and Water Bottling Plants, including timely overhauling of the Units for keeping them in proper running condition.
- 5.1.6** Executive Engineers produce daily report on implementation of activities, assessment of impact etc and submits the same to State Level Control Room during disaster.

6.0 Block Level Institutional Mechanism:

Sub-Assistant Engineer - RWS, Mechanic and Helper posted at Block level function under the control of Executive Officer of Panchayet Samity. Team engaged for disinfection works, repairing, re-sinking, new sinking, lowering of a deep well pumps, raising of platform etc for spot sources work under the guidance of Block Level SAE of PHE Dte with physical assistance by Mechanic and Helper. Block Level S.A.E. will

also produce and submit daily performance report of service to Control Room operated by Executive Engineer of PHE Dte at District level.

7.0 IEC & HRD activity on safe water and sanitation :

WSSO is a dedicated unit under PHE Department which plans, organizes and implements IEC & HRD activities on safe water supply and sanitation including awareness generation among the communities. IEC & HRD is a routine activity of WSSO and carries out the same throughout the year at State, District and Block levels. In any natural disaster WSSO used to carry out IEC activity and awareness generation on safe water supply and sanitation. The programme usually implemented through distribution of leaflet, direct interaction with beneficiary groups/affected people, VDO and Poster shows, miking, publicity through electronic media, radio and printing media etc. WSSO always remain alert to generate awareness due to natural disaster whenever it occurs.

WSSO also engages NGOs and CBOs to deliver support services to PHE activities to the affected people.

8.0 Water Quality Monitoring:

In any natural disaster safe drinking water supply and emergency sanitation are most important activities for combating the impacts. Spread of communicable diseases are common at post disaster period and water quality monitoring and sanitation plays most crucial role for the prevention of spread of communicable diseases and to avoid occurrence of epidemic. As such PHE Department use to carry out comprehensive water quality monitoring through its 120 nos. laboratory network (18 nos. in South 24 Parganas District) and take appropriate measures where necessary for ensuring safe water supply to the affected people. Field Testing Kits (FTKs) will also be used for prompt water quality monitoring and in remote areas.

Water quality monitoring reports will be generated daily basis and placed to Block, District and State level Disaster Management Committees.

9.0 Daily Reporting :

In every disaster management daily reports are produced by PHE Divisions and reported to the District Level & State Level Committees and Disaster Management Department. Daily reports usually covers activities performed by concerned divisions including supply of water pouches, disinfection, repairing, re-sinking and new sinking of spot Tube Wells, construction of latrines, awareness campaign etc. The same modalities will be followed in future occurrence of disaster, if any.

In nutshell PHE Department / Directorate coordinate and monitor pre, during and post disaster affairs every year.

10.0 Conclusion:

PHE Department/Directorate looks after essential and emergency utility services like water supply to the community and all infrastructure including human resources are groomed to attend any sorts of emergency services in the field of water supply and emergency sanitation. Previous experience of PHED/Directorate to manage and combat any natural disaster proved highly efficient and effective and based on such strong foothold it could be assured that PHED/Directorate would deliver ameliorative service in any kind of disaster if occurs , though the same is unwanted.

A SCHEME FOR LEGAL SERVICES TO DISASTER VICTIMS THROUGH LEGAL SERVICES AUTHORITIES (NALSA & SALSA)

1. Background

Sub clause (e) of Section 12 Legal Services Authorities Act, 1987 makes the victims of disasters who are under circumstances of undeserved want as a result of such disaster eligible for free legal services to file or defend a case. But in a disaster of catastrophic nature whether it is natural or manmade, the victims are often taken unawares and are subjected to face the grim situation of loss of life, becoming homeless, destruction of property or damage to or degradation of environment and subject to human sufferings and damage beyond the coping capacity of the community of the affected area. Even though it is the duty of the Government and the Administration of the locality to come to the help of the victims of disasters, Legal Services Authorities by virtue of sub-clause (e) of Section 12 can play an effective role by coordinating the activities of the State Administration in the disaster management by way of strategic interventions in an integrated and sustainable manner, reducing the gravity of the crisis and to build a platform for early recovery and development. The Legal Services Authorities shall endeavour to help the victims and the administration for reducing risk and assisting them to adopt disaster mitigation policies and strategies, reducing the vulnerabilities of the geographical and social situation and strengthening their capacities for managing human made and natural disasters at all levels.

2. Objective

The objective of the scheme is to provide legal services to the victims of disaster - both manmade and natural - who are under circumstances of undeserved want being victims of mass disaster, ethnic violence, caste atrocities, flood, drought, earth-quake or industrial disasters.

The intervention of Legal Services Authorities should be for coordinating the integrated, strategic and sustainable development measures taken by the Government and Disaster management Authorities for reducing the period of crises and for building a platform for early recovery and development. The thrust of the efforts for by the State Legal Services Authorities shall be for strengthening the capacity of the victims for managing the disaster at all levels and to coordinate with the Government departments and non-governmental organisations and also for providing legal aid to the victims.

3. Strategic Intervention by the District Legal Services Authorities.

The strategy for intervention by the Legal Services Authorities for helping the victims of disasters shall be on the following lines:

1. Ensuring immediate help by Governmental and Non-Governmental Agencies to the victims.
2. Coordinating the activities of different departments of the Government and the NGOs for bringing immediate relief.
3. Supervising the distribution of relief materials.
4. Supervising the construction of temporary shelter or transporting the victims to a safer place.
5. Supervising the reunion of families.
6. Supervising the health care and sanitation of the victims and preventing the spread of epidemics.
7. Supervising the needs of women and children.
8. Ensuring the availability of food, medicine and safe drinking water.
9. Supervising the reconstruction of damaged dwelling houses.
10. Supervising the restoration of cattle and chattel.
11. Legal Awareness Programmes in the relief camps on the legal rights of the victims.
12. Organising Legal Aid Clinics in the affected areas for assisting in reconstruction of valuable documents.

13. Assisting the victims to get the benefits of the promises and assurances announced by the Government and Ministers.
14. Assisting in the rehabilitation, care and future education of orphaned children.
15. Taking steps for appropriate debt relief measures for the victims.
16. Assisting in the rehabilitation of the old and disabled who lost their supporting families.
17. Assisting in the problems relating to Insurance Policies.
18. Arranging Bank Loans for restarting the lost business and avocations.
19. Arranging for phyciatrist's help / counselling to the victims who are subjected to physiological shock and depression on account of the disaster.

4. Machinery for Legal Services.

The State Legal Services Authorities shall establish a Core group in all districts under the control of the District Legal Services Authorities to spring into action in the event of a disaster, whether manmade or natural. The Core group shall consist of a senior judicial officer, young lawyers including lady lawyers selected in consultation with the local bar association, Medical Doctors nominated by the local branch of the Indian Medical Association and the NGOs by accredited by the State Legal Services Authority. The Secretary of the District Legal Services Authority shall maintain a Register containing the Telephone numbers and the cell numbers of the members of the Core group.

5. Ensuring immediate help by Governmental and Non-Governmental agencies to the victims.

The nodal agency for responding to a disaster shall be the State and District Disaster Management Authorities set up under the Disaster Management Act, 2006. The State Legal Services Authority should immediately alert the District Legal Services Authority concerned who in turn shall get in touch with the Disaster Management Authority of the State and District and gather the details of the steps taken by the latter.

(a) The Core group set up the District Legal Services Authority shall immediately proceed to the area where the disaster has occurred and get involved in the work of relief.

(b) The District Legal Services Authority and the Core team shall coordinate the activities of the relief operations by involving themselves and without causing any hindrance to the smooth flow of the relief operations.

6. Coordinating different departments of the government and the NGOs for brining immediate relief.

The State Legal Services Authority at the apex level shall get in touch with the State Disaster Management Authority / Department to ensure that all the departments of the State Government including health, finance, social welfare and police are involved in the relief operations. The State Legal Services Authorities shall coordinate the implementation of the Plan of Action, if any, prepared by the Disaster Management Authorities.

(a) The State and District Legal Services Authorities shall obtain a copy of the disaster management plan, if any, prepared by the State Disaster Management Authority / District Disaster Management Authority.

(b) The State Legal Services Authority / District Legal Services Authority shall as far as practicable follow the aforesaid plan and, if necessary, make suggestions to the state administration or Disaster Management Authorities for improving the quality of relief operations.

7. Supervising the distribution of relief materials.

In the event of a disaster, the first and foremost step to be taken is to ensure that the victims are provided with adequate support to tide over their undeserved wants. This includes provision of food, safe drinking

water and transferring the victims to safe shelters. The District Legal Services Authority in coordination with the Dist. Disaster Management Authority and line Departments, shall supervise effective and timely supply of relief materials to the victims of the disaster.

8. Supervising the construction of temporary shelters or transporting victims to safer place.

District Legal Services Authority and the Core team shall supervise construction of temporary shelters and transportation of victims to such shelters to other safer places. Any lapses can be reported to the government officer incharge to ensure that the lapses are remedied immediately.

9. Supervising the reunion of families.

A disaster may result in sudden disruption of the cohesive unit of families. Members of the family are likely to get separated on account of the disaster or by reason of the rescue operations or on account of medial emergencies. Separation can occur due to loss of life also. The Core team shall visualise such probable traumatic situations in the families affected by the disaster and shall take necessary steps for consoling the victims and shall take earnest search for the missing members of the families.

10. Supervising the health care of the victims and preventing the spread of epidemics.

The District Legal Services Authority shall take prompt steps for coordinating with the District Medical Officer for ensuring that the victims of the disaster are given proper medical care. The injured victims shall be given prompt treatment.

(a) When a large number of affected persons are congregated in relief camps, adequate sanitation has to be ensured. Steps shall be taken to ensure that the public health authorities are performing cleaning and sanitation of the camps on a regular basis.

(b) The District Legal Services Authority shall ensure that adequate preventive measures are taken by the health authorities against outbreak of contagious and infectious diseases and water-born diseases can occur in the relief camps.

(c) Right to health being a concomitant to the Right to Life guaranteed under Article 21 of the Constitution of India, the disaster victims are entitled to adequate health facilities and the Legal Services Authorities are dutybound to ensure the same through appropriate measures.

11. Supervising the needs of women and children.

Women and children are beneficiaries of free legal aid under Section 12 of Legal Services Authorities Act. They are the most vulnerable group amongst the victims of any disaster. Safety of women and children in the camps and their valuables like ornaments and personal belongings are to be protected. The District Legal Services Authority shall ensure that the Police takes necessary steps for preventing theft and anti-social activities. Legal Services Authorities shall coordinate with the Police Officers to ensure the safety of women and children.

12. Ensuring the availability of food, safe drinking-water and medicine.

The need for food, safe drinking water and medicine are basic human needs and hence are attributes of the Right to life under Article 21 of the Constitution of India. Dist. Legal Services Authorities can therefore rightfully intervene and coordinate with the State Government, District Administration and Health Authorities to ensure the availability of food, safe drinking-water and medicine to the victims living in the shelters.

13. Supervising the reconstruction of damaged dwelling houses.

Housing is one of the important problems faced by the victims of disasters. Partial or total damage may occur to houses in disasters like earthquake, flood and communal riots. Assurances given by the Ministers and Government officials ex-gratia payment and funds for reconstruction of damaged houses of the victims may go unfulfilled or forgotten due to passage of time. Efforts shall be taken by the Legal Services Authorities to ensure that such promises are fulfilled and the promised funds or other relief measures are disbursed to the victims without delay.

14. Supervising the restoration of cattles.

Loss of cattle, chattel and household articles are concomitant with all mass disasters. Thieves, looters and anti-socials have a field day during riots and ethnic violence and also during the havocs like flood, drought, pestilence and earth-quake. The District Legal Services Authority in coordination with the Police or Armed Forces shall ensure that the valuables belonging to the victims are not looted or stolen houses. Similarly, steps shall be taken to protect livestock and chattel also. The Legal Services Authorities shall coordinate with the animal-husbandry department of the government to save the livestock.

15. Legal Awareness Programmes in the relief camps on the legal rights of the victims.

Once the victims are relieved from the immediate shock and impact of the disaster, the Legal Services Authority may chose a convenient time and place near the relief camps for imparting legal awareness to the victims. Women lawyers may be entrusted with the job of conducting informal legal awareness programme, mainly related to the rights of the disasters victims to avail of the relief measures from the authorities. The legal remedies available and the mode in which the benefits of the offers and schemes announced by the government are to be availed of also may be included as topics. Legal Awareness Programmes shall not be conducted in a ceremonial manner. The ambience of disaster and the mood of grief stricken victims should be fully taken in to account by the resource persons and the steps for legal awareness shall be taken in such a manner as to go along with the measures for consolation and redressal of the grievances of the victims. Visits by women lawyers to the camps and homes of the victim will be desirable.

16. Organising Legal Aid Clinics in the affected areas for assisting in the reconstruction of valuable documents.

It is likely that the victims of disaster have lost their valuable documents like titled deeds, ration cards, identity cards, school and college certificates, certificate of date and birth, passport, driving licence etc. The District Legal Services Authority shall organise legal aid clinics in the affected areas and assist the victims to get duplicate certificate and documents by taking up the matter with the authorities' concerned. Arrangements for issuing Death Certificates of the deceased victims also shall be made.

17. Taking care of the rehabilitation and the future care and education of the orphaned children.

Orphaned children are the living monuments of disasters. Loss of childhood, paternal affection are likely to haunt them for the rest of their lives. At times, the orphaned children may get affected with psychiatric problems also. The Legal Services Authority shall seek the help of voluntary organisations large business houses and Corporates for the educational needs and accommodation of such children till they attain the age of maturity.

18. Taking steps for appropriate debt relief measures for the victims.

Rehabilitation of disaster victims will be a gigantic challenge for any administration. The adequate funds should be made available to the victims who lost everything in their life for rebuilding their avocation, buying agricultural implements and other implements required for their avocations in which they were

engaged prior to the disaster. Victims belonging to fisherman community may require huge amounts for buying nets, boats and outboard engines. Such measures of rehabilitation may require the assistance of government departments concerned. The State Legal Services Authority shall coordinate with Public Sector Banks, Social Welfare Department and other departments concerned for helping the victims to re-start their avocations. In appropriate cases, provisions in the laws relating to debt relief shall be invoked.

19. Rehabilitation of the old and disabled who lost their supporting families.

Persons with disabilities as defined in Clause (e) of Section 2 of Disabilities (Equal Opportunity) Protection of Rights and Full Participation Act, 1995 are entitled to free legal aid under Section 12 of the Legal Services Authorities Act. Senior citizens are entitled to certain benefits under the provisions of Maintenance and Welfare of Parents and Senior Citizen Act. The senior citizens and disabled persons who lost their support on account of disasters shall be identified and appropriate legal aid shall be given to them.

20. Problems relating to Insurance Policies.

The Legal Services Authorities shall take up the insurance claims of the disaster victims with the Insurance Companies for settlement of such claims. Negotiations may be undertaken with the Insurance Company officials for a settlement favourable to the victims. In appropriate cases the service of Insurance Ombudsman also may be availed of.

22. Arranging Bank Loans for restarting the lost business and avocations.

The victims who suffered substantial loss of their business and implements used in their avocations shall be helped by adopting proper restorative measures. For this purpose, efforts shall be made to make available financial assistance of nationalised banks and other public sector financial institutions. The Dist. Legal Services Authorities shall persuade the officials of such financial institutions to raise to the occasion for helping the victims.

23. Arranging for the services psychologists / psychiatrists help for counselling the victims suffering from psychological shock and depression on account of the disaster.

Mental shock and the related psychiatric manifestations are usually seen associated with the traumatic effects of disasters on the victims and their family members. Sudden loss of human life and the horrifying experiences of the trauma of the disasters can result in mental shock and psychiatric problems not only to the victims but also to their family members. The District Legal Services Authority shall in coordination with the District Medical Officer make necessary arrangements for the services of psychiatrists and psychologists. The District Authority shall ensure the presence of the members of the Core group at the relief camps everyday till the victims are rehabilitated.

24. District Legal Services Authority shall collect reports from the Core Group.

District Legal Services Authority shall collect daily reports from the Core group working at the location of the disaster. Copies of such reports shall be sent to the State Legal Services Authority. The State Legal Services Authority shall consolidate the reports and send a comprehensive report to the National Legal Services Authority and copies thereof shall also be sent to the District Management Authorities of the State and District. Copies of the report shall be placed before the Patron-in-Chief of the State Authorities and also in the meeting of the State Authority. If any difficulty arises in giving effect to this Scheme, the State Legal Services Authority and District Legal Services Authority or the Core group may seek guidance from the Executive Chairman of the State Authority.

Block wise Disaster Management Volunteers South 24 Parganas

NAME OF THE BLOCK	SL. No.	NAME OF DRMP VOLUNTEER	ADDRESS	CONTACT NO.
Budge Budge - I	1	Sukhen Adak	Nayachak, Chingripota	8017509355
Budge Budge - I	2	Supriya Das	Durgapur, Rajibpur	9143419517
Budge Budge - I	3	Sk. Oidul	Jaggatballabhpur, Rajibpur	9331899713
Budge Budge - I	4	Ajay Das	Jaggatballabhpur, Rajibpur	9231510418
Sagar	5	Dulal Das	Kirtankhali	9593017840
Sagar	6	Brajogopal Sahoo	Bamankhali	9564710840
Sagar	7	Dinesh Bhunia	Krishnanagar	8016367284
Sagar	8	Chandan Pradhan	Khasramkar	9932229238
Joynagar-I	9	Kamal Roy	Arunnagar	9732879858
Joynagar-I	10	Enamul Haque Laskar	Uttarpara	9332534686
Joynagar-I	11	Rafik Ali Gazi	Hasimpur	9932944761
Joynagar-I	12	Nur Alam Seikh	Dighirpar	9733666513
Kultali	13	Kanai Chandra Halder	Village+ P.O.- Jamtala	9883402658
Kultali	14	Timir Baran Mondal	Village- Bamunerchak , P.O.- 4 No Naskar Para	9647107462
Kultali	15	Balaram Halder	Village- Chandpur, P.O- Jalaberia	9001805799
Kultali	16	Ananta Naskar	Village- 11 No Jalaberia, P.O. Jamtalihat	9647381975
T/Mahestala	17	Kumarjit Mondal	Chakchatta Matri Sevak Samity	8017027602
T/Mahestala	18	Bimol Mali	Ganney Gangadharpur Subhash Sangha	9051133694
T/Mahestala	19	Ramdulal Naskar	Ganney Gangadharpur Surya Sangha	9874558834
T/Mahestala	20	Ramesh Naskar	Ganney Gangadharpur Mitravee Sangha Club	9804112425
Bhangore-Ii	21	Prodip Kr. Mukherjee		9733931222
Bhangore-Ii	22	Surajit Pal		8609746062
Bhangore-Ii	23	Sk Abdul Alim		9153115905
Bhangore-Ii	24	Sameresh Mandal		9749095859
D'harbour-I	25	Pratap Bhandari	Dakshin Parulia	9733927370
D'harbour-I	26	Tarun Kr. Jana	Netra	9232716427
D'harbour-I	27	Dipankar Sinha	Bhogpunja	9674133189
D'harbour-I	28	Buddhadeb Halder	Kamarpole	8927359210
Baruipur	29	Soumitra Mondal S/O, Sudhir (Trained)	Begampur	9681970376
Baruipur	30	Sudarshan Naskar, S/O, Nilratan (Trained)	Champahati	9143653114
Baruipur	31	Moumita Ghosh, D/O, Mangalmou (Trained)	Atghara	9051077392

Baruipur	32	Koushik Chanda .S/O, Saktipada (Fresh Untrained)	South Garia	9831973649
D'harbour-Ii	33	Biplab Mondal	Vill- Bagda, P.O. Chandnagar, P.S.- Diamond Harbour, Dist.- South 24 Parganas, Pin- 743368.	9732521952
D'harbour-Ii	34	Chinmoy Mondal	-Do-	9681149380
D'harbour-Ii	35	Santu Ray	-Do-	9002560421
D'harbour-Ii	36	Rakesh Baidya	-Do-	8345835831
Mathurapur-Ii	37	Prasanta Bhuinya	Gillarchhat	9733864105
Mathurapur-Ii	38	Bikash Sardar	Khari	9093099373
Mathurapur-Ii	39	Sajadat Purkait	Radhakantapur	9749832294
Mathurapur-Ii	40	Sanat Purkait	Baradanagar	8016606774
Namkhana	41	Sk. Khosnobi	Budhakhali	8145535360
Namkhana	42	Salim Uddin Gayen	Budhakhali	8101120545
Namkhana	43	Anukul Tunga	Budhakhali	9647132777
Namkhana	44	Mohan Maiti	Budhakhali	9647125871
Patharpratima	45	Lakshman Sarkar	Dakshin Gangadharpur	9593548798
Patharpratima	46	Kaushik Sarkar	Dakshin Gangadharpur	9647371290
Patharpratima	47	Santanu Pradhan	Dakshin Gangadharpur	8967402043
Patharpratima	48	Miss Debrani Halder	Dakshin Roypur	8116183185
Kakdwip	49	Sk Abdus Samad	Madhusudanpur 64 Bari	9749029121
Kakdwip	50	Sasanka Baisya	Madhusudanpur	9734895036
Kakdwip	51	Dibakar Paik	Shibkalinagar	9733641430
Kakdwip	52	Sudhansu Kumar Parua	Shibkalinagar	7872024578
Falta	53	Sri Swarup Mallick	Shyamsundarpur	9831510105
Falta	54	Sri Sanjib Mallick	Shyamsundarpur	9732661417
Magrahat-I	55	Goutam Chakraborty	Balarampur	9903551389
Magrahat-I	56	Bhaskar Kayal	Balarampur	9836797967 9735888097
Magrahat-I	57	Pranab Saha	Bahirpuya	9231576815
Magrahat-I	58	Dibakar Halder	Chak Raypur	8017949206
Magrahat - Ii	59	Abul Basar Sk.	Magrahat West	9564022653
Magrahat - Ii	60	Sanjay Sardar	Magrahat West	8116343111
Magrahat - Ii	61	Faruk Ahmed	Magrahat West	9474466742
Magrahat - Ii	62	Monjuwara Khatun	Magrahat West	9932379072
Bishnupur-I	63	Ismail Sk	Balakhali	9674266479
Bishnupur-I	64	Amitava Naskar	Julpia	9903921220
Bishnupur-I	65	Tarak Karmakar	Julpia	9143669112
Bishnupur-I	66	Hirulal Bairagi	Pirkhali	9830913153
Canning-I	67	Jahanara Khan		9679046095
Canning-I	68	Sanjay Sardar		9733674273
Canning-I	69	Pritam Pramanik		9647309084
Canning-I	70	Goutam Sardar		9609350602
Canning-Ii	71	Giyasuddin Piyada		8629915075
Canning-Ii	72	Edris Ali Molla		8926511109
Canning-Ii	73	Jahangir Laskar		8981643416
Canning-Ii	74	Abdul Halim Molla		9733800203

Canning-Ii	75	Sabir Hossain Molla		9153861097
Canning-Ii	76	Ranjit Bairagi Munda		9153335990
Canning-Ii	77	Giasuddin Molla		8641050534
Canning-Ii	78	Abdur Raham Sardar		9734676663
Canning-Ii	79	Harun Al Rasid Dhali		8372872232
Canning-Ii	80	Jasimuddin Shaikh		9775519151
Canning-Ii	81	Mosabbar Gazi		7797375120
Basanti	82	Nawser Molla		9733569140
Basanti	83	Md. Hayder Ali Molla		9732773006
Basanti	84	Rabiul Haque Sardar		9093236807
Basanti	85	Debasis Purkait		9732738995
Gosaba	86	Utpal Mondal		9735558430
Gosaba	87	Surajit Kumar Pal		9093733764
Gosaba	88	Pulak Debnath		9733909756
Gosaba	89	Priyabrata Nath		9732459343

Seasonality 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					Yes	Yes	Yes						Yes	Yes		
Flood									Yes	Yes	Yes		Yes	Yes	Yes	
Drought						Yes										
Earthquake	Yes		Yes	Yes	Yes		Yes	Yes	Yes		Yes	Yes	Yes		Yes	Yes
Sunstroke																
Fire	Yes		Yes	Yes	Yes		Yes	Yes	Yes		Yes	Yes	Yes		Yes	Yes
Chemical Accidents	Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes	
Boat capsized	Yes								Yes				Yes			
Epidemic																
Accident	Yes				Yes				Yes				Yes			
Lightening									Yes		Yes					

H: Human, C: Crop, A: Animals, I: Infrastructure

Emergency Contingency Plan: South 24 Parganas District:

Emergency Contingency Plan									
Sl. No.	Name of the Block	No. of population as per 2001 Census	Present Population (Col. 3+ 20%)	Amount of food Materials (in KG) per Day					
				Chida (@ 200 gms./Head)	Gur (@ 50 gms./Head)	Rice (@ 250 gms./Head)	Dal (@ 25 gms./Head)	Salt (10 gms./Head)	K.Oil (50ml/head)
1	Thakurpukur Mahestala	136903	32856	65.712Q	16.428Q	82.14	8.214	3.28	16.428
2	Budge - Budge - I	99945	23986	47.972 Q	11.993Q	59.96	5.99	2.34	11.993
3	Budge - Budge - II	173446	41627	83.254Q	20.8135Q	104.06	10.406	4.16	20.813
4	Bishnupur-I	206370	49528	99.056Q	24.764Q	123.82	12.38	4.95	24.764
5	Bishnupur-II	190636	45752	91.504Q	22.876Q	114.38	11.43	4.57	22.876
6	Baruipur	351439	147604	295.208Q	73.802Q	369.01	36.9	14.76	73.802
7	Sonarpur	167408	50225	100.45Q	25.1125Q	125.56	12.55	5.02	25.112
8	Joynagar -I	219090	78872	157.744Q	39.436Q	197.18	19.718	7.88	39.436
9	Joynagar -II	209145	75292	150.584Q	37.646Q	188.23	18.82	7.52	37.646
10	Bhangore - I	204380	73576	147.152Q	36.788Q	183.94	18.39	7.35	36.788
11	Bhangore - II	207580	74728	149.456Q	38.364Q	186.820	18.682	7.73	37.364
12	Kultali	187989	146630	293.260Q	73.315Q	366.57	36.657	14.663	73.315
13	Gosaba	222822	167386	534.772Q	133.693Q	668.465	66.846	26.73	133.693
14	Basanti	278592	234310	668.62Q	167.155Q	835.77	83.577	33.43	167.155
15	Canning - I	244627	190808	381.616Q	95.404Q	477.02	47.702	19.080	95.404
16	Canning - II	195967	152858	305.716Q	76.429Q	382.14	38.214	15.28	76.429
17	Kakdwip	239326	187191	574.382Q	143.595Q	717.97	71.797	28.719	143.595
18	Namkhana	160627	132752	385.504Q	96.37600Q	481.82	48.182	19.27	96.376
19	Sagar	185644	162772	445.544Q	111.386Q	556.93	55.693	22.27	111.386
20	Patharpratima	288394	246072	692.144Q	173.036Q	865.18	86.518	34.667	173.036
21	Diamond Harbour - I	133366	800195	160.039Q	40.007Q	200.07	20.00	8.02	40.007
22	Diamond Harbour - II	165233	99139	198.27Q	99.135Q	495.6	49.56	19.8	99.135
23	Mathurapur - I	164650	118548	237.096Q	118.54Q	592.7	59.27	23.7	118.54
24	Mathurapur - II	198281	142762	285.52Q	142.76Q	713.8	71.38	28.55	142.76
25	Magrahat - I	228335	150701	301.40Q	150.70Q	753.5	75.35	30.14	150.70
26	Magrahat - II	262092	172980	345.96Q	172.98Q	864.9	86.49	34.59	172.98
27	Mandir Bazar	183131	130866	241.73Q	120.865Q	604.3	60.43	24.17	120.865
28	Kulpi	242752	233041	466.082Q	233.04Q	1165.0	116.50	46.6	233.04
29	Falta	221695	159620	319.240Q	159.62Q	798.2	79.82	31.92	159.62

Risk Assessment

Type of Hazards	Time of Occurrence	Potential Impact	Degree of Vulnerability
1. Cyclone	April, May, Oct., Nov	1. Damage of houses (Fully / Partly)	1. Gosaba (Severe)
		2. Washing out of embankments.	2. Basanti (do)
		3. Damage of Seasonal Crops .	3. Kakdwip (do)
		4. Uprooting of big trees.	4. Namkhana (do)
		5. Impact on livelihood	5. Sagar (do)
		6. Causes death or injury to human	6. Patharpratima (do)
			7. Kultali (do)
			8. Kulpi (do)
			9. Jaynagar-II (Moderate)
			10. Canning –I (do)
			11. Mathurapur-II (do)
			12. Budge-Budge-I (Mild)
			13. Diamand Harbour-I (do)
			14. Diamand Harbour-II (do)
2. Flood	Sept, Oct.	1. Damages houses (Fully / Partly)	1. Gosaba (Severe)
		2. Washing out embankments.	2. Basanti (do)
		3. Damage of Seasonal crops (Specially Aman Paddy)	3. Kakdwip (do)
		4. Spread out of epidemic	4. Namkhana (do)
		5. Affects livelihood	5. Sagar (do)
		6. Problem of drinking water	6. Patharpratima (do)
		7. Health hazards	7. Kultali (do)
		8. Problem of fodder	8. Kulpi (do)
		9. Possibilities of Snake bites	9. Jaynagar-II (Moderate)
		10. Possibilities of anti-social activities	10. Canning –I (do)
			11. Mathurapur-II (do)
			12. Diamand Harbour-II (do)
			13. Diamand Harbour-I (do)
3. Drought	Jun, July	1. Affects Seasonal crops and next crop pattern	1. Gosaba
		2. Problem of drinking water due to fall of ground water level.	2. Sonarpur
		3. Problem of irrigation	3. Magrahat-I
		4. Affects livelihood	4. Mathurapur-I
		5. Possibilities of epidemic	5. Kakdwip
			6. Baruipur
			7. Basanti
			8. Bishnupur-II
			9. Canning-II
			10. Patharpratima
4. Earthquake	Throughout the Year	1. Collapse buildings	29 Blocks of District.
		2. Causes death to human and cattle life.	
		3. Affected livelihood	
		4. Damages communication system	

		5. Wounded humanbeings & Cattle several.	
		6. Lack of food and drinking water	
		7. Loss of property	
		8. Law and order problem.	
5. Fire	Throughout the Year	1. Causes death to human and cattle life.	29 Blocks of District.
		2. Loss of property.	
6. Chemical Accident	Throughout the Year	1. Causes death to human and cattle life.	1. Budge-Budge-I
		2. Loss of property.	2. Budge-Budge-II
		3. Pollution of environment largely.	3. T.Maheshtala
			4. Bishnupur-I
			5. Bishnupur-II
			6. Baruipur
			7. Sonarpur
			8. Magrahat-II
			9. Bhangore
			10. Falta
			11. Diamond Harbour-I
			12. Kakdwip
7. Boat Capsize	Jan, Feb, July, Aug, Sept, Oct.	1. Causes death to human life.	1. Gosaba
			2. Basanti
			3. Canning-I
			4. Kakdwip
			5. Namkhana
			6. Sagar
			7. Patharpratima
			8. Kultali
			9. Diamand Harbour-i
			10. Diamand Harbour-ii
			11. Falta
			12. Budge-Budge-i
			13. Budge-Budge-ii
			14. Mathurapur-ii
8. Epidemic	Oct, Nov	1. Cause death to human and cattle life.	29 Blocks of District.
		2. Health Hazard	
		3. Affected livelihood	
9. Accident	Throughout the Year	1. Cause death to human life.	29 Blocks of District.
		2. Low and Order problem.	
10. Lightening	July, Aug, Sept, Oct.	1. Cause death to human and cattle life.	29 Blocks of District.

Vulnerability Analysis

Infrastructure Vulnerability against Hazards

Vulnerability	Vulnerability against each hazard							
	Cyclone		Flood		Chemical hazard		Fire	
	Population	Area name	Population	Area name	Population	Area name	Population	Area name
Road network	35,40,338	Gosaba	1,46,512	Gosaba	8,96,309	Budge-Budge-I	69,066	Gosaba
		Basanti		Basanti		Budge-Budge-II		Basanti
		Canning-I		Canning-I		Thakurpukur Mahestala		Canning-I
		Namkhana		Namkhana		Bishnupur-I		Namkhana
		Kakdwip		Kakdwip		Bishnupur-II		Kakdwip
		Sagar		Sagar		Baruipur		Sagar
		Patharpratima		Patharpratima		Sonarpur		Patharpratima
		Kulpi		Kulpi		Magrahat-II		Kulpi
		Kultali		Kultali		Bhangore-i		Kultali
		Diamond Harbour-i		Diamond Harbour-i				Diamond Harbour-i
		Diamond Harbour-ii		Diamond Harbour-ii				Diamond Harbour-ii
		Mathurapur-ii		Mathurapur-ii				Mathurapur-ii
		Joynagar-ii		Joynagar-ii				Joynagar-ii
		Budge-Budge-ii		Budge-Budge-ii				Budge-Budge-ii
		Magrahat-i						Magrahat-i
		Magrahat-ii						Magrahat-ii
		Mandirbazar						Mandirbazar
		Falta						Falta
		Budge-Budge-i						Budge-Budge-i
		Mathurapur-i						Mathurapur-i
		Joynagar-i						Joynagar-i
		Baruipur						Baruipur
		Bishnupur-i						Bishnupur-i
		Bishnupur-ii						Bishnupur-ii
		Canning-ii						Canning-ii
								Bhangore-i
								Bhangore-ii
								Sonarpur
								Thakurpukur Mahestala
Water ways	14,65,122	Gosaba	21,09,775	Gosaba		Not applicable		Not applicable
		Basanti		Basanti				
		Canning-i		Canning-i				
		Namkhana		Namkhana				
		Kakdwip		Kakdwip				
		Sagar		Sagar				
		Patharpratima		Patharpratima				
		Kulpi		Kulpi				
		Kultali		Kultali				
		Diamond Harbour-i		Diamond Harbour-i				
		Diamond Harbour-ii		Diamond Harbour-ii				
		Mathurapur-ii		Mathurapur-ii				
		Joynagar-ii		Joynagar-ii				
		Budge-Budge-		Budge-Budge-ii				

		ii						
Water supply	2,63,721	Gosaba	4,39,536	Gosaba	1,07,557	Budge-Budge-i		Less impact
		Basanti		Basanti		Budge-Budge-ii		
		Canning-i		Canning-i		Thakurpukur Mahestala		
		Namkhana		Namkhana		Bishnupur-i		
		Kakdwip		Kakdwip		Bishnupur-ii		
		Sagar		Sagar		Baruipur		
		Patharprotima		Patharprotima		Sonarpur		
		Kulpi		Kulpi		Magrahat-ii		
		Kultali		Kultali		Bhangore-i		
		Diamond Harbour-i		Diamond Harbour-i				
		Diamond Harbour-ii		Diamond Harbour-ii				
		Mathurapur-ii		Mathurapur-ii				
		Joynagar-ii		Joynagar-ii				
		Budge-Budge-ii		Budge-Budge-ii				
Sewage	10,83,688	Gosaba	3,51,629	Gosaba		Not applicable		Not applicable
		Basanti		Basanti				
		Namkhana		Canning-i				
		Kakdwip		Namkhana				
		Sagar		Kakdwip				
		Patharprotima		Sagar				
		Kulpi		Patharprotima				
		Kultali		Kulpi				
				Kultali				
				Diamond Harbour-i				
				Diamond Harbour-ii				
				Mathurapur-ii				
				Joynagar-ii				
				Budge-Budge-ii				
Hospital	15,23,726	Gosaba	19,04,658	Gosaba	2,68,892	Budge-Budge-i	1,72,667	Gosaba
		Basanti		Basanti		Budge-Budge-ii		Basanti
		Canning-i		Canning-i		Thakurpukur Mahestala		Canning-i
		Namkhana		Namkhana		Bishnupur-i		Namkhana
		Kakdwip		Kakdwip		Bishnupur-ii		Kakdwip
		Sagar		Sagar		Baruipur		Sagar
		Patharprotima		Patharprotima		Sonarpur		Patharprati ma
		Kulpi		Kulpi		Magrahat-ii		Kulpi
		Kultali		Kultali		Bhangore-i		Kultali
		Diamond Harbour-i		Diamond Harbour-i				Diamond Harbour-i
		Diamond Harbour-ii		Diamond Harbour-ii				Diamond Harbour-ii
		Mathurapur-ii		Mathurapur-ii				Mathurapur-ii
		Joynagar-ii		Joynagar-ii				Joynagar-ii
		Budge-Budge-ii		Budge-Budge-ii				Budge-Budge-ii
								Magrahat-i
								Magrahat-ii
								Mandirbazar
								Falta
								Budge-Budge-i
								Mathurapur-i

								Joynagar-i
								Baruipur
								Bishnupur-i
								Bishnupur-ii
								Canning-ii
								Bhangore-i
								Bhangore-ii
								Sonarapur
								Thakurpur
								Mahestala
Food Stock & supplies	8,79,073	Gosaba	20,51,170	Gosaba	Not applicable	Not applicable	Not applicable	Not applicable
		Basanti		Basanti				
		Canning-i		Canning-i				
		Namkhana		Namkhana				
		Kakdwip		Kakdwip				
		Sagar		Sagar				
		Patharprotima		Patharprotima				
		Kulpi		Kulpi				
		Kultali		Kultali				
		Diamond Harbour-i		Diamond Harbour-i				
		Diamond Harbour-ii		Diamond Harbour-ii				
		Mathurapur-ii		Mathurapur-ii				
		Joynagar-ii		Joynagar-ii				
		Budge-Budge-ii		Budge-Budge-ii				
Communication (System)	23,44,195	Gosaba	10,25,585	Gosaba	Not applicable	Less impact		
		Basanti		Basanti				
		Canning-i		Canning-i				
		Namkhana		Namkhana				
		Kakdwip		Kakdwip				
		Sagar		Sagar				
		Patharpratima		Patharprotima				
		Kulpi		Kulpi				
		Kultali		Kultali				
		Diamond Harbour-i		Diamond Harbour-i				
		Diamond Harbour-ii		Diamond Harbour-ii				
		Mathurapur-ii		Mathurapur-ii				
		Joynagar-ii		Joynagar-ii				
		Budge-Budge-ii		Budge-Budge-ii				
		Magrahat-i						
		Magrahat-ii						
		Mandirbazar						
		Falta						
		Budge-Budge-i						
		Mathurapur-i						
		Joynagar-i						
		Baruipur						
		Bishnupur-i						
		Bishnupur-ii						
		Canning-ii						

Embankments	1,75,814	Gosaba	24,90,707	Gosaba	Not applicable	Not applicable
		Basanti		Basanti		
		Canning-i		Canning-i		
		Namkhana		Namkhana		
		Kakdwip		Kakdwip		
		Sagar		Sagar		
		Patharprotima		Patharprotima		
		Kulpi		Kulpi		
		Kultali		Kultali		
		Diamond Harbour-i		Diamond Harbour-i		
		Diamond Harbour-ii		Diamond Harbour-ii		
		Mathurapur-ii		Mathurapur-ii		
		Joynagar-ii		Joynagar-ii		
		Budge-Budge-ii		Budge-Budge-ii		
		Basanti		Basanti		
		Canning-i		Canning-i		
		Namkhana		Namkhana		
		Kakdwip		Kakdwip		
		Sagar		Sagar		
		Patharprotima		Patharprotima		
		Kulpi		Kulpi		
		Kultali		Kultali		

Mainstreaming Disaster Risk Reduction into Developmental Process

Concept of Mainstreaming:

Disaster impacts considerably all the sectors of development and thus results in a serious social and economic setback to the development. On the other hand, the process of development, and the kind of development choices made in many areas, sometimes creates disaster risks. The intricate relationship between disaster and development is outlined in the following Table.

	Economic Development	Social Development
Disaster limits development	Destruction of fixed assets. Loss of production capacity, market access or material inputs. Damage to transport, Communications or energy infrastructure. Erosion of livelihoods, savings and physical capital.	Destruction of health or education infrastructure and personnel. Death, disablement or migration of key social actors leading to an erosion of social capital.
Development causes disaster risk	Unsustainable development practices that create wealth for some at the expense of unsafe working or living conditions for others or degrade the environment.	Development paths generating cultural norms that promote social isolation or political exclusion
Development reduces disaster risk	Access to adequate drinking water, food, waste management and a secure dwelling increases people's resiliency. Trade and technology can reduce poverty. Investing in financial mechanisms and social security can cushion against vulnerability.	Building community cohesion, Recognizing excluded individuals or social groups (such as women), and providing opportunities for greater involvement in decision-making, enhanced educational and health capacity increases resiliency.

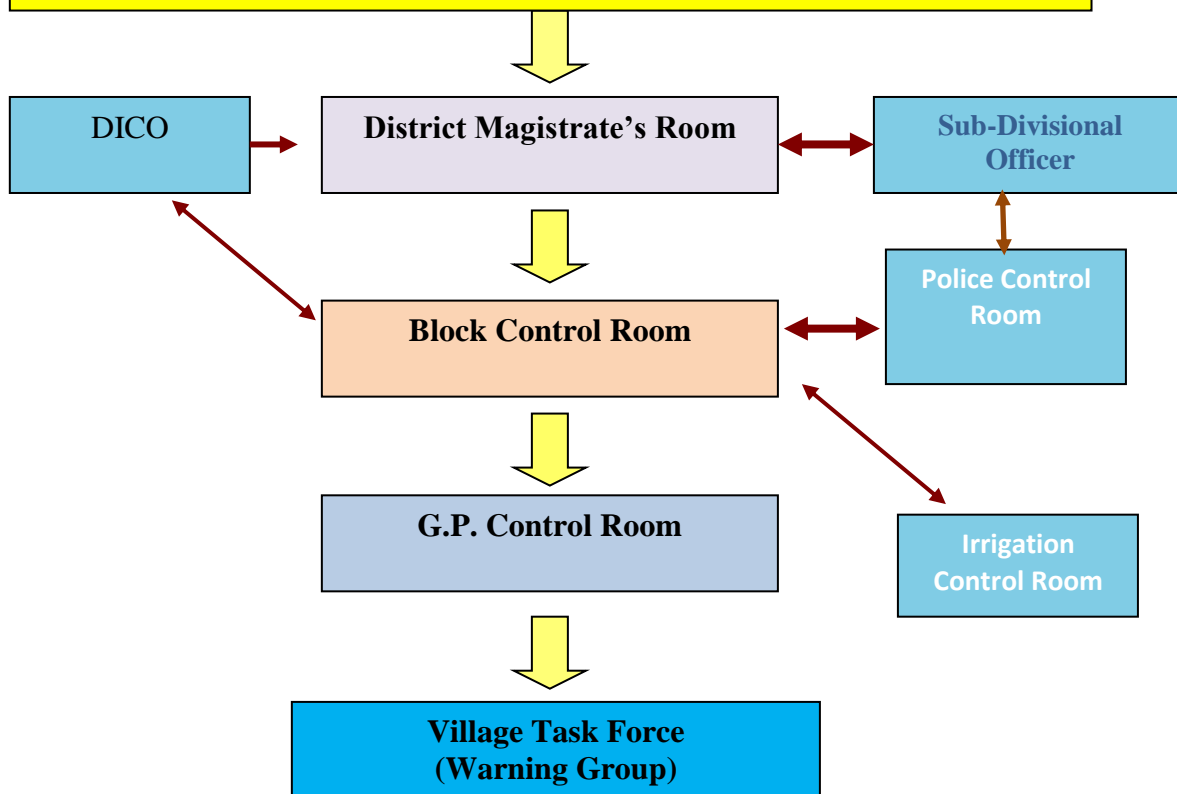
Further, mainstreaming is a cross-cutting issue which requires political commitment, public understanding, scientific knowledge and know-how, responsible risk sensitive development planning and practice, a people-centred early warning system and disaster response mechanisms. In addition, safeguarding human rights and integrating gender concerns are central to achieving mainstreaming concepts at the local level.

General overview & framework for Pre, during and post disaster Activities

Crises Response Structure of the Sub-division.

Early Warning Dissemination and Response Plan

Early Warning Dissemination System (Warning Group)



Department	Response System			
	Preparedness	Pre (after Warning)	During Disaster	Post Disaster
Sub-division	Preparation of Block Disaster Management Plan.	Open a Control Room at Block level of Gram Panchayat level (round the clock)	Evacuate the affected people to the rescue shelter.	Assess the house infrastructure and Property damage Inform the higher authority regarding rehabilitation of the affected people.
	Preparation of Gram Panchayat D M Plan.	Disseminate the information to the Gram Panchayat level.	Supply food-grains and drinking water, match box, candle to the affected people.	Aware the affected village regarding health hazards during post disaster period.
	Preparation of Village Disaster Management Plan.	Check the building which will be used as rescue Shelters.	Set-up temporary shelters and latrine.	To start Food for work Scheme for affected people of the villages for normal livelihood.
	Identification of the rescue Shelters	Check the source of drinking water.	Communicate the higher authority regarding the current situation.	
	Identification of the drinking water sources.	Inform the Storage agents to supply food grains (if required).		
	Formation of G.P.D.M.T and different Rescue & Evacuation teams at village level.	Collect the materials for seting-up the temporary shelters and latrine (if situation needs).		Setting up of temporary shelters with latrine
	Aware the people regarding the Risk of the disaster and mitigation method.	Alert the Line Department at Gram Panchayat level related to rescue operation.		
	Distribution of leaflets on Do's & Don't's during pre on and post disaster period.	Alert the Volunteers of Village Disaster Management Team through P.R.Is/ NGOs to tackle the odds and aware the villagers regarding the ensuing disaster.		
Police	Aware the local people regarding law and order situation during pre on and post disaster period.	Alert the local people through mobile address system.	Help the village rescue team to evacuate the affected people.	Help the local authority to assess the damage at affected locality.
		Keep watch on the law and order situation.	Maintain law and order situation.	Help in distribution of H.B grants and other grants.
			Take necessary steps against hoarding of essential Commodities.	
			Controlling Price rise.	
Revenue				
Health	Aware the people regarding health	Stock essential medicines at rescue	Team wise work at different rescue	Aware the affected people regarding post disaster

	hazards Pre on and Post disaster period.	points.	shelter within the affected area to reach timely treatment for the injured and the ill.	diseases.
		Inform all Staffs who are engaged in different affected areas.	To remain alert for conducting health camps when needed	To remain alert and swing into action in case any epidemic strikes.
		Alert the people regarding the diseases during on and post disaster period.		
Irrigation	Construct new embankments or repair and strengthen old embankments.	Open a Control room to watch the embankments.	Repair the damaged embankment as early as possible to avoid the loss of lives and property.	Assess the loss and get ready for next period. Identify mitigation measures and implement them.
RD & R&B				
RWS&S				
AH Dep.				
Electric				
Agril.				
NGOs				

i) STANDARD OPERATING PROCEDURE FOR DISTRICT CONTROL ROOM

ii) Operational Timing:

Officer in charge of the District DMIC

Operational Timing : JUNE to DECEMBER Every Year		
Normal	Warning	Post
10 am to 7 pm.	24 hours.	24 hours for three days before back to normal from 10 am to 7 pm.

iii) DMIC Operation

Operational Timing			Personnel Deployment			Name of the record	Equipments
Normal	Warning	Post	Designation	Department	Time		
10 am to 7 pm.	24 hours.	24 hours for three days before normalcy.	District Disaster Management Officer	District Disaster Management Department	As mentioned.	-----	All at Emergency Operation Centre.

iv) Personnel Deployment in DMIC:

Days	7AM TO 10AM (Day Office) 10 PM TO 5PM (Morning Office)	5 PM TO 10 PM	10 PM TO 7AM
MONDAY			
TUESDAY			
WEDNESDAY			
THURSDAY			
FRIDAY			
SATURDAY			
SUNDAY			

MESSAGE TO PUBLIC OVER ALL INDIA RADIO SHOULD BE SPECIFIC.

- REGULAR CONTACT** at intervals with R.D.C, S.R.C., WBSDMA, IMD, Home Secretary, Revenue Secretary, PS/ Secretary/ Addl. Secretary to Chief Minister, Chief Secretary and Health Secretary.
- Written orders shall be issued for identifying places for **starting free kitchens** for atleast 3 days.
- Check up <http://www.npmoc.navy.mil/jtwc.html> and www.imd.ernet.in and other web sites.
- Keep **spare copies of district maps**. Jurisdiction maps of all irrigation divisions shall be kept ready in good numbers.
- Place requisition with S.P/WBSDMA for supply of temporary VHF sets for CDMO, CDVO, Sub-Collectors, SE-Irrigation, DEO & neighbouring BDOs/ Tahasildars.
- Contact **Flood Cell**, CWC and Meteorology Bhubaneswar.
- Requisition all **IB/ Rest sheds**.
- Requisition** School/ College for Army/ Police forces.
- Direct all **field officers to hire generators** and keep sufficient oil for running them.
- Direct all police stations to keep **spare batteries for VHF**.
- Looking at the onset of emergency and after making quick preparations, **convene Emergency meeting** of important official and non-official agencies. Give them clear instructions on the above manner.
- Make a **Duty Roster** of Important Officials for uninterrupted functioning of DCR & immediate implementation of the Relief/Rescue Programme.

PROFORMA FOR "IN" MESSAGE REGISTER

Sl.No	Date	Time of receipt	In Message Sr.No.	Received From	Address to	Message Transferred to	Copies to	Mode (WL/ Tel/Message) of receipt	Instruction/follow-up to be done
01.									

PROFORMA FOR "OUT" MESSAGE REGISTER

Sl. No.	Date	Time of Dispatch	Out Message	Related in Message No. if	Address from:	Address to	Copies to	Mode (WL/ Tel/Message) of	Instruction/follow-up to
01.									

Records and Equipments of District Control Room (BCR):

Name of the Record	Equipments	Govt./ Private

Activities of Sub-division Control Room:

- Normal Time:
- Activities After Receiving Warning.
- Activities Post disaster.

COMMUNICATION & MEDIA

The following tabular form insures media involvement at different hierarchy of administration.

❖ District level - ADM (Emgy)→DIPRO→OIC, DCR

Sub-Div. Level- Sub-Collector→ Emergency Officer→SDIPRO

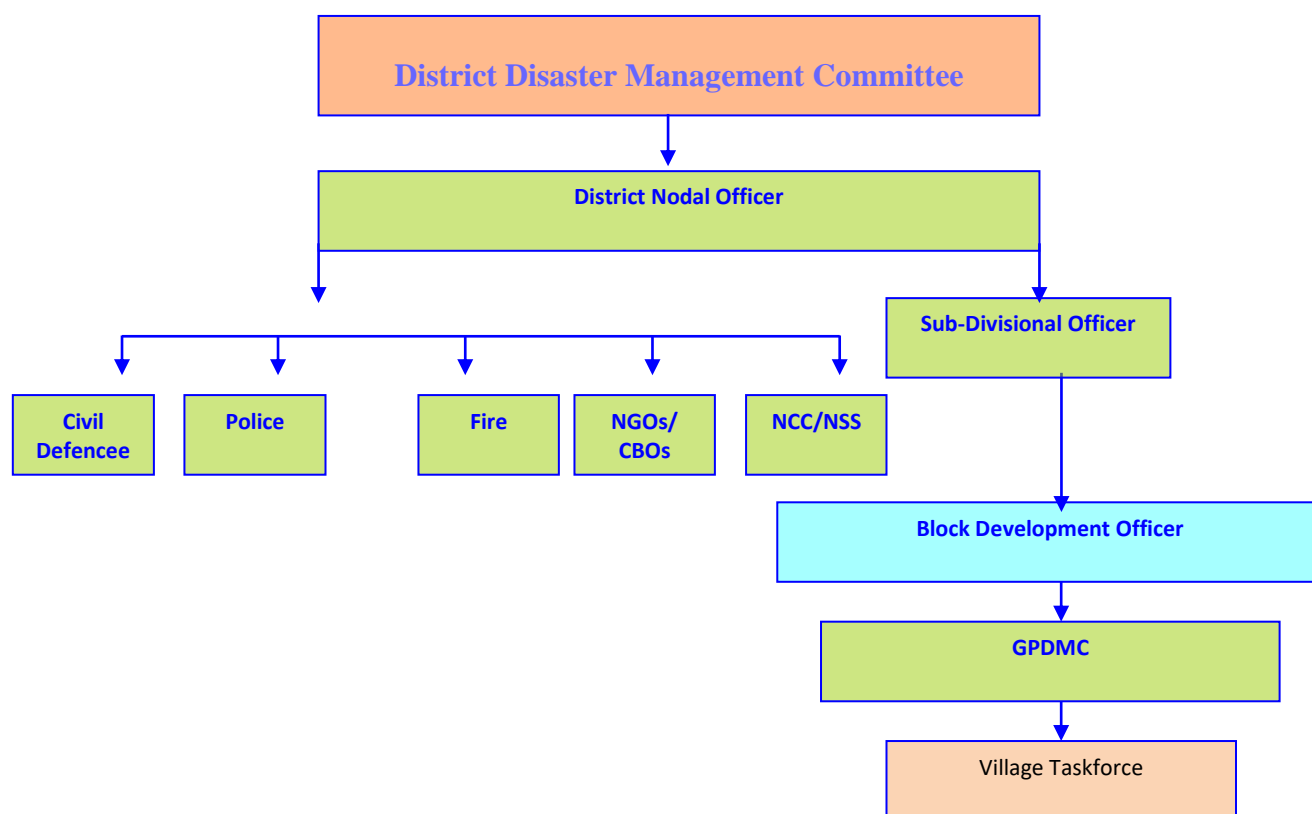
☞ **IDENTIFIED LOCATIONS FOR INSTALLATION OF VHF**

Sl.No	Location for Installation of VHF Systems
1.	
2.	

Check List for DMIC:

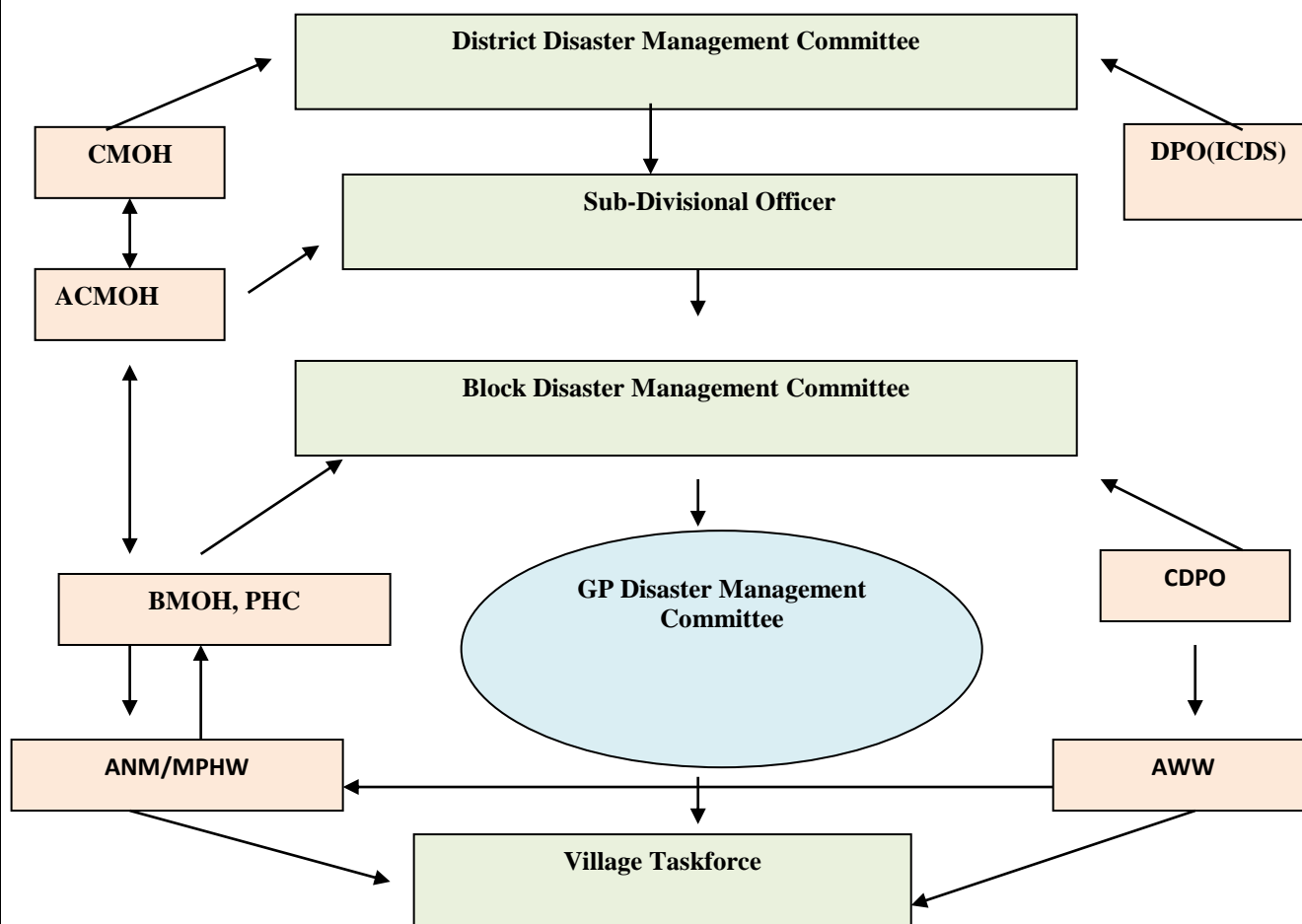
Activities	Page no. for Reference	Yes/No
<ul style="list-style-type: none"> • Assessing of duty. • Maintain inventory of resources. • Provide information who needs it. • Service division and assign duties. • Receive information on a routine basis and record. • Receive preparedness report from various relevant dept. • Basing on the reports feedback to the district authority and others. • Vulnerable area map displayed. • Imp. Phone numbers. 		

Evacuation, Search and Rescue Response



Department	Evacuation, Search and Rescue Response Structure and System			
	Preparedness	Pre (after Warning)	During Disaster	Post Disaster
District	Training	Activation DMT	Action	Review
Panchayat Samiti	Training	Block Master Teams	Action	Review
MVI	Training	Activation DMT and BMT	Action	Review
Police	Training	Activation DMT and BMT	Action	Review
Fire Brigade	Training	Activation DMT and BMT	Action	Review
Revenue/ RI	Training	Activation DMT and BMT	Action	Review
Medical	Training	Activation DMT and BMT	Action	Review
Saline and Embankment/ PWD/ RD	Training	Activation DMT and BMT	Action	Review
NGO/ Volunteer	Training	Activation DMT and BMT	Action	Review

First aid & Health Services:-

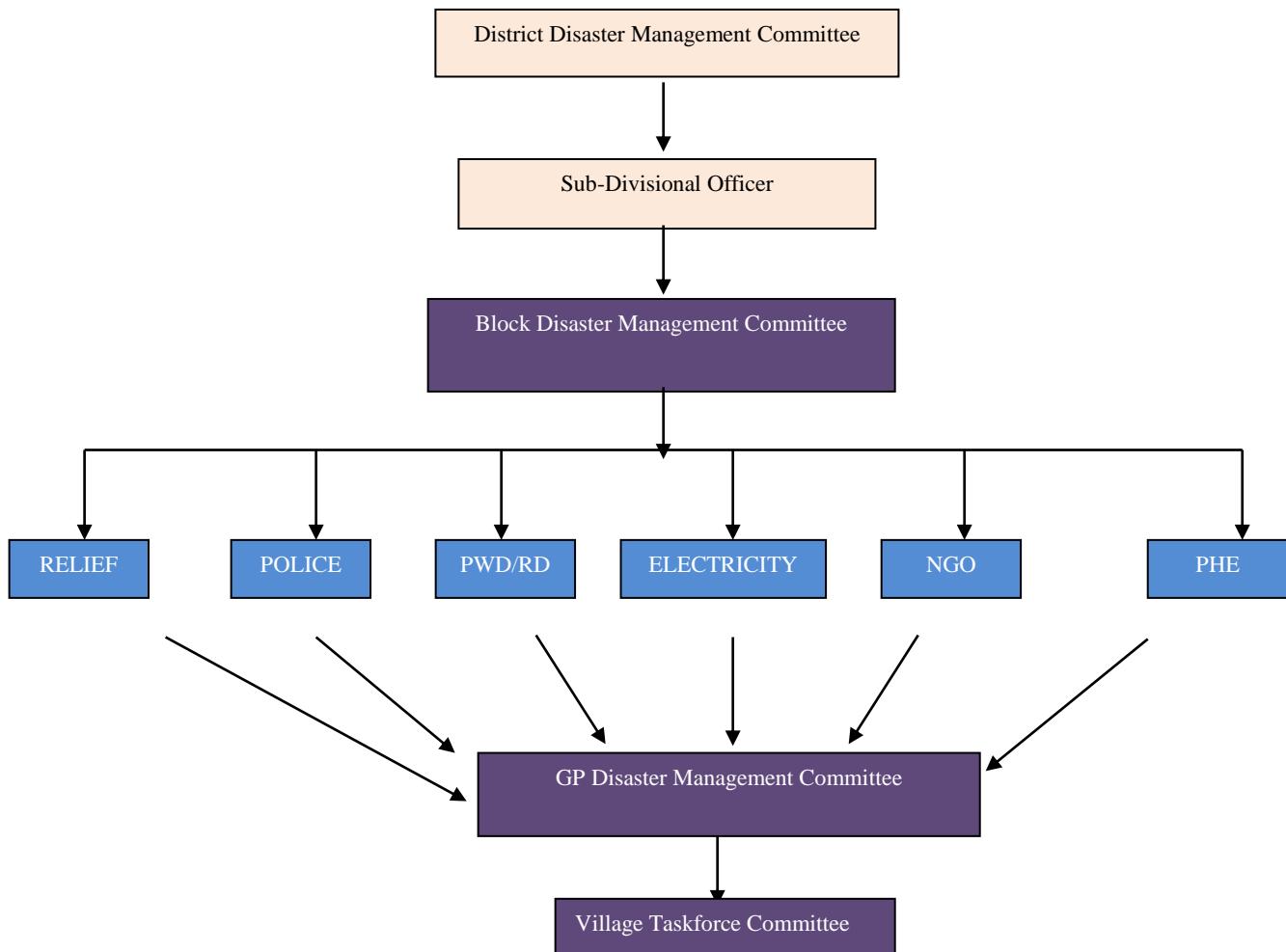


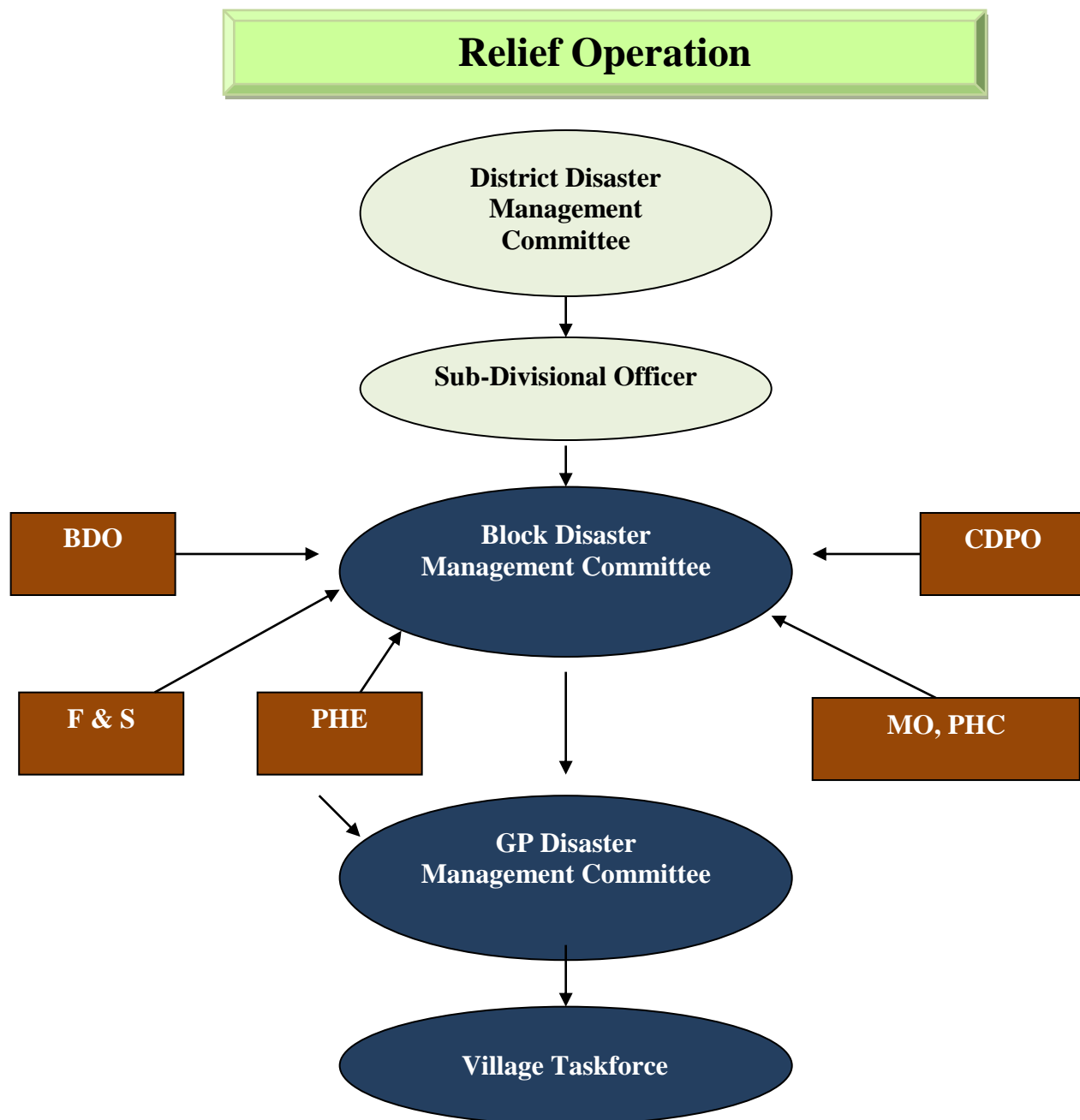
Departments	Medical Aid - Response System			
	Preparedness	Pre (after warning)	During	Post
CDMO	Training	Activation DMT and BMT	Action	Review
CDVO	Training	Activation DMT and BMT	Action	Review
DSWO	Training	Activation DMT and BMT	Action	Review
District Administration	Training	Activation DMT and BMT	Action	Review
NGO/ Volunteers	Training	Activation DMT and BMT	Action	Review

Carcass/Dead bodies' disposal

Departments	Preparedness	Pre (after warning)	During	Post
Health/ VAS	Training	Activation DMT and BMT	Action	Review
Gram Panchayat and NGO	Training	Activation DMT and BMT	Action	Review

Shelter Management





Check List for DMIC

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> • Assignment of Duty • Maintain inventory of resources • Identification of Weak and vulnerable points • Proper setting up of the control room • Provide information who need it • Service division and assign duties • Receive information on a routine basis and record • Receive preparedness report from various relevant dept. • Basing on the reports feedback to the district authority and others • Vulnerable area map displayed • Imp. Phone numbers 			

CHECKLIST FOR VARIOUS DEPARTMENTS

a) *Collector and District Magistrate:*

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ Vulnerable and risk assessment map ▪ Cut off areas with safe route map ▪ Storing facilities ▪ List of dealers for food ▪ List of volunteers ▪ Control room set up ▪ Boat and transportation for rescue ▪ Transportation for food supply ▪ Pre-positioning of staff ▪ Site operation centers/staff ▪ Evacuation and rescue of people ▪ Coordination and linkage ▪ Damage assessment ▪ Address and telephone list ▪ Alternative communication system ▪ Pulling resources from out side if required ▪ Having network with neighboring Sub-divisions 			

b) *President Zilla Parishad*

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> • Ensuring the function of BDMC • Approval of DM Plan in the Panchayat Samiti • Awareness generation 			

c) **CDMO**

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ Stock position of live saving drugs, ORS, IV fluids and other equipment ▪ Distribution of ORS, Halogen to field areas ▪ List of contact address of field staff ▪ List of volunteers ▪ List of DDC/ AWW ▪ List of epidemic/risk prone areas ▪ List of site operation areas ▪ Mobile health unit ▪ List of Dist./ health control rooms ▪ List of private and local doctor ▪ Awareness through propagation of healthy practices during the disaster time ▪ Trained the village taskforces on use of medicine and first aid ▪ Daily disease report collection and analysis ▪ Preventive measures ▪ Taking help of others/dist 			

d) **Executive Engineer Irrigation/SDO**

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ Stock piling of repair materials like sand, bags, bamboo at vulnerable points [Place name]etc. ▪ Provision of guarding of weak points ▪ List of volunteers ▪ Taking help of community for maintenance of the embankments ▪ Taking proper measures for protecting the weak points ▪ Co-ordinating with others 			

e) *District Agriculture Officer*

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ List of different areas to be affected by different hazards ▪ Crop pattern with land holding ▪ List of irrigation points with status ▪ Alternative crop ▪ Trained for food preservation and protection ▪ Assessment of damage ▪ Provision of seeds and others ▪ Helping in raising of community nursery for seedling/sapling ▪ Crop insurance ▪ Generate seed bank/grain bank at village level ▪ Coordinating with others 			

f) *CDVO*

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ Animal population with categories ▪ Possible problems related to different hazards ▪ Dealer of feeds/fodder ▪ List of cow sheds ▪ Site camps with volunteers ▪ Programme for mass vaccination ▪ Trained the taskforce to use of medicine ▪ Coordinating with others 			

f) *Executive Engineer / SDO (RD/PWD)*

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ Identification o weak points ▪ Repair the weak points before hazards season ▪ Stockpiling of building materials ▪ List of dealers for building materials ▪ Promotion/training of people on retrofitting/ resistance building ▪ Arrangement of equipment for road clearance ▪ Plan for vulnerable reduction ▪ Coordinating with others 			

GEOGRAPHICAL POSITION OF THE HELIPADS/AIR DROPPING POINTS

Sl. No.	Name of the Point	Sub-division	Purpose	Latitude	Longitude
1	Nimpith , under JoynagarII Block	Baruipur	Helipad	22° 08.9553' N	88° 26.7035' E
2	Narayantola Ramkrishna High School, under Basanti Block (Play ground)	Canning	Helipad	22° 08.7716' N	88° 46.8240' E
3	Ghati Harania High School, under Joynagar II Block (Play ground)	Baruipur	Helipad	22° 01.0640' N	88°31.4292' E
4	Marairtat Roymoni Institute under Joynagar II Block (Play ground)	Baruipur	Helipad	22°03.8197' N	88°30.1435' E
5	Jamtala High School, under Kullali Block	Baruipur	Air dropping point	22°06.2740' N	88°34.1904' E
6	Jamtala High School,under KLiltali Block (Play ground)	Baruipur	Helipad	22°06.2492' N	88°34.1842' E
7	Golabari Hatkhola, under Canning I Block	Canning	Helipad	22°12.8350' N	88°37.7902' E
8	Budhakhali F.P. School Ground, under Canning I Blo	Canning	Air dropping point	22°12.0617' N	88°38.5113' E
9	Rajnarayan High SchoolItkhola, under Canning(Play ground)	Canning	Helipad	22°13.3433' N	88°37.0520' E
10	St. Gabrial High School, under Canning I Block	Canning	Helipad	22°18.8310' N	88°39.9489' E
11	Jibantala Play ground, under Canning II	Canning	Helipad	22°25.1759' N	88°39.7560' E
12	Canning II Block office ground	Canning	Helipad	22°25.2549' N	88°39.7676' E
13	Gosaba G.P. office, R.R. Govt. High School, under Gosaba Block	Canning	Helipad	22°10.2242' N	88°48.1566' E
14	Gosaba Block office ground	Canning	Helipad	22°09.7706' N	88°47.8269' E
15	Malaya High School,under Patharpratima Block	Kakdwip	Air dropping point	21 °59.4863' N	88°18.4594' E
16	G. M. Siksha Niketan	Kakdwip	Air dropping point	21°51.5968' N	88°22.3394' E
17	Pahar Pratima High School Play ground	Kakdwip	Air dropping point	21°47.5647' N	88°21.3909' E
18	Chandranagar Stadium,under Namkhana Block	Kakdwip	Helipad	21 °41.6624' N	88°14.9136' E
19	Narayanitala DhaneswarSiksha Sadan, under Namkhana Block	Kakdwip	Helipad	21 °35.6628' N	88°15.7937' E
20	Bagdanga Khasmahal ground, under Namkhana Block	Kakdwip	Helipad	21 °40.2608' N	88°12.1060' E
21	Lot-8, Kakdwip	Kakdwip	Helipad	21 °52.9100' N	88°09.9117' E
22	Ramtanunagar, Kakdwip 5 no. Hat, brick field	Kakdwip	Air dropping point	21 °56.5966' N	88°11.5879' E
23	Sitarampur, Kakdwip	Kakdwip	Air dropping point	21 °58.4003' N	88°12.4436' E
24	Kachuberia Bus Stand , under Sagar Block	Kakdwip	Helipad	21°51.6211' N	88°08.4562' E
25	Ghoramara Milan Vidyapith ground, under Sagar Block	Kakdwip	Air dropping point	21 °54.9777' N	88°07.8886' E

Certain other locations are also there which can be used as air dropping points in case of any emergency. Location of such air dropping points are given in the table below:-

<i>Sl. No.</i>	<i>Name of the Point</i>	<i>Block /Municipality</i>	<i>Sub-division</i>
1	Khanrapara High School	Mathurapur-II	D/Harbour
2	Stadium Ground	D/ Harbour	D/Harbour
3	Naval Coast Battery	D/ Harbour	D/Harbour
4	Falta Export Processing Zone	Falta	D/Harbour
5	Shirakole Y. N. High School	Magrahat-I	D/Harbour
6	Kalipota Saptagram High School	Magrahat-I	D/Harbour
7	Lakshmikantapur Morapai St. Patric School	Magrahat-I	D/Harbour
8	Sherpur G.P Office	Magrahat-I	D/Harbour
9	Yearpur B.P. M High School	Magrahat-I	D/Harbour
10	Basanti Narayantala High School	Basanti	Canning
11	Sagar Mala Ground	Sagar	Kakdwip
12	Sagar Mahavidyalaya Ground	Sagar	Kakdwip
13	Dhabalat G.P Office adjacent ground	Sagar	Kakdwip
14	Ganga Sagar bus Stand	Sagar	Kakdwip
15	Harinbari Sports Complex	Sagar	Kakdwip
16	Mrinalgar High School Ground	Kakdwip	Kakdwip
17	Manmathapur	Kakdwip	Kakdwip
18	Harendranagar	Kakdwip	Kakdwip
19	Gangadharpur	Kakdwip	Kakdwip

Irrigation Division & their vulnerable areas

Name of the Block under Irrigation Division

<i>Joynagar Irrigation Division</i> (Exe. Engineer: Sanjay Kr. Bandyopadhyay, 9874863405)	
Gosaba	
Basanti	
Joynagar-II	
Canning-I	
Kultali	
Mathurapur-II	
Patharpratima	
<i>Kakdwip Irrigation Division</i> (Exe. Engineer: Kalyan kr. Dey, 9831101505)	
Kakdwip	
Sagar	
Namkhana	
Patharpratima	
<i>Canal Irrigation Division</i> (Exe. Engineer 1: Kaushik Mondal, 9748153043 Exe. Engineer 2: Jogobondhu Bandyopadhyay, 9433879282)	
Diamond harbour-I	
Diamond harbour-II	
Falta	
Budge Budge-I	
Kulpi	

Joynagar Irrigation Division

Sl. No.	Location	River/ Khal	Bank	Length of vulnerable spots(Mtr.)	Remarks
BLOCK-GOSABA					
1	Puinjali	Puinjali	Right	400.00	100 Mtr. is restored and 300 Mtr. are to be restored shortly if fund permits.** Approx. amount Rs. 9.00 Lakhs.
2	Puinjali	Roymogal	Right	200.00	100 Mtr. is restored and 100 Mtr. are to be restored shortly if fund permits.** Approx. amount Rs. 5.00 Lakhs.
3	Kumirmari	Roymongal	Right	400.00	200 Mtr. is restored and 200 Mtr. are to be restored shortly if fund permits.** Approx. amount Rs. 9.00 Lakhs.
4	Kumirmari	Puinjali	Left	500.00	200 Mtr. is restored and 300 Mtr. are to be restored shortly if fund permits.*** Approx. amount Rs. 14.00 Lakhs.

5	Kumirmari	Sarsa	Left	800.00	200 Mtr. is restored and 600 Mtr. are to be restored shortly if fund permits.*** Approx. amount Rs. 20.00 Lakhs.
6	Kumirmari	Bagna	Right	100.00	100 Mtr. are to be restored shortly if fund permits.*** Approx. amount Rs. 2.40 Lakhs.
7	Kalidaspur	Kapura	Right	700.00	300 Mtr. is restored and 400 Mtr. are to be restored shortly if fund permits.*** Approx. amount Rs. 19.00 Lakhs.
8	Hetalbari	Melmel	Right	200.00	100 Mtr. is restored and 100 Mtr. are to be restored shortly if fund permits.*** Approx. amount Rs. 5.00 Lakhs.
9	Choto Mollakhali	Sarsa	Right	400.00	200 Mtr. is restored and 200 Mtr. are to be restored shortly if fund permits.** Approx. amount Rs. 9.00 Lakhs.
10	Purba Radhanagar	Durgamondap	Left	100.00	100 Mtr. to be restored if fund permits.* Approx. amount Rs. 2.00 Lakhs.
11	Ramnagar	Pathankhali	Left	100.00	100 Mtr. to be restored if fund permits.* Approx. amount Rs. 2.20 Lakhs.
12	Haripur	Pathankhali	Left	100.00	100 Mtr. to be restored if fund permits.* Approx. amount Rs. 2.40 Lakhs.
13	Kamarpara	Hana	Left	100.00	100 Mtr. to be restored if fund permits.* Approx. amount Rs. 2.10 Lakhs.
14	Chandipur	Kartal	Left	100.00	100 Mtr. is restored shortly if fund permits.** Approx. amount Rs. 4.60 Lakhs.
15	Manmathanagar	Bidya	Right	500.00	200 Mtr. is restored and 300 Mtr. are to be restored shortly if fund permits.** Approx. amount Rs. 12.00 Lakhs.
16	Satjelia	Gomor	Left	200.00	100 Mtr. is restored and 100 Mtr. are to be restored shortly if fund permits.** Approx. amount Rs. 5.00 Lakhs.
17	Dayapur	Gomor	Left	200.00	200 Mtr. to be restored if fund permits.* Approx. amount Rs. 5.00 Lakhs.
18	Rangabelia	Gomor	Right	200.00	200 Mtr. to be restored if fund permits.* Approx. amount Rs. 4.80 Lakhs.
19	Pakhiralay	Gomor	Right	200.00	200 Mtr. is restored shortly if fund permits.** Approx. amount Rs. 4.50 Lakhs.
20	Arampur	Durgaduani	Left	300.00	100 Mtr. is restored and 200 Mtr. are to be restored shortly if fund permits.*** Approx. amount Rs. 7.00 Lakhs.

21	Dulki	Durgaduani	Left	100.00	100 Mtr. to be restored if fund permits.* Approx. amount Rs. 2.00 Lakhs.
22	Sonaga	Durgaduani	Left	100.00	100 Mtr. to be restored if fund permits.* Approx. amount Rs. 2.00 Lakhs.
23	Sonaga	Gomor	Right	200.00	50 Mtr. is restored and 150 Mtr. are to be restored shortly if fund permits.*** Approx. amount Rs. 4.00 Lakhs.
24	Amlamethi	Gomor	Right	200.00	100 Mtr. is restored and 100 Mtr. are to be restored shortly if fund permits.*** Approx. amount Rs. 5.00 Lakhs.
25	Mathurakhanda	Gomor	Right	150.00	150 Mtr. to be restored if fund permits.* Approx. amount Rs. 2.50 Lakhs.
26	Bali	Gomor	Right	100.00	100 Mtr. are to be restored shortly if fund permits.** Approx. amount Rs. 1.50 Lakhs.
27	Bali	Bidya	Left	150.00	150 Mtr. to be restored if fund permits.* Approx. amount Rs. 2.00 Lakhs.
28	Bijoynagar	Durgaduani	Right	200.00	100 Mtr. is restored and 100 Mtr. are to be restored shortly if fund permits.** Approx. amount Rs. 3.00 Lakhs.
29	Birajnagar	Durgaduani	Right	200.00	50 Mtr. is restored and 150 Mtr. are to be restored shortly if fund permits.** Approx. amount Rs. 4.60 Lakhs.
BLOCK-MATHURAPUR-II					
35	Doctor Ghery, Mouza - Kankandighi, G.P. - Kankandighi	Raidighi	Left	200.00	Aila Embankment to be taken up shortly
36	Simana Ghat, Mouza - Nagendrapur, G.P. - Nagendrapur -	Pakchara	Left	200.00	*Embankment is stable
37	Narashi, Mouza - Domkal, G.P. - Nagendrapur	Pakchara	Left	100.00	Aila Embankment to be taken up shortly
38	Muchiramer Teka, Mouza + G.P. - Nagendrapur	Pakchara	Left	200.00	Aila Embankment to be taken up shortly
39	Magbulgaji Teka, Mouza - Domkal, G.P. - Nagendrapur	Thakuran	Right	50.00	50 mtr. is to be restored shortly if fund permit*** Approx. Amount Rs. 4.00 Lakhs
40	Tarak Mondal Ghery, Mouza - Purbajata	Thakuran	Right	350.00	Aila Embankment to be taken up shortly

41	Singher gheri, Mouza - Kumrapara	Raidighi	Right	50.00	50 mtr. is to be restored shortly if fund permit*** Approx. Amount Rs. 4.00 Lakhs
42	Tinergheri, Mouza - Nandakumarpur	Mridangabhanga	Left	250.00	*Embankment is stable
43	Maity Gheri, Mouza - Kailashpur	Mridangabhanga	Left	300.00	*Embankment is stable
44	Sasmal gheri, Mouza - Kailashpur	Nakchara	Right	300.00	*Embankment is stable
45	Janar gheri, Mouza - Mahabatnagar	Mridangabhanga	left	150.00	150 mtr. is to be restored shortly if fund permit*** Approx. Amount Rs. 8.00Lakhs
46	Kathkir Mathani, Mouza - Kumrapara	Raidighi	Right	150.00	*Embankment is stable
47	Srifaltala, Mouza - Raidighi	Raidighi	Right	400.00	*Embankment is stable
48	Gurer Ghery, Mouza - Mahabatnagar	Nakchara	Right	150.00	Aila Embankment to be taken up shortly
BLOCK-PATHARPRATIMA					
67	Near Bairagir More, Mouza + G .P. - Dk. Roypur	Sutarbag	Right	400.00	*Embankment is stable
	Piprakhali, Bamoner dhos, G. P. - Dk. Roypur	Sutarbag	Right	1000.00	1000 mtr. is to be restored shortly if fund permit*** Approx. Amount Rs. 6.00Lakhs
BLOCK-CANNING - I					
1	Mouza -Matla	Matla	RIGHT	200.00	100.00 mtr to be restored & 100.00 mtr are to be restored shortly if fund permit** Approx Amount Rs. 2.00 Lakhs
2	Mouza - Belekhali	Matla	RIGHT	400.00	200.00 mtr to be restored & 200.00 mtr are to be restored shortly if fund permit** Approx Amount Rs. 4.00 Lakhs
3	Mouza - Gharkhali	Matla	RIGHT	250.00	100.00 mtr to be restored & 150.00 mtr are to be restored shortly if fund permit** Approx Amount Rs. 2.50 Lakhs
4	Mouza - Redokhali	Matla	RIGHT	350.00	100.00 mtr to be restored & 250.00 mtr are to be restored shortly if fund permit** Approx Amount Rs. 3.50 Lakhs
5	Mouza - Madhukhali	Matla	RIGHT	1000.00	400.00 mtr to be restored & 600.00 mtr are to be restored shortly if fund permit** Approx Amount Rs. 10.00 Lakhs

6	Mouza - Budhakhali	Matla	RIGHT	400.00	200.00 mtr to be restored & 200.00 mtr are to be restored shortly if fund permit** Approx Amount Rs. 4.00 Lakhs
7	Mouza - Kripakhali	Beledona	LEFT	350.00	100.00 mtr to be restored & 250.00 mtr are to be restored shortly if fund permit** Approx Amount Rs. 3.50 Lakhs
8	Mouza - Kripakhali	Beledona	LEFT	400.00	150.00 mtr to be restored & 250.00 mtr are to be restored shortly if fund permit** Approx Amount Rs. 4.00 Lakhs
CANNING -II					
1	Mouza - Jogendra Nagar	Karati	L/B	200	100.00 mtr to be restored & 100.00 mtr are to be restored shortly if fund permit** Approx Amount Rs. 2.00 Lakhs
BLOCK - PATHARPRATIMA					
49	Purbasripatinagar, Taltala	Thakuran	Right	600.00	*Embankment is stable
50	Dk. Kashinagar	Thakuran	Right	400.00	*Embankment is stable
51	Sridharnagar, Bijayranjit ghat	Jagaddal	Left	600.00	200 mtr are to be restored shortly if fund permit*** Approx. Amount Rs. 7.00 Lakhs
52	Bisnupur	Atharogachi khal	Left	250.00	100 mtr are to be restored shortly if fund permit*** Approx. Amount Rs. 4.50 Lakhs
53	Purbadwarikapur, near jetty ghat.	Nakchara	Left	500.00	300 mtr are to be restored shortly if fund permit*** Approx. Amount Rs.7.0 Lakhs
54	Laxmijanardanpur, near jetty ghat	Sibua	right	250.00	*Embankment is stable
55	Ramganga, Gangar ghat	Mridangabhanga	right	500.00	*Embankment is stable
56	Kumarpur	Atharogachi khal	right	500.00	*Embankment is stable
57	Ramganga (Bharatala)	Barchara	Left	900.00	*Embankment is stable
58	Dk. Gobindapur, Shiber ghat	Gobadia	left	850.00	*Embankment is stable
59	Achintanagar, srigheri	Pakhirali	left	700.00	*Embankment is stable

60	Kedarpur, Hular khal	Mridangabhanga	Left	350.00	*Embankment is stable
61	Achintanagar	Sibua	Right	300.00	*Embankment is stable
62	Indranarayanpur near sluice	Mridangabhanga	right	600.00	400 mtr are to be restored shortly if fund permit*** Approx. Amount Rs.4.0 Lakhs
63	Purba sripatinagar, zero point	Thakuran	right	500.00	*Embankment is stable
64	Kuemari, near sasam jetty and 6 no. gheri	Pakchara and thakuran	right	700.00	*Embankment is stable
65	Dk. Durgapur, Saraldah	Gobadia	left	400.00	*Embankment is stable
66	Digambarpur, khorar kheyra	Mridangabhanga	right	400.00	*Embankment is stable
67	Taranagar	Panipukuria	left	200.00	*Embankment is stable
BLOCK -KULTALI					
69	Gopalganj	Matla	Right	150	To be restored
70	Kaikhali	Nabipukur	Left	150	*Embankment is stable
71	Durgapur	Petkulchand	Left	340	*Embankment is stable
72	Deulbari	Matla	Right	250	To be restored
73	Deulbari	Chituri	Left	150	*Embankment is stable
74	Deulbari	Nabipukur	Right	200	200 mtr. is to be restored shortly if fund permit*** Approx. Amount Rs. 17.00 Lakhs
75	Madhyagurguria	Thakuran	Left	280	Already restored
76	Binodpur	Olian	Left	100	**To be restored shortly if fund permit
77	Nagenabad	Gurakhal	Right	100	**To be restored shortly if fund permit
78	Maipith	Olian	Left	100	**To be restored shortly if fund permit
79	Bhubaneswari	Thakuran	Left	200	**To be restored shortly if fund permit
80	Dongajhora	Beledona	Right	200	200 mtr. is to be restored shortly if fund permit*** Approx. Amount Rs. 10.00 Lakhs
81	Kilashnagar	Beledona	Right	250	250 mtr. is to be restored shortly if fund permit*** Approx. Amount Rs. 15.00 Lakhs

BLOCK - JOYNAGAR-II					
68	Nalgora	Moni	Left	100	*Embankment is stable
BLOCK - BASANTI					
Sl. No.	Location	River/Khal	Bank	Length of the vulnerable spots (Mtr.)	Remarks
75	Ramchandrakhal	Hogol	Left	300.00	150.00 mtr. is restored & 150.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 3.00 Lakhs
76	Hogolduri	Hogol & Hana	Left	600.00	210.00 mtr. is restored & 300.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 6.00 Lakhs
77	Kalahazra	Hana	Left	1500.00	170.00 mtr. is restored & 500.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 10.00 Lakhs
78	Phulmalancha	Hana	Left	300.00	54.00 mtr. is restored & 200.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 6.00 Lakhs
79	Sachekhali	Hana	Left	600.00	105.00 mtr. is restored & 300.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 6.00 Lakhs
80	Bagulakhali	Hana	Left	600.00	90.00 mtr. is restored & 300.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 6.00 Lakhs
81	Chunakhali	Hana & Hatakhali	Left	1500.00	50.00 mtr. is restored & 800.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 16.00 Lakhs
82	Charabidya	Hatakhali & Baniboilia	Left	1200.00	228.00 mtr. is restored & 450.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 9.00 Lakhs
83	Kumrakhali	Piprakhali	Left	800.00	300.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 6.00 Lakhs
84	Basanti	Hogol	Right	200.00	100.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 2.00 Lakhs
85	Purandar	Hogol	Right	100.00	100.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 2.00 Lakhs
86	Anandabad	Matla	Left	300.00	150.00 mtr. is restored & 200.00 mtr. are to be restored shortly if fund permit*** Approx. Amount Rs. 4.50 Lakhs
87	Nafarganj-I	Matla	Left	400.00	100.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 2.00 Lakhs

88	Nafarganj-II	Matla	Left	600.00	150.00 mtr. are to be restored shortly if fund permit*** Approx. Amount Rs. 3.00 Lakhs
89	Parbotipur	Matla	Left	350.00	350.00 mtr. are to be restored shortly if fund permit*** Approx. Amount Rs. 10.00 Lakhs
90	Laskarpur	Matla	Left	350.00	200.00 mtr. is restored & 150.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 3.00 Lakhs
91	Jharkhali	Matla	Left	400.00	100.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 2.50 Lakhs
92	Jharkhali-IV	Matla & Herobhanga	Left	700.00	150.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 3.50 Lakhs
93	Sajnetala	Hogol	Right	400.00	100.00 mtr. is restored & 250.00 mtr. are to be restored shortly if fund permit*** Approx. Amount Rs. 6.00 Lakhs
94	Masjidbati	Kartal	Right	300.00	100.00 mtr. is restored & 100.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 7.00 Lakhs
95	Gadkhali	Bidya	Right	400.00	Embankment is stable*
96	Birinchibari	Bidya	Right	400.00	200.00 mtr. is restored & 100.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 2.00 Lakhs
97	Nafarganj-VII	Goranbose	Right	500.00	Embankment is stable*
98	Jyotishpur	Bidya	Right	400.00	200.00 mtr. are to be restored shortly if fund permit*** Approx. Amount Rs. 4.00 Lakhs
99	Tridibnagar	Bidya	Right	300.00	200.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 4.00 Lakhs
100	Jharkhali-III	Herobhanga	Right	400.00	Embankment is stable*
101	Naliakhali	Matla	Left	400.00	150.00 mtr. are to be restored shortly if fund permit** Approx. Amount Rs. 3.00 Lakhs
102	6 No. Sonakhali	Hogol	Left	300.00	100.00 mtr. is restored & 100.00 mtr. are to be restored shortly if fund permit*** Approx. Amount Rs. 2.50 Lakhs
103	7 No. Sonakhali	Hogol	Left	200.00	200.00 mtr. are to be restored shortly if fund permit*** Approx. Amount Rs. 5.00 Lakhs
104	Parbotipur	Bidya	Left	250.00	250.00 mtr. is restored & 150.00 mtr. are to be restored shortly if fund permit*** Approx. Amount Rs. 3.50 Lakhs

Vulnerable Embankment in Joynagar (I) Division						
<i>Sl. No.</i>	<i>Name of the Irrigation Division</i>	<i>Name of the Block</i>	<i>Total length of embankments (in Km)</i>	<i>Total vulnerable Embankments (in Km)</i>	<i>Total length of Embankments restored in the previous year (2017-18) (in Km)</i>	<i>Total length of Embankments to be restored (2018-19) (in Km)</i>
1	Joynagar Irrigation Division	Basanti	207	22.35	5.3	4.32
2		Canning-I	58.425	1.9	0.2	0.75
3		Canning-II	43.16	1.4	0.2	0
4		Gosaba	372.5	22.25	7.8	16.55
5		Joynagar - II	12	3.59	1.4	0
6		Kultali	242	13.8	3.5	2.872
7		Patharpratima	254.16	6.84	3	3
8		Mathurapur - II	226.08	13.5	1.7	0.475
9		Mathurapur - I	24	0.6	0	0
		Total =	1439.33	86.21	23.1	27.967

VULNERABLE POINTS UNDER KAKDWIP IRRIGATION DIVISION

Sl. No.	Mouza	Block	River	Length of Damage	Tentative cost of restoration (in lakh)
1	Gobindapur Abad	Patharpratima	Curzon Creek	400 metre	240
2	Gobindapur Abad	Patharpratima	Curzon Creek	300 metre	180
3	Kusumtala (W)	Namkhana	Muriganga	700	45.00
4	Mousuni(W)	Namkhana	Muriganga	500	35.00
5	Kusumtala (W)	Namkhana	Muriganga	400	35.00
6	Mousuni(E)	Namkhana	Chanerganj	300	10.00
7	Bagdanga (E)	Namkhana	Chanerganj	200	7.00
8	Baliara (E)	Namkhana	Chanerganj	400	10.00
9	Patibunia	Namkhana	Chanerganj	500.00	16.00
10	Patibunia	Namkhana	Bay of Bengal	250.00	25.00
11	Patibunia	Namkhana	Bay of Bengal	400.00	15.00
12	Rajnagar	Namkhana	Chenargang	500.00	15.00
13	Uttar Narayanganj	Namkhana	Muriganga	150.00	3.70
14	Uttar Narayanganj	Namkhana	Muriganga	100.00	3.30
15	Uttar Narayanganj	Namkhana	Muriganga	150.00	3.70
16	Dariknagar	Namkhana	Hatania doania	200.00	4.00
17	Namkhana	Namkhana	Hatania doania	150.00	3.70
18	Dariknagar	Namkhana	Saptamukhi	150.00	4.30
19	Dk. Durgapur	Namkhana	Chenargang	150.00	3.70
20	Dariknagar	Namkhana	Hatania doania	150.00	1.90
21	Haripur	Namkhana	Saptamukhi	150.00	3.70
22	Haripur	Namkhana	Saptamukhi	200.00	4.00
23	Kachuberia	Sagar	Muriganga	270 M	20.00
24	Muriganga	Sagar	Muriganga	350 M.	31.50
25	Sumati Nagar	Sagar	Muriganga	650 M	45.00
26	Bankim Nagar	Sagar	Muriganga	1450 M	125.00
27	Dhablat	Sagar	Bay of Bengal	700 M.	65.00
28	Shibpur	Sagar	Bay of Bengal	1550 M.	160.00
29	Beguakhali	Sagar	Bay of Bengal	250 M	20.00
30	Chemaguri (Brick Block Pit)	Sagar	Muriganga	100 M	45.00
31	Bamun Khali	Sagar	Hoogly	350 M	35.00
32	Sapkali	Sagar	Hoogly	600 M	42.00
33	Ghoramara	Sagar	Hoogly & Murigang	950 M	50.00
34	Krishna Nagar	Sagar	Phuldubi	150 M	12.00
35	Chakphuldubi	Sagar	Phuldubi	100 M	6.50
36	Harinbari	Sagar	harinbari Khal	150 M	10.00
37	Bahir Plot	Sagar	Hoogly	200 M	15.00
				Total =	1351.00

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21/02/18

Executive Engineer,
Kakdwip Irrigation Division.

PROGRESS REPORT OF WORKS UNDER PLAN HEAD UNDER KAKDWIP (I) DIV/N AS ON 19.02.2018

Sl. No.	Name of work	Name of Agency	Head of A/C & Reference of Administrative Approval	Scheme ID No / Code No	Administratively approved amount (Rs. In lakh)	Amount put to tender & Tendered Amount (Rs. In lakh)	Date of commencement as per work order & Date of completion as per work order	Up-to date Physical progress	Remarks
1	2	3	4	5	6	7	8		13
1	Construction of single vent H.P. sluice at mouza Bagdanga(W) in Namkhana block under Mousuni (I) sub dn. of Kakdwip (I) Division	Saktipada Kayal	13 FC / 299 - IFC dt. 02.12.2014	C/KI/14/14-15	55.00	53.35 / 54.95	05.06.2015 / 04.10.2015	85%	Paid from savings of A/KI/128/14-15
2	Raising & Strengthening of Sundarban Embankment for a length of 500 m. by providing 25 cm thick brick block pitching from ch. 1.50 Km & ch. 2.00 Km including construction of 2 no. spurs at Mouza Gobardhanpur facing Bay of Bengal in Block & PS Patharpratima, Dist South 24 Pgs.	New Sun Construction	Core State Plan /345(3) - IB dt. 22.01.2016	IW/CSP-167/2015-16	287.61	278.00 / 204.63	26.02.2016 / 25.06.2016	100%	Work Completed
3	Raising & strengthening of Sundarban Embankment by providing 25 cm thick brick block pitching from ch. 5.800 Km to Ch. 6.400 km. at mouza Indrapur facing river Saptamukhi in block Patharpratima, PS Gobardhanpur Coastal, District South 24 Parganas.	Tapan Kumar Saha	RIDF XXII / 170(5)-IB/IW/P/IB- RIDF-XXII-09/2016-17 dt. 05.09.2016	PIC No. 20161000000000 01150	399.45	387.27 / 387.04	12.12.2016 / 11.06.2017	70%	Progress hampered due to tidal season.
4	Raising & strengthening & improvement of Sundarban Embankment by 25 cm thick brick block pitching for a length of 1.330 km. at mouza Bankinnagar on the right bank of river Muriganga in block & PS Sagar, District South 24 Parganas.	Saktipada Kayal	Core State Plan / 256 - IB dt. 08.11.2016	IW/CSP-28/2016-17	638.61	616.63 / 431.70	26.12.2016 / 25.12.2017	70%	Progress hampered due to tidal season.
5	Raising & strengthening & improvement of Sundarban Embankment by 20 cm thick dry brick pitching for a length of 1200 m. from ch 8.900 km to ch 10.100 km facing river Chenargang at mouza Debnagar in block & PS Namkhana, District South 24 Parganas.	Pankaj Saha & Co	Core State Plan / 256 - IB dt. 08.11.2016	IW/CSP-29/2016-17	428.35	414.08 / 302.40	26.12.2016 / 25.12.2017	65%	Progress hampered due to tidal season.
6	Construction of ring bundh of Sundarban embankment for a length of 750.00 m. (from ch. 3.000 km. to ch. 3.450 km. & 3.900 km. to 4.200 km.) by concrete block pitching at mouza Bagdanga (west) & Kusumtala (west) at the confluence of Muriganga & Bay of Bengal, block & PS Namkhana, Dist. South 24 Parganas.	Anada Ghosh	Core State Plan /345(3) - IB dt. 22.01.2016	IW/CSP-168/2015-16	610.99	582.66 / 615.64	13.02.2017 / 12.06.2017	60%	Progress hampered due to tidal season.
7	Anti erosion work by boulder spur in between ch. 2.580 km to 2.880 km at mouza Shibkalinagar (Khutiapara) block kakdwip district South 24 Parganas (Phase I).	Sujoy Krisna Jana	Core State Plan /335(3) - IB dt. 30.12.2016	IW/CSP-210/2016-17	393.37	298.17 / 212.15	20.03.2017 / 19.03.2018	40%	Progress hampered due to tidal season.
8	Raising & strengthening & improvement of Sundarban Embankment by providing concrete block pitching for a length of 450.00 m. at mouza Kusumtala(west) at the confluence of Bay of Bengal block & PS Namkhana, District South 24 Parganas (from ch. 3.450 km. to 3.900 km.).	Kartick Chandra Das	Core State Plan /335(3) - IB dt. 30.12.2016	IW/CSP-209/2016-17	386.07	357.88 / 321.62	20.03.2017 / 19.03.2018	55%	Progress hampered due to tidal season.
9	Raising, Strengthening & Improvement of Sundarban Embankment by providing 25 Cm thick brick block pitching for the length of 400 m at Mouza Ganeshnagar facing River Muriganga in Block Namkhana, P.S.- Kakdwip, Dist.- South 24 Parganas.	Sitaram Construction	Core State Plan/44-(IB) dt.03.05.2017	IW/CSP-44/2017-18	201.12	195.25/ 134.00	02.6.2017 / 02.02.2018	90%	Work almost completed.
10	Raising, Strengthening & Improvement of Sundarban Embankment by providing 25 cm thick brick block pitching for the length of 350 m at Mouza Ghoramara facing River Hoogly in Block & P.S.- Sagar, Dist. South 24 Parganas	Annapurna Construction	Core State Plan/44-(IB) dt.03.05.2017	IW/CSP-46/2017-18	99.67	96.76/ 75.79	03.07.2017/ 03.01.2018	30%	
11	Raising, Strengthening & improvement of Sundarban Embankment by providing concrete block pitching from Ch.14.50 Km to Ch.15.20 Km & Ch.16.30 Km to 17.00 for a length of 1400 m at Mouza Lakshmipur Abad facing Bay of Bengal in Block Nakhana, P.S.- Frezergang Coastal, Dist.- South 24 Parganas.	Sujoy Krishna Jana	Core State Plan/44-(IB) dt.03.05.2017	IW/CSP-43/2017-18	987.73	958.95/ 755.56	03.08.2017/ 03.05.2018	15%	Work hampered due to monsoon & tidal season
12	"Raising strengthening and improvement of Sundarban embankment by 20 cm thick dry brick pitching (170 m) and anti erosion work for a length of 2700 m from Ch.0.355 Km to Ch.0.525 Km, Ch.6.100 Km to Ch.6.500 Km to Ch.15.100 Km to Ch.19.900 Km, Ch.19.120 Km and Ch.21.050 Km to Ch.21.950 Km (Circuit A-C) in Mouza Sankheria, Bamannagar, Gangadharpur and Mrinalnagar facing river Banstala Ghugudanga, Chunpun, Banitala Khal and Gudakata in Block Kakdwip, P.S.-Kakdwip, District-South 24 Parganas"	M/S R.D. Construction	Core State Plan/209-(IB) dt.12.07.2017	IW/CSP-230/2017-18	145.04	140.81/ 70.40	21.11.2017/ 21.03.2018	30%	

13	"Raising strengthening and improvement of Sundarban embankment by 20 cm thick dry brick pitching (170 m) and anti erosion work for a length of 2700 m from Ch.0.355 Km to Ch.0.525 Km, Ch.6.100 Km to Ch.6.500 Km to Ch.15.100 Km to Ch.19.900 Km, Ch.19.120 Km and Ch.21.050 Km to Ch.21.950 Km (Circuit A-C) in Mouza Sankiberia, Bamannagar, Gangaddharpur and Minalnagar facing river Banstala Ghugudanga, Chunpun, Banitala Khal and Gudakata in Block Kakdwip, P.S.-Kakdwip, District-South 24 Parganas"	Haripada Kayal	Core State Plan/209-(IB) dt.12.07.2017	IW/CSP- 230/2017-18	145.04	140.81/ 70.40	21.11.2017/ 21.03.2018	60%	
14	Raising strengthening and improvement of Sundarban embankment by 25.00 cm thick brick block pitching for the length of 650.00 M from Ch.5.17 Km to Ch.5.80 Km at Mouza Narayanpur facing river Hantanin Doania in block Namkhana, P.S.-Kakdwip, Dist-South 24 Parganas" (2nd Tender to the 1st Tender No.WBIW/SE/EC/NIT-17(e)/2017-18, SI.No.5)	New Sun Construction	Core State Plan/209-(IB) dt.12.07.2017	IW/CSP- 229/2017-18	190.96	185.40/ 97.32	21.11.2017/ 21.03.2018	20%	
15	Raising strengthening and improvement of Sundarban embankment by 25.00 cm thick brick block pitching for the length of 650.00 M from Ch.5.17 Km to Ch.5.80 Km at Mouza Narayanpur facing river Hantanin Doania in block Namkhana, P.S.-Kakdwip, Dist-South 24 Parganas" (2nd Tender to the 1st Tender No.WBIW/SE/EC/NIT-17(e)/2017-18, SI.No.5)	M/S Saha Enterprise	Core State Plan/209-(IB) dt.12.07.2017	IW/CSP- 229/2017-18	190.96	185.40/ 97.32	21.11.2017/ 21.03.2018	20%	
16	Raising, strengthening & improvement of Sundarban Embankment by 25 cm thick brick block pitching for a length of 680.00 m from Ch.23.600 Km to Ch.24.280 Km at Mouza- Budakhali facing left bank of river Muriganga in Block-Namkhana, P.S.-Kakdwip, Dist.- South 24 Parganas".	Tapan Kumar Ghosh	Core State Plan/209-(IB) dt.12.07.2017	IW/CSP- 228/2017-18	305.71	296.80 / 229.54	21.11.2017/ 21.03.2018	15%	Work just started
17	"Raising Strengthening and Improvement of Sundarban embankment by providing 25.00 cm thick brick pitching for a length of 500.00 m from Ch.33.258 Km to Ch.33.758 at Mouza-Nadabhanga facing left bank of river Muriganga in Block Namkhana, P.S.-Kakdwip, Dist.- South 24 Parganas".	Tapash Kumar Maji	Deposit Work (Sundarban Development Board)		241.83	234.79 / 234.75	01.02.2018 / 01.07.2018	20%	Work just started
	"Raising Strengthening and Improvement of Sundarban embankment by providing 25.00 cm thick brick pitching for a length of 500.00 m from Ch.33.258 Km to Ch.33.758 at Mouza-Nadabhanga facing left bank of river Muriganga in Block Namkhana, P.S.-Kakdwip, Dist.- South 24 Parganas".	M/S Dey Construction	Deposit Work (Sundarban Development Board)		241.83	234.79 / 117.37	01.02.2018 / 01.07.2018	20%	
18	"Raising & strengthening & improvement of Sundarban Embankment by providing 25.00 Cm thick brick pitching from Ch.0.800 Km to Ch.1.1200 Km in Mouza Uttarchandranagar facing left bank of river Hooghly, Block- Kakdwip, P.S.- Kakdwip, Dist.- South 24 Parganas".	M/S Badal Kumar Ghosh	Deposit Work (Sundarban Development Board)		199.06	193.27 / 192.28	29.01.2018 / 29.07.2018		Work not started
19	"Raising, strengthening & improvement of Sundarban Embankment by providing 25 cm thick brick pitching for the length of 600.00 M from Ch.27.20 Km to 27.60 Km and Ch.26.700 to Ch.26.900 at Mouza-Rajnagar facing left bank of river Muriganga in Block-Namkhana, P.S.-Kakdwip District- South 24 Parganas."	Sanjib Singha Roy	Deposit Work (Sundarban Development Board)		289.44	281.00 / 259.13	02.02.2018 / 02.08.2018		Work just started
20	"Raising, strengthening & improvement of Sundarban Embankment by providing 25 Cm thick brick pitching for a length of 350 m from Ch.24.280 Km to 24.630 Km at mouza Budakhali facing left bank of river Muriganga in Block-Namkhana, P.S.-Kakdwip, Dist- South 24 Parganas."	Sanjib Singha Roy	Deposit Work (Sundarban Development Board)		170.81	165.84 / 154.58	02.02.2018 / 27.07.2018		Work just started

Executive Engineer,
Kakdwip Irrigation Division.

DAMAGED REPORT UNDER CANALS DIVISION FOR 2018									
Sl. No.	Name of Block	Name of River/Channel/Canal	Location (Mouza, Village etc.)	Nature & extent of damages					Cost of Restoration (Rs. In Lakhs)
				Breach	Severely/Partly damaged	Damages to protective work	Slip/bank erosion	Sluice	
1	Falta	Hooghly	SEZ	Nil	Partly	Nil	Nil	Nil	2.91
2	Diamond Harbour	Hooghly	Diamond Harbour Ferry Ghat	Nil	Partly	Nil	Nil	Nil	2.87
3	Diamond Harbour	Hooghly	Diamond Harbour Civil SD Office	Nil	Partly	Nil	Nil	Nil	1.50
4	Diamond Harbour	Hooghly	Diamond Harbour Near WTP	Nil	Partly	Nil	Nil	Nil	4.85
5	Diamond Harbour	Hooghly	Diamond Harbour Ferry Ghat	Nil	Partly	Nil	Nil	Nil	4.8
6	Budge Budge-I	Hooghly	Offtake point of Charial Canal	Nil	-	Nil	Nil	Sluice	2.83
7	Budge Budge-I	Hooghly	Charial	Nil	-	Nil	Nil	Sluice	2.60
8	Budge Budge-II	Hooghly	Baratala Sluice	Nil	-	Nil	Nil	Sluice	3.86
9	Moheshtala Municipality	Hooghly	Akra Fatak	Nil	Partly	Nil	Nil	Nil	4.77
10	Budge Budge-I	Hooghly	Budge Budge Municipality Kabar Sthan	Nil	-	Nil	Nil	Sluice	2.83
11	Budge Budge-I	Hooghly	Budge Budge Municipality Near jaychandipur	Nil	-	Nil	Nil	Sluice	3.37
12	KMC Ward 141	Hooghly	Kanchantala (Adi Kali Mandir)	Nil	Partly	Nil	Nil	Nil	4.47
13	Diamond Harbour Municipality	Hooghly	Diamond Harbour Fishery Bunglow	Nil	Partly	Nil	Nil	Nil	1.07
14	KMC ward 141	Hooghly	Vevekananda Sishu Uddan	Nil	Partly	Nil	Nil	Nil	4.72
15	Budge Budge-II	Hooghly	Rajarampur Near Mansatala	Nil	100 M	Nil	Nil	Nil	7.0
16	Budge Budge-II	Hooghly	Burul Near Bridhasram & Nankar (Burul) Sluice	Nil	80 M	Nil	Nil	Sluice	6.0
17	Budge Budge-II	Hooghly	Naldari Near Naldari Kheyaghat	Nil	50 M	Nil	Nil	Nil	4.0
18	Budge Budge-II	Hooghly	Bahirkunja Near Bahirkunja Sluice	Nil	-	Nil	Nil	Sluice	4.0

Existing Flood Shelters & Relief Go Downs, South 24 Parganas**Flood Shelters**

<i>Block</i>	<i>Sub Division</i>	<i>Mouza</i>	<i>No. of Flood Shelter</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Present condition</i>
Basanti	Canning	Charavidya	1	22°21'81" N	88°48'460" E	Moderate
Gosaba	Canning	Kumirmari	1	22°20' N	88°91' E	To be repaired
do	do	Amlamati	1	22°07' N	88°72' E	To be repaired
Kultali	Baruipur	Binodepur	1	21°88'963" N	88°54'582" E	Good
do	do	Kantamari	1			As per B.D.M.O's report there is no Flood Shelter
Joynagar-II	Baruipur	Chuprihora	1	22°00'680" N	88°52'37" E	Damaged
Patharprotima	Kakdwip	Ramganga	1	21°66' N	88°44' E	B.D.O Office
do	do	Shridharnagat	1	21°664' N	88°404' E	Damaged
do	do	Buroburir tot	1	21°63' N	88°30' E	Moderate
Kakdwip	Kakdwip	Chandipur	1	21°55'07.4"N	88°14'27.3"E	Vulnerable & Estimate for renovation was received from Block
do	do	Suryanagar	1	21°56'39.8"N	88°11'16.7"E	Diapilated & Estimate for renovation was received from Block
Kakdwip	do	Gangadharpur	1	21°50'34.8"N	88°18'13.7"E	Diapilated & Estimate for renovation was received from Block
Namkhana	Kakdwip	Amarabati	1	21°45'58"N	88°13'57"E	Diapilated & Estimate for renovation was received from Block
do	do	Nayanpur	1	21°46'44"N	88°15'11"E	Diapilated & Estimate for renovation was received from Block
do	do	Baliara	1	21°40'18"N	88°12'3"E	Diapilated & Estimate for renovation was received from Block
do	do	Mousumi	1	21°39'48"N	88°13'05"E	Diapilated & Estimate for renovation was received from Block
Sagar	Kakdwip	Harinbari	1	21°73'567"N	88°10'474"E	Good
do	do	Kachuberia	1	21°85'113"N	88°13'91"E	Good
do	do	Ghoramara	1	21°91'532"N	88°13'06"E	Moderate
do	do	Gangasagar	1	21°64'103"N	88°08'504"E	Good
Mathurapur-II	Diamond Harbour	Nagendrapur	1	21°55'34"N	88°29'03"E	Diapilated
Canning-II	Canning	Moukhali	1	22°35'247"N	88°68'5310"E	Good
Kulpi	Diamond Harbour	Kulpi	1	22°08'213"N	88°23'5055"E	Good

Relief Go Downs

Sl. No.	District	Sub-Division	Block	Latitude (N)	Longitude (E)
1	South 24-Parganas	Canning	Canning-I	22.18156	88.40446
2	South 24-Parganas	Canning	Gosaba	22.09'43.2"	88.47'55.0"
3	South 24-Parganas	Kakdwip	Kakdwip	21.54'35"	88.11.24.1"
4	South 24-Parganas	Kakdwip	Namkhana	21'44'49"	88.14'15"
5	South 24-Parganas	Kakdwip	Sagar	21.41'435"	88.07.46"
6	South 24-Parganas	Kakdwip	Patharpratima	21.66'	88.43'
7	South 24-Parganas	D/Harbour	Kulpi	22.08'113"	88.24'4418
8	South 24-Parganas	Sadar	Bishnupur-I	22.44'	88.298"
9	South 24-Parganas	Kakdwip	Patharpratima	21.66'	88.43'
10	South 24-Parganas	Diamond Harbour	Diamond Harbour-I	22.19038	88.19021
11	South 24-Parganas	Baruipur	Joynagar-I	22"11"55	88"26"13
12	South 24-Parganas	Baruipur	Joynagar-II	22"15332021	88'4416912

List of completed & handed over to the concerned BDOs of 15 nos. of Multipurpose Cyclone Shelter under Prime Minister National Relief Fund , South 24 Parganas

<i>Sl. No.</i>	<i>Name of the Block</i>	<i>Name of G.P</i>	<i>Name of Mouza</i>	<i>Exact Location</i>	<i>Capacity (person)</i>	<i>Area (Sq. metre)</i>
1	Basanti	Basanti	Basanti	Basanti High School	700	457.44
2	Basanti	R. C Khali	R. C Khali	R.C Khali Narendranath High School	2000	857.87
3	Gosaba	Amtali	Chimta Maukhali	Moukhali F.P.	2000	857.87
4	Gosaba	Bally-II	Bally	Bally High School	2000	857.87
5	Kultali	Deulbari Debipur	Gopalgunj	Gopalgunj BKRM School	700	457.44
6	Kakdwip	Swami Vivekananda	Kakdwip	Sundarban Ramkrishna Ashram Nursery & K.G. School	2000	857.87
7	Namkhana	Narayan pur	Nadabhanga	Naboday SSK	2000	857.87
8	Namkhana	Mousuni	Mousuni	Mousuni First Gheri F.P. School	2000	857.87
9	Namkhana	Haripur	Haripur	Haripur Gadadhar Vidyapith	2000	857.87
10	Sagar	Muriganga-II	Bamankhali	Bamankhali MP High School	2000	857.87
11	Sagar	D/Sumatinagar-II	Mritunjoy Nagar	Mrityunjoynagar F.P. School	2000	857.87
12	Sagar	Dhablat	Purusattampur	Dhablat Laxman Parabesh School	2000	857.87
13	Pathar Pratima	Laxmijanardanpur	Pb. Dwarakapur	Pb. Dwarikapur Pragati Siksha Niketan	2000	857.87
14	Pathar Pratima	Herambagopalpur	Kuemuri	Govt. 283 ICDS Centre	2000	857.87
15	Pathar Pratima	Achintyanagar	Pb. Sripatinagar	Ps. Sripatinagar H.S. School	700	457.44

List of 25 nos. of Multipurpose Cyclone Shelter under Integrated Coastal Zone Management Project (ICZMP), South 24 Parganas

<i>Sl. No.</i>	<i>Name of Block</i>	<i>Name of G.P</i>	<i>Name of Mouza</i>	<i>To be used for community purpose</i>
1	Patharpratima	Laxmijanardanpur	Laxmijanardanpur	Laxmijanardanpur High School
2	Patharpratima	Ramganga	Dk. Shibpur	Devichak Veterinary Ground
3	Patharpratima	G-Plot	Indrapur	Indrapur Free Primary School
4	Patharpratima	G-Plot	Daspur	Daspur Upper Primary School
5	Patharpratima	Banshyamnagar	Gangapur	Gangapur Free Primary School
6	Gosaba	Kumirmari	Kumirmari	Safakachhari N.C.Memo. F.P. School
7	Gosaba	C.M.khali	Kalidharpur	Gobindapur Jr.High School
8	Gosaba	Chotomollakhali	Chotomollakhali	Mangalchandra Prathamik Vidyalay
9	Gosaba	Sambhunagar	Sambhunagar	Sambhunagar High School
10	Gosaba	Pathankhali	Pathankhali	Pathankhali Hazi Desharat College
11	Gosaba	Lahiripur	Lahiripur	Santigachi High School
12	Gosaba	Rangabelia	Rangabelia High School	Rangabelia High School
13	Sagar	Gangasagar	Bishnupur	Bishnupur Khagendranath Balkrishna Vidhyapith
14	Sagar	Dhaspara Sumatinagar-II	Sumatinagar	Sumatinagar Sarat Kumari High School
15	Sagar	Ramkarchar	Krishnanagar	Krishnanagar High School
16	Sagar	Ghoramara	Khashimara	Khasimara Jr. Basic School
17	Sagar	Dhablat	Boatkhali	Dhablat R.K.G.N Free Primary School
18	Basanti	Nafargang	Birinchibari	Surendranath Balika Vidyalaya HS
19	Basanti	Masjitbati	Gad khali (Ramgopalpur)	Hiranmoypur Godhkhali Free Primary School
20	Basanti	Basanti	Purandar	Purandar Free Primary School
21	Basanti	Uttarmokamberia	Harbhangi	Harbhangi Free Primary School
22	Basanti	Chunakhali	Chunakhali	Chunakhali Hatkhola Upper Primary School
23	Namkhana	Narayan pur	Iswaripur	Iwaripur Free Primary School
24	Namkhana	Frezerganj	Debnibas	Near Debnibas Sub- Center field
25	Namkhana	Budakhali	Rajnagar	Rajnagar Srinathgram Jr. Basic School

Work completion Status of MPCS under ICZMP at a glance

Sl. No.	Name of the Block along with nos. of site	Site completed more than 90%	Site completed between 80% to 90%
1	Patharpratima (5)	1	4
2	Gosaba (7)	2	5
3	Sagar (5)	4	1
4	Basanti (5)	4	1
5	Namkhana (3)	2	0
	Total	13	11

Synopsis of Multipurpose Cyclone Shelter under National Cyclone Risk Mitigation Project (NCRMP) (75 Nos.) , South 24 Parganas

<i>Sl. No.</i>	<i>Name of the Block</i>	<i>Total Proposal</i>
1	Kakdwip	9
2	Sagar	10
3	Basanti	12
4	Gosaba	10
5	Patharpratima	12
6	Namkhana	10
7	Kultali	7
8	Math-II	5
Total		75
N.B: Work order issued to 64 sites to the Bridge & Roof Co. Ltd and 11 nos. to Bil Infratech Ltd. from the Department of Disaster Management vide Memo No. 14/SPIU/District Magistrate/NCRMP/-II/16 dt. 08-02-2016. The Construction work of 54 nos. MPCs out of 75 nos. have been started and remaining will be started shortly		

**Block wise status of construction of Multipurpose Cyclone Shelter under National Cyclone Risk Mitigation Project (NCRMP) 75 Nos.
(As on 31-05-2018)**

Sl. No.	Name of the Block	No. of MPCs site	% of construction completed (average)
1	Kakdwip	9	84%
2	Sagar	10	84%
3	Basanti	12	83%
4	Gosaba	10	87%
5	Patharpratima	12	79%
6	Namkhana	10	86%
7	Kultali	7	81%
8	Math-II	5	90%
Total		75	84%

ANNEXURE:

***Contact Details Of DDMA,
Disaster Management Dept. and
Associated Stakeholders***

District Disaster Management Committee

The District Disaster Management Committee has been formed under the Chairmanship of the District Magistrate to evaluate the Disaster Preparedness for different types of disasters that may occur at different times of the year that may occur. The District Magistrate is the Executive Chairman of the Committee. This Committee takes stock of the situation, monitors routine preparedness, suggests improving response mechanism and develops a document for disaster management in the District. It has been decided that the committee shall sit at least twice in a year for the above purpose. The Committee members are as follows:

Sl. no.	FUNCTIONARIES	DESIGNATION	Phone No.	
			Office	Residence/ Mobile
1	The District Magistrate	Chairman	2479-3713/1469	9434770000 9674297555
2	The Sabhadhipati, Zilla Parishad	Co-Chairman	2479-1738	9830922828
3	The Senior Superintendent of Police	Member	2479-3333	9474544444
4	The Superintendent of Police, Baruipur	Member	033-2433-0010	9051979040
5	The Superintendent of Police, Diamond Harbour	Member	2480-1611 (O) 2395-2244 (R)	9674722000
6	The Superintendent of Police, Sundarban	Member	03210 – 255701	9734234363
7	The Additional District Magistrate (General) ADM-in-Charge (Disaster Management)	Member Secretary	24791694 24791469	8697719555
8	The Additional District Magistrate (Dev)	Member	2479-1233,	8334972555
9	The Project Director DRDC	Do	2479-2242/0201	9830011225
10	The Additional District Magistrate (A.E.O.), ZP	Do	2479-1096	9836818555
11	The Additional District Magistrate (L.R.)	Do	2479-2196	9836819555
12	The Additional District Magistrate (L.A.)	Do	2479-1215	9836632555
13	The PD, DRDC	Do	2479-0201, 2479-2242, 24501352	9830011225
14	The Sub-Divisional Officer, Sadar	Do	2439-9829/ 2479-1681/2131	9836636555 9433021681
15	The Sub-Divisional Officer, Diamond Harbour	Do	03174-255-222	9434755222
16	The Sub-Divisional Officer, Baruipur	Do	2433-8579	8335079071
17	The Sub-Divisional Officer, Kakdwip	Do	03210-255-200	8335079074
18	The Sub-Divisional Officer, Canning	Do	03218-255-340	9434743004
19	The Chief Medical Officer, Health, South 24 Parganas /Diamond Harbour	Do	2473-0294 2473-1039	8478872637 9830612406
20	The Karmadhakshya, Sishu-O-Nari Unnayan,	Do	2439-1385	9748444580

	Janakalyan-O-Tran S.S., Zilla Parishad			
21	Member Secretary, Sundarban Development Board	Do	2337-4252 2337-1052	9433077172 9830727929
22	The Director, Sundarban Biosphere	Do	2321-1750	9830175198
23	The A.D.C, Civil Defence, South 24-Parganas	Do	2479-1084	7044090486
24	The Officer-in-Charge, District Disaster Management Dept.	Do	2439-9247	8017119792 9831616802
25	The District Planning Officer	Do	2479-1450	8334866882
26	The District Controller of Food & Supplies	Do	2479-5882	8276848229
27	The Dy. Director Agriculture (Admin)	Do	2479-3844	9434423431
28	The Deputy Director (ARD), South 24-Parganas	Do	2479-8901 2479-4755	7604010032
29	The District Veterinary Officer	Do	2479-8901	9434961139
30	The Divisional Forest Officer, South 24 Parganas	Do	2479-9032	9433010981
31	The Assistant Director of Fisheries, South 24-Parganas	Do	2479-2339	9051058174
32	The Assistant Director of Fisheries (Marine), Diamond Harbour, South 24-Parganas	Do	03174-255236	9474505218
33	The District Engineer, Z.P.	Do	2439-8017	8335056461
34	The Circle Manager, (WBSEDCL), Baruipur, South 24 Parganas	Do	2423-0340/0342	9836566310 7449304040
35	The Executive Engineer, P.H.E. (Civil), Alipore Division, 45, G.C. Avenue, Kolkata - 13	Do	2236-5489	9609127235
36	The Assistant Engineer, Chetla C.I.T. Market, Kolkata- 27 (PWD)	Do	2479-1609	9433124798
37	The Executive Engineer, Kakdwip Irrigation Division	Do	03210-255122	9831101505
38	The Executive Engineer, Jaynagar Irrigation Division	Do	2252-2887	9874863405
39	The Executive Engineer, Canal Division	Do	2358-6035	Canal 1: 9748153043 Canal 2: 9433879282
40	The Executive Engineer, Suburban Drainage Division	Do	2359-7521	9477094832
41	The Executive Engineer, P.W.D. Roads, Diamond Harbour Highway Division, Diamond Harbour	Do	03174-255-294	9874462649 9433151580
42	The Executive Engineer, 24-Parganas Highway Division, Bhawani Bhaban, Kolkata -27 PWD (ROADS).	Do	2439-8387	9434239972
43	The Executive Engineer (P.W.D. Roads), Diamond Harbour, (Divn)	Do	03174-255-294	9874462649
44	The Regional Manager, (WBSEDCL), South 24 Parganas Division	Do	2423-0340	9830550193
45	The Executive Engineer (Elec.), South Kolkata Health Electrical Division, , Kolkata-23.	Do	2449-1391	8902213306
46	District Information & Cultural Officer, South 24-Parganas	Do	2479-3585	9433022050
47	Technical Secretary to Chief General Manager, Kolkata Telephones, 135A, B.R.B. Road, Kolkata -1	Do	2242-/5000 2230-8020	9432000935
48	The Director (Principal) of Fire Services. 13B Mirza Ghalib Street.	Do	2252-1165/8103	9836988747
49	The Director of Meteorological Centre, Alipore	Do	2479-3167	9433836994 9836213781

District Disaster Management Control Room Details:

Land Line & Fax No. 033-2439-9247

Email ID: south.24pgs.relief@gmail.com

List of important phone nos. of the District

Sl. No.	Designation	Office Phone No.	Mobile No.
1.	Dy. DLLRO	2479-1955	9531639695
2.	Secretary, Zilla Parishad	2439-8016, 24501407	9433905204
3.	Spl. LAO	2479-0182, 2448-3945, 2448-3946, 24501339	9474347905
4.	Sr.D.C, Alipore	2439-9248, 24501324	9434881509
5.	RTO, Alipore	2479-1943, 24501368	8420127741 9831381544
6.	O/C, Election	2479-1049, 24501315	9007327777
7.	DPRDO	2479-1011, 24501327	9002477223
8.	ADC, Civil Defence	2479-1084, 2479-1113, 24501383	7044090486
9.	O/C, Judicial Munshikhana	2479-1451, 24501319	9836865663
10.	NDC, Dy. Magistrate, Alipore	2479-1681, 24501371	9836637555
11.	OC, Pool	2448-3086.	9836637555
12.	Dy. Secretary, Zilla Parishad	2479-0182, 2448-3945, 2448-3946, 24501408	9433251399 8335054562
13.	Dist.Manager, SC/ST Fin.Corp.	2479-2067, 24501344,	7872887700
14.	District Informatics Officer, NIC	2479-6530, 24501378	9874189291
15.	Dist.Planning Officer	2479-1450, 24501380	8334866882
16.	Dist.Youth Officer	2464-4112, 24501355	8900256623 9836627272
17.	Dist. Social Welfare Officer	2446-7362, 24501356	9674611607
18.	PO cum DWO	2479-1205, 24501342	9830149353
19.	District Programme Officer, Sarba Shiksha Mission	2439-8436, 24501396	9433444373
20.	District Project Officer, ICDS	2448-7362,	9073375625
21.	District Inspector of Schools (SE)	2479-7868	9831102936
22.	District Inspector of Schools (PE)	2479-0622	9477556322

CONTACT NUMBER OF BLOCK DEVELOPMENT OFFICERS

Designation with email	Office Phone No.	Fax No.	Mobile No(s).
B.D.O. Canning –I bdocng12011@gmail.com	03218-255205	03218-255205	8335079054
B.D.O. Canning –II canning2devblock@gmail.com	03218-265073	03218-265073	8335079055
B.D.O. Basanti basantibdo@gmail.com	03218-232231	03218-232231	9434770800 8335079056
B.D.O. Gosaba bdo@bdogosaba.in	03218-236566	03218-236566	8335079057
B.D.O. Diamond Harbour –I bdodiamond1@gmail.com	03174-255219	03174-255219	8335079058
B.D.O. Diamond Harbour –II bdodh2@gmail.com	03174-244224	03174-244224	8335079059
B.D.O. Falta bdo_falta@yahoo.co.in	03174-225318	03174-225318	9830349772 8371905054 8335079066
B.D.O. Magrahat –I bdomagrahat1@gmail.com	03174 251051	03174 250209	8116281980 8335079060
B.D.O. Magrahat –II mag2bdo@gmail.com	03174-252235	03174-252235	8335079061
B.D.O. Kulpi bdokulpi1@gmail.com	03174-266241	03174-266241	9434647274 8335079065
B.D.O. Mathurapur –I bdomathurapur1@gmail.com	03218-224537	03218-224537	9434010040 8335079062
B.D.O. Mathurapur –II bdomathurapur2@gmail.com	03174-262403	03174-262403	8335079063
B.D.O. Mandirbazar bdomandirbazar@gmail.com	03174-260236	03174-260236	9476184168 8335079064
B.D.O. Kakdwip bdo.kakdwip@gmail.com	03210-255110	03210-255110	8335079067
B.D.O. Namkhana bdonamkhana@gmail.com	03210-226182	03210-226182	8335079068
B.D.O. Pratharpratima patharpratimablock@gmail.com	-	-	8335079069
B.D.O. Sagar bdo_sagar_2009@yahoo.in	03210-242573	03210-242573	8335079070
B.D.O. Bishnupur –I bdobishnupurone@gmail.com	033-24809690	033-24809690	9734020632 8335079042
B.D.O. Bishnupur –II bdo.bishnupur2@gmail.com	033-24958111	033-24958111	8335079043
B.D.O. Budge Budge –I bdobudgebudge1@gmail.com	033-24821697	033-24827757	9831415111 8335079052
B.D.O. Budge Budge –II bdo.budgebudge.2@gmail.com	033-24806546	033-24700111	7686031780 8335079044
B.D.O. Thakurpukur Maheshkala bdothakurpukur@gmail.com	033-24474144	033-24989688	9836750326 8335079045
B.D.O. Baruipur, bdobaruipur1@gmail.com	03218-2433-8221	03218-2433-8221	9434770100 8335079047
(On probtion as) B.D.O. Joynagar –I, joy1bdo@gmail.com	03218-223700	03218-223700	9735897658

B.D.O. Joynagar –II, bdojoynagar2@gmail.com	03218-226006	03218-24338221	9831073967 8335079053
B.D.O. Bhangore –I, bdo.bh1.2016@gmail.com	03218-270221	03218-270221	8335079049
B.D.O. Bhangore –II, bdo.bh2@gmail.com	03218-270215 and 03218-270795	03218-270215 and 03218-270795	8335079050
B.D.O. Kultali bdokultali@yahoo.in and bdokultali@gmail.com	03218-248111	03218-248111	9434757714
B.D.O. Sonarpur bdosonarpur@gmail.com	033-24779488	0332477-9488	9477345088

Contact Details of Municipality, South 24 Parganas		
Chairman, Baruipur Municipality	P.O. Baruipur, Dist: South 24-Parganas. Pin -700144	Phone: 2433-8201 Fax: 2433-0980 E-mail: barui_07@yahoo.com
Chairman, Budge Budge Municipality	71, Mahatma Gandhi Road, Budge Budge, South 24-Parganas, Pin - 700137	Phone: 2470-1224, 2470-1885 Fax: 2470-1540 E-mail: executiveofficer.bbm@gmail.com , chairperson@budgebudgemunicipality.org , chairmanbbm@gmail.com
Chairman, Diamond Harbour Municipality	Diamond Harbour Main Road, P.O.- Diamond Harbour, Dist: South 24-Parganas, Pin- 743331	Phone (Chairman): 03174-255346 Phone (EO): 03174-257099 Fax: 03174-255257 E-mail: dh.municipality@gmail.com
Chairman, Joynagar Majilpur Municipality	P.O. Joynagar Majilpur, Dist: South 24-Parganas, Pin - 743337	Phone: 03218-220210 Fax: 03218-221044 E-mail: municipality.joynagarmozilpur@gmail.com
Chairman, Maheshtala Municipality	P.O.- Maheshtala, Dist. South 24-Parganas, Pin – 700 141	Phone: 2490-1651, 2490-3389 Fax: 2490-9296 E-mail: maheshtalamunicipality@gmail.com
Chairman, Pujali Municipality	P.O. - P. Nischintapur, P.S. - Budge Budge, Kolkata – 700 138	Phone (Chairman): 2482-0252, 2482-7646 Phone (EO): 2482-2267 Fax: 2482-7677/7646/0252 E-mail: pujalimunicipality@yahoo.co.in
Chairman, Rajpur Sonarpur Municipality	P.O.- Harinavi, South 24-Parganas, Kolkata-700148	Phone (Chairman): 2477-5208 Phone (EO): 2477-9245 Fax: 2477-7996, 2427-1534 E-mail: rsmunicipality_148@rediffmail.com rajpursonarpurmunicipality@yahoo.co.in , rsm@rajpursonarpurmunicipality.org

Contact details of DP, DDMO, SDDMOs and BDMOs of this district

Disaster Professional, South 24 Parganas: Sri Sumanta Das: 8777432869

DDMO , South 24 Parganas: Sri Krishna PadaRaptan : 9874949330

Sl. No.	Sub-division	Name of SDDMO's	Name of the Block	Name of BDMO's	Mobile No
1	Sadar	Rabindranath Gayen (9474170491)	Bishnupur-I	Ranjit Mitra	9051641425 7685914045
2			Bishnupur-II	Sajal Das. IDO. BDMO In Charge	7278756424
3			Budge Budge-I	Tanmay Pramanik	9735279029
4			Budge Budge-II	Sankar Maity	9474085153
5			Thakurpukur Maheshtala	Vacant	
6	Diamond Harbour	Niranjan Mondal (8016230135)	Diamond Harbour-I	Vacant	
7			Diamond Harbour-II	Argha Ghosh	9775080091
8			Falta	Abhishek Dey	9163936606
9			Kulpi	Amlan Dutta	9231330012
10			Magrahat-I	Abhik Samanta	8116445593
11			Magrahat-II	Subhrajit Chakraborty	9831504251
12			Mandirbazar	Sanjoy Mitra	9007840878
13			Mathurapur-I	Ram Prakrash Dey	9748320364
14			Mathurapur-II	Pranab Mondal	9804593692
15	Canning	Madhumita Mondal (8617261646)	Basanti	Sital Maity	9153572121
16			Canning-I	Mousam Sarkar	9874842556
17			Canning-II	Suman Chatterjee	8335086977
18			Gosaba	Pradip kr Dalui	9874273711
19	Kakdwip	Jayanta Chakraborty (9831056542)	Kakdwip	Joy Bose	9831778838
20			Namkhana	Abdur Rashid	7797419114
21			Patharpratima	Jitendra Daw	8961260459 7003530932
22			Sagar	Rupan Bose	7585089796
23	Baruipur	Sumitra Sen (9433932252)	Baruipur	Biswanath Paul	9830747017
24			Bhangore-I	Soumya Kanti Nanda	9477367153
25			Bhangore-II	Biplab Biswas	9836668728
26			Joynagar-I	Subhra Dhar (Paul)	9433318745
27			Joynagar-II	Nandita Chakraborty	9903888014
28			Kultali	Sovan Mondal	9163281310
29			Sonarpur	Tapan Manna, BWO BDMO in Charge	9433801661

Other Important Contact Numbers

Designation	Address	Telephone, Fax & E-mail
Additional Chief Secretary, Department of Planning	Joint Administrative Building, HC-7, Sector-III, Bidhannagar, Kolkata – 700 106	Ph: 2321-1104 Fax: 2321-1252 E-mail: acs.devpl@nic.in
Additional Deputy Controller, Civil Defence, South 24-Parganas	New Administrative Building, 4 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-1084, 2479-1113
Additional District Magistrate (Development), South 24-Parganas		E-mail: admids24pgs@gmail.com
Additional District Magistrate (General), South 24-Parganas		E-mail: admgs24pgs@gmail.com, admgs24p@gmail.com
Additional District Magistrate (Land Acquisition), South 24-Parganas		E-mail: admlas24pgs@gmail.com
Additional District Magistrate (Land Reforms), South 24-Parganas		E-mail: admlrs24p@gmail.com
Additional Executive Officer, South 24-Parganas Zilla Parishad		Mobile: 90517023023 E-mail: aeoze-ali@nic.in, statcell.s24pgs@gmail.com
Additional District Magistrate, South 24-Parganas (Group E-mail)		admids24pgs@gmail.com, admgs24pgs@gmail.com, admlas24pgs@gmail.com, admlrs24p@gmail.com, aeoze-ali@nic.in, statcell.s24pgs@gmail.com
Additional Superintendent of Police (South Industrial), South 24-Parganas	Alipore, Kolkata – 700 027	Ph: 2479-1571 Mobile: 9874247562 E-mail: addlspsis24pgs@rediffmail.com
Agricultural Marketing Officer (Admn.), South 24-Parganas	P-5, C.I.T. Road, I.V. Scheme (5 th Floor), Kolkata – 700 014	Mobile: 9733545422 (Prabir Kumar Biswas) E-mail: amosouth@gmail.com
Area Manager, Bharat Sanchar Nigam Limited	Ranikuthi, Kolkata – 700 040	
Assistant Director of Fisheries, South 24-Parganas	6th Floor, New Treasury Building, Alipore, Kolkata – 700 027	Ph: 2479-2339 Mobile: 9433335970, 9051058174 E-mail: adfsouth24pgs@gmail.com
Assistant Director of Fisheries (Brackish Water), South 24-Parganas	Captain Bhery, Kolkata – 700 105	Ph: Mobile: 9933485669 E-mail: adf24pgsbw@gmail.com
Assistant Director of Fisheries (Marine), Diamond Harbour, South 24-Parganas	Puratan Bazar, Diamond Harbour, Pin – 743 331	Ph: 03174-255236 Mobile: 9732546294 E-mail: tbimalendu@gmail.com, adfmarine123@gmail.com

Designation	Address	Telephone, Fax & E-mail
Assistant Director, Bureau of Applied Economics & Statistics, South 24-Parganas	Madarat Road, Baruipur, opposite Nikon, Kolkata – 700 144	Fax: 2433-8324 Mobile: 9830361346 E-mail: bureaustat@gmail.com
Assistant Director, Cottage and Small Scale Industries, South 24- Parganas	Ukilpara, Baruipur, Kolkata – 700 144	
Assistant Director, Drug Control, South 24- Parganas	Ukilpara, Baruipur, Kolkata – 700 144	
Assistant Labour Commissioner, Alipore	6 Church Lane, 4 th Floor, Kolkata – 700 001	Telefax: 2231-7590 E-mail: alc.alipore@gmail.com
Assistant Registrar of Co-operative Societies, South 24-Parganas	New Administrative Building, 7th Floor, Alipore, Kolkata – 700 027	Ph: 2479-3862 Mobile: 9433248669 E-mail: coopsouth24parganas@gmail.com
Block Development Officer, Baruipur		Mobile: 9434770100 E-mail: bdobaruipur@gmail.com
Block Development Officer, Basanti		Mobile: 9434622477 E-mail: basantibdo@gmail.com
Block Development Officer, Bhangore-I		Mobile: 9830756050 E-mail: bhangore1.bdo@gmail.com
Block Development Officer, Bhangore-II		E-mail: bdo.bh2@gmail.com , Mobile: 9434770300
Block Development Officer, Bishnupur-I		Mobile: 9836255618 E-mail: bdobishnupurone@gmail.com , bishnupur1.2015@gmail.com
Block Development Officer, Bishnupur-II		Mobile: 9836309777 E-mail: bdo.bishnupur2@gmail.com , bdo.bishnupur2new@gmail.com
Block Development Officer, Budge Budge-I		Mobile: 9051983744 E-mail: bdobudgebudge1@gmail.com
Block Development Officer, Budge Budge-II		Mobile: 9476261633 E-mail: bdo.budgebudge.2@gmail.com bb2pge2013@gmail.com (PGE 2013 email)
Block Development Officer, Canning-I		Mobile: 9434770900 E-mail: bdocng12011@gmail.com , bdocng12014@gmail.com
Block Development Officer, Canning-II		Mobile: 9433931932 E-mail: canning2devblock@gmail.com
Block Development Officer, Diamond Harbour-I		Mobile: 9434771700 E-mail: bdodiamond1@gmail.com
Block Development Officer, Diamond Harbour-II		Mobile: 9434771800 E-mail: bdodh2@gmail.com
Block Development Officer, Falta		Mobile: 9874633070 E-mail: bdo_falta@yahoo.co.in
Block Development Officer, Gosaba		Mobile: 8926593951 E-mail: bdo@bdogosaba.in , bdo_gosaba@rediffmail.com , gosaba.bdo@gmail.com
Block Development Officer, Joynagar-I		Mobile: 9735897658 E-mail: bdojoy1@gmail.com
Block Development Officer, Joynagar-II		Mobile: 9434771200 E-mail: bdojoy2@gmail.com
Block Development Officer, Kakdwip		Mobile: 9433274661 E-mail: bdo.kakdwip@gmail.com

Designation	Address	Telephone, Fax & E-mail
Block Development Officer, Kulpi		Mobile: 9051929307 E-mail: bdokulpi1@gmail.com, wb.bio.kulpi@gmail.com
Block Development Officer, Kultali		Mobile: 9474757714 E-mail: bdokultali@yahoo.in
Block Development Officer, Magrahat-I		Mobile: 8116281980 E-mail: bdomagrahat1@gmail.com
Block Development Officer, Magrahat-II		E-mail: mag2bdo@gmail.com, mgtiibdo@gmail.com
Block Development Officer, Mandirbazar		Mobile: 9836556585 E-mail: bdomandirbazar@gmail.com
Block Development Officer, Mathurapur-I		Mobile: 9475909414 E-mail: bdomathurapur1@gmail.com
Block Development Officer, Mathurapur-II		Mobile: 9874120639 E-mail: bdomathurapur2@gmail.com
Block Development Officer, Namkhana		Mobile: 9831386888 E-mail: bdonamkhana@gmail.com, namkhana.bdo@gmail.com
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Director, West Bengal Renewable Energy Development Agency (WBREDA)	Bikalpa Shakti Bhavan, Plot No. J- 1/10, EP & GP Block, Sector – V, Salt Lake Electronics Complex, Kolkata - 700 091	Ph: 2357 5038, 5348 (Pbx) Fax: 2357 5347, 5037 E-mail: wbredakolkata@gmail.com, directorwbreda@gmail.com
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Inspector, Vigilance, South 24-Parganas	New Treasury Building, 2 nd Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 224)
Joint Director of Employment, South 24- Parganas	620, Diamond Harbour Road, Behala Industrial Estate, Kolkata – 700 034.	E-mail: dde24pgss@gmail.com
Joint Municipal Commissioner (Dev.), Kolkata Municipal Corporation	5, S. N. Banerjee Road, Kolkata - 700 013	Phone : 2286-1271, 2286-1000 Extn. 2603, Int. Com. : 271 Fax: 2286-1254 (for MPLADS/BEUP) E-mail: jmc_dev@kmcgov.in
Joint Secretary, Department of Planning	Joint Administrative Building, HC-7, Sector-III, Bidhannagar, Kolkata – 700 106	Ph: 2337-0691 Fax: 2321-1833 E-mail (Sankar Halder, JS): jsp.devpl@nic.in E-mail (K. K. Roy, OSD&EOJS): mplads.devpl@nic.in, kamal_kantiroy@yahoo.co.in
Joint Secretary, Urban Development Department, Government of West Bengal	Nagarayan, Sector-I, Block: DF-8 Bidhan Nagar, Kolkata – 700 064	Phone: 2334-9309 Fax: 2334-7880 Email: indrani865@gmail.com
Labour Department, Government of West Bengal	Writers' Buildings Block E, 1 st Floor, Kolkata – 700 001	Ph: 2254-4512, 2254-4331, 2254- 4552 Fax: 2214-5164; 2214-5290

Designation	Address	Telephone, Fax & E-mail
Lead District Manager, South 24-Parganas	Lead Bank Office, United Bank of India Rail Gate, Kulpi Road Baruipur, Kolkata – 700 144	Fax: 2433-8569 Mobile: 9830522624/9433010981 E-mail: ldm24ps@unitedbank.co.in
Managing Director, Sundarban Infrastructure Development Corporation Ltd.	Sundarban Affairs Department Mayukh Bhavan, 1st Floor, Bidhannagar, Kolkata-700091	Fax: 2334-8195
Mayor, Kolkata Municipal Corporation	5, S. N. Banerjee Road, Kolkata - 700 013	Ph: (Direct) 2286-1111/1211 Fax: 2286-1311 EPABX: 2286-1000, Extn. 2471, Intercom: 201 E-mail: cmcmayor@vsnl.net, mayor@kmcgov.in
Member Secretary & Project Director, Sundarban Development Board	Sundarban Affairs Department Mayukh Bhavan, 1st Floor, Bidhannagar, Kolkata-700091	Ph: 2337 4252 Fax: 2334 8195 Mobile: 9434404256 E-mail: sdbmspd13@gmail.com, mspdsdb12@gmail.com, chiefengineersdb@gmail.com
M.L.A.127- Gosaba(SC) [Jayanta Naskar]	VILL. - BAGULAKHALI, PO. - CHUNAKHALI PS. - BASANTI DIST. - SOUTH 24 Parganas	Mobile: 9733066061
M.L.A.128-Basanti (SC) [Subhash Naskar]	No. 1 Dighirpar (Tantkol), P.O. & P.S. -Canning.	Mobile: 9433044721
M.L.A. 129-Kultali(SC) [Ram Sankar Halder]	Vill + P.O.- Chuprihara, P.S.- Kultali, Dist- South 24 Parganas, Pin- 743349 Chuprihara	Mobile: 9732569859
M.L.A.130- Patharpratima (A.C.) [Samir Kumar Jana]	Vill : Paschim Sridharpur, Post : Gurudaspur P.S. : Dholahat, District : South 24 Parganas	Mobile: 9732624969
M.L.A. 131-Kakdwip A.C. [Manturam Pakhira]	Village & Post : Bamanagar, P.S. : Kakdwip Pin. : 743347, District : South 24 Parganas	Mobile: 9733579491
M.L.A. 132-Sagar A.C. [Bankim Chandra Hazra]	Village-Manasadwip, P.O.- Khasmahal, P.S.-Sagar District- South 24-Parganas	Mobile: 9434062539
M.L.A. 133-Kulpi A.C. [Jogoranjana Halder]	VILL. & P.O.-RAMKRISHNAPUR, P.S.-KULPI SOUTH 24- PARGANAS	Mobile: 9434300690
M.L.A. 134-Raidighi A.C.[Debasree Roy]	183, SARAT BOSE ROAD, GROUND FLOOR, KOLKATA-700 026	Mobile: 9831777577
M.L.A. 135- Mandirbazar(SC) [Jaydeb Halder]	VILL.+ P.O.- DHANYAGHATA, P.S.- MANDIRBAZAR SOUTH 24- PARGANAS	Mobile: 9732503255
M.L.A. 136-Jaynagar(SC) [Tarun Kanti Naskar]	Joychanditala, P.O-Joynagar- Mazilpur,P.S-Joynagar Dist- South 24 Parganas	Mobile: 9432151669, 9874878737 E-mail: tknaskar@gmail.com
M.L.A. 137-Baruipur Purba(SC) [Nirmal Chandra Mandal]	VILL: GARAL; P.O.: PROTAPNAGAR; P.S.: SONARPUR; DIST: SOUTH 24 PARGANAS	Mobile: 9593467086

Designation	Address	Telephone, Fax & E-mail
M.L.A. 138-Canning Paschim(SC) [Shyamal Mondal]	VILL. + PO. - KALIKAPUR PS. - SONARPUR DIST. - SOUTH 24 Parganas	Mobile: 9732466321
M.L.A. 139-Canning Purba [Abdur Razzak Molla]	VILL. - BANKRI, PO. - CHANDANESWAR PS. - BHANGORE DIST - SOUTH 24 Parganas	Mobile: 9433218106
M.L.A. 140-Baruipur Paschim [Biman Banerjee]	J-553 PHARPUR ROAD,KOLKATA-700024 KOLKATA	Mobile: 9830499207
M.L.A. 141-Magrahat Purba(SC) [Namita Saha]	VILL. BANIBERIA, P.O.- MULTI P.S.-MAGRAHAT, DIST. SOUTH 24-PARGANAS PIN-743610	Mobile: 9433865299
M.L.A. 142-Magrahat Paschim [Giasuddin Molla]	VILL.- AJODHYA NAGAR, P.O.- SHIRAKOLE, P.S.- USTHI DIST. SOUTH 24-PARGANAS	Mobile: 9830933459
M.L.A. 143-Diamond Harbour. [Dipak Kumar Halder]	VILL.+P.O.-ABDALPUR, P.S.- DIAMOND HARBOUR, SOUTH 24-PARGANAS, PIN-743368	Mobile: 8001966301, 9547718688
M.L.A. 144-Falta [Tamonash Ghosh]	29A, HARISH CHATTERJEE STREET, KOLKATA-700 026	Mobile: 9733641300
M.L.A. 145-Satgachia [Sonali Guha (Bose)]	45 SRI GOPAL MALLIK LANE KOLKATA PIN-700012	Mobile: 9831786955 9874091786 9903083151
M.L.A. 146-Bishnupur (SC) [Dilip Mondal]	Vill-Doulatpur,P.S-Bishnupur,South 24-Pgs.	Mobile: 9830597748
M.L.A.147-Sonarpur Dakshin [Jiban Mukhopadhyay]	VIVEKANANDA PALLY P.O & P.S SONARPUR KOLKATA - 700150	Mobile:9830066468
M.L.A. 148-Bhangore [Badal Jamadar]	VILL: KASHIPUR; P.O.: UTTAR KASHIPUR; P.S.: KASHIPUR; DIST: SOUTH 24 PARGANAS; PIN: 743510 BHANGAR	Mobile:8145063030
M.L.A.149-Kasba [Ahmed Javed Khan]	2, GOLAM JILINI KHAN ROAD, KOLKATA-700039 KOLKATA	Mobile:9830977758
M.L.A.150-Jadavpur [Manish Gupta]	20, Suren Tagore Road, Kolkata-19 Kolkata	Mobile:9830018271
M.L.A.151-Sonarpur Uttar [Firdousi Begum]	VILLAGE-UTTAR KUMRAKHALI,PO-NARENDRAPUR,PS-SONARPUR,KOLKATA-700103	Mobile: 9831734454
M.L.A.152-Tollygung [Aroop Biswas]	0/5,BANKIM MUKHERJEE SARANI,(DURGAPUR COLONY) BLOCK-L,NEW ALIPORE KOLKATA-700053	Mobile: 9830051484
M.L.A.153-Behala Purba [Sovan Chatterjee]	36, Maharani Indira Devi Road, P.S- Behala, Kolkata-700060	Mobile:9030056697
M.L.A. 154-Behala Paschim [Partha Chatterjee]	9/4A, KHANPUR ROAD KOLKATA - 700 047	Mobile: 9831002887
M.L.A. 155-Maheshtala [Kasturi Das]	Santoshpur Government Colony, Block-A, Maheshtala, Kolkata-700142 Maheshtala	Mobile: 9830135055

Designation	Address	Telephone, Fax & E-mail
M.L.A.156-Budge Budge [Ashok Kumar Deb]	17 Scott Lane 49 Muchipara Kolkata-700009	Mobile: 9831671705
M.L.A.157-Metiaburuz [Mamta Begam]	Y-2/57, Kanthalberiya Road, P.S.-Nadial Kolkata-700 018	Mobile: 9836531269
M.P. Smt. Pratima Mondal, 19-Joynagar (SC) P.C.	7K, Ballygunj Station Road, Kolkata - 700019	Mobile: 9883505957 E-mail: pratimamondal66@yahoo.com
M.P. Shri Choudhury Mohan Jatua, 20- Mathurapur (SC) P.C.	AL-46, Salt Lake, Sector-II, Kolkata - 700 064.	Ph. No:- 23073423, 23073424 Fax (Kolkata): 23376665 Mobile: 9732999626
M.P. Shri Abhishek Banerjee, 21-Diamond Harbour P.C.	30B, Harish Chatterjee Street, Kolkata-700026	Mobile: 9874511111
M.P. Prof. (Dr.) Sugata Bose, 22-Jadavpur P.C.	90, Sarat Bose Road, Kolkata- 700026	Mobile: 9831755531 E-mail: sugata.bose@sansad.nic.in, boresugata@gmail.com
M.P. (Ex.) Dr. Tarun Mandal, 19- Joynagar (SC) P.C.	Kolkata Office: SUCI Officer:48 Lenin Sarani, Kolkata-13 Jaynagar Office: SUCI Office : Jaynagar-Mazilpur, S-24-Pgs. PIN:743337	Telefax: 2352-4848 (O) Ph No: 2474-2430 (R)
M.P. (Ex.) Shri Soumendra Nath Mitra, 21- D\Harbour P.C.	68 B, A.P.C. Road, Kol-09	Ph. No: 2416-4582, Mob: Kolkata- 9051635502, Mob: Delhi-989170174 9432011990 Fax-033-2499-7777
M.P. (Ex.) Shri Kabir Suman, 22- Jadavpur P.C.	19/G, Baishnabghata Bye Lane, Kol-47	
Nabanna	325, Sarat Chatterjee Road, Mandirtala, Shibpur, Howrah - 711 102.	Ph: 2479-3531, E-mail: ndcalipore@gmail.com
NBCC		Ph: 40048705 E-mail: westbengal.nbcc@nic.in, pmgsywb.nbcc@nic.in
Nezarath Deputy Collector, South 24-Parganas	New Administrative Building, 1 st Floor, Alipore, Kolkata - 700 027	Mobile: 9836682994
O/C, Baruipur P.S.		Mobile: 9836047116
O/C, Basanti P.S.		Mobile: 9836551310
O/C, Bhangore P.S.		Mobile: 9674166992
O/C, Canning P.S.		Mobile: 9836638868
O/C, Dholahat P.S.		Mobile: 9830330074
O/C, Freserganj Coastal P.S.		Mobile: 9674372172
O/C, Gosaba P.S.		Mobile: 9836490422
O/C, Joynagar P.S.		Mobile: 9836123864
O/C, Kakdwip P.S.		Mobile: 9836114449
O/C, Kashipur P.S.		Mobile: 9830229602
O/C, Kulpi P.S.		Mobile: 9830092544
O/C, Magrahat P.S.		Mobile: 9051046800
O/C, Maipith Coastal P.S.		Mobile: 9874557101
O/C, Mandirbazar P.S.		Mobile: 9051040060
O/C, Mathurapur P.S.		Mobile: 9830024251
O/C, Namkhana P.S.		Mobile: 9874585817
O/C, Patharpratima P.S.		Mobile: 9830747700
O/C, Raidighi P.S.		Mobile: 9836385103
O/C, Sagar P.S.		Mobile: 9836151370

Designation	Address	Telephone, Fax & E-mail
O/C, Sonarpur P.S.		Mobile: 9830364477
O/C, Sundarban Coastal P.S.		Mobile: 9874425206
O/C, Usthi P.S.		Ph: 2248-6271, Extn. 3115
Officer-in-Charge, Agricultural Income Tax, South 24-Parganas	New Secretariat Buildings (12th Floor), 1, Kiran Sankar Roy Road, Kolkata – 700 001	Ph: 2479-1451 (Extn. 228)
Officer-in-Charge, Arms Section, South 24-Parganas	New Treasury Building, 4 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 271)
Officer-in-Charge, Certificate Section, South 24-Parganas	New Administrative Building, 1 st Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 227)
Officer-in-Charge, Cinema License Section, South 24-Parganas	New Treasury Building, 4 th Floor, Alipore, Kolkata – 700 027	Ph: 2439-9247
Officer-in-Charge, Disaster Management Department, South 24-Parganas	New Treasury Building, 1 st Floor, Alipore, Kolkata – 700 027	
Officer-in-Charge, District Bar Council, South 24-Parganas	City Civil Court, 7 th Floor, Kolkata – 700 001	Ph: 2479-1049, 2439-9248 Mobile: 9007327777 E-mail: dmsouth@gmail.com
Officer-in-Charge, District Election Department, South 24-Parganas	New Treasury Building, 1 st Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 218)
Officer-in-Charge, Establishment Section, South 24-Parganas	New Treasury Building, 2 nd Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 250)
Officer-in-Charge, Fishery Acquisition Section, South 24-Parganas	New Treasury Building, 6 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 223)
Officer-in-Charge, General Department, South 24-Parganas	New Treasury Building, 2 nd Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 237)
Officer-in-Charge, Judicial Munshikhana Section, South 24-Parganas	New Treasury Building, 1 st Floor, Alipore, Kolkata – 700 027	
Officer-in-Charge, Khadi and Village Industries District Office, South 24-Parganas	2 Ripon Street, 2 nd Floor, Kolkata – 700 016	
Officer-in-Charge, Literacy Section, South 24-Parganas	New Administrative Building, 7 th Floor, Alipore, Kolkata – 700 027	Telefax: 2479-0199 E-mail: dcpzss@gmail.com
Officer-in-Charge, Mid-Day Meal Section, South 24-Parganas	New Administrative Building, 8 th Floor, Alipore, Kolkata – 700 027	Ph: 2448-3747 Mobile: 9874363882 E-mail: dmsouthmdm@gmail.com
Officer-in-Charge, Passport & Citizenship Section, South 24-Parganas	New Treasury Building, 4 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 290)
Officer-in-Charge, Refugee Relief and Rehabilitation Section, South 24-Parganas	New Treasury Building, 3 rd Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 281)

Designation	Address	Telephone, Fax & E-mail
Officer-in-Charge, Registration Section, South 24-Parganas	New Treasury Building, 7 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 221)
Officer-in-Charge, Revenue Munshikhana Section, South 24-Parganas	New Treasury Building, 7 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 261) E-mail: rms24pgs@gmail.com
Officer-in-Charge, SC/ST/OBC Certificate Section, South 24- Parganas	New Treasury Building, 1 st Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 258)
Officer-in-Charge, Verification Section, South 24-Parganas	New Treasury Building, 7 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-1451 (Extn. 278)
Principal Secretary, Department of Statistics & Programme Implementation	Joint Administrative Building, 4 th Floor, HC-7, Sector-III, Bidhannagar, Kolkata – 700 106	Ph: 2262-4747, Fax: 2262-4748, 2262-4853 (TPP) E-mail: secretarydospiwb@gmail.com
Principal Secretary, Urban Development Department, Government of West Bengal	Nagarayan, Sector-I, Block: DF-8 Bidhan Nagar, Kolkata – 700 064	Phone: 2334-9394, 2334-9309 (Joint Secretary) Fax: 2334-7880 Email: psecy-ud-wb@nic.in
Programme Director, NCLP, South 24-Parganas	1, Thackery Road, Alipore, Kolkata – 700 027	
Project Director, District Rural Development Cell, South 24-Parganas Zilla Parishad	New Treasury Building, 7 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-2242 Fax: 2479-0201 Mobile: 9830011225 E-Mail: pddrdc.24pgs@gmail.com
Project Manager, Baruipur RE Project, WBSEDCL	Sanghamitra Complex, 2 nd Floor, Padmapukur, Kulpi Road, Baruipur, Kolkata – 700 144	Ph: 2423-0045 Telefax: 2423-0378 Mobile: 9674872343 E-mail: repbaruipur@gmail.com, pmrepbaruipurwbasedcl@rediffmail.co m
Project Manager, Diamond Harbour RE Project, WBSEDCL	House of Sri Goutam Halder, Vill.: New Town (Near Rabindra Bhaban), P.O. & P.S.: Diamond Harbour, District: South 24- Parganas, PIN – 743 331	Ph: 03174-258775 Telefax: 03174-258777 Mobile: 9474400261 E-mail: repdiamond@gmail.com [Jurisdiction: Falta, Diamond Harbour-I, Diamond Harbour-II, Magrahat-I, Magrahat-II, Kulpi, Sagar, Kakdwip, Namkhana, Patharpratima, Mathurapur-I, Mathurapur-II, Mandirbazar and Gosaba Blocks]
Project Officer cum District Welfare Officer, Backward Classes Welfare, South 24-Parganas	New Treasury Building, 5 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-1205 Mobile: 9830149353 (Ramkrishna Mali) E-mail: pos24pgs@gmail.com
Regional Manager, Bidhannagar Region, WBSEDCL	AA-26, Sector-I, Bidhannagar, Kolkata – 700 064	Ph: 2337-3515 Fax: 2337-1490
Regional Manager, South 24-Parganas Region, WBSEDCL	Administrative Building (1 st Floor), Beside Baruipur 33/11 KV Sub-Station Premises, Kulpi Road, Padmapukur, Baruipur, Kolkata – 700 144	Telefax: 2423-0342 Mobile: 9830550193 E-mail: cm.24psdc@gmail.com

Designation	Address	Telephone, Fax & E-mail
Regional Transport Officer, South 24-Parganas	New Administrative Building, Ground Floor, Alipore, Kolkata – 700 027	Ph: 2479-1943 Mobile: 9830121479 E-mail: rto-ali@nic.in, chapalb9@gmail.com
Resident Engineer, HRBC		Fax: 2248-5178 Mobile: 9830434172 E-mail: salilbanerjee.2008@rediffmail.com, cpm.hrbc@yahoo.com
Sabhadhipati, ZP		Mobile: 9836522828, 9830922828
SDPO, Baruipur		Mobile: 8001901828
SDPO, Canning		Mobile: 9735000747
Secretary, Zila Sainik Board, 24-Parganas (South)	New Administrative Building, 1 st Floor, Alipore, Kolkata – 700 027	Ph: 2448-1423 Telefax: 2479-0542 E-mail: zsbalipore@yahoo.in
Senior Deputy Collector, South 24-Parganas	New Treasury Building, 2 nd Floor, Alipore, Kolkata – 700 027	Ph: 2439-9248 E-mail: srdcdmsouth@gmail.com
Speaker, West Bengal Legislative Assembly	Assembly House, Kolkata – 700 001	Ph: 2248-8069, 2253-3122, 2248-2911, 2231-8196 Fax: 2248-8160
Special Land Acquisition Officer, South 24-Parganas	New Treasury Building, 5th Floor, Alipore, Kolkata – 700 027	Ph: 2479-0182, 2448-3945, 2448-3946 Mobile: 9126186430 E-mail: spllaos24pgs@gmail.com
Soil Conservation Officer, Canning, South 24-Parganas [New Designation: Assistant Director of Agriculture (Administration), Soil Conservation, Canning, South 24-Parganas]	P.O. – Canning Town, District – South 24-Parganas, PIN – 743 329.	Ph: 03218-256712
Soil Conservation Officer, Diamond Harbour, South 24-Parganas [New Designation: Assistant Director of Agriculture (Administration), Soil Conservation, Diamond Harbour]	New Town, P.O. – Diamond Harbour, District – South 24-Parganas, PIN – 743 331.	Ph: 03174-255308
Sub-Divisional Officer, Alipore, South 24-Parganas		Mobile: 9433021681 E-mail: sdoalipore@gmail.com
Sub-Divisional Officer, Baruipur, South 24-Parganas		Fax: 2433-8579 Mobile: 9874750399 E-mail: sdobrp@gmail.com
Sub-Divisional Officer, Canning, South 24-Parganas		Fax: 03218-255340 Mobile: 9434743004 E-mail: sdocan@gmail.com
Sub-Divisional Officer, Diamond Harbour, South 24-Parganas		Fax: 03174-255297 Mobile: 9434755222 E-mail: sdo.diamond.harbour@gmail.com
Sub-Divisional Officer, Kakdwip, South 24-Parganas		Fax: 03210-255696 Mobile: 9434033200 E-mail: sdokakdwip@gmail.com

Designation	Address	Telephone, Fax & E-mail
Sub-Divisional Officer, South 24-Parganas (Group E-mail)		sdoalipore@gmail.com, sdoalipore@gmail.com, sdocan@gmail.com, sdo.diamond.harbour@gmail.com, sdokakdwip@gmail.com
Superintendent, M. R. Bangur Hospital		Ph: 2473-3354 Fax: 2422-0447 E-mail: districthospitalspg@gmail.com
Superintendent of Excise, South 24-Parganas		Mobile: 9830425029
Superintendent of Police, South 24-Parganas	Alipore, Kolkata – 700 027	Ph: 2479-3333, 2479-3991 Mobile: 9732061768, 9874271111 Fax: 2479-1261 E-mail: sps24pgs@gmail.com
Superintending Engineer, South 24-Parganas Water Supply Circle, PHE	CIT Super Market, West Side, 2 nd Floor, 33 & 33/1, Chetla Central Road, Kolkata – 700 027	Ph: 2439-8013 E-mail: se_s24wsc@wbphed.gov.in
Superintending Engineer, Southern Circle, PWD		Ph: 2225-3185 E-mail: sescpwd1@gmail.com
Superintending Geologist, Geological Circle, SWID	Bikash Bhavan, Forth Floor, Salt Lake, Kolkata – 700 091.	Fax: 2359-2370 (with attn.)
Technical Education and Training Department, Government of West Bengal	Vocational Training Institute Plot No. B/7, Action Area-III (3 rd Floor), Rajarhat, New Town, Kolkata – 700 156.	
Treasury Officer, Alipore Treasury - I, South 24-Parganas	New Treasury Building, Ground Floor, Alipore, Kolkata – 700 027	Ph: 2479-1638
Treasury Officer, Alipore Treasury - II, South 24-Parganas	New Treasury Building, 4 th Floor, Alipore, Kolkata – 700 027	Ph: 2479-9768
Vice-President (Distribution), Calcutta Electric Supply Corporation	CESC House, 1 Chourangee Square, Kokata – 700 072	Ph: 22040570 / 22366048 Fax: 22365433
Joint Commissioner of Police Kolkata		jtcphq@kolkatapolice.gov.in / electioncell@kolkatapolice.gov.in

State Level Disaster Management & Civil Defence Contact Number

Designation	Organisation	Officer	Contact Numbers		
			Office	Mobile	Fax
Disaster Management Department	Control Room		1070 (Toll Free) 2214 3526 2214 5664 2253 5185		2214 1378
	Principal Secretary	Sri S. Suresh Kumar, IAS	2214 3674	9007154222	2214 4005
	Joint Secretary (Admin.)	Sri P. K. Mondal, WBCS (Exe.)	2214 1938	9434451442	2214 1378 2214 1989
ADG (L&O)	Control Room		2214 5486 2214 4031		2214 4031 2214 1946
	A.D.G.E	N.R. Babu, IPS	2214 5009	9830040685	2214 4031
	Nodal Officer (DMG)	N.R. Babu, IPS	2479 4025	9830172321	2214 4031
		LT COL Nevendra Singh PAUL (DCP Combat & SF K.P)		8001200650	
	O.C. DMG	Amitava Chakraborty	2262 3627	9038648875	
CP	Control Room		2250 5090 2250 5000		2214 5512
	Nodal Officer	Horikishor Ksumakakr (Additional CP IV - Lalbazar)	2214 5799	8978540202	2214 1500
HQ Bengal Area Pin: 908752 c/o 99 APO	G.S.O. 1 (ops)		2223 2953 2213 3351	9874160040	2210 7430
	Control Room				
DG, F&ES	Control Room		2252 1165		2258 2223
	Nodal Officer	Jag Mohan, IPS	2252 7172	9830005111	2359 8866 (R)

KMC	Control Room		2286 1212 2286 1313 2286 1414		
	Nodal Officer	Mr. P.K Dhuya D.G Mr. H.P Mondal	2286 1271	9830324329	2286 1334 2286 1434
	Alternative Officer	Sajhzad Shibli Jt. Municipal Commr.	2286 1126	9830158232	2252 2678
NDRF 2 nd Bn. Haringhata, Nadia	Control Room		2587 5032		2587 5032
	DG, NDRF	Mr. Sanjay Kumar	011 2436 9280	9818564455	011 2436 3261
	Nodal Officer	Nishith Upadhyay Commandant, 2 nd Bn.	2587 5032	8017166658	2587 5032
IAF Advance HQ Eastern Air Command, IAF, Fort William PIN-938562		S. K. Sharma, Wing Commandar	2248 2152	8335934368 9331688899	2262 5336
Coast Guard Haldia	Director General of Police, Coastal Security, W.B.	Shri Harmanprit Singh, ADG	03224- 267755 2337 1428 / 2479 4035	9830940682	2337 1482
Coastal Security	Asst. Commandant	Tapas Roy chowdhury	2479 4050	9474532887	2479 4050
Coast Guard, Dist. HQ-8, Haldia	Asst. Commandant	Shri Asish Khosla	03224- 267755	8116674533	
	Commandant	Shri Rajindrar Singh	03224- 264077	9586002155	
	Air Force		2248 5287		
	Navy	Commodore Suprovo Kr De	2242 0446 2242 0119		2222 1408 2222 1403
IG BSF	South Bengal Frontier	Mr. Nasir Kamal, Additional Director General, BSF.	2282 6690 2282 1340 2282 4819		2282 6690
	North Bengal Frontier	DR RAJESH MISHRA	0353 2580160	94347 57007	(0353) 2580155

		INSPECTOR GENERAL NB FTR BSF	(Extn.-163)		
Director, Civil Defence		P. Nirajnayan, IPS ADGP and Director of Civil Defence West Bengal Control Room	2225 2179 2237 4033/ 2236 3594	9836117217	2237 4438
		Sarmistha Das WWCD		9903131152	
		Goutam Mukherjee (Civil Emergency Force)		9474807368	
Irrigation & Waterways Department		Naveen Prakash, Principal Secretary, IAS Control Room	2321 5616 2321 8341 2334 0117 (Toll Free)		2321-5104 2321-5210
AIR Duty Room 24X7	Program Officer	Duty Officer ----- Control Room ----- Manish Bhattacharya News Room	2248 6064 2248 5938 2248 6064 / 2248 9131 (Extn.4081)	9433818024 / 8583979686	2231 3469 2248 9364
DD News Room		Mr. B. S. Ambedkar Head of News	2423 5757 2423 5343 2423 5757	8902025799	2423 5858 2231 3469 2423 5454
Assistant Commandant	Coastal Security	Mr. Tapas Roy Chowdhury		8017989638	
Control Room	DG Control Nabanna	-		9051399183	
Nodal Officer, South 24 Pgs.	Dy. S.P. (Traffic)	Baruipur	2433 0083	Namadul Hussain 9051166786 Dy. S.P. (Traffic)	2433 0083
		Diamond Harbour	2480 1612	Shri Nirmal Kr. Jash 9051166786 Dy. S.P. (Traffic)	2480 1612
		Sundarban - Kakdwip	03210 255 703	Shri Santanu Sen 9830305449 Dy. S.P. (Traffic)	03210 255 703
South 24 Pgs.	Col. Sanjeeb	Station Commander,		8336934112	

	Sirioh	Behala		/ 033- 24980579	
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Coast Guard, Haldia			03224- 263407 / 267755		03224 264541
River Traffic			2242 7525		2409 9059 DRO PORT
Fire	Control Room		2227 6666 / 2252 1165		2252 2223
Civil Defence	Control Room		2237 4033 / 2236 3594 (PBAX)		
D.G. Control Room	Nabanna		2214 4031		
CPRO, Eastern Railway		Shri Ravi Mahapatra Chief Public Relation Officer	2248 2008	9002020005	22310725
Sealdah	Control Room		2350 7132		
CESC	Control Room		2248 1481 / 3107		
NDMA	Control Room		(011) 2670 1728		011 2670 1729
Banga Bhawan			(011) 2373 8134 / 4269		
Civil Defence	Water Wing		2237 4033 9432581757		

Indian Meteorological Department

Indian Meteorological Department	Shri G. C. Debnath, Director, IMD	2479 0596, 2479 3167 2479 3782	94338 36994
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***Contact Details of Police,
South 24 Parganas***

ALIPORE PBX- 033-2479-1311-15/2479-1214, 033-2449-3239, CONTROL ROOM FAX- 2479-1261
Sr. SP Coordination E-MAIL ADDRESS - sps24pgs@gmail.com

SL NO	RANK/ UNIT	NAME OF SUPERIOR	OFFICE	MOBILE NO	e-mail. Id
1	Sr. Supdt. of Police (Co-Ordination), South 24 Pgs.	SHRI SUNIL KUMAR CHOUDHARY, IPS	033-2479-3333 / Extn. 101	74070-06666	
2	Inspr. Control, South 24 Pgs	AMAL KUMAR ROY	033-2479-1870/ 033-2479-0100, Extn.100/ 279 / 151	81450-01510	amalkrroy786@gmail.com
3	Crime Inspector, S 24 Pgs.	NIBEDITA PAUL TALUKDAR		98312-89326	-
4	RO Co-ordination	SI INDRAJIT BISWAS	Extn. 126	98743-58077	biswas.indrajit06@gmail.com
5	MTO, Alipore, South 24 Parganas	SI AVIJIT SOREN	Extn. 285	98302-59984 94334-35204	mtoalipores24pgs@gmail.com

BARUIPUR POLICE DISTRICT

SL NO	RANK/ UNIT	NAME OF SUPERIOR	OFFICE	RESIDENCE	MOBILE NO	REMARKS
1	Sr. Supdt. of Police (Co-Ordination), South 24 Pgs.					Presently no SSP is posted
BARUIPUR POLICE DISTRICT CONTROL ROOM - 2433-0083, RT CONTROL - 2433 - 0070, PBX No. 2433-0022 / 0023 SP, BARUIPUR POLICE DISTRICT : E-MAIL ADDRESS - baruipurpolice@gmail.com						
1	SP BARUIPUR POLICE DISTRICT	SHRI ARIJIT SINHA, IPS	033-2433-0010		90519-79040	arijit_sinha_2006@yahoo.co.in baruipurpolice@gmail.com
2	ADDL.SP. ZONAL, BARUIPUR PD	SHRI SAIKAT GHOSH, IPS	033-2433-0020		97341-00121	policesaikat@gmail.com
3	ADDL. SP. HQ, BARUIPUR PD	SHRI SANDEEP MONDAL, WBPS	033-2433-0090		90733-43502 97321-24445	addlsphqbrppd@gmail.com
4	ADDL. SP. DIB, BARUIPUR PD	SHRI SANDEEP MONDAL, WBPS (ADDL. CHARGE)	033-2433-0063		90733-43502 97321-24445	spdibbrppd@gmail.com
5	DSP ADMN, BARUIPUR PD	SHRI ABHISHEK GHOSH	033-2433-0024		86978-88414	abhishek09ghosh@gmail.com
6	DSP DIB, BARUIPUR PD	SHRI SHIB KUMAR SAHA	033-2433-0025		98366-58552	spdibbrppd@gmail.com
7	DSP DEB, BARUIPUR PD	SHRI SHIB KUMAR SAHA	033-2433-0038		98366-58552	-
8	DSP TRAFFIC, BARUIPUR PD	MD. QUTBUDDIN KHAN	033-2433-2213		90733-43177 98366-77100	qutbuddinkhan@ymail.com
9	DSP AP, BARUIPUR PD	SHRI SUBRATA CHATTERJEE			90510-80303 70440-81030	subratawbps@gmail.com
10	SDPO BARUIPUR, BRP PD	SHRI ARKA BANERJEE	033-2433-2829/6130	2433-2829	80179-97281 80175-55813	sdpobaruipur@gmail.com
11	BARUIPUR PS	ARUP BHOWMICK	033-2433-8222		98747-33513	baruipurps@gmail.com icbaruipur@gmail.com
12	BARUIPUR WOMEN PS	SMT. PRANATI SAHA	2433-0048		98304-01243 98741-15489	baruipurwomenps12@gmail.com
13	CI JOYNAGAR	SHYAMAL CHAKRABORTY			90510-84343	chakrabortyshyamal68@gmail.com

14	JOYNAGAR PS	SANTANU BASU	03218-220203		94341-39657 81161-40146	joynagarps@gmail.com
15	KULTALI PS	PARTHA SARATHI GHOSH	03218-215018		97338-60080 96741-66992	kultalipswbpolice@gmail.com
16	MAIPITH COASTAL PS	HABUL ACHARJEE	03174-204139		98306-28754	ocmaipithcoastalps2014@gmail.com
17	DSP CRIME, BRP PD	SOUMYANANDA SARKAR	033-2441-2037		86176-96898 80170-37854	dyspcrime@gmail.com
18	CI BHANGORE	SOUGATA ROY	03218-271500		98747-60001	cibhangore2016@gmail.com
19	SONARPUR PS	PARESH CHANDRA ROY	033-2434-4775, 033-2434-9296,		98303-25507 98301-65833	sonarpurps@gmail.com
20	BHANGORE PS	ASHOK TARU MUKHERJEE	03218-270490		90510-46800	bhangoreps1@gmail.com ashoktarumukherjee76@gmail.com
21	KASHIPUR PS	BISWAJIT GHOSH	03218-275500		98300-70580 90733-43551	ghoshsubhash2009@gmail.com
22	SDPO CANNING, BRP PD	SHRI DEBI DAYAL KUNDU	03218-255398		90733-43505	sdpocanning@gmail.com
23	CI CANNING	RATAN KR. CHAKRABORTY	03218-263400		98305-48993	mail.si.ratan@gmail.com
24	CANNING PS	ASHIS DAS	03218-255221		98365-51310 97354-94076	canningps2013@gmail.com pscanning@gmail.com
25	CANNING WOMEN PS	MUNMUN CHOWDHURY	03218-255755		98317-92180 90519-84100	canningwomenps@gmail.com
26	JIBANTALA PS	SUBHASH GHOSH	03218-265100		98745-57101 98744-00536	jibantalaps@gmail.com
27	BASANTI PS	SATYABRATA BHATTACHARJEE	03218-232238		90733-43536 70037-83972	basantipolicestation@gmail.com
28	GOSABA PS	AVIJIT PAUL	03218-236511		90733-43543 98741-97332	psgosaba@gmail.com gosaba.gsb@gmail.com
29	SUNDARBAN CTL PS	PRADIP PAUL	03218-201100 (WLL)		81453-56022	pssundarban@gmail.com
30	JHARKHALI COASTAL PS	CHANDRA SEKHAR GHOSHAL	03218-203100 (WLL)		90733-43563 98369-14228	jharkhalicoastalps@gmail.com

31	INSPR. TELECOM	TANDRA DASGUPTA	Extn.- 273		98303- 60881	
32	IC CR BRP PD	MOUSAM CHAKRABORTY	033- 2433- 0070		85858- 97074	
33	TI, BARUIPUR	ATANU BANERJEE			90733- 43567	
34	RI, BRP PD	ANUP KUMAR NATH	Extn.- 214		80010- 2666394341 -40375	
35	DIO- I, BRP PD	JAYA CHATTERJEE	Extn.- 216		90511- 18762 94330- 47003	
36	RO - I, BRP PD	SEKHAR NANDI	033- 2433- 0040		90029- 97401	
37	OC SOG, BRP PD	LAKSHMI KANTA BISWAS	033- 2443- 0030		98302- 12724 83369- 77995	
38	O/C WATCH BRP PD	SUJOY GHOSH	033- 2433- 0038		90510- 21130	
39	DEB, BRP PD	PABITRA KR. DEY	033- 2433- 0025		98301- 29873	
40	OC DCRB, BRP PD	TARUN HAZRA	033- 2433- 0031		98360- 87441	tarunwbp@gmail.com
41	MTO, BRP PD	CHITTAJIT MONDAL	033- 2433- 0062		98747- 92166	

DIAMOND HARBOUR POLICE DISTRICT

S L N O.	RANK/ UNIT	NAME OF SUPERIOR	OFFICE	MOBILE NO	e-mail. Id
1	Sr. Supdt. of Police (Co-Ordination), South 24 Pgs.		033-2479-3333/		sps24pgs@gmail.com
2	SP DDH POLICE DISTRICT	SHRI KOTESWARA RAO N, IPS	2480-1611 (O) 2395-2244 (R)	96747-22000	koteswararaon@ymail.com
3	ADDL. SP. ZONAL, DDH POLICE DISTRICT	SHRI RAHUL GOSWAMI, WBPS	03174- 241100	9830334664	addlspwests24pgs@gmail.com
4	ADDL SP (HQ)	TANMOY SARKAR , WBPS	2480 - 2015	9073975066 9874920001	-
5	ADDL. SP. HQ, DDH POLICE DISTRICT	SHRI TANMOY SARKAR, WBPS	2480-2015	90739-75066	addlsphqdiamondharbour@gmail.com
6	SDPO DDH, DDH POLICE DISTRICT	SHRI SANDIP SEN, WBPS	03174- 255221 03174 - 255222	90511-24189	sdpoddh@gmail.com sdpo.diamond.harbour@gmail.com
7	DSP BISHNUPUR, DDH POLICE DISTRICT	SHRI UTTAM MITRA, WBPS	2495-4200	90070-86257	dspdnts@gmail.com cbdspdnt@gmail.com
8	DSP INDUSTRIAL, DDH POLICE DISTRICT	SHRI ASIS ROY, WBPS	2490- 9186, 2490 - 4226 98363-87321	94341-93164	dspindustrial@gmail.com
9	DSP DIB, DDH POLICE DISTRICT	SHRI NIRMAL KUMAR JASH, WBPS(Addl. Charge)	2480-1609, WBPS	98307-08256	-
10	DSP DEB, DDH POLICE DISTRICT	SHRI GOUTAM CHATTERJEE, WBPS		70598-58726 98300-68318	-
11	DSP TRAFFIC, DDH Police Dist.	SHRI NIRMAL KUMAR JASH, WBPS	2490-1110	98307-08256	arnabmoni@gmail.com
12	DSP ADMN., DDH POLICE DISTRICT	SHRI GOUTAM CHATTERJEE, WBPS (Addl. Charge)	2480-1608		-

POLICE STATIONS UNDER DIAMOND HARBOUR POLICE DISTRICT

13	BUDGE BUDGE PS	TAPAS SINHA	033-2482- 1215,	98366-40242	psbudgebudge@gmail.com
14	MAHESHTA LA PS	SUBIR KUMAR BAG	033-2490- 6437, 033-2490-5382	9073343524	maheshtalaps@gmail.com
15	RABINDRA NAGAR PS	SYED REZAUL KABIR	033-2491- 4337/ 3394,	98742-47583 9073343525	rejaulkabir07@gmail.com
16	BISHNUPU R PS	ASHOK KUMAR MISHRA	033-2470- 9245	90733-43525	lbishnupurps@gmail.com
17	NODAKHA LI PS	ARIJIT DASGUPTA	033-2470- 0133	99331-99999	psnodakhalis24pgs.n@gmail.com
18	FALTA PS	KOUSHIK KUNDU	03174- 225100 77971-78494	98307-47700	icfaltaps@gmail.com samantaamit1369@gmail.com
19	RAMNAGA R PS	SUDIP DUTTA	03174- 222246	98300-24251	ramnagarps24pgs@gmail.com icramnagarps24pgs@gmail.com
20	CI MAGRAHA T	SANJOY KR. CHAKRABORTY	03174- 253116	98302-73535 90733-43523	magrahatcioffice@gmail.com
21	USTHI PS	ABU HASSAN	03174- 250203	98304-85004	ocusthips@gmail.com
22	MAGRAHA T PS	HIMANGSHU BISWAS	03174- 252244	97756-58559 98003-30037	magrahat.ps@gmail.com biswashimanshu2011@gmail.com
23	DDH PS	GOUTAM MITRA	03174- 255223	98306-73407	diamondharbourps14@gmail.com
24	DDH WOMEN PS	LSI AMRITA PAKHIRA DAS	03174-257100	96740-72216	ddhwomenps@gmail.com
25	PARULIA COASTAL PS	KOUSHIK DAS	03174-215051 7797339955	98305-14767	parulia.coastalps@gmail.com
26	MTO DDH PD	KUMARESH DAS	90733-43509	98517-74432	-
29	TI South/ Maheshtala	KOUSHIK SUR		98363-74073	
30	TI BISHNUPU R/ Inspr. Highway	Vacant	033-2480-9864		
31	DIO-1 DDH	SHRI ANUP KR. DEY		80173-71443	
32	DIO-II DDH	Vacant			
33	RI HQ DDH Police Dist	JITENDRA KUMAR SHARMA	2480-1614	94747-30623 89106-96877 90739-24595	-
34	COURT INSPR DDH	PARTHA SAKHA MONDAL		94340-97238	-
35	IC Telecom , DDH	INSPR RANJIT SEKHAR DAS	2480-1612	98363-29377	-
36	IC MPB (Addl Charge DEB)	INSPR PANCHU SUR ROY		90510-76200	-

37	RO (I) DDH	GOPAL CHANDRA DEY	2480-1613	98301-66968	-
38	RO Welfare	AMAR KAR DEY	2480-1613	9830109874 9831788525	-
39	RO LEAVE				-
40	RO (SUMMON)	VACANT C/ CHANDRA NATH DAS		94323-36487	
41	MTO Alipore	SHRI KUMARESH DAS	90733-43509	98517-74432	-
42	HA / ACCOUNTANT	CHANDAN SARKAR	2480 - 1616	91639- 16867	-
43	GOC	CHANDANA MUKHOPADHYAY (GOC)	2480 - 2010	79805 - 48309	-
44	STATIONERY ASTT.	RAKHI BHOWMICK		98366-46808	
45	LAW CELL	SI LOTON KR ROY SI DILIP GHOSH		9830447671 8017997208	-
46	CYBER CRIME CELL	ASI SUJOY GAYEN		9051319291 8420665125	-
47	OC SOG	ASI SUJOY GAYEN	2480-1615	90513-19291 70036-74765	sogddhpb@gmail.com
48	O/C DCRB DDH (Addl. Charge)	ASI DIPANJAN MAJUMDER	2480-1610	98744-61555	dcrbdiamondharbour@gmail.com
49	O/C WACH DDH	SI SUJAN SAHA		98302-75667	-
50	O/C CR DDH	ASI DIPANJAN MAJUMDER	2480-1612	98744-61555	-
51	SHYAMGUNGE ROP (Birlapur)	SI ANIRBAN HALDER (Nodakhali PS)	033-2420- 9002	9836052121	
52	BUDGE BUDGE TOP	SI DHIMAN BAIRAGI	033-2470- 1233	80179-91533	
53	ZINJIRA BAZAR IC	ABHISHEK BISWAS	033-2401- 0027	98743-84902	
54	KALITALA IC	SANJOY KR. MONDAL		98309-16601	
55	PUJALI IC	AJOY DAS		90515-00275	
56	SI DIPESH CH. SAHA (DEB)	98317-21467			
57	SI DULAL CH. DAS (AHTU)	72787-36955			
58	SI ASHIM DAS (TRAFFIC)	98745-87015			
59	SI KUMARESH DAS Departmental Store	98517 74432			

60	UDAY SANKAR HALDER (READER TO SP)	99030 - 24262			
61	ASI ASHIM SUR (MAJOR DDH)	85850-44230			
62	ASI NABIN PATRA (MT SEC.)	98312-16315			
63	CHANDRAJ IT GHOSH (HG SEC)	81006-76773			

SUNDARBAN POLICE DISTRICT

SL NO	NAME	DESIGNATION	e-mail. Id	TELEPHONE NO.	MOBILE NUMBER	Office Address
1	Shri. Tathagata Basu, IPS	SUPERINTENDENT OF POLICE, SPD	sundarbanpolicedistrict@gmail.com	03210 – 255701	9734234363	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
2	Shri Praween Prakash, IPS	ADDL. SUPERINTENDENT OF POLICE , (ZONAL), SPD	adlpsundarban@gmail.com	03210 – 255704	9073343501	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
3	Shri. Santanu Sen, WBPS	DY. SP (ADMN), SPD	dyspadmspd@gmail.com	03210 – 255706	9830305449	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
4	Shri. Tarak Ch. Pal	DY. SP, DIB, SPD	spdibspd@gmail.com	03210-255707	9434246040 8617247839	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
5	Shri. Ases Bikram Dastidar	SDPO KAKDWIP, SPD	sdpokakdwip@gmail.com	03210 - 256535	9836015155	Subhashnagar, PO & PS- Kakdwip, Pin- 743347
6	Shri. Debasis Banerjee	DY. SP, MANDIR BAZAR, SPD	dspmandirbazar@gmail.com		9830940010 8777575442	Bijoyganj Bazar, MRF Tower Building, PO-Ghateswar, PS-Mandir Bazar
7	Shri Rohed Shaikh, WBPS	DY. SP (Traffic) , SPD	specialtrafficofficespd@gmail.com		9073331356	Vill & PO & PS- Kakdwip, Pin- 743347
8	Shri. Uday Kumar Chatri	RESERVE INSPECTOR, SPD	-	03210 – 255706	8906431408	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
9	Shri Subhobrata Ghosh	CI KAKDWIP, SPD	cikakdwip@gmail.com	03210 - 255180	9830060249	Kakdwip Bazar, PO & PS- Kakdwip, Pin- 743347
10	Shri. Arindam Bhattacharjee	CI MANDIRBAZAR, SPD	cimboffice@gmail.com	03218 - 207037	9830076862	Vill & PO- South Bishnupur, PS-Mandir Bazar, Pin- 743395
11	Shri Alex Manish Kandulan	DEO-1, DEB, SPD	-		9433185356	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
12	Shri. Amitavo Nandi	INSPECTOR, TELECOM.	-	03210 - 255711 03210 - 255714	8335973532	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal,

						Kakdwip
13	SI Bapi Roy	OC MANDIRBAZAR PS	laxmikantapur@gmail.com	03174 - 260470	9674744894	Vill & PO & PS- Mandir Bazar, Pin- 743395
14	SI Aninda Mukharjee	OC RAIDIGHI PS	psraidighi@gmail.com	03174 - 262426	9874619278	Vill & PS- Raidighi, PO- Bakultala, Pin- 743349
15	SI Sibendu Ghosh	OC MATHURAPUR PS	psmathurapur@gmail.com	03178 - 224501	9051040060	Vill, PO & PS Mathurapur,
16	SI Sanjoy Kr. Dey	OC KULPI PS	kulpi100@gmail.com	03174 - 266222	9874940888	Vill & PO & PS- Kulpi, Pin- 743351
17	SI Salil Kr. Mondal	OC DHOLAHAT PS	psdholahat@gmail.com	03174 - 232540	9836391168	Vill- Dhola, PO & PS- Dholahat, Pin- 743399
18	SI Tarun Kr. Roy	OC NAMKHANA PS	namkhanaps@gmail.com	03210 - 226200	9874665691	Vill & PO & PS- Namkhana, Pin- 743357
19	SI Goutam Saha	OC SAGAR PS	pssagar2015@gmail.com	03210 - 242555	9830072245	Vill & PO- Harinbari, PS- Sagar, Pin- 743373
20	SI Somnath Dey	OC PATHAR PRATIMA PS	pspatharpratima@gmail.com	03210 - 267329	8001115336	Vill- Dakshin Shibganj, PO & PS- PPM, Pin- 743371
21	SI Sudip Singh	OC KAKDWIP PS	pskakdwip@gmail.com	03210 - 255020	9874425206	Vill & PO & PS- Kakdwip, Pin- 743347
22	SI Samaresh Ghosh	OC FREZERGANJ COASTAL PS	frezerganjps@gmail.com	03210 - 255100	9874525306	Vill- Lakshimpur, PO- Lakshimpur Prabartak, Pin- 743357
23	SI Prosenjit Jana	OC GOBARDHANPUR COASTAL PS	psgobardhanpurcoastal@gmail.com		7407001221	Vill- Uttar Surendraganj(G-Plot), PO- Daspara, PS- Gobardhanpur Coastal
24	SI Debasish Roy	OC GANGASAGAR COASTAL PS	ocgscoastal@gmail.com		9836108137	Gayen Bazar, under Dhablar G.P, PS- Gangasagar Coastal
25	SI Krishnendu Biswas	OC HARWOOD POINT COASTAL PS	harwoodpointcoastalps@gmail.com		9874585817	Lot No.-8, PO- Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
26	SI Subhasish Dutta	RO -1, SPD		03210 - 255705	9674390890	Lot No.-8, PO- Kakkalinagar, PS- Harwood Point Coastal, Kakdwip

27	SI Alock Mukherjee	RO - WELFARE, SPD			8902391766	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
28	SI Debdip Jash	OC, WATCH, DIB, SPD	spdibspd@gmail.com	03210 - 255707	7044064819	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
29	SI Santanu Ghosh	MTO, SPD	-		9073696405	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
30	ASI Prabir Kr. Bal	OC, SOG, SPD	sogspd2017@gmail.com	03210 - 255713	8017481002	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
31	ASI Soumitra Baran Si	OC, DCRB, SPD	dcrbspd17@gmail.com	03210 - 255709	9064342412	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
32	ASI Prasanta Banerjee	OC- CONTROL ROOM, SPD	-	03210 - 255703	9073696406	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
33	ASI Sujit Bairgi	RO HIGH COURT, SPD	-		9679259815	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip
34	LASI Sabina Alam	OC Woman Cell & MPB, SPD		03210 - 255711/714	7980311290	Lot No.-8, PO-Kakkalinagar, PS- Harwood Point Coastal, Kakdwip

**Contact Details of
P.W.D, P.H.E and I & W Dte.**

Public Work Department (P.W.D)			
Sl. No.	Designation	Address	Contact Details
1	Superintending Engineer, Eastern Circle, PWD	45, Ganesh Chandra Avenue, 4 th Floor, Kol-13.	Ph: 22158103/ 2368173 Fax: 22346162 Mobile: 9830178268 E-mail: seeasterncircle@gmail.com
2	Superintending Engineer, Southern Circle, PWD	76, Dr. D. R Road, Lake Gardens, Kol-33.	Ph: 2422-0318 Fax: 24224018 Mobile: 9433028272 E-mail: sescpwd1@gmail.com
3	Executive Engineer-I, Alipore Division, PWD	Bhabani Bhaban New Building, 1st Floor, Alipore, Kolkata – 700 027	Ph: 2479-0130 Mobile: 9830149949/ 9433301541 E-mail: exealipwd@yahoo.com
4	Executive Engineer-II, Alipore Division, PWD	Bhabani Bhaban New Building, 1st Floor, Alipore, Kolkata – 700 027	Ph: 2450-6007, 2479-0130 Mobile: 9477217258 E-mail: exealipwd@yahoo.com, hsnhai@yahoo.co.uk
5	Executive Engineer, Diamond Harbour Division, PWD	Kalpukurpara, PWD Compound, Diamond Harbour, Pin – 743 331	Mobile: 9433151580 E-mail: pwddhdiv@rediffmail.com
6	Executive Engineer, South 24-Parganas Highway Division, PWD (Roads)	Bhabani Bhaban, New Bldg., 6th Floor, Alipore, Kolkata – 700 027	Ph: 2439-8387 Fax: 2439-8387 Mobile: 9073363116 E-mail: ee24parganas@gmail.com
7	Executive Engineer, Diamond Harbour Highway Division, PWD (Roads)	Puratan Bazar, Dakshin Hazipur, Diamond Harbour, Pin – 743 331	Ph: 03174-255294 Mobile: 9874462649 E-mail: dhhwdn@yahoo.in
8	Executive Engineer, South Kolkata Health Electrical Division,	75, D.H Road, Kol-23.	Mobile: 9073363040/ 9733364409 E-mail: ee1sthkolhedpwd@wb.gov.in

Public Health Engineering (P.H.E)			
Sl. No.	Designation	Address	Contact Details
1	Superintending Engineer, South 24-Parganas Water Supply Circle, PHE	CIT Super Market, West Side, 2nd Floor, 33 & 33/1, Chetla Central Road, Kolkata – 700 027	Ph: 2439-8013 Mob: 8777382064 E-mail: ee_s24wsc@wbphed.gov.in ee_s24d1@wbphed.gov.in
2	Executive Engineer, Alipore Division, Public Health Engineering Directorate	45, Ganesh Chandra Avenue, Kolkata – 700 013	Ph: 2236-5489 Fax: 2236-5489 Mobile: 9073906187 E-mail: ee_ali@wbphed.gov.in
3	Executive Engineer, South 24- Parganas Mechanical Division, Public Health Engineering Directorate	33 & 33/1, Chetla Central Road, 2nd Floor, Kolkata – 700 027	Ph: 2439-9763 Fax: 2448-4209 E-mail: ee_s24me@wbphed.gov.in
4	Executive Engineer, South 24- Parganas Water Supply Division-I, Public Health Engineering Directorate	33 & 33/1, Chetla Central Road, 2nd Floor, Kolkata – 700 027	Ph: 2439-8012, 2449-8223 Fax: 2448-4209 Mobile: 9836823344 E-mail: ee_s24d1@wbphed.gov.in, eeswd1phe@in.com

5	Asstt. Eng., Kakdwip Sub-Div. Public Health Engineering	Akshaynagar, Kakdwip, South 24 Parganas	Ph: 03210-255640 Mobile :9433336632 E-mail:arunhalder3@gmail.com
6	Asstt. Eng., Raidighi Sub- Div.	Joynagar	Ph: 03218 220913 Mobile :9163920962 E-mail:somnathpaul83@gmail.com
7	Asstt. Eng., D/ Harbour Sub- Div.	Water Tank Para, Diamond Harbour, Pin-743331	Ph: 03174 256577 Mobile: 9433651873
8	Asstt. Eng., Alipore Sub-Div.		Ph: 2479 1743 Mobile :9831296829

Irrigation & Waterways (I&W)

Sl. No.	Designation	Address	Contact Details
1	Superintending Engineer, I & W, Eastern circle	Eastern circle	Ph.- 033-22528289 Mob-9007341338 Mail: seeciwd2010@gmail.com
1	Executive Engineer, Canals Division, I&W	11A, Mirza Galib St., Kolkata – 700 087	Ph: 2252-1811 Mobile: Canal 1: 9748153043 Canal 2: 9433879282 E-mail: eecanalsiwd@yahoo.com, ee2canalsiwd@gmail.com
2	Executive Engineer, Joynagar Irrigation Division, I&W	11A, Mirza Galib St., Kolkata – 700 087	Ph: 2252-2887 Fax: 2252-8289 Mob: 9874863405 E-mail: eejirgnd@gmail.com, iwdeejid@gmail.com
3	Executive Engineer, Kakdwip Irrigation Division, I&W	Irrigation Colony Compound, Opposite SBI, Kakdwip	Ph: 03210-255122, Fax: 03210-257012 Mobile: 9831101505 E-mail: eekisd@gmail.com
4	Executive Engineer, Calcutta Drainage Outfall Division, I&W	Jalasampad Bhawan(6th floor),Salt Lake, Kolkata-700091	E-mail: eecdod@gmail.com
5	Executive Engineer, Magrahat Drainage Division, I&W	Jalasampad Bhavan, 2nd Floor, Salt Lake, Kolkata – 700 091	Ph: 2358-6035 Mobile: 9477066893 E-mail: executive.mograhat91@gmail.com
8	Executive Engineer, Suburban Drainage Division, I&W	Jalasampad Bhavan, 7th Floor, Salt Lake, Kolkata – 700 091	E-mail: eesddiw@gmail.com
9	Executive Engineer, Urban Drainage Division, I&W	Jalasampad Bhavan, 4th Floor, Salt Lake, Kolkata – 700 091	Ph: 2334-0019 Mobile: 8016528381 E-mail: eeuddiwd@yahoo.com

Contact Details of Health

District Hospital	Name of Superintendent	Mobile number
M.R.Bangur Hospital	Dr Tapas Ghosh	9434707070
District Hospital	Name of AsstSupdt	Mobile number
M.R.Bangur Hospital	Ritesh Kr Mallick	9830201951
	Ajanta Roy Mitra	8335810066
SD / SG Hospital	Name of Superintendent	Mobile number
Baruipur SDH	Dr. Jaya Banerjee	9433392736
Canning SDH	Dr. Arghya Choudhury	9732770718
Garden Reach SGH	Dr. Subhabrata Das	9474316287
Vijaygarh SGH	Dr. Sushmita Roy	9830226967
Baghajatin SGH	Dr. Gourab Roy	9153320581
Vidyasagar SGH	Dr Uttam Majumder	9038340500
Amtala RH	Dr. Apurba Kr Biswas	9432402019
Sub division	Name of ACMOH	Mobile number
ACMOH Sadar	Dr. Sagarika Kumar (In charge)	983075952
ACMOH Baruipur	Dr. Mridul Ghosh	9874226222
ACMOH Canning	Dr. Indranil Sarkar	9434188235

Communication (District Level) (For South 24 Pgs)				
Activity	Name of Nodal Office	Mobile No	Alternate responsible officer (in absence of Nodal Officer)	Mobile No
Overall	Dr. Somenath Mukherjee (CMOH)	8478872637/ 9477328216	Dr.Bimal Krishna Paul Dy CMOH-II	9681624228
Reporting	Dr.Bimal Krishna Paul	9681624228	Dr. Swapan Kumar Das (Dy CMOH-I)	9474507330
	(Dy CMOH-II)			
Logistics (Drugs)	Dr. Swapan Kumar Das (Dy CMOH-I)	9474507330	Dr.Bimal Krishna Paul Dy CMOH-II	9681624228
Logistics (Transport)	Dr. Swapan Kumar Das (Dy CMOH-I)	9474507330	Dr.Bimal Krishna Paul Dy CMOH-II	9681624228
Intersectoral coordination	Dr. Somenath Mukherjee (CMOH)	8478872637/ 9477328216	Dr.Bimal Krishna Paul	9681624228
			(Dy CMOH-II)	
Media Management	Dr. Somenath Mukherjee (CMOH)	8478872637/ 9477328216	Dr.Bimal Krishna Paul	9681624228
			(Dy CMOH-II)	

Communication, Flood Prone Blocks, South 24 Parganas				
Block name	Name of BMOH	Mobile No.	Alternate responsible officer (in absence of BMOH)	Mobile No.
Gosaba	Dr. Prasanta Mondal	9836776377 9433418337	Dr. Soumitra Kamar	9732625505
Basanti	Dr. Ramkrishana Ghosh	9635081949	Dr. Tarekh Anwar Sardar Soma Samanta (BPHN)	8820920671 9732437228
Canning-I	Dr. Prabir Kumar Halder	9733790730	Dr. Ranjan Kumar Mandal Santanu Debnath	9735405205 9732686351
Canning-II	Dr Haripada Maji	9830839262	Dr Debasis Roy	9836237363
Sonarpur	Dr Sarbani Ghosh	9163890239	Dr. Pradip Dutta	9836173177
Baruipur	Dr. Madhumita Biswas	9433388900	Dr. Ramprasad Naskar Dr. Arabinda Purkait	9007174054 9830937136
Kultali	Dr. Supada Mondal	9830730234	1. Dr. Utiyia Mondal 2. Dr. Chitralekha Sardar 3. Gunadhar Sardar 4. Aninda Ghosh	9674299004 7063079458 9002312953 8296631939

Contact Details

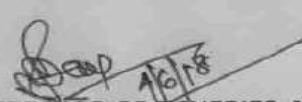
**Assistant Director of Fisheries, Marine ,Diamond Harbour
and Association related to Marine Fishing Operation,
South 24 Parganas**

ADF Marine, Diamond Harbour: 9474505218

Email: adfsouth24pgs1@gmail.com ; Phone & Fax No. : 03174-255236

**STATEMENT SHOWING THE NODAL PERSON (s); ASSOCIATED WITH THE MARINE FISHING
OPERATION ALONG THE COAST (s) OF THE SOUTH 24 PARGANAS, NORTH 24 PARGANAS &
HOWRAH DISTRICTS.**

Sl no.	Name of the Fishermen Association	Block	Secretary/ Chairman	Contact No.
1	Kakdwip Fisherman Association	Kakdwip	Tejen Das	9732546297
2	Dakshinbanga Matsyajibi Forum	Diamond Harbour	Milan Das	9800266065 7872407611
3	Sundarban Matsyajibi Sramik Union	Kakdwip	Satinath Patra	9434404260
4	Akshaynagar Sundarban Matsyajibi Samity	Kakdwip	Narayan Das	9732986657
5	Freserganj Fishermen Association	Namkhana	Sahadeb Mondal	9830513850
6	South Sundarban Fish Worker and Fishermen Association	Namkhana	Mojam Khan	9609350218
7	Sundarban Shibpur Dasmile Matsyajibi Welfare Samity	Namkhana	Madan Mondal	9933905176
8	Kaylaghata Fishermen Association	Namkhana	Himangsu Mondal	9734385404
9	Amarabati Fishermen Association	Namkhana	Abhimanya Debnath	9732978990
10	South Sundarban Fish Worker and Fishermen Association	Kultali	Joykrishna Halder	9732795510
11	South Sundarban Fish Worker and Fishermen Association	Roydighi	Habulal Kayal	9933088234
12	Sundarban Upakuliya Matsyajibi-O-Matsyachasi Sramik Karmachari Union	Kultali	Binay Das	7699972066
13	Sagar Samudrik Matsyajibi Samabay Samity	Sagar Radhakrishnapur	Abdar Ali Saha	9932097219
14	Sagar Sangam Marine Matsyajibi Khuti Samabay Samity Ltd.	Sagar	Abdar Mallick	9932428075
15	Diamond Harbour Maa Ganga Matsyajibi Kalyan Samity	Diamond Harbour	Nilratan Sarkar Arobinda Mondal	9547148441 9933659302
16	Akshaynagar Rani Rasmoni Matsyajibi Samabay Samity, kakdwip	Kakdwip	Samir Das	9734374460
17	Roydighi Fisherman owner's welfare Association	Mathurapur – II	Sajal Sahu	8436059563
18	Jharkhali Laskarpur Samudrik Matsyajibi Samabay Samity	Basanti	Sukumar Sikder	9733939849
19	Sundarban Samudrik Matsyajibi	Basanti	Noor Kalam Molla	9733927729
20	Chuprijhara Marine Matsyajibi Samabay Samiti Ltd.	Joynnagar -II	HUmayan Sk.	9732514610


ASSISTANT DIRECTOR OF FISHERIES, MARINE ,
DIAMOND HARBOUR, SOUTH 24 PARGANAS.

**List of Block wise GR Dealers with their
contact details, South 24 Parganas**

Sl. No.	Name of GR Dealer	Block Name	Address with Land Phone No.	Mobile No.
1	Safed Ali Halder	Joynagar-II	Vill- Baishata,P.O.- Jouthia P.S.- Joynagar,PIN- 743338	9609201420
2	Emadul Haque Molla	Diamond Harbour-I	Vii: Mohanpur; Po Chandnagar,Diamond Harbour, South24 Pgs	9433300857
3	Sukumar Ghoshal	Bhangore-I	Bhangar Bazar,P.O. Bhangar, P.S. Bhangar	9333821639
4	A. Pal	Bhangore-I	Sanksahar Bazar, Bhangar, P.S. Bhangar	9733512139
5	Subrata Sardar	Bhangore-I	Tardaha Bazar, P.O. Tardaha, P.S. K.L.C.	9333709851
6	Abdul Hamid Sardar	Bhangore-I	Narayanpur, P.O. Paglarhat, P.S. Bhangar	9732811919
7	Nemai Ch. Naskar	Bhangore-I	Sundia Bazar, P.O. Chandaneswar, P.S. Bhangar	9830819740
8	Dasurathi Paul	Bhangore-I	Chandaneswar Bazar, P.O. Chandaneswar	
9	Uttam Biswas	Bhangore-I	Bodra Bazar, P.O. Bodra, P.S. Bhangar	9732975935
10	Swapan Pal	Bhangore-I	Garanberia, P.O. Narayanpur, P.S. Bhangar	9800459500
11	Abu Morsed Molla	Bhangore-I	Sondalia Bazar, P.O. Bodra, P.S. Bhangar	9735647174
12	Sahabuddin Molla	Falta	Banganagar – I	9830899431
13	Kartik Chandra Kar	Falta	Banganagar – II	9432886013
14	Asit Kumar Pramanik	Falta	Belsingha – I	9474192479
15	Asim Kumar Pal	Falta	Belsingha – II	9474577007
16	Joydeb Ghosh	Falta	Chaluary	9647015177
17	Kamala Halder	Falta	Debipur	9800006996
18	Amal Kumar Mandal	Falta	Falta	9647142132
19	Balaram Sarkar	Falta	Fatepur	9933821110
20	Ajehar Ali Sekh	Falta	Gopalpur	9732545235
21	Angurbala Roy	Falta	Harindanga – I	9775121037
22	Angurbala Roy	Falta	Harindanga – II	9775121037
23	Mrityunjay Mandal	Falta	Mallikpur	9609389711
24	Swapan Kumar Das	Falta	Noapukuria	9874129128

25	Shri Arjun Mondal	Kultali	Vill.+P.O.-Kaorakhali,P.S.-Kultali, Pin- 743338, Dist.-South 24 Parganas.	8145157165
26	Mahadev Mandal	Namkhana	Budhakhali	9609385023
27	Nitai Charan Das	Namkhana	Narayanpur	9933094257
28	Nanda Dulal Samanta	Namkhana	Namkhana	8145088653
29	Shyamal Kumar Koyal	Namkhana	Haripur	9732411755
30	Pradip Bera	Namkhana	Shibrampur	9732880386
31	Biraj Kola	Namkhana	Fresergunj	9732575712
32	Manotosh Rana	Namkhana	Mousuni	9002005870
33	M/S. Anath Taran Mondal Prop: Ramkrishna Mondal	Magrahat-I	Vill+P.O.+P.S.-Usthi, South 24 Parganas, Pin-743375 & Phone No. : 03174-250195	9735188906
34	Magrahat-I Large Size Co-Operative Marketing Society Ltd. Manager: Md Faridul Islam	Magrahat-I	Vill+P.O.+P.S.-Usthi, South 24 Parganas, Pin-743375 & Phone No. : 03174-250106	9932120770
35	Abdul Salam Laskar	Mandirbazar	Gorijola, Mandirbazar, South 24 Parganas	9635342526
36	Shyamal Chakraborty	Mandirbazar	South Bishnupur, Mandirbazar, South 24 Parganas	9732548405
37	Pranabendu Gayen	Mandirbazar	Pukuria, Mandirbazar, South 24 Parganas	9732514619
38	Gangadhar Sarkar	Mandirbazar	Chaughari, Mandirbazar	9733612314
39	Madan Sarkar	Mandirbazar	Bidyadharpur, Mandirbazar, South 24 Parganas	9732926381
40	Gokul Purkait	Mandirbazar	Dayarampur, Mandirbazar, South 24 Parganas	9732426506
41	Sankar Gayen	Mandirbazar	Bijaygunj Bazar, Mandirbazar, South 24 Parganas	9932226399
42	Ajibar Rahaman Sardar	Bishnupur-I		9748465651
43	Associate Supply Agency	Bishnupur-II		2470-9334, 2480-9245, 9831175235 (Yakub)
44	Sailendranath Sarkar	Budge Budge-I		2470-5614, 9830480589
45	Union Farmers Co-opt	Budge Budge-II		2470-0230
46	Sushanta Kumar Patra	T/ Maheshtala		9903276938
47	D.K Enterprise	Maheshtala Municipality		9748777196

48	Sailendranath Sarkar	Budge Budge Municipality		2470-5614, 9830480589
49	Sailendranath Sarkar	Pujali Municipality		2470-5614, 9830480589
50	Sk Majed, Ghoramara	Sagar	Ghoramara Mud Point	7797461343
51	kanailal Mal, M.G-I	Sagar	Bamankhali	9933964117
52	bhantu Maity, M.G-II	Sagar	Mandirtala	9732504249
53	Prafulla Khatua, D.S-I	Sagar	Sumatinagar	8145385784
54	Prafulla Khatua, D.S-II	Sagar	Gobindapur	8145385784
55	Pravanjan Mondal, Ramkarchar	Sagar	Harinbari	9434614887
56	Dhirendranath Bej, Rudranagar	Sagar	Manasadwip	9635400921
57	Tapan Bera, Gangasagar	Sagar	Surjabinda, Gangasagar	9475043816
58	Nilkantha Bhunia, Dhablat	Sagar	Chemaguri	9564713390
59	M/S Sree Traders	Sonarpur	Nayabad, Kheadah-I G.P.	9830407458
60	Ratan Chandra Pal	Canning-I	Matla-I	9733555951
61	Golam Hossein Shaik	Canning-II	Parganti	9732581430
62	Hasanulla Laskar	Canning-II	Makhaltala	983619471
63	Dulal Chandra Saha	Basanti	Nafargunje	9732159471
64	Chharuddin laskar	Basanti	Kanthalberia	9732520105
65	Prasanta Mondal	Gosaba	Gosaba	9732857507
66	Sree Trader,	Baruipur	Puratan Bazar, Baruipur	9836559437
67	Kazi Usman Ali	Bhangore-II	Jangalia, 91 Bus Stand	9775608045
68	Susmita Ghosh (Sen)	Joynagar-I	Baharu	9733887447
69	Amit Kr. Bhakat	Kakdwip	Vidyamaga, Kakdwip	02310-255086, 9434075086
70	Parotosh Sahoo	Patharpratima	Ramganga	9732876390

THANK YOU

