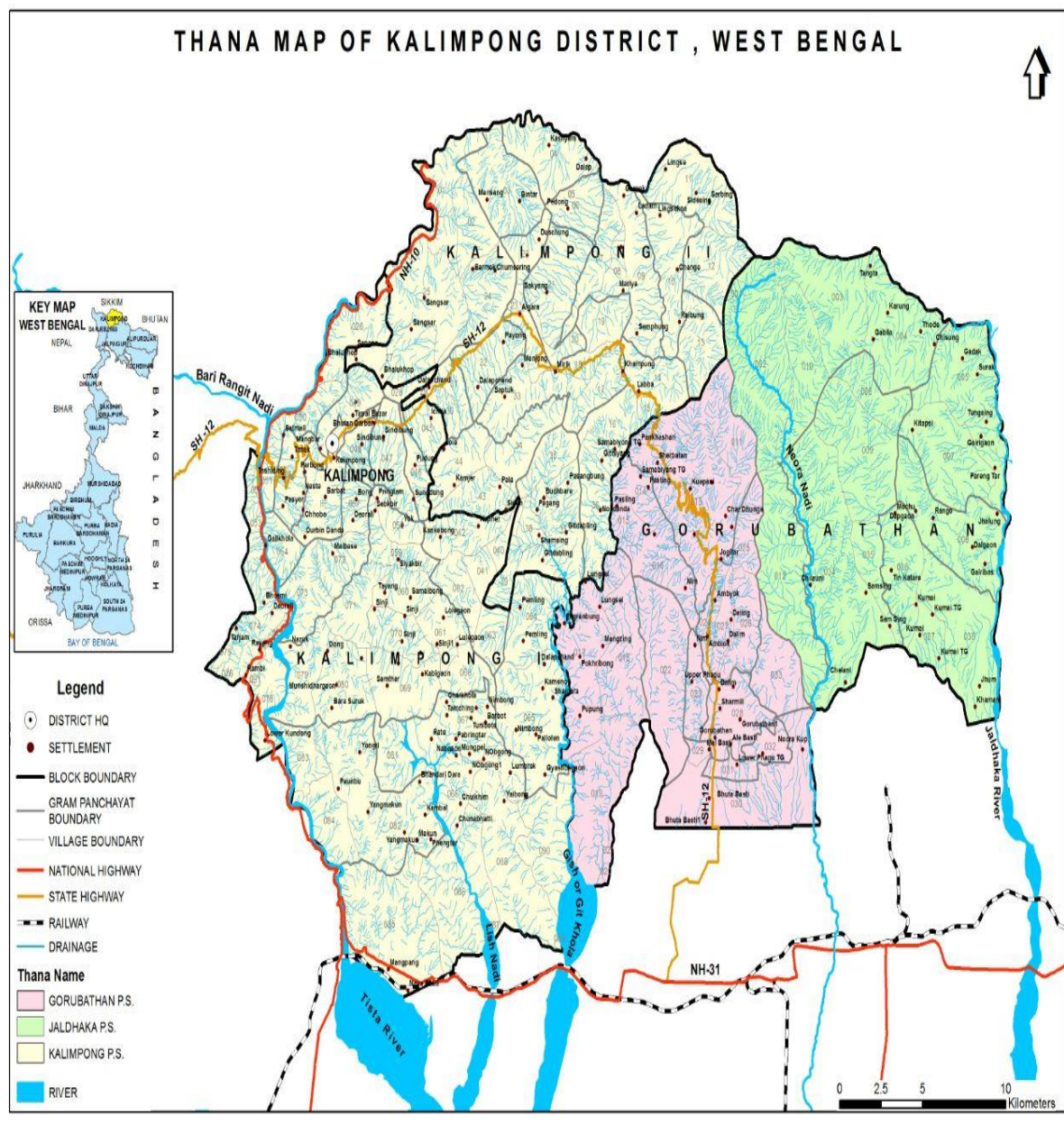


## DISTRICT DISASTER MANAGEMENT PLAN-2019,KALIMPONG



## **FOREWORD**

It is a well-known fact that we all are living in a world where occurrence of disasters whether anthropological or natural are increasing year by year in terms of both magnitude and frequency. Many of the disasters can be attributed to man. We, human beings, strive to make our world comfortable and convenient for ourselves which we give a name 'development'. However, in the process of development we take more from what Nature can offer and in turn we get more than what we had bargained for. Climate change, as the experts have said, is going to be one major harbinger of tumult to our world. Yet the reason for global warming which is the main cause of climate change is due to anthropological actions. Climate change will lead to major change in weather pattern around us and that mostly will not be good for all of us. And Kalimpong as a hilly district, as nestled in the lap of the hills as it may be, has its shares of disasters almost every year. Monsoon brings landslide and misery to many people. Landslides kill or maim people, kill cattle, destroy houses, destroy crops, sweep away road benches cutting of connectivity and in the interiors rivulets swell making it difficult for people particularly the students to come to school. Hailstorm sometimes destroys standing crops like cardamom resulting in huge loss of revenue. Almost every year lightning kills people. And in terms of earthquake the whole district falls in seismic zone IV. Therefore, Kalimpong district is a multi-hazard prone district and the District Disaster Management Plan is prepared accordingly. The aim of this handbook is to provide a strategy for overall management of disaster in its all three phases, namely pre-disaster, during-disaster and post-disaster scenario. Hazard, Vulnerability, Capacity & Risk Assessment has been based on the past history of disasters along with ground level assessment. An attempt has been made to follow the guidelines as laid down by the DM Act, 2005 and the guidelines as provided by the NDMA.

It is the aim of the District Authority to turn this handbook (DDMP) into not only a guidebook regarding disaster management but to incorporate it as an effective Decision Support System (DSS) tool during actual disaster situation and as a guide to disaster preparedness and mitigation measures during normal situation. I extend my sincere thanks to everyone associated with the preparation of this DDMP handbook for 2019.

**Dr. Vishwanath I.A.S**  
**District Magistrate,**  
**Kalimpong**

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# **Chapter 1**

## **Introduction**

## ***DRAFT***

# **DISTRICT DISASTER MANAGEMENT PLAN (DDMP), KALIMPONG WEST BENGAL**

## **Chapter 1**

### **INTRODUCTION**

Increasing frequency of disaster incidents across the globe has become a common phenomena leading to deaths and devastation along with socio-economic fallout. Kalimpong district being situated in the multi hazard zone certainly faces its share of disasters from time to time. This not only creates a devastating impact on people's lives but also impedes developmental work and consumes resources earmarked for growth and welfare. Therefore, a holistic approach towards managing disasters integrating the prevention, preparedness, response and mitigation activities is indispensable to a disaster management plan. Therefore, a planned approach is needed to minimize the severity of disaster impact through appropriate disaster risk reduction measures and preparedness mechanisms which is vested in the district Disaster Management Plan.

According to the Disaster Management Act 2005, Section 2(d) 'Disaster' means a catastrophe, mishap, calamity or grave occurrence in any area, arising from natural or manmade causes, or by accident or negligence which results in substantial loss of life or human suffering or damage to and destruction of property, or damage to, or degradation of environment and is of such a nature or magnitude as to be beyond the coping capacity of the community of the affected area.

Section 2 (e) defines 'Disaster Management' as a continuous and integrated process of planning, organizing, coordinating and implementing measures which are necessary or expedient for

- (i) Prevention of danger or threat of any disaster;
- (ii) Mitigation or reduction of risk of any disaster or its severity or consequences;
- (iii) Capacity building;
- (iv) Prompt response to any threatening disaster situation or disaster;
- (v) Assessing the severity of magnitude of effects of any disaster;
- (vi) Evacuation, rescue and relief.

### **1.1 Aims of District Disaster Management Plan (DDMP)**

The primary aim of the DDMP is to provide the District Disaster Management Authority (DDMA) and all the stake-holders with a readily available information of the whole district regarding areas vulnerable to major types of disasters, natural or anthropological; to help adopt measure towards prevention and mitigation of disasters; to define and assign tasks and responsibilities to different authorities at the District level and local authorities for the prevention and mitigation of disasters whenever necessary in terms of Sub-Section (2)(v) of Section 30 and above all to maintain a state of preparedness for prompt response to major disasters. Contact numbers of all important officials who are required to play pre-defined roles during all three phases of a disaster are included in the plan.

## **Objectives of DDMP**

The main objectives of the DDMP as envisaged in the DM Act, 2005 are to facilitate in the various preparedness measures which will help:

- i) Minimize the loss of human lives.
- ii) Minimize the loss of livestock.
- iii) Minimize the loss to property and infrastructure.
- iv) Minimize ill effects on the health of the affected population.
- v) Minimize the time frame for restoring the human activities in the locality to normal.
- iv) To enhance disaster resilience of the people in the district by way of capacity building.
- v) Reduce the loss of public and private property, especially critical facilities and infrastructure, through proper planning.
- vi) Manage future development to mitigate the effect of natural hazards in the district.
- vii) To set up an Emergency Operations Centre at the District level to function effectively in search, rescue, response.
- viii) To develop the standardized mechanism to respond to disaster situation to manage the disaster efficiently.

When a disaster strikes the DDMP should be able to aid the authorities in decision making and during normal times or pre disaster phase it should provide assistance in policy making like in the field of land use policy, building codes, etc.

### **1.2 Authority for DDMP: DM Act 2005**

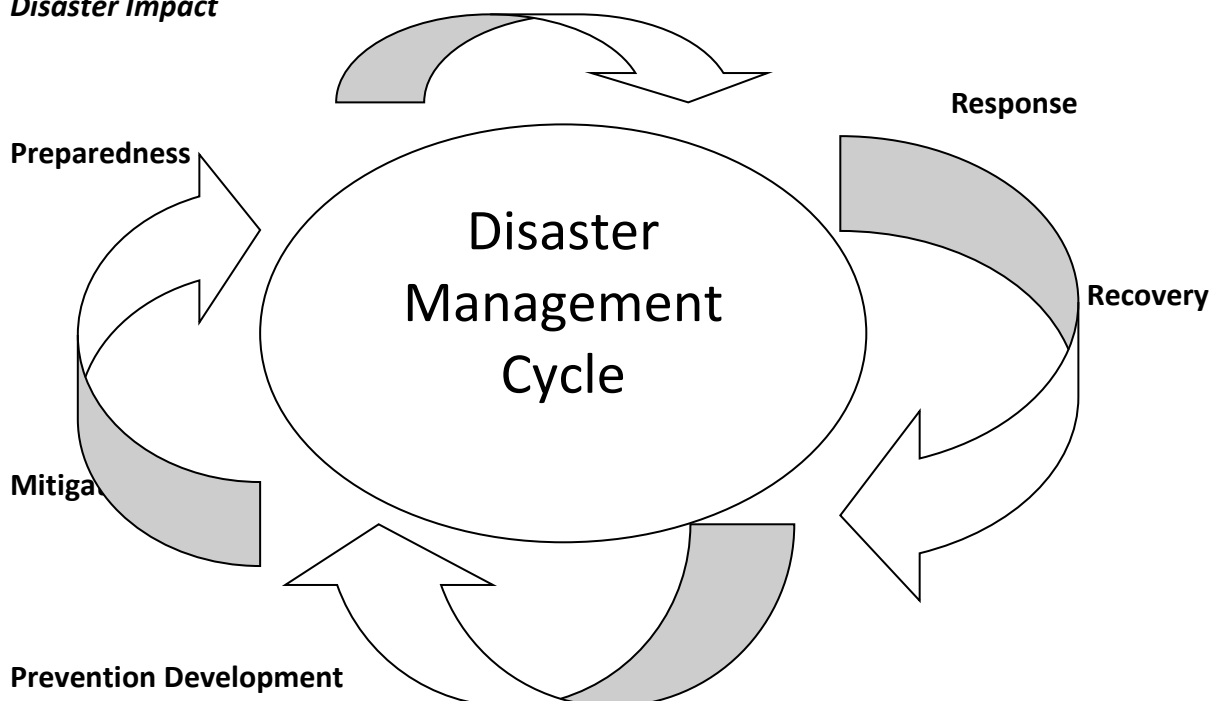
The authority for preparation of DDMP has been vested under Sub-section (1) of Section 31 of DM Act 2005 which states 'There shall be a plan for Disaster Management in every district of the State'. Sub-section (2) of Section 31 says that the plan has to be prepared by the District Authority, after consultation with the local authorities and having regard to the National and State Plan, to be approved by the State Authority. The Plan shall include –

- (i) The areas in the district vulnerable to different forms of disasters;
- (ii) The measures to be taken, for prevention and mitigation of disaster, by the departments of the Government at the district level and local authorities in the district;

- (iii) The capacity building and preparedness measures required to be taken by the Departments of the Government at the district level and the local authorities in the district to respond to any threatening disaster situation or disaster;
- (iv) The response plans and procedures, in the event of a disaster, providing –
  - (a) Allocation of responsibilities to the departments of the Government at the district level and the local authorities in the district
  - (b) The measures to be taken, for prevention and mitigation of disaster, by the Departments of the Government at the district level and the local authorities in the district to respond to any threatening disaster situation;
  - (c) The response plans and procedures, in the event of a disaster, providing for –
    - (i) Allocation of responsibilities to the departments of the Government at the district level and the local authorities in the district ;
    - (ii) Prompt response to disaster and relief thereof;
    - (iii) Establishment of communication links; and
    - (iv) The dissemination of information to the public;

**1.3 Evolution of DDMP:** In the past a DM Plan denoted a list of contact persons from different line departments who would have roles to play during disasters and plans were prepared keeping in view the on setting monsoon only. After the DM Act, 2005 came into existence it became imperative for states to make and submit DM Plans which included not only the disaster phase but also the pre disaster phase. West Bengal prepared and submitted a draft DM plan as early as in 2005. Kalimpong, as a sub division had been submitting DM plan every year and now as a newly formed district has been submitting DM plans since 2017. After the coming into existence of District Disaster Management Authority (DDMA) of Kalimpong vide Notification no.3507-RL/O/VI/7M-108/07-13<sup>th</sup> November, 2017 of the Government of West Bengal the Disaster Management plan is gradually evolving in accordance to the guidelines of NDMA.

## Disaster Impact



## Prevention Development

### 1.4 Stakeholders and their responsibilities:

- At the District level, District Disaster Management Authority, with the District Collector designated as Response Officer (RO), and other line departments at district HQ are responsible to deal with all phases of disaster management within district. Other stakeholders would include communities, local government and NGOs. The identified stakeholders with their responsibilities are:

Management	Disaster Management Department (D.M Office)
Law and order	Police Administration
Search and Rescue Operation	West Bengal Fire & Emergency Services, Kpg, Civil Defence, 2 <sup>nd</sup> Battalion NDRF stationed at Pariban Nagar, Siliguri, 27 <sup>th</sup> Mountain Division, 764 BRTF (GREF), S.D.R.F, WB
Communication	District information and cultural office (Kalimpong), West Bengal Police, Kalimpong, SDO (T) BSNL Kalimpong
Transportation	Air force Station (Bagdogra), Public Works (Roads) NH10, PWD roads (G.T.A & State), RTO, Kalimpong, KED
Services	Disaster Management Department (G.T.A), PHE Department, WBSEDCL (Kalimpong Division), WBF&ES, PHED (G.T.A), Agriculture Department, A.R.D Department (G.T.A), Irrigation and Water Ways dep't. (G.T.A), Food and Supplies Department (Kalimpong), Office of the C.M.O.H, SD Hospital, Kalimpong, K.E.D., TLD-IIIPS NHPC, D.F.O., Kalimpong, PHE NeoraKhola, Kalimpong Municipality, D.I. of Schools (Pry & Secondary)
Early Warning	Indian Meteorological Department, Kolkata



### **1.5 How to use DDMP : According to the guidelines of NDMA**

- i. Section 31 of DM Act 2005 makes it mandatory for every district to prepare a disaster management plan, for the protection of life and property from the effects of hazardous events within the district.
- ii. In significant emergencies or disasters, District Magistrate or the chairperson of DDMA will have the powers of overall supervision direction and control as may be specified under State Government Rules / State Disaster Management Plan guidelines.
- iii. The district EOC will be staffed and operated as the situation dictates. When activated, operations will be supported by senior officers from line departments and central government agencies; private sector and volunteer organizations may be used to provide information, data and resources to cope with the situation.
- iv. The DDMA may recommend for action under Sec 30 of DM Act.
- v. Facilities that have been identified as vital to operation of the district government functions have been identified.
- vi. The DM or his designee will coordinate and control resources of the District.
- vii. Emergency public information will be disseminated by all available media outlets through the designated media and information officer.
- viii. Prior planning and training of personnel are prerequisites to effective emergency operations and must be considered as integral parts of disaster preparations.
- ix. Coordination with surrounding districts is essential, when an event occurs, that impacts beyond district boundaries. Procedure should be established and exercised for inter district collaboration.
- x. Departments, agencies and organizations assigned either primary or supporting responsibilities in this document must develop implementation documents in order to support this plan.
- xi. When local resources prove to be inadequate during emergency operations, request for assistance will be made to the State or higher levels of government and other agencies in accordance with set rules and procedures.
- xii. District authority will use normal channel for requesting assistance and/or resources, i.e., through the District Emergency Operations Center (DEOC) to the State EOC. If state resources have been exhausted, the state will arrange to provide the needed resources through central assistance.
- xiii. The District EOC will coordinate with the State EOC, Agencies of the Govt. of India like IMD / CWC to maintain upto-date information concerning potential flooding, cyclones etc. As appropriate, such information will be provided to the citizens of the affected areas in the district.
- xiv. Upon receipt of potential problems in these areas, DEOC / designated officials will appropriately issue alert and notify action to be taken by the residents.
- xv. Disaster occurrence could result in disruption of government functions and, therefore, all levels of local government and their departments should develop and maintain procedures to ensure continuity of Government action.

**1.6 Approval Mechanism of DDMP:** As defined in Section 30 of DM Act 2005, DDMA shall act as the district planning; coordinating and implementing body for disaster management and take all measures for the purpose of disaster management in the district in accordance with the guidelines laid down by the National Authority and the State Authority.

Accordingly, the District DM plan shall be prepared by the District Authority, after consultation with the local authorities and having regard to the National DM Plan and the State DM Plan. The copies of the District Plan referred to in sub-sections (2) and (4) are to be made available to the Departments of the Government in the district. The district authority shall send a draft copy of the District Plan to the State Authority for approval and the same shall be uploaded in the DMD website post acceptance.

**1.7 Plan review and updation periodicity :** The District Plan is to be put to test by organizing training of events, exercising and simulating disaster incidents and thereby evaluating the effectiveness of the plan. Such review will determine whether the goals, objectives, decisions, actions and timing outlined in the plan will lead to a successful response and any error, weakness in the plan will be corrected. It has been mentioned in the DM Act 2005 that it shall review from time to time the implementation of the Plan and issue such instructions to different departments of the Government in the district as it may deem necessary for the implementation thereof.

# **Chapter 2 – Hazard, Vulnerability, Capacity & Risk Assessment**

## Chapter 2

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

This chapter has been prepared keeping in view the different risks faced by the district which will prove to be a hindrance in the path of the sustaining developmental gains and the need to prioritize areas that need attention. According to the NDMA the depth of HVCRA will depend on the availability of resources.

**2.1.1 Hazard Analysis:** List of hazards with probability of occurrence (frequency and magnitude): It would consist the type of hazards that the district is prone to, history of hazards, impact analysis of the worst case scenario, the area, people and infrastructure that are exposed to these hazards. It should also provide information about the exposure levels of various villages and cities that fall in multi-hazard zones. This chapter could also look at issues that are being faced in the district due to climate variability.

**2.1.2 Vulnerability Analysis:** UN ISDR has defined “vulnerability” as the conditions determined by physical, social, economic and environmental factors or processes, which increase the susceptibility of a community to the impact of hazards. The analysis would cover various social groups, infrastructure, properties, and environmental resources that are vulnerable to the impact of various hazards in the district. The vulnerabilities can be categorized as physical/material, economic, social/organizational and attitudinal/ behavioral and environmental. This section would also describe major trends and forces of development that push people to live in unsafe conditions that lead to generation of new vulnerabilities- e.g. population growth, industrialization, environmental degradation, etc. Details to be given in Annexure. List of vulnerable Talukas and villages (hazard-wise) be provided in the Annexure.

**2.1.3 Capacities and Resources Analysis:** It should highlight the capabilities and availability of resources with the district administration and stakeholders to reduce disaster risks and organize effective response. Capacities could include policies, institutions, equipments; early warnings trained human resources to handle variety of response & coordination functions and financial resources that the district stakeholders have for disaster risk reduction (DRR). The information and analysis gathered pertaining to the physical, technical and financial resources that are available with different departments and stakeholders would also be enlisted (number, type, location, condition etc). The inventory of resources available (equipment & skilled human resources) with each department & stakeholder, including private resources that can be utilized

for emergency response, should be prepared. Assessment of capacities and training needs of practicing engineers, architects and masons required for hazard resistant construction would be done. A list of departmental focal points with contact details should also be prepared while doing this analysis. Only analysis and outcome is to be given here. List of resources, availability and location is to be given in Annexure.

### **2.2.1 Socio – economic profile of the district.**

#### **District Profile**

Kalimpong district was formed after bifurcating Darjeeling district on 14<sup>th</sup> February 2017 vide notification no.35-PAR(AR)/O/2R-2/16, dt.07.02.2017 of P&AR Department of Government of West Bengal. It is one of the smallest districts among the 23 districts of West Bengal. Kalimpong district is situated on the northern part of West Bengal and shares boundary with Sikkim in the North, North-West, Darjeeling in the West, Jalpaiguri district in the South and the international border with Bhutan in the North-East, East. The major roads are NH-10 which runs from BirikDara under Kalimpong I Block and continues upto Ramphu border, SH-12 which runs from Teesta to Bhutta Bari under Gorubathan Block via Algarah-Lava. There are other minor roads constructed under PMGSY and GTA providing road connectivity to most of the rural areas.

The major river is the Teesta. And other rivers are the Leesh, the Gitkhola, the Chel, the Neora and the Jaldhaka. Apart from these there are many rivulets, streams and jhoras which intersperse the hilly slopes of the district.

Area	423 Sq. Mile of which 225 Sq. Mile is Forest. (1056.5 Sq. km)
Location	26° 51" North , 88° 53" East
Altitude(District HQ)	4101 ft. (1250mts.)
Temperature	Summer Max – 27 C, Min – 16, C Winter Max – 17 C, Min – 5C
Rainfall	Avg. Annual Rainfall : 220cm
Weather Pattern	Spring season – March and April, Summer – May, Monsoon – June to September, Autumn – October and

	November, Winter – December to February
Geological features	Composed of mostly phyllite, schists, Daling Series
Topography	Mostly hills
Tea Gardens Nos.	6 nos.
Tea Garden Workers	2834
Other Plantation Nos.	01
Other Plantation Workers Nos.	2701
Sub-Division	01 No
Police Station	03 Nos
Block	03 Nos.
Municipality	01 Nos.
Gram Panchayat	42 Nos.

## Demography

Male	Female	Total Population
1,27,501	1,23,067	2,25,568
Languages		Nepali, Hindi, English, Bangla

**2.2.2 Matrix of Past disasters in the district:** It is an established fact that the frequency of calamities both man-made and natural is seen to be increasing year by year. Though the man made calamities can be controlled, in case of natural calamities, there is very little chance to survive if preparations and systems of forecasting and safeguards are not in place. Now a days, Extreme weather conditions are becoming order of the day. Being in Seismic Zone IV, Kalimpong is precariously placed in terms of Earthquake and subsequent landslides and landslips also. The district possesses high mountains, deep gorge like valleys and steep slopes which extends its influence on rainfall. Huge water enters into the river in the form of rain and snowmelt and then gets discharged into the river. And again, in the one

hand short and intense rainfall leads to small but deadly landslides in the urban hill areas. On the other hand, continuous rainfall over a period of days leads to major landslides in rural areas. Due to the fragile nature of the Sub-Himalayan areas any earthquake of more than 6 in magnitude and reoccurrence of the heavy and continuous rainfall like 1968 may cause wide scale devastation in the hills and there may be huge loss of lives and properties. The seasonal rainfall mainly happens from June to October, however these days there is existence of so much cyclonic storm and depressions in this region and also presence of large mountains, the rainfall is not only limited to season only and the area gets drenched frequently even outside the season causing the saturation level of ground to stay pretty high.

### ***Type of Hazards***

- The District of Kalimpong is spread in three blocks which are located in hills where disasters like landslides, landslip, and earthquake are common feature.
- Hilly geographic terrain with rivers, rivulets and jhoras.
- Location of the land mass over seismic zone IV.
- Land slide and land slip is common feature during the monsoon .
- Landslide Prone areas are:
  - Kalimpong –I Block – Nimbong GP, Sindepong GP, Kalimpong GP, Bhalukhop GP and 6<sup>th</sup> Mile area, Chibo.
  - Kalimpong –II Block -Kashyong GP, Payong GP, Sangsay GP, Pedong, Sakyong GP, Lingsay GP, Lingsaykha GP, Lava- Gitdabling GP.
  - Gorubathan Block – Gorubathan –II GP, Paten-Godak G.P, Rongo GP.



*The satellite view depicting the vulnerable areas of the District of Kalimpong.*

**2.2.3 Hazard Risk Vulnerability Assessment (HVCRA):** Till a proper HVCRA is conducted, this section may include analysis of the matrix of past disasters on maximum severity and best practices. This section may also include Geographic Information System (GIS) maps.

#### **2.2.4 HAZARD PROFILE BASED ON HISTORY OF PAST DISASTERS:**

Name of Hazard	Year	Magnitude	Villages affected (Blocks and Municipalities)	Life lost
Landslide	1993	Incessant Rainfall	Whole Kalimpong affected but the worst affected was Bindu Bazar under Gorubathan Block	11 human lives lost
Landslide	1996	Incessant Rainfall	Whole Kalimpong affected but Geshok busty under Kalimpong I Block worst	25 human lives lost



			affected	
Landslide	2006	Heavy Rainfall	Sinking of land at Gairigaon, under Kalimpong I Block leading to exodus of the whole village	Nil
Landslide	2015	Heavy Rainfall	Whole Kalimpong affected	6 human lives lost and 5 went missing and presumed dead
Earthquake	1960	Ms 5.5	Samthar-Kalimpong area	Data unavailable
Earthquake	1980	Ms 6.1	Whole district affected	Data unavailable
Earthquake	2011	6.9	Whole district affected	
Earthquake	2015	7.3	Whole district affected	
Flash flood	1899	Heavy	Teesta Bazar	Almost all houses swept away at Teesta as per District-Gazetteer Darjeeling
Flash flood	1968	Heavy	Teesta Bazar	Teesta bridge was swept away. Teesta bazaar ravaged by flash flood.
Aila cyclone rain	2009	Intense	Testa Bazar along NH10	Houses damaged/destroyed Fully-254, Partly-1059

**2.2.5** Outcome and recommendations of the HVCRA is to be provided.

**Fill-in the hazard analysis work sheet given below**

Sl.No	Hazard	Check if community is prone to the hazard	Historical Data			
			(3)			
			Years of Occurrence	Frequency / Return Period	Category / Intensity	Duration
			(a)	(b)	(c)	(d)
1.	Earthquake	Yes	1960 1980 2011 2015	Irregular	Ms 5.5 Ms 6.1 6.9 7.3	Short

2.	Landslide	Yes	1968 1993 1996 2015	Every few years	Catastrophic - Critical	
3.	Storm/Cyclonic	No	-	-	-	-
4.	Flash flood	Yes Teesta bazar.	1899 1968	69 years	Catastrophic	
5.	Fire	Yes.		Normally during dry season	Limited	-
6.	Accident (S)	Yes. NH10.		Throughout the year	Limited	-
7.	Others	-	-	-	-	-

Based on the review and analysis of inputs/data collected in tables given above, the most important disaster risk with reference to the lowest administrative unit in the district needs to be identified. After answering the questions in Col 1, 2 and 3, recommendations on the mitigation measures can be listed under col 4 of the table given below.

**Risk assessment result of vulnerable areas(Annexure attached) under Kalimpong district:**

S.No.	Vulnerability Analysis	Answers
1	2	3
<b>1</b>	<b>Result of hazard Analysis</b>	
	What single or multiple hazards is the community faced with? Which are most significant? Referring to occurrence, frequency/return period, intensity and duration as well as exposure of affected families, how do these hazards compare?	Main hazards faced by the community are : i)In terms of damage – Earthquake, ii)In terms of frequency – Landslide.
	Is there evidence of changing trends in the hazards, or new hazards emerging?	High discharge of rain in a short period of time leading to killer landslides is the emerging trend.
<b>2</b>	<b>Results of Vulnerability Analysis</b>	
	What are the top five vulnerability of the community?	i)Geographical, ii)Physical,iii)Economic, iv)Social,v)Environmental
	Explain the vulnerabilities in relation to the identified hazards affecting the community,	i)Due to the hilly terrain with steep gradient community becomes susceptible

	and how these make the community susceptible to those hazards.	to landslides; ii)In the town area due to population density and unplanned construction of tall buildings community susceptible to earthquake hazard; iii)Due to low income some section of community residing on steep slopes, river banks or wherever land is cheap or free; iv)Some section of community vulnerable due to lack of knowledge, education and awareness of disaster preparedness; v)Some parts of community face environment related vulnerability due to depletion of resources and degradation of environment.
<b>3</b>	<b>Results of Capacity Analysis</b>	
	What are the top five capacities available in the community?	i)First responder to any disaster incident nearby;ii)Helpful to victims;iii)disaster resilient; iv)some communities show willingness to adapt;v)some civil societies contributing by spearheading works to prevent environmental degradation.
	Explain their relationship and how they increase the resilience of the community.	The first step towards achieving minimum disaster resilience by the community is being quick to respond to a disaster incident, helping each other, the will to bounce back early, the will to adapt to changing environment and leading the path.
	Identify the top five weakness and discuss them as part of another paragraph under vulnerabilities.	Still a major part of the community members are unaware of all the changing circumstances, unaware and unwilling to understand the vulnerability faced by them. Many people wilfully ignore building rules and violate laws placed for safety,etc.
<b>4</b>	<b>Recommendations to Mitigate. Prepare for. and Respond to Disaster Impacts</b>	
	Given the Hazard Vulnerability Capacity Assessments identify the most pressing assistance needed to reduce the vulnerabilities and increase the capacities of the community.	The most important assistance needed are in the field of spreading awareness of disaster risk reduction, awareness about the benefit of proper town planning and following building bye-laws, strengthening village level disaster management community. Studying and recommending landslides and developing early warning system for landslides with the help of public-private partnership.

# **Chapter 3**

## **Institutional Arrangement**

### Chapter 3

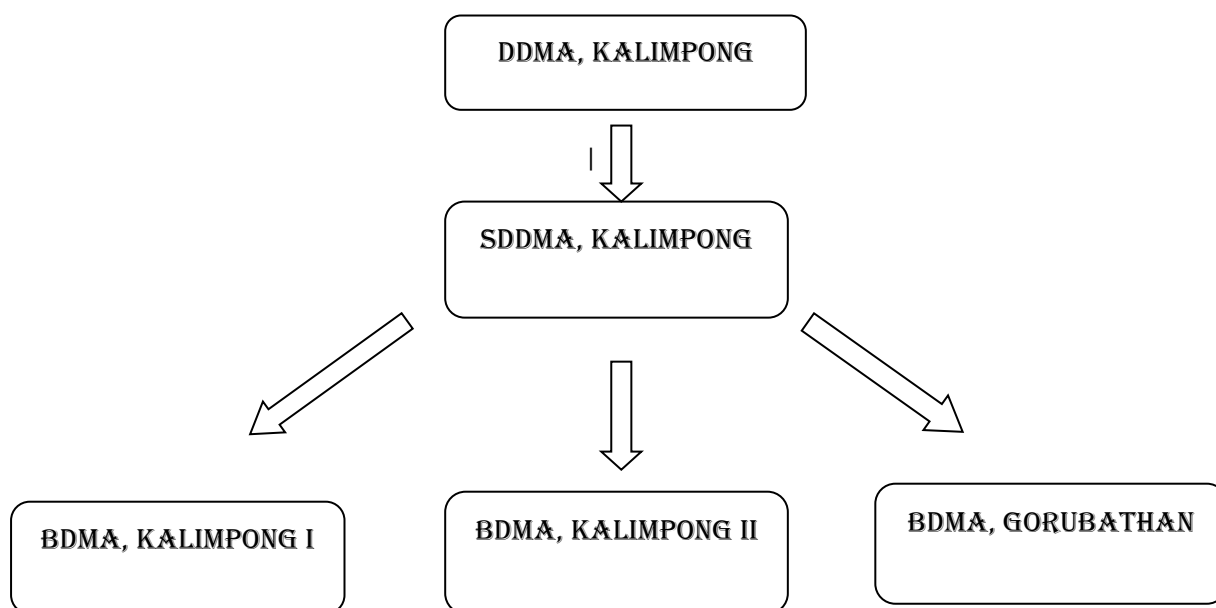
#### INSTITUTIONAL ARRANGEMENTS FOR DISASTER MANAGEMENT

Section 25 (1) of the Disaster Management Act 2005 states that ‘Every State Government shall, as soon as may be after issue of notification under sub-section (1) of section 14, by notification in Official Gazette, establish a District Disaster Management Authority for every district in the state.’ The District Disaster Management Authority for Kalimpong came into existence vide Notification no.3507-RL/O/VI/7M-108/07, dt.13<sup>th</sup> November, 2017 in accordance to sub-section(1) of section 25 of the D.M.Act 2005 consisting the following members as announced by the State Government :

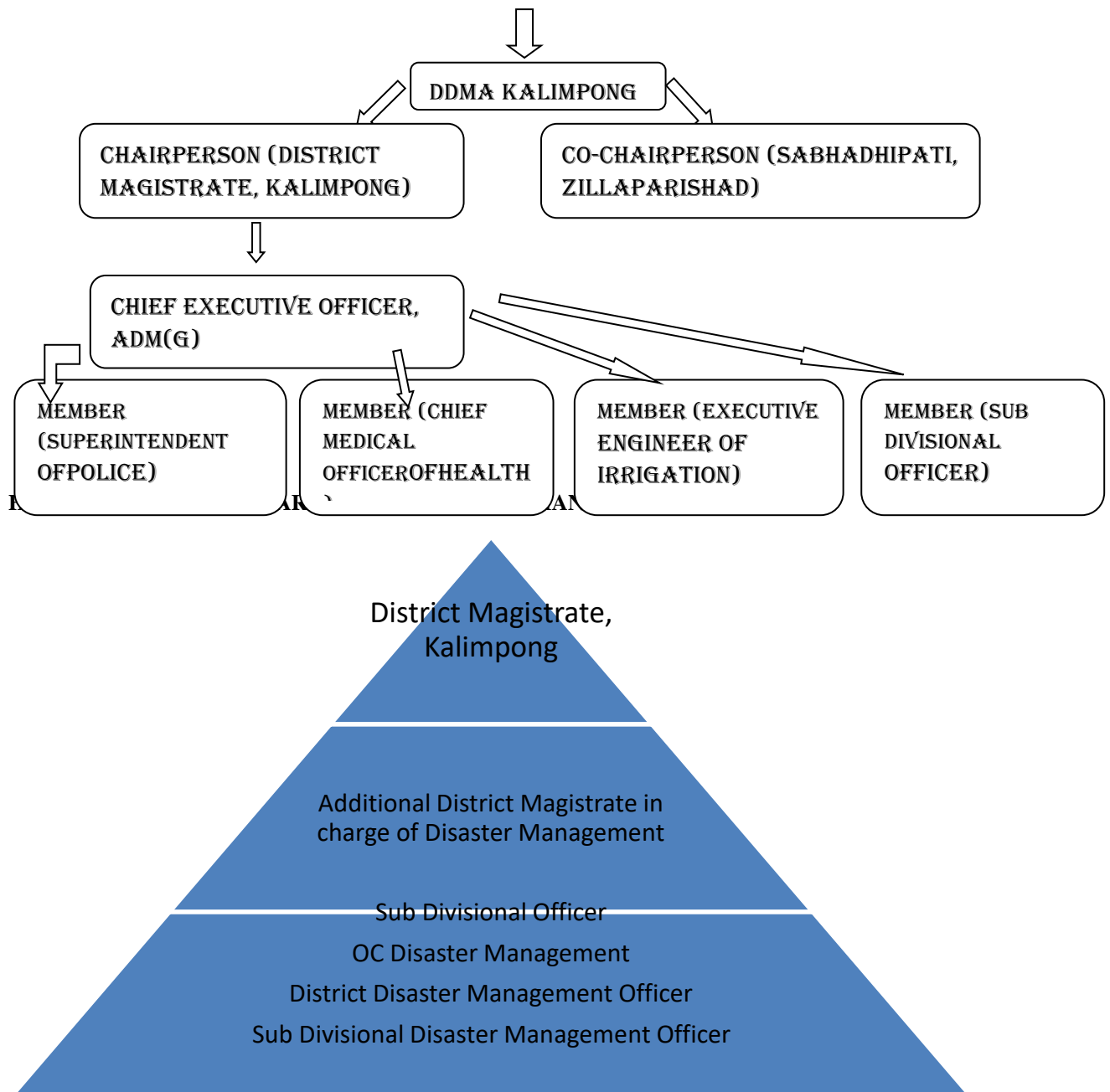
1. The District Magistrate, Kalimpong as the Chairperson, exofficio;
2. Sabhadhipati of the Zilla Parishad as Co-Chairperson, exofficio (presently vacant);
3. Additional District Magistrate in charge of Disaster management as Chief Executive Officer, exofficio;
4. The Superintendent of Police, exofficio;
5. The CMOH, exofficio;
6. The Executive Engineer of Irrigation;
7. The Sub Divisional Officer, Kalimpong.
- 8.

#### 3.1 ORGANISATIONAL STRUCTURE OF DISATER MANAGEMENT AUTHORITY

##### UNDER KALIMPONG



### 3.2 DDMA FLOW CHART



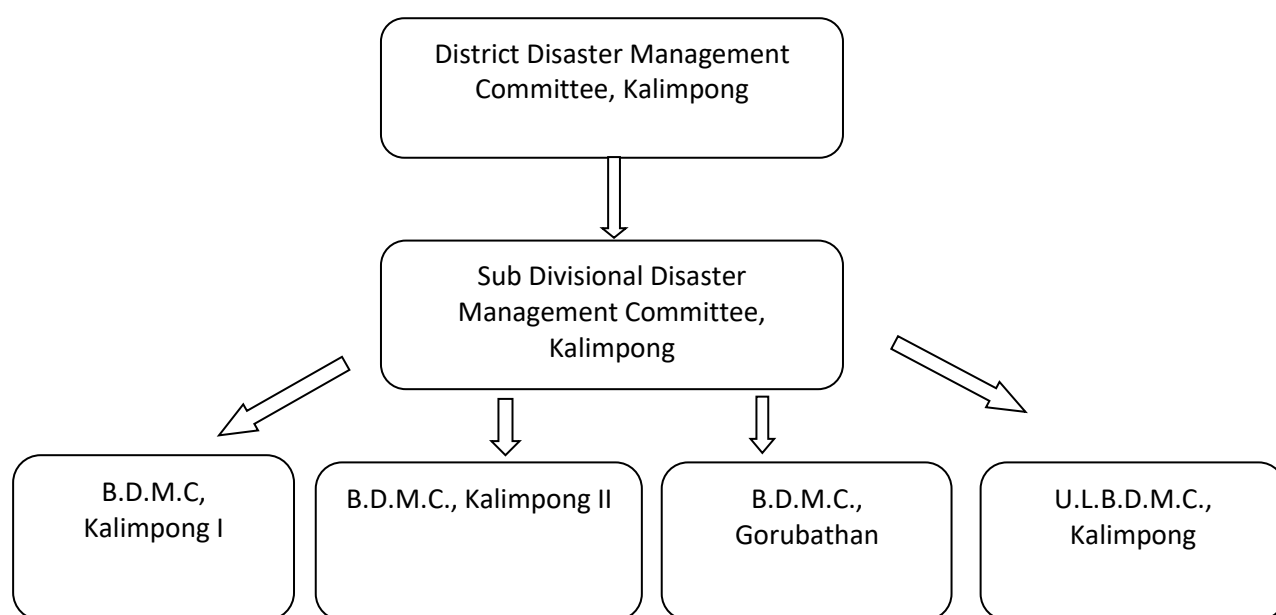
**3.3.1** District Disaster Management Authority may set up Disaster Management Committees, Disaster Management Teams and Incident Response Teams as per requirement or for the purpose of tackling disaster situations effectively.

#### **District Disaster Management Committee for Kalimpong**

1. District Magistrate, Kalimpong	Executive Chairperson
2. Additional District Magistrate (in charge of DM)	Member
3. Superintendent of Police	Member
4. Chief Medical Officer of Health	Member
5. Superintending/Executive Engineer, P.W.D/P.H.E	Member
6. Executive Engineer, I&W.D/Minor Irrigation Deptt	Member

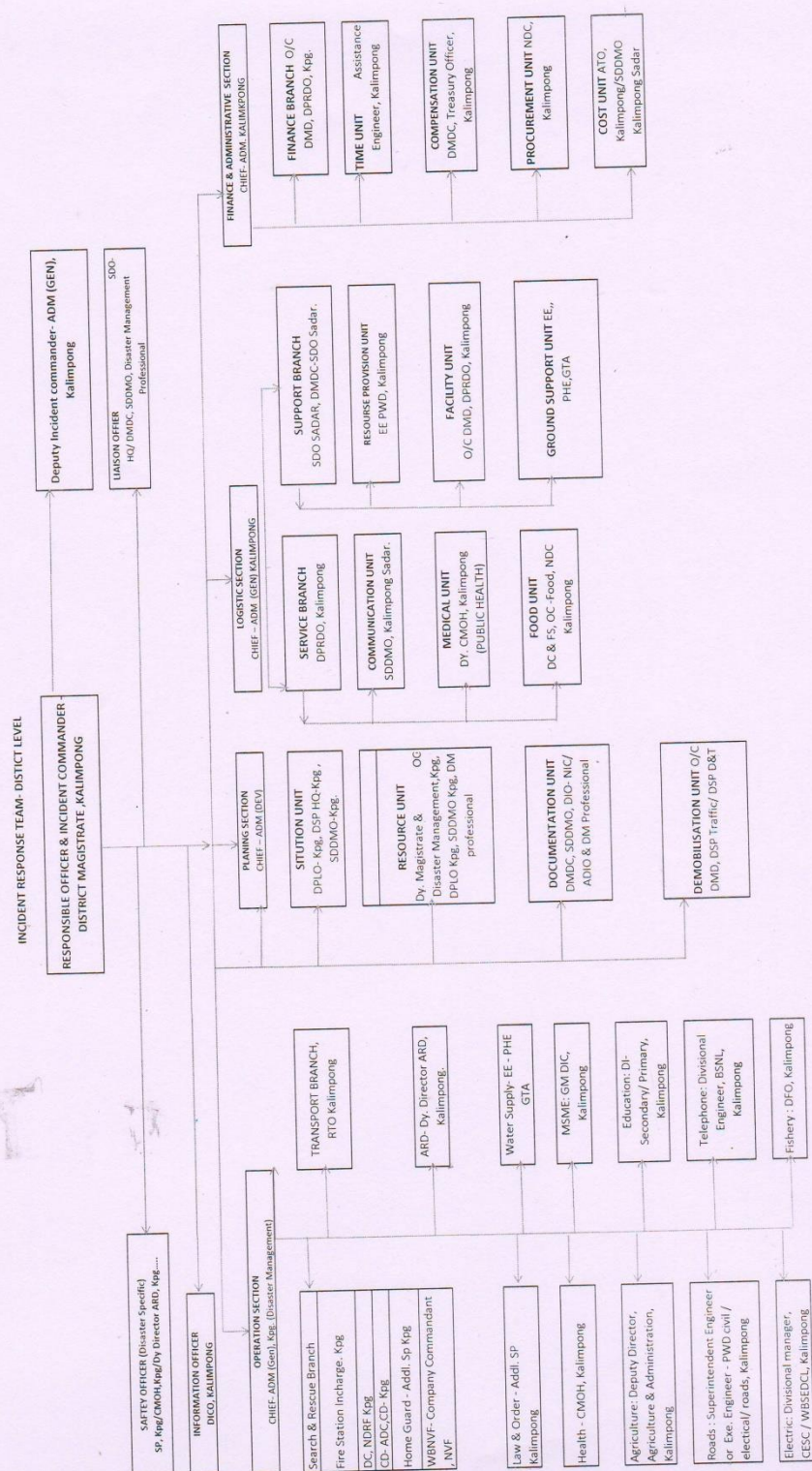
7. Agricultural Officer	Member
8. Divisional Engineer, WBSEDCL	Member
9. District Food & Supply Officer	Member
10. Deputy Director, Animal Husbandary	Member
11. District Level Officer, Forest Deptt/ Fisheries Deptt/	Member
12. Animal Resources Development Deptt.	Member
16. District Level Authority of Army/ Airforce/ B.S.F/	Member
18. District Telecom Officer	Member
20. D.D.M.O./Officer in Charge of Disaster Management	Convener/ Member
21. Chairperson of Municipal Body	Member
22. Chairperson, Development Authority	Member
23. Members of Legislative Assembly	Member

### 3.3.2 HYERCHICAL FLOW CHART OF DIFFERENT DISASTER MANAGEMENT COMMITTEES



*Details of Block Disaster Management Committees in Annexure 2*

### 3.3.3 INCIDENT RESPONSE TEAM UNDER KALIMPONG





### **3.3.4 EMERGENCY OPERATING CENTRE (EOC) :**

EOC cum Control Room started under Kalimpong Disaster Management Department from January 2019 manned by Civil Defence Volunteers round the clock. As per the instruction of the state the on duty staff have to keep a close tab on weather through IMD website, monitor weather channels, maintain contact with the state Control room and block Control rooms. An all clear siren has to be blared at 9am followed by SITREP at 11am everyday. *Details of DEOC in Chapter 5(5.2).*

### **3.3.5 INTER AGENCY GROUP (IAG)**

It is imperative to create platforms such as inter-agency groups that would facilitate partnerships with NGOs, private sector, elected representatives, Community based Organisations (CBOs), other academic and technical institutions. In the past Kalimpong was in touch with the State IAG as a Sub Division under Darjeeling district IAG. And now Kalimpong district IAG has to be formed in order to bring different entities working in the field of disaster management in the same platform like. There are NGOs like Save The Hills, Anugyalaya, Darjeeling Himalyan Initiative, Caritas India, etc that are working in the field of disaster management.

### **3.3.6 Forecasting and Warning agencies**

According to the NDMA any type of natural or man-made disaster may occur with or without early warning. Emergency response may be triggered:

1) With early warning like heavy rainfall, cyclone, etc. and 2) Without early warning like earthquakes. In the case of a disaster with early warning on receipt of warning of alert from any such agency which is competent to issue such a warning, the warning message will be percolated downwards from the National or State level to the Divisional level, District level, Sub Divisional level, Block level and village level. The District Magistrate will assume the role of the Incident Commander and all concerned departments and personnel will be pressed into action through the DEOC.

For disasters without early warning the message will pass from the bottom to the top. When disaster occurs without any early warning in that case the information starts from the place of incident through government agency or otherwise and the institutional mechanism in such cases will be as follows:-

- i. The concerned village will report to the Panchayat, block, police station/SDO/DM and the information will be sent to the Commissioner and the SEOC.
- ii. DDMA will assess the information and assess the disaster to be of the level L0, L1, L2 or L3.
- iii. DEOC will be activated, message will be sent to Divisional commissioner and if required the SEOC will be kept at alert if assistance needed ; otherwise information of the incident will be passed on to SEOC.

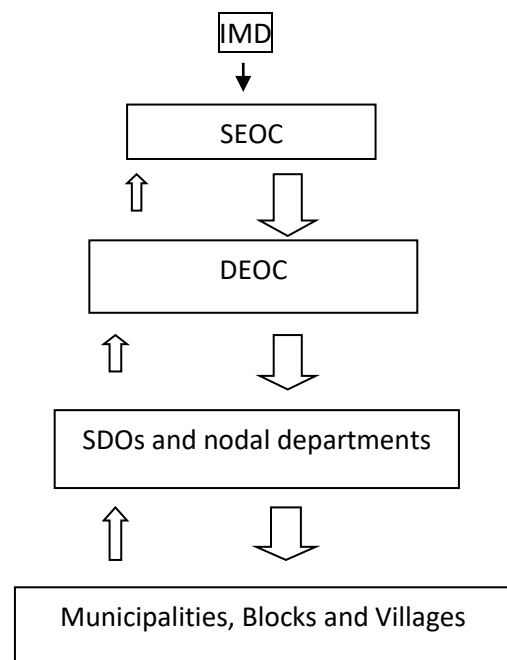
iv. DDMA will convene the meeting of DEOC and plan the management of the disaster by preparing Incident Response Plan as per Incident Response System.

v. The respective Incident response teams(IRT) will be rushed to the site for effective management.

**Flow of Early Warning regarding cyclone, heavy rainfall, low visibility (fog)etc. Top down**



**For Disasters occurring without Early warning like Road accidents,Industrialaccidents,Fire bottom up (Flow of information)**



**The Occurrence of the Disaster would essentially bring into force the following:**

The Emergency Operations Centre will be put on full alert and expanded to include Branch arrangements, with responsibilities for specific tasks, depending on the nature of disaster and extent of its impact. The number of branches to be activated will be decided by the Chief of Operations.

All Branch Officers and Nodal Officers will work under the overall supervision and administrative control of the Chief of Operations. All the decision taken in the EOC have to be approved by the Chief of Operations.

Immediate access to the disaster site.

Telephonic and VSAT, wireless communication and hotline contact with the Divisional Commissioner, and Collector/s of the affected district/s will be activated.

The EOC in its expanded form will continue to operate as long as the need for emergency relief and operations continue and the long-term plans for rehabilitation are finalized for managing long-term rehabilitation programmes, such as construction of houses, restoration of infrastructure etc. the responsibilities will be that of respective line departments. This will enable EOC to attend to other disaster situation, if the need be.

#### Disaster with Early Warning :

The disaster response structure will be activated on the receipt of a disaster warning or on the occurrence of a disaster by the competent authority. The occurrence of a disaster may be reported by the concerned monitoring authority to the Commissioner of Relief/SDMA by the fastest means. The SDMA/SEC will activate all departments for emergency response including the State EOC, District EOC, police personnels and ERCs. In addition, they will issue instructions to include the following details:

- i. Exact quantum of resources (in terms of manpower, equipments and essential items from key departments/stakeholders) that is required.
- ii. The type of assistance to be provided.
- iii. The time limit within which assistance is needed.
- iv. Details of other Task/Response Forces through which coordination should take place.
- v. The State EOC, ERCs and other control rooms at the State level as well as district control rooms should be activated with full strength.

# **Chapter 4**

## **Prevention and Mitigation Measures**

## Chapter 4 – Prevention and Mitigation Measures

Prevention consists of actions that reduce risk from manmade or natural disaster incidents. Certain avoidable disasters can be prevented by following hazard zonation map and by strictly adhering to building rules and bye laws. The High Powered Committee (HPC) formed by the Government of India in 1999 had provided a new culture to the area of disaster management by emphasising that there are four key pillars of this activity :

- a) Culture of Preparedness
- b) Culture of Quick Response
- c) Culture of Strategic Thinking and
- d) Culture of Prevention.

Practising all of these will lead to the larger picture where the old adage of ‘prevention is better than cure’ is followed in letter and spirit.

For those disasters that cannot be avoided or prevented the only effective tool is mitigating the adverse effect. Mitigation refers to actions taken to reduce or eliminate the risks arising out of disasters. It is concerned with negating or mitigating the adverse impact of a future disaster by means of reducing risks, consequences associated with them, etc. Therefore, mitigation in the parlance of disaster management is general activities aimed at preventing events that may occur in the future.

Mitigation aims at :

- i) Pre-disaster preparedness and prevention measures that help the community recover from disaster impact.
- ii) Reduction of hazards faced by the community.
- iii) Creation of awareness of risks at the community level.
- iv) Encourage participation of community to lessen risks.
- v) Protection and conservation of natural resources.
- vi) Risks and vulnerability assessment to gauge the risks that the community faces and working out methods of reducing the risks.

According to Carter(1991) there are five principals that provide a valuable guide to mitigation :

- a)Initiation, b)Management, c)Prioritisation, d)Monitoring and Evaluation, and
- e)Institutionalisation

Broadly speaking there are two types of mitigation measures – i) Structural mitigation and ii) Non- structural mitigation.

- i) **Structural Mitigation** - This refers to structural measures resorted to tackle disaster risks. It encompasses both construction of physical engineering and non-engineering structures to reduce hazard. Engineered structures include infrastructures and buildings built following safety standards as laid down by the National Building Code(NBC) or the Bureau of Indian Standards(BIS). Non-engineered structures are those buildings and infrastructure built with local knowledge, not following prescribed specifications. Therefore, Structural Mitigation helps in the process of cutting down the impact of disasters by means of construction and engineering works like building earthquake resistant structures, retrofitting, strengenthening of embankments, building proper drainage system, cyclone shelters,etc.
- ii) **Non structural mitigation** - This includes all those activities minus the structural mitigation like awareness and capacity building at the departmental and community

level, formulation of new plans and overall promoting a culture of safety like building codes, policy framing, land use policy, research, capacity building trainings, etc. It includes the three important components i) Appropriate Administrative/Regulatory Framework, ii) Public Education, Training and Awareness, and iii) Community Participation in Disaster Mitigation.

#### Structural Mitigation for earthquake under Kalimpong

Structural measures	Identified Locations and Villages	Implementing Departments	Convergence with Scheme/ Program	Time Frame
Constructing earthquake resistant structures and retrofitting (if required) of public utility buildings like offices, hospitals, schools/ banks/ markets etc	Whole district falls under seismic zone IV. Vulnerable villages/wards have been identified Gram panchayat-wise/ Municipality wise for Kalimpong I/II/Gorubathan & Kalimpong Municipality (Annex 1)	DPLO, DPRDO (State and Panchayat), SDMF, PWD, SSA, GTA	Convergence with developmental programmes, NERMP	-
Building earthquake resistant houses and retrofitting of unsafe houses		SDRF, IHSDP, HFA, IAY, owner driven	Rural housing schemes, Integrated slum development and departmental programs, NERMP	-
Identifying and safely dismantling unsafe structures		PWD, Kalimpong Municipality, DDM	-	-

#### Non Structural Mitigation for earthquake under Kalimpong

Non Structural measures	Identified Locations and Villages	Implementing Departments	Convergence with agency/ Program	Time Frame
Capacity building of architects, engineers and masons on earthquake resistant features	Whole district falls under seismic zone iv. Vulnerable villages/wards have been identified Gram panchayat-wise/ Municipality wise for Kalimpong I/II/Gorubathan & Kalimpong Municipality	Disaster Management, RTC	MGNREGA, SSA	Regular Interval
Registration of trained and certified mason		Disaster Management, GTA	NERMP, NICEE	Regular Interval
Strict enforcement of guideline pertaining to seismic safety for government rural housing		Disaster Management Department, PWD construction	Urban & Rural housing schemes	Regular Interval
Mock-drills for Schools, Hospitals, Public Buildings, etc		Disaster Management Kalimpong, RTC, SSA, Fire Department, Schools	NSSP, Hospital safety	Regular Interval

### Structural Mitigation for landslide under Kalimpong

Structural measures	Identified Locations and Villages	Implementing Departments	Convergence with Scheme/ Program	Time Frame
Construction of retaining structures, protection walls, build proper drainage system and jhora training to guide surface and sub-surface run off	Vulnerable villages/wards have been identified Gram panchayat-wise/ Municipality wise for Kalimpong I/II/Gorubathan & Kalimpong Municipality	DPLO, DPRDOSDMF, PW Roads, NH10 Div 9, KED, GTA	Convergence with developmental programmes, LRMP	-
Constructing or strengthening embankments, clearing of drains, unclogging of jhoras before monsoon		PW Roads, NH10 Div 9, Irrigation & Waterways, Kpg Municipality	Convergence with developmental programmes, LRMP	-
Afforestation by planting trees and vetivers		Social Forestry, Soil conservation, NGREGA	Convergence with developmental programmes	-
Reparing of landslide damaged/destroyed houses	As per CA II report	Department of Disaster Management	HB Grant	1 year

### Non Structural Mitigation for landslide under Kalimpong

Non Structural measures	Identified Locations and Villages	Implementing Departments	Convergence with Scheme/ Program	Time Frame
Landslide Hazard zonation	Vulnerable villages/wards have been identified Gram panchayat-wise/ Municipality wise for Kalimpong I/II/Gorubathan & Kalimpong Municipality	GSI, Disaster Management Department	Convergence with developmental programmes like Rural and urban housing	-
Landslide awareness programme		Disaster Management Department, RTC	-	Regular interval
Land-use policy		DDMA, Kpg Municipality, concerned Gram Panchayats	-	-

## The Components of Landslide Hazard Management (LHM)



Figure 1 Source : GSI

The strengthening of community preparedness by means of Community based Disaster Management, capacity building of PRIs, etc. will be taken up by means of disaster training programmes and mock exercises which are slated to continue throughout the year in different parts of the district. Tentative training calendar for 2019 is found in Chapter 6 under the heading capacity building.

### PHYSICAL MITIGATION MEASURES UNDER KALIMPONG IRRIGATION DIVISION (As submitted by E.E., Irrigation & Waterways dept.)

SI No.	Name of Schemes	Sanctioned Amount	Remarks
1	Emergent Protection of Bhutia Gaon at No. 2 Phase VI in P.S. Jholong	80.00	
2	Emergent Protection work and drains at Tanki Line, Dolay Gaon at lava	100.00	
3	Soil Stabilization and Protection work at 6 Acre busty and it's adjacent areas at Bagrakote in PS Kalimpong	100.00	
4	Landslide protection work below Chunnabhatti Sanghuri at Bagrakote in P.S. Kalimpong.	60.00	
5	Proper disposal of water & protection of Celery busty in PS Kalimpong	50.00	
6	Soil stabilisation & Landslide protection work at Sindebong	200.00	
7	Landslide protection work around Sangser busty Sangsey G. P.	50.00	



8	Bank protection work of Mudung Khola at Pedong.	150.00	
9	Landslide protection work at Chuba Lingsekha	150.00	
10	Bank protection work of Chel Khola Gorubathan.	200.00	
11	Bank protection work at R/B of river Jaldhaka.	200.00	
12	Landslide protection work at Keramtar by protecting Dabaikhola, Today Tangta.	300.00	
13	Protection of Right Bank of Reshi Khola Kalimpong II	150.00	
14	Emergent Bank Protection of Geet Khola from Flood and erosion of Geet Khola at Gitdabling G.P. in P.S. Kalimpong.	100.00	
15	Emergent Protection of Budhabare Bazar by Training right Bank of Chumung Khola at Gitdabling in P.S. Kalimpong.	200.00	
16	Proper disposal of water & protection of SUMI anuj and adjacent areas at Nimbong in PS Kalimpong	100.00	
17	Jhora training works at Algarah High School by training Pala Jhora P.S. Kalimpong.	50.00	
18	Jhora training work at Algarah bazar by training Raniban Jhora in P.S. Kalimpong.	50.00	
19	Protection of Sadhudhara area (Upper Reach) in P.S. Kalimpong.	150.00	
20	Protection of Lohapool Bazaar from Flood & erosion at right bank of river Reang in PS Kalimpong under Kalimpong Irrigation, GTA	100.00	
21	Protection of Bazaar from Flood & Erosion at left bank of River Relli in P.S Kalimpong under Kalimpong Irrigation, GTA	150.00	
22	Emergent protection of Bagrakote from Leesh River (Phase-I)	300.00	
23	Soil Conservation and landslide Protection of Lower Bong Busty around Gokulay Khola in P.S. Kalimpong	200.00	
24	Landslide Protectionwork of Tin Dobaney Khola at Sindebong GP in PS Kalimpong (I Phase)	300.00	
25	Emergent bank protection at left bank of River River Rongpo for Protection Forest Village at Rangpoo in PS Kalimpong	300.00	
26	Maintenance & repair of Sindebong Irrigation Schemes	150.00	

27	Maintenance & repair of Mandir Khola Irrigation Schemes	200.00	
28	Maintenance & repair of Pembling Irrigation Schemes	200.00	
29	Maintenance & repair of Nimbong Irrigation Schemes	200.00	
30	Maintenance & repair of Perentar Irrigation Schemes at Jhalong.	200.00	
31	Maintenance & repair of Kuwapani Irrigation Schemes at Gorubathan.	150.00	
32	Maintenance & repair of Nim Busty Irrigation Schemes at Gorubathan.	150.00	
33	Maintenance & repair of Dalim Khola Irrigation Schemes at Gorubathan.	150.00	
34	Maintenance & repair of Mal Khola Irrigation Schemes at Gorubathan.	150.00	
Total 34 nos of schemes		5340.00	

# **Chapter 5**

## **Preparedness Measures**

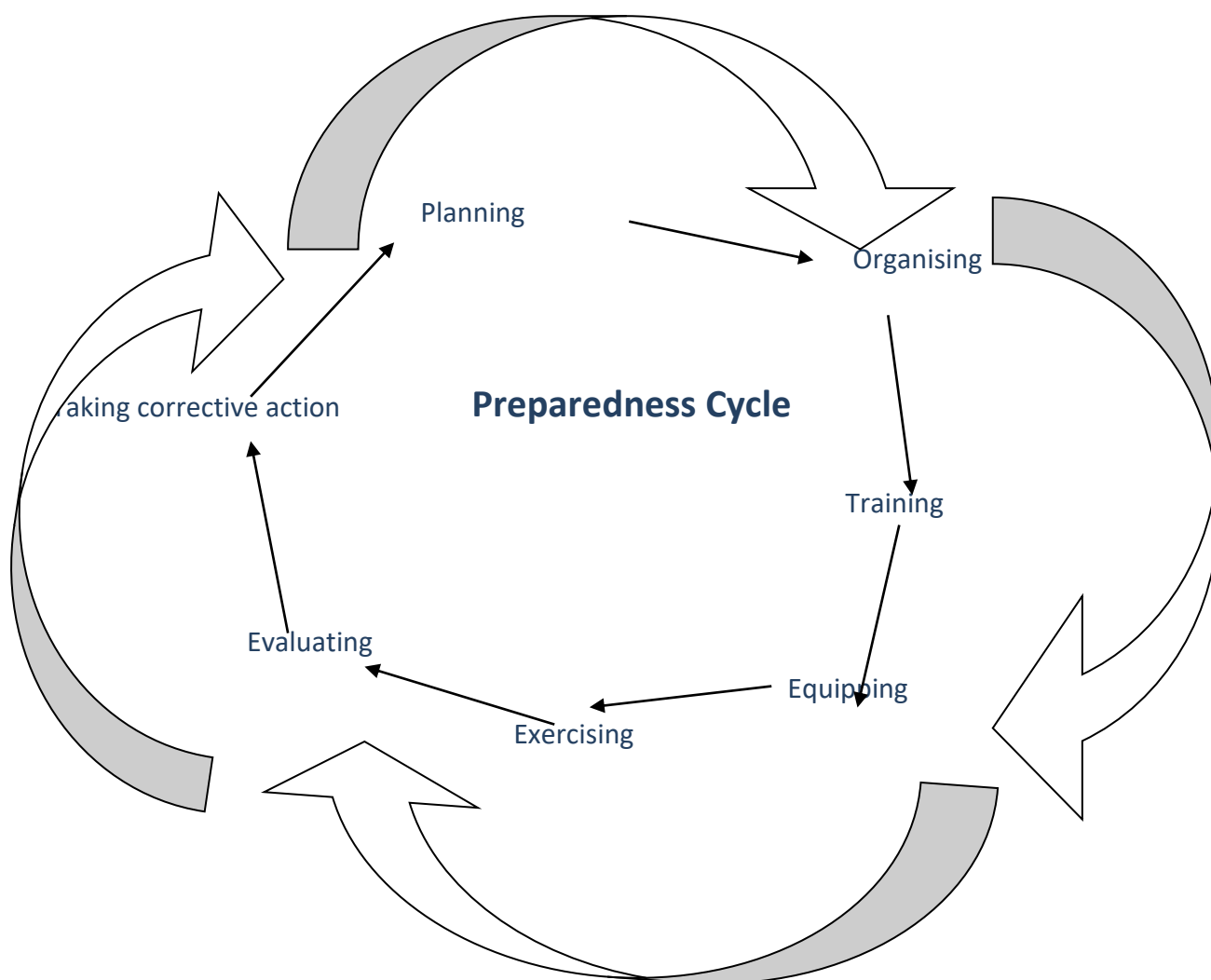
## **Chapter 5 Preparedness Measures**

**5.1** Preparedness comprises measures, which equip governments at various level, organisations, communities and individuals to handle and respond effectively to disaster situations. Globally, it is observed, there has been an increase in the frequency and adverse impact of disaster both natural as well as man made. Although developments in science and technology has helped to a great extent by way of providing early warning for hazards like cyclones, heavy rainfall, etc. and in the form of GIS based prediction of landslides, etc. , all these will not hold much water if preparedness measures for a district are not in place. The approach towards disaster management has gone a sea change where in the past management of disaster would be 'reactive' in nature. The course of action basically would be emergency management with provision for relief and rehabilitation. Efforts were always directed towards bringing back the situation to normal. But in the present a holistic approach is adopted towards management of disaster where pre disaster phase is given more importance.

Preparedness measures hold a very important place in disaster management because the experience of the past has shown us that the cost of preparedness is much more less than the actual cost of tackling a disaster financially or socially. Planning is one of the key components of Preparedness cycle. Kalimpong district falls within a multi hazard prone area. Therefore, disaster preparedness plan for Kalimpong is aimed at tackling earthquake, landslide, cyclonic wind, urban fire, building collapse, etc.

**5.2 District Emergency Operations Centre (DEOC)** becomes the nodal component of a district's disaster preparedness because a DEOC becomes a nodal point for overall coordination of planning and response during any disaster incident as well as passing early warning messages to all stakeholders vertically and horizontally. The DEOC requires communicating facilities, Decision support system, alert and warning system in working condition. Presently, effort is being made to set up a permanent working DEOC for Kalimpong district so as to tackle any disaster situation effectively. Presently, Control Room cum DEOC is manned by the Civil Defence Volunteers round the clock in three shifts under the supervision of OC Disaster management/SDDMO and SITREP regarding disaster or all clear is sent to the State Control Room every day at 11am. During monsoon normal contact is maintained thrice a day.

Requirement of fund for modernization of the DEOC including VHF, UHF communication has been sent to the higher authority.



### 5.3 Identification of stakeholders involved in disaster response for Kalimpong district

Sl. No	Stakeholders	Department	Response work
1.	District Administration headed by the District Magistrate, Kalimpong	Department of Disaster Management Kalimpong	Activating CD volunteers at the affected site, on site assessment of damage, distribution of relief items and sending message to the SEOC and to activate IRT depending upon the magnitude of disaster
2.	Health headed by the Chief Medical Officer of Health	Chief Medical Health Office	Activation of department response plan, making services of all doctors, nurses, medical kit available to the district magistrate at the time of emergency disaster event.

3.	Police headed by the Superintendent of Police, Kalimpong	Police Department.	First responder, providing security to relief distribution and at Relief camps, cordoning affected area, immediate inquiry and record of death, securing traffic for emergency vehicles etc. Provide communication support. Assistance in search and rescue by the SDRF
4.	Col.GS, 27 <sup>th</sup> Mountain Division, Durpin	Army	Rendering assistance to civilian authority during times of emergency. Providing man power as well as technical support where possible
5.	NDRF 2 <sup>nd</sup> Battalion headed by the Assistant Commandant	NDRF, 2 <sup>nd</sup> Bn, Matigara	Provide specialized support in search and rescue operations, provide paramedics, assist in restoring supply of essential items
6.	SSB headed by the Commandant	SSB, Malbazar	Provide manpower for search and rescue, assist in evacuation
7	DCF&S, Kalimpong	Food and Supply Dept. Kalimpong.	Maintain buffer stock of essential commodities, supply foodgrain to the relief camp, keep a strict vigil against hoarding and black marketing of essential commodities during disasters.
8	Irrigation and Waterways Dept. as headed by the Exe.Engineer	Irrigation and Waterways dept., Kalimpong	Be prepared to repair any damage or breach of embankment. Remain alert during monsoon and take immediate stock of embankments after an earthquake.
9	NH10	PWD Division II	Inform district authority and police about any road block due to landslide. During times of disaster be prepared to keep the road open for emergency vehicles and not let the road be blocked for more than 12 hours even in the face of worst disasters.

#### 5.4 Formation of Teams for Kalimpong District

Sl. No.	Name of Team	Department	Response work
5.4.1	Early Warning	IMD, Kolkata.	For Cyclone, heavy rainfall
		SEOC	For lightning strikes
		CWC, Jalpaiguri.	For water level of the Teesta
		Chief Engineer, TLDP IV, Singtam	For sudden release of water from NHPC-TLDP IV Dam
5.4.2	Search & Rescue	Fire Services, Civil Defence, NDRF, Army, SDRF	Work under IRT Operations section as separate Task Forces
5.4.3	Evacuation	Fire Services, Civil Defence, NDRF, Health, Police, Local	Work under IRT Operations section as separate Task

		volunteers	Forces
5.4.4	Damage and Loss Assessment	Disaster Management Section, ARD, Agriculture Dept., PHE,PWD	Prompt site visit and initial damage assessment report followed by detailed report and record of deaths, injuries or other damages
5.4.5	Information & Dissemination of early warning	DEOC/District Control Room	Passing of early warning downwards and receiving information from the lower level
5.4.6	Health & First Aid	Health Department	Provide paramedics and prepare hospital for casualty surge

### 5.6 Activation of IRS in the District

As per NDMA's IRS guidelines which prescribe for **Incident Response Team(IRT)** different IRTs with pre-designated structure have been formed where the Incident Commander is the District Magistrate at the district level and the Block Development Officers at the block levels. Apart from IRT Quick Response Teams (QRT) have been formed at at gram Panchayat level also. *Annexure III for IRT & Annexure VII for QRT enclosed.*

### 5.7 Protocol for seeking help during disaster

Help from	Protocol for help	Contingency
State Govt.	Message of any disaster will be immediately sent to the SEOC through the district EOC. Magnitude of the disaster incident will be communicated to the government along with type of help required.	If all communications are down satellite phone will be used
NDRF	B Coy, 2 <sup>nd</sup> Battalion NDRF stationed at Matigara, Siliguri will be done by the District Magistrate( <i>Annex 4</i> )	If all communications are down satellite phone will be used
SDRF	Requisition for SDRF will be sent to the government through the DEOC	If all communications are down satellite phone will be used
Army	Requisition for 27 <sup>th</sup> Mountain Division stationed at Durpin, Kalimpong will be done by the District Magistrate. ( <i>Annex 4</i> )	As per army protocol during emergency the army may be given a telephonic requisition but the format for requisition must be submitted later on.

### 5.8 Community Preparedness

During any disaster, communities are always the first responder. Community participation ensures local ownership, addresses local needs and promotes volunteerism and mutual help to prevent and minimize damage. Community based disaster preparedness is one of the keys to effective management of disaster. Training of community members in the field of Community based Disaster Management(CBDM) and Disaster Risk Reduction (DRR) is an on going process and different training

programmes and mock drills for community members down to the grass roots level has been lined up for 2019 also.

#### 5.9 Standard Operating Procedures (SOPs)

1	Protocol and Arrangement for VIP visits	As per arrangement by Kalimpong Police Administration in consultation with the District Administration
2	Procurement (Tents,blankets,tarpaulins,equipments,etc)	Through the Department of Disaster Management, WB

#### 5.10.1 Knowledge Management and Sharing

Uploading of information on resources in the India Disaster Resource Network(IDRN)	As a district Kalimpong has not received the user ID and password for uploading resource details in the IDRN
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#### 5.10.2 List of Search and Rescue equipment for uploading in the IDRN

	District HQ & Block wise list of Search & Rescue equipment in operable condition				
Sl. No.	Name of equipment	Dist HQ	Kalimpong I	Kalimpong II	Gorubathan
1	10mm Kernamental Rope (200mm)	03	0	0	0
2	11mm Rope (100mm)	01	0	0	0
3	8mm Kernamental Rope (150mm)	02	03	02	02
4	Aluminium Ladder	01	01	01	01
5	Aluminium Stretcher	01	01	0	0
6	Anchor Rope	01	01	0	01
7	Axe with handle	03	02	0	01
8	Charger Light	02	02	01	02
9	Crow bar	10	04	10	04
10	Drill Machine	02	01	02	02
11	Dust Mask	31	24	50	50
12	Ear Plugs	11	15	17	17
13	Electric Drill (Heavy Duty)	01	0	0	0
14	Extension Cord 30 Mtr.0	01	01	0	0



15	Fire & Rescue Helmet	08	0	0	0
16	Fire Boot & Gloves (in pair)	05	11	06	06
17	Fork	10	04	10	04
18	Gainti with Handle	06	01	0	01
19	Generator (Honda)	01	01	01	01
20	GPS Set	01	01	01	01
21	Grover Long (TATA)	05	0	0	0
22	Grover Short (TATA)	05	0	0	0
23	Hack Saw Frame with Blade	03	03	0	01
24	Hammer 10 kg	10	04	10	04
25	Hammer 5 kg	05	04	10	04
26	Hand Plough (Local)	06	0	0	0
27	Harness set	01	0	0	01
28	Head Torch (Petzel)	02	0	0	0
29	Helmet	04	04	10	03
30	Hydraulic Jack	01	0	0	0
31	Iron Pickets	05	0	0	0
32	Life Jacket	06	04	06	06
33	Lock Cutter	01	01	01	01
34	PAC (Handheld mike)	01	0	01	0
35	Pick Axe	02	0	0	0
36	Power Chain Blade	01	01	01	0
37	Power Saw	01	01	01	0
38	Relief jacket (Id jacket)	08	10	10	04
39	Reflective Jacket	55	25	25	25
40	Rope Bag and Pack	0	03	02	02

41	Rope Protector	01	0	0	0
42	Safety Goggles	06	03	02	02
43	Satellite Phone	01	0	0	0
44	Search Light (Dragon)	0	01	0	0
45	Shovel	10	04	10	03
46	Sickle	01	02	0	03
47	Spade	10	04	0	03
48	Stretcher	02	0	01	0
49	Torch Light (Rechargable)	0	02	0	0
50	Torch Light 3 Cell	01	0	0	0
51	Vehicle for Rescue (Civil Defence)	01	0	0	0

### 5.10.3 Resource inventory of Kalimpong Municipality and Fire Dept. in *Annexure V*

### 5.11 Identification of Vulnerable Points and their Shelter Points – *Annexure I enclosed*

#### 5.12.1 Medical Preparedness Plan –

The Pan American Health Organisation defines disaster as an overwhelming ecological disruption that exceeds the capacity of a community to adjust, and consequently requires assistance from outside in terms of medical relief and hospital. Jenkins considers disaster as a time that needs declaration when the immediate load on emergency system is greater than normal operator can care for.

Both definition points out the fact that outside support is required to keep the medical system working during emergencies. During times of disaster it greatly helps to have a strategy wherein optimal utilisation of resources in terms of man power, logistics and time constraint are clearly thought out and put into words. Therefore, a DDMP will not be complete in the absence of a robust medical response plan.

According to the NDMA hospital safety guidelines a hospital may be affected internally or externally and during disasters there could be a combination of both. In this respect there could be three possible disaster scenarios for a hospital :

i) **Community Affected – Hospital Unaffected** : In such a scenario there may be a surge of patients which will put tremendous pressure on the existing resources of the hospital. In such a case the hospital will be overwhelmed if it is not prepared to increase its surge capacity as soon as the disaster occurs.

ii) **Community Unaffected – Hospital Affected** : Such scenarios arise from the internal disaster of a hospital like the AMRI hospital fire incident in Kolkata where more than 90 people died. Such a scenariomay warrant an immediate evacuation which is partial or complete and the critical patients may need to be transferred to a networked hospital.

iii) **Community Affected – Hospital Affected** : Such a scenario worsens the situation by putting overwhelming pressure on the hospital which itself has been impaired. Even worse is the situation where the hospital itself has collapsed resulting in loss of critical services like electricity, water, manpower. The Gujarat earthquake of 2001 turned the Bhuj district hospital to rubble killing a doctor and a few assistants when thousands were killed or injured outside and when it was most needed.

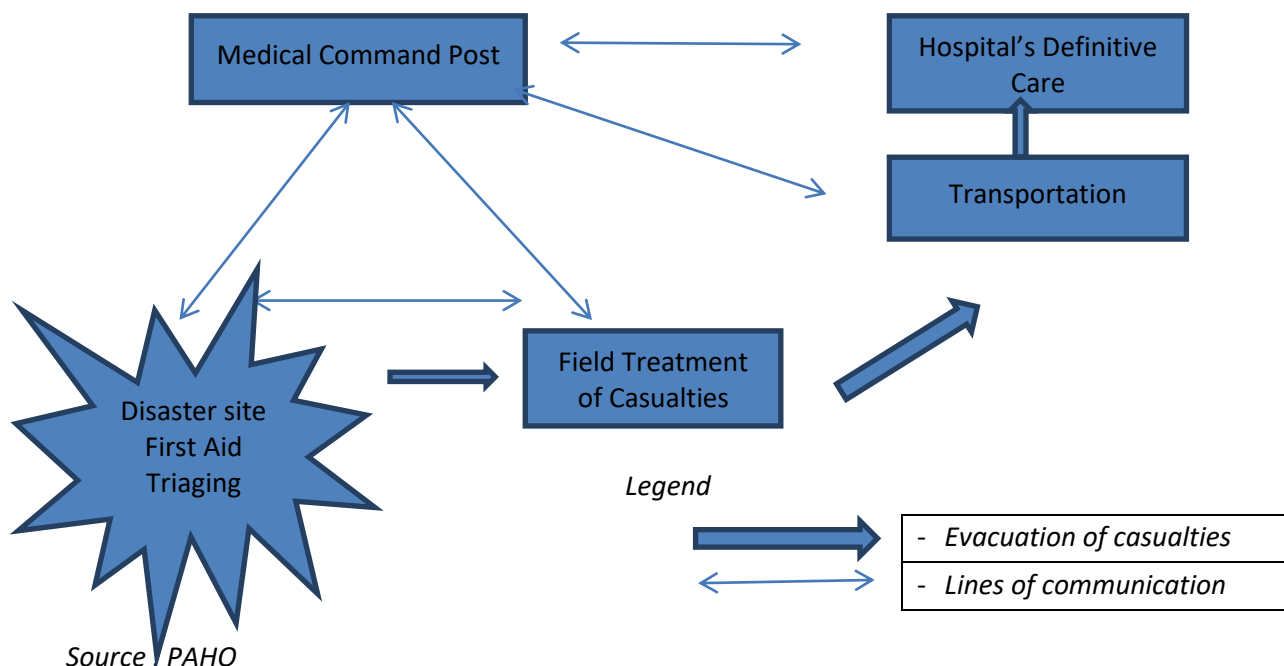
The **Pan American Health Organisation** and the **World Health Organisation** have defined a safe hospital as one that:

- will not collapse during disaster, killing patients and staff;
- can continue to function and provide its services as a critical community facility when it is most needed; and,
- is organised, with contingency plans in place and health workforce trained to keep the network operational.”

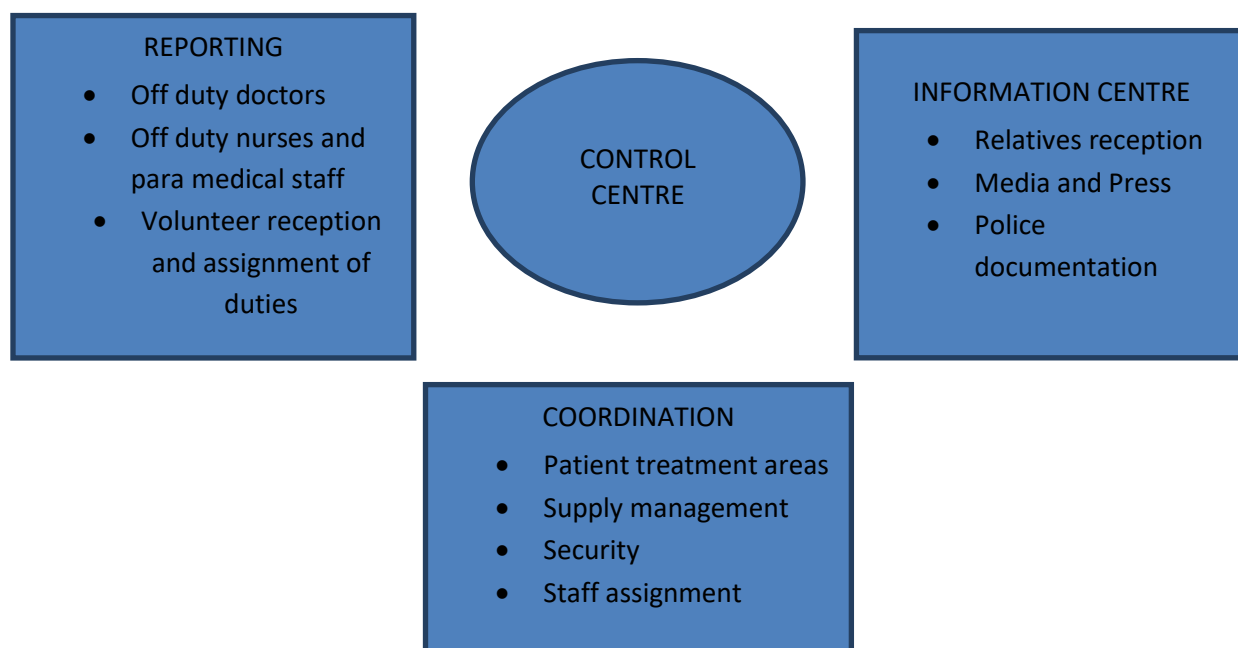
Medical preparedness plan involves three stages :

- 1) Pre-hospital stage-plan : This will address to warning phase, threat phase and the rescue and relief phases in the chronology of disasters. This stage would involve in rescue, first-aid, triaging and transport.
- 2) Hospital stage-plans for hospitals involve definitive treatment, care and recuperation.
- 3) Rehabilitation stage – This stage includes mental health rehabilitation of disaster victims like post trauma stress care.

#### Organisation of Medical Relief in Disaster Zones



## Roles and Responsibilities of Control Centre in Hospital



### 5.12.2 Chronology of medical response to disaster as per UNDRO

Warning and threat phase	Preparedness after issue of warning will require a quick assessment of logistical support that is available and assembling and despatch of first aid and triage teams to the anticipated disaster zones
Rescue and Relief phase	A quick analysis of the problem is undertaken . Medical relief teams fan out and reach out to the victims to provide first aid, triage, stabilisation, loading and transport to definitive care facility
Immediate action phase	At this point patients are received in definitive care, information transfer is achieved, a re-assessment of training is done, treatment is instituted, emergency room/intensive care is provided and definitive diagnosis and treatment is given.

### 5.12.3 Detail of Medical Disaster Response Plan detail of Kalimpong district in *Annexure VI*

### 5.13 QRT list & CD Volunteers list – *Annexure VII*

#### 5.14 Mela or Public gatherings, etc. in Kalimpong

Sl.No.	Mela or other public gathering event	Date	Location
1	MagheyMela at Triveni, and Najok, Kpg I Block	15 Jan.	Najok, Kalimpong I
2	Republic Day Parade at Mela Ground	26 Jan	Kalimpong Town
3	DolJatra duty at Mela ground	20 March	Kalimpong Town
	Ram Navami Fair	13 April	MangalDham, Kalimpong
4	Independence Day Celebration at the District Hq., Town Hall and Mela Ground	15 Aug	Town Hall &Mela Ground, Kalimpong
5	SabalaMela at Mela Ground	In Oct for 6 days	Mela Ground, Kalimpong

# **Chapter 6**

## **Capacity Building & Training Measures**

## CHAPTER 6

**6.1 - Capacity Building & Training Measures :** In order to achieve Disaster preparedness of all stakeholders and to create a disaster resilient society capacity building of line departments, stakeholders, community members, etc. is of great importance. Developing and strengthening DDMP and Disaster Management administration without awareness among all concerned may not be achievable or even if achieved may not be sustainable. The following equation explains the significance of capacity building in a better manner :

$$\text{Disaster Risk(D)} = \frac{\text{Hazard(H)} \times \text{Vulnerability(V)}}{\text{Coping capacity (C)}}$$

Here  $H \times V = D$  (resultant disaster), the higher the hazard and vulnerability the higher will the resulting disaster be. Increasing coping capacity will negate the adverse effect of a disaster to a great extent and thereby proving to be very cost effective in the long run.

In Kalimpong district numerous such capacity building measures have been adopted in the form of community based disaster awareness and preparedness programmes. Even in the past under the Disaster Risk Management Programme (DRMP) communities were taught about not only different types of hazard faced by them but they were also helped to prepare Village Disaster Management Plans (VDMP) and to form Village Disaster Management Committees (VDMC) including Village Disaster Management Teams (VDMT). During the DRMP out of the total target of 800 nos. of teachers some 500 were given trainers' training in different Blocks and Municipalities of Kalimpong. In 2018 7 nos. of training programmes were held in different parts of Kalimpong where a total of 476 nos. of people including CD Volunteers, Civic Volunteers, Teachers, Students, NGOs and Community members were imparted trainings on Disaster awareness, School safety, Fire safety, First aid, Search and rescue, etc.

**6.2 -** According to the NDMA the capacity building plan should cater to 'differential capacity building needs based on the functional responsibilities assigned to stakeholders.' Therefore, capacity building plan should be of various types.

**6.2.1 –** Institutional capacity building – i) Capacity building of Officials & Policy makers, ii) Engineers, Architects, Masons, Doctors, Nurses, Teachers and other professionals, iii) State police, Fire services, State Disaster Response Force

**6.2.2 –** Community capacity building and Community Based Disaster Management - special focus on different vulnerable groups like women particularly pregnant women and lactating mothers, children, old and infirm, persons suffering from serious ailments and with various kinds of disabilities.

**6.2.3** – Training of Trainers whereby creating sufficient numbers of Resources Persons and devising disability inclusive training for all relevant service personnel including Civil Defence, Home Guard, NVF, etc.

**6.3** – Disaster Management Education in schools and colleges is one very important part of capacity building of the society. Disaster Management Education in Medical, Information Technology and Engineering colleges will greatly help to create doctors, technocrats and engineers with knowledge about disaster management which will ultimately contribute in the cause of Disaster Risk Reduction .

**6.4** – Skill upgradation and follow up training programmes.

In 2019 the capacity building exercise will be carried forward where Officials of different line departments, Policy makers from Kalimpong Municipality, Teachers and students will be imparted training to enhance their coping capacity. Provisions will be made for training of Engineers, Architects and village masons regarding building of earthquake resistant structures. Doctors, Nurses and Hospital management will be given training regarding Hospital safety and preparing Hospital DMP adhering to the guidelines laid down by the NDMA. The following Capacity Building plan has been lined up for 2019.

**CALENDAR FOR TRAINING AND MOCK DRILL PROGRAMMES UNDER DISASTER MANAGEMENT AND CIVIL DEFENCE SECTION, KALIMPONG DISTRICT FOR 2019.**

Sl.No.	Date	Place	Training Particulars	Targeted Participants
1	09.01.19	Gorubathan Dev Block	Community Based Disaster Management & Landslide, Earthquake preparedness	Community members, NGOs
2	10.01.19	Gorubathan Dev Block	Community Based Disaster Management & Landslide, Earthquake preparedness	Community members, NGOs
3	11.01.19	Gorubathan Dev Block	Community Based Disaster Management & Landslide, Earthquake preparedness	Community members, NGOs
4	14.01.19	Jholong, Gorubathan	Community Based Disaster Management & Landslide, Earthquake preparedness	Community members, NGOs
5	15.01.19	Tode Tangta, Gorubathan	Community Based Disaster Management & Landslide, Earthquake preparedness	Community members, NGOs
6	16.01.19	Block Hq, Gorubathan	Basic DM Awareness including Landslide, Earthquake, Fire safety, School safety	Teachers, Students, SHG members, Aganwadi Workers and CD Volunteers (if any)
7	01.02.19	Pokhrebong GP, Gorubathan	Basic DM Awareness including Landslide, Earthquake, Fire safety, Search and Rescue	Teachers, Students, SHG members, community members, NGOs and CD Volunteers (if any)
8	08.02.19	Nim GP,	School Safety Programme	Teachers and students



		Gorubathan	including Landslide,Earthquake,Fire safety	
9	11.02.19 to 23.02.19	District Hq	Advance Course of Civil Defence	Civil Defence Volunteers
10	19.02.19	District Hq	Climate change issues, School Safety & School DM Plan	Teachers and students
11	28.02.19	District Hq	Child Centred DRR, Basic information about Disaster Management,	Teachers, Students,SHG members, community members, NGOs
12	08.03.19	Yangmakum, Kalimpong I	Community Based Disaster Management & Landslide, Earthquake preparedness, Child Centred DRR	Aganwadi Workers, SHG members, community members and NGOs
13	03.04.19	SD Hospital, Kpg	Basic DM Awareness including Landslide,Earthquake,Fire safety , Hospital Safety & Hospital DM Plan	Hospital Management, NGOs
14	09.04.19	Dr.Ghrams Homes	Basic DM Awareness including Landslide,Earthquake,Fire safety , School Safety & School DM Plan,Search and Rescue, Mock Drill	Teachers, Students from Anglo Indian Schools
15	17.04.19	St.Augustine's School, Kalimpong	Basic DM Awareness including Landslide,Earthquake,Fire safety , School Safety & School DM Plan,Search and Rescue, Mock Drill	Teachers, Students from Anglo Indian Schools
16	26.04.19	St.Philomena School, Kalimpong	Basic DM Awareness safety including earthquake, fire safety	Differently abled students
17	03.05.19	Lingsay, Kalimpong II	School safety,DM Awareness, Fire safety, First Aid, Mock drill	Teachers, Students, SHG members, community members, NGOs
18	15.05.19	District Hq	Basic Disaster awareness & Preparedness	Civil Defence Volunteers
19	23.05.19	Pedong, Kalimpong II	Basic DM Awareness including Landslide,Earthquake,Fire safety , School safety	Teachers,Students,Civic Volunteers, SHG members, Aganwadi Workers and CD Volunteers if any
20	28.05.19	District Hq	Community Based Disaster Management including Landslide, Earthquake,Fire safety , Search and Rescue	QRT members of Kalimpong Municipality area
21	04.06.19	Kaffer- Kankebong, Kalimpong II	Basic DM Awareness, Community based Risk assessment,	Teachers,Students, SHG members, Aganwadi Workers and CD Volunteers

22	06.06.19	Kagay, Kalimpong II	School safety & Mock drill	Teachers and Students
	12.06.19	Rambhi, Kalimpong I	Community Based Disaster Management including Landslide, Earthquake, Fire safety, Search and Rescue	Teachers, Students, SHG members, community members, NGOs and CD Volunteers
23	14.06.19	District Hq	HAM Radio Awareness Programme	Students, NGOs
25	20.06.19	Tashiding, Kalimpong I	Basic DM Awareness including Community Risk assessment, VDMC	Community members, Aganwadi workers, SHG members, NGOs, students
26	11.07.19	District Hq	Understanding Disaster Management, Disaster Risk reduction	Line department staff and other employees
27	23.08.19	Gangotri High School, Kalimpong I	School safety programme and mock drill	Teachers, Students
28	11.09.19	Algarah, Kalimpong II	DM Awareness with a focus on Earthquake preparedness	Teachers, Students, SHG members, community members, NGOs
29	20.09.19	SD Hospital, Kpg	Basic DM Awareness including Landslide, Earthquake, Fire safety, Hospital Safety & Hospital DM Plan, Search and Rescue, Mock Exercises	Hospital staff, NGOs
30	24.10.19	District Hq	Workshop on building disaster resilient society	Teachers, Students, NGOs
32	28.10.19- 01.11.19	District Hq	Basic Course of Civil Defence	Local youth, students
33	13.11.19 - 14.11.19	District Hq	Basic earthquake Risk Management for Engineers including field visit to study earthquake resistant building being constructed at Gitdabing by an NGO.	Engineers, Technical Assistants,
34	22.11.19	District Hq	Earthquake safe masonry building construction	Local masons, building construction contractors

All the programme dates are tentative and may change under unavoidable circumstances. The basic and advance course of Civil Defence depends upon, in the absence of SOIs in the District, availability of Master Trainers provided from the CD Directorate, Kolkata.

# **Chapter 7**

## **Response and Relief Measures**

## **Chapter 7 – Response and Relief Measures**

Response in Disaster Management denotes measures those are taken instantly following a disaster aimed at minimizing injuries, loss of life and damage to property and the environment and rescuing those who are affected or likely to be affected by disaster. Response process begins as soon as it becomes apparent that a disastrous event is imminent and lasts until the disaster is declared to be over. Since prompt response is conducted with an aim of utilizing the golden hour that too, in most cases, with limited information and initial responders, it is one of the most difficult components of disaster management. Response includes not only those activities that directly address the immediate needs, such as search and rescue, first aid and shelters, but also includes systems developed to coordinate and support such efforts.

For effective response, all the stakeholders need to have a clear perception/vision about hazards, its consequences and actions that need to be taken in the event of it. The Disaster Management Department of the District is the Nodal Department for controlling, monitoring and directing measures for organizing rescue, relief and rehabilitation. All other concerned line departments should extend full cooperation in all matters pertaining to the response management of the disaster whenever it occurs. The District EOC and other control rooms at the District level should be activated with full strength.

### **Disasters may be with Early Warning or without any Warning:**

Upon receiving warning or alert from any authorized agency such as IMD, CWC, SEOC the DEOC under the District Magistrate's instruction will alert all stakeholders and upon being informed about the occurrence of a disaster, the response structure of the District Administration will be put into operation. The District Magistrate will assume the role of the Responsible Officer/Incident Commander during the emergency situation.

In case of disaster without warning the District Magistrate will activate IRT as per Incident Response system, will hold an emergency meeting to take stock of the situation, availability and mobilization of resources for listing out the various tasks and to provide proper briefing to the responders. In such a scenario the decision making will be supported by concerned departments with the help of RVS system.

Response Plan may require different task forces for adequate response to different disaster scenarios where specific functional tasks, such as search and rescue, the provision of water or shelter management, etc.

<b>Response Measures-Multi Hazard Operation Taskforce</b>	<b>Functions</b>
1. Coordination and Planning	Coordinate early warning, Response & Recovery Operations
2. Administration and Protocol	Support Disaster Operations by efficiently completing the paper work and other Administrative tasks needed to ensure effective and timely relief assistance
3. Warning	Collection and dissemination of warnings of potential disasters

4. Law and Order	Assure the execution of all laws and maintenance of order in the area affected by the incident.
5. Search and Rescue (including Evacuation)	Provide human and material resources needed to support local evacuation, search and rescue efforts.
6. Public Works	Provide the personnel and resources needed to support local efforts to reestablish normally operating infrastructure.
7. Water	Assure the provision of sufficient potable water for human and animal consumption (priority), and water for industrial and agricultural uses as appropriate.
8. Food and Relief Supplies	Assure the provision of basic food and other relief needs in the affected communities.
9. Power	Provide the resources to reestablish normal power supplies and systems in affected communities.
10. Public Health and sanitation(including First aid and all medical care)	Provide personnel and resources to address pressing public health problems and re-establish normal health care systems.

Response planning provides rapid and disciplined incident assessment to ensure a quickly scalable, adaptable and flexible response. It incorporates National and State response doctrine, which defines basic roles and responsibilities for incident response across all levels of government and the private sector. Before taking up response activities, the DM (RO/IC as per IRS) will hold a meeting to take stock of the situation, availability and mobilization of resources for listing out the various tasks and to provide proper briefing to the responders. The Incident Action Plan will be drawn and put into action based on the situation assessment. The DM / RO will nominate Operation Section Commander (OSC) based on —incident type and rest will follow as per IRS/IRT and other procedural guidelines issued by the state. IRT for Kalimpong has been mentioned in Chapter 5. Response system has been prepared in the same chapter.

# **Chapter 8**

## **Reconstruction, Rehabilitation and Recovery Measures**

## **Chapter 8 – Reconstruction, Rehabilitation and Recovery Measures**

According to the NDMA Recovery encompasses both short term and long term efforts for the rebuilding and revitalization of affected communities. Recovery planning must provide for a near seamless transition from response activities to short term recovery operations – including restoration of interrupted utility services, re-establishment of transportation routes and the provision of food and shelter to displaced persons. Planners should design long-term recovery plans to maximize results through the efficient use of resources and incorporate national recovery doctrine. Therefore, the Recovery Plan would take the following components into account :

**8.1 Damage assessment mechanism** – The aftermath of a disaster is always a sordid picture of large scale devastation, loss of life, massive destruction of property as well as severe shortage of required relief materials and medical aid compounded by infrastructural damage. Damage assessment is a precondition for effective disaster management. The nature and intensity of disaster aftermath need to be ascertained systematically before conceiving or implementing any type of disaster management plans. There are different techniques of damage assessment like Sample Surveys, Epidemiological Surveillance, Nutrition Centred Health Assessment, Remote Sensing and Aerial Photography (GIS based).

**8.1.1 A Sample Survey** is an important part of Post Disaster Need based Assessment (PDNA) and as such the primary tool for needs assessment and is relevant for evaluation purposes in order to detect and monitor the disaster impact. A representative sample of a population is surveyed, from which valid estimates of the status of an entire target group are made. Even though it can never be a complete assessment, it could still provide a good indication of the rehabilitation needs and requirement. Sampling will provide information on the entire range of problems and /or conditions facing the population. Sample surveys can be undertaken by administering questionnaires for collecting some of the required information like morbidity /mortality figures and statistical analysis for assessing the data collected.

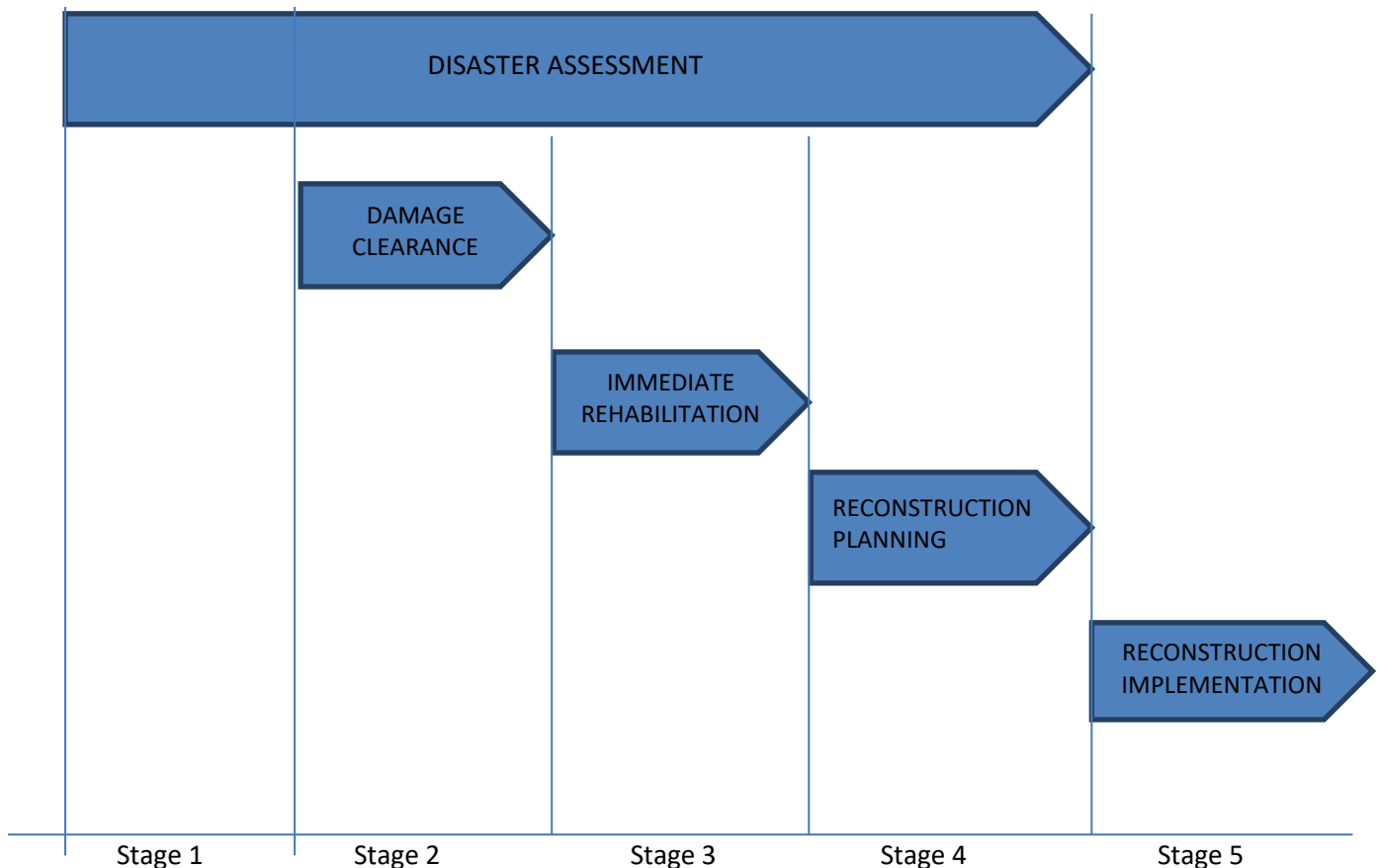
**8.1.2 Epidemiological Surveillance** is the collection and interpretation of data on the risk or actual occurrence of communicable diseases and other health problems in the post disaster scenario. It is a very essential assessment tool in the aftermath of a disaster particularly for a slow-onset and continuing disasters, especially where changes in the living patterns occur such as relief camps of disaster victims. Epidemiological Surveillance should be carried out by government health authorities after a disaster of great magnitude which may also involve voluntary agencies.

**8.1.3 Nutrition Centred Health Assessment (NCHA)** evaluates the health and nutritional status of children under the age of five as the point of contact to detect and assess a full range of health problems. This assessment technique is used for analysing the plight of refugees and displaced persons due to natural disaster or man-made disaster like wars.

**8.1.4 Remote Sensing and Aerial Photography (GIS based)** can be valuable in determining the extent of damages caused by a disaster in the form of satellite imageries. These tools also offer the possibility of acquiring data over remote regions or areas made inaccessible by disruption of roads and other communication systems. These also help in disaster assessment and reconstruction planning. Remote sensing and aerial photography by aircraft and satellites are valuable information gathering tools for damage assessment after earthquakes, cyclones and floods.



Recovery related to Rehabilitation and Reconstruction passes through five stages.



Source : Yasemin Aysan and Ian Davis, 1993.

Due to the overwhelming demand for human resources in the post catastrophe scenario, wide range of players including the public, private and voluntary sectors of the society need to be involved. In the post disaster scenario while planning for disaster recovery it should be made certain that i) available players are involved, ii) qualified players are given appropriate tasks, iii) for each task there is a clear definition of authority, resources and accountability and iv) players are co-ordinated by a designated focal point.



### Arrangement Reconstruction, Rehabilitation and Recovery Measures under Kalimpong

Sl.No.	Task	Dept./Agency	Activities	Time Period	Source of fund
1	<b>Damage assessment</b> – human lives lost	Hospital, Police, Red Cross. Final report prepared by the Disaster Management Department, Kalimpong	Door to door inquiry, report of death and injury tally with hospital and police	2 weeks	SDRF, SD MF
	<b>Damage assessment</b> – Sample Survey	Health, ICDS workers, NGOs	Conduct cluster sample survey, stratified sample survey, detailed sample survey, etc	4 weeks	SDRF, SD MF and funds from concerned dept.
	<b>Damage assessment</b> - Epidemiological Surveillance	Health, Red Cross & NGOs working in the field of health related issues	Door to door survey including relief camps	4 weeks	DM Fund, Concerned dept.
	<b>Damage assessment</b> - Remote Sensing and Aerial Photography (GIS based)	NRSC, IMD, GSI	Satellite imagery of disaster stricken areas	2 weeks	DM Fund, Concerned dept.
	<b>Damage assessment</b> - Damage to life line buildings, private houses and public infrastructure	Disaster Management Department, PWD Construction, and concerned department	Door to door inquiry to ascertain degree of damage	3 weeks	DM Fund, SDRF, SD MF, funds from concerned dept.
2	<b>Reconstruction</b> -Privately owned houses	Disaster Management Department	Construction of destroyed/damaged houses	1 year	HB Grant, Dev. Board housing, Gitanjali Housing Scheme, IAY, ISDP, Owner driven
	<b>Reconstruction</b> – Lifeline buildings, Govt. Housing, schools	PWD Construction, DPLO, GTA	Construction of destroyed/damaged public structures	1 year	SDRF, SD MF, Concerned dept
	<b>Reconstruction</b> - Roads, bridges, culverts, embankments	NH Division 9, PW Roads, GTA, MGNREGA, Irrigation & Waterways	Construction of destroyed/damaged infrastructure	2 years	SDRF, SD MF, Concerned dept
3	<b>Rehabilitation</b> - Post trauma care counselling	Health department, District Social	Psychiatric help to victims of post trauma stress	1 year	Health dept, fund, SDRF

		Welfare and trained NGOs			
	<b>Rehabilitation</b> – Restoring livelihood, Food for work schemes	Disaster Management Dept., District Social Welfare, DPRDO	Schemes to restore normalcy by providing food for work schemes, MGNREGA	1 year	DM Fund, SDRF, SDMF, DPRDO
<b>4</b>	<b>Recovery</b> – Long term recovery	Disaster Management Dept., DPLO, DPRDO	Long term recovery by integrating disaster mitigation into Developmental programmes	Till next disaster	SDMF, All available funds

As per the NDMA guidelines the nodal departments are to diligently work for reconstruction and restoration activities and restore the minimum basic infrastructure in the area which is vital for sustaining human life in the area.

# **Chapter 9**

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

## Chapter 9 – Financial Resources for implementation of DDMP

**9.1** The Disaster Management Act 2005 Section 47(1) provides for setting up of a National Disaster Mitigation Fund (NDMF) for projects exclusively for the purpose of disaster mitigation under NDMA. Similarly section 48 sub section 1, clause (a) calls for establishing the State Disaster Response Fund, clause (b) the District Disaster Response fund, clause (c) the State Disaster Mitigation Fund and clause (d) the District Disaster Mitigation Fund. It is also to be ensured that the fund created under sub section 1 clause (a) is available to the State Executive Committee and under clause (b) is available to the State Authority and funds under clause (b) and (d) is available to the District Authority. The State Disaster Mitigation Fund (SDMF) has been created for West Bengal vide 534(42)-RL/O/EOC/7M-124/17, dt.22.03.2018 as mentioned under section 48 of the Disaster management Act 2005.

**9.2** In the same manner as SDMF there is a provision for creating District Disaster Mitigation Fund and District Disaster Response Fund for districts as per section 48, sub section 1, clause (b) and (d).

The Central Government contributes 75% of the fund under SDRF and 100% of NDRF is Central Government sponsored.

The mitigation measures as laid down in the DDMP are implemented with the help of Disaster Fund at the disposal of the DDMA, Kalimpong chaired by the District Magistrate. The Fund is used by the DDMA towards meeting expenses for preparedness, emergency response, relief, rehabilitation in accordance with the guidelines and norms laid down by the Government of India and the State Government. All line departments, PRIs and ULBs have to prepare and submit DM plans including the financial projections to support these plans on yearly basis.

Tentative expenditure towards disaster mitigation under Kalimpong district:

Expenditure	Amount involved	Remark
Purchase of modern equipment for the Rescue vehicle including life saving equipment (details at the end of the chapter)	Rs.16,71,750	
Communication equipment including Immarsat (break up detail at Chp.15, pg.91)	Rs.4,22,000/-	
Operational cost of DEOC (@480/- x 18 nos. x 12 months)	Rs.20,73,600/-	
Expenditure on capacity building trainings (as per RTC rate of Rs.800/- per head x 25 participants x 34 programmes)	Rs.6,80,000/-	
Rebuilding landslide damaged/destroyed house (HB Grant as per CA II report of Blocks)	Rs.25,67,300/-	
Repair of landslide damaged infrastructure both engineered and un-engineered (as per report submitted by blocks)	Rs.12,78,78,000/-	

### 9.3 Disaster Risk Insurance

A very important part of disaster resilience of the society is the ability of bouncing back to normal life at a very short period. In this regard reconstruction of damaged infrastructure for the government and reconstruction of damaged buildings/houses for private owners will involve huge cost. Many private owners may not be able to recover on their own. The poorer section could be pushed even deeper into poverty in such cases. Agricultural loss, cattle loss will compound the devastating impact in terms of revenue loss. In such a scenario transferring risk by way of insurance of property is an effective recovery measure.

With little or no access to formal insurance mechanisms, or any awareness or interest on the part of Insurance companies, for disasters, the people are forced to delve into their savings for

restoration of property, crops, cattle or treatment of injury, depleting their assets when disaster strikes and are forced into even deeper poverty. Mechanisms like social safety nets, risk sharing or pooling programmes, and insurance tools could help smooth household incomes when shocks occur. This smoothing effect can help low-income households avoid sacrificing longer-term investments in health, education, and livelihood assets when natural hazards occur. Insurance for crops and cattle which account for the maximum economic losses in times of disasters, even low key landslides, cyclonic wind or hailstorm needs to be expanded and made simpler and farmer friendly

Individual assets owner can opt for traditional Insurance, micro insurance, Insurance linked securities, etc.

**Modern Equipments for rescue Van :**

Sl. No.	Name	Requirement	Approximate cost
1	Gas Cutter	4 nos.	4 x Rs.12000/- = Rs.48,000/-
2	Cold Cutter	4 nos.	4 x Rs.12000/- = Rs.48,000/-
3	Chainsaw (Sthil) Diamond	2 nos.	Rs.28,000/- x 2 = Rs.56,000/-
4	Chainsaw (Sthil) Bullet	2 nos.	Rs.28,000/- x 2 = Rs.56,000/-
5	Pneumatic chisel	2 nos.	2 x Rs.5000/- x Rs.10,000/-
6	Hydraulic cutter	1 no.	1 x Rs.7500/- = Rs.7,500/-
7	Spreader (battery operated)	1 no.	1 x Rs.50000/- = Rs.50,000/-
8	Tower Light (Aska)	4 nos.	4 x Rs.2,75,000/- = Rs.11,00,000/-
9	Jack with 5 ton lift	1 no.	1 x Rs.18,800/- = Rs.18,800/-
10	Gumboot	12 pairs	12 x Rs.500/- = Rs.6,000/-
11	Raincoat	12 nos.	12 x Rs.1200/- = Rs.14,400/-
12	Rubber Gloves	3 pairs	3 x Rs.600/- = Rs.1800/-
13	Search Light (Dragon)	4 nos.	4 x Rs.11,000/- = Rs.44,000/-
14	Stretcher harness set	1 no.	1 x Rs.22,000/- = Rs.22,000/-
15	Stretcher aluminium	4 no.	4 x Rs.2700/- = Rs.10,800/-
16	Fire Extinguisher(DCP)	5 no.	5 x Rs.2000/- = Rs.1,00,000/-
17	Adjustable wrenches	4 nos.	4 x Rs.3000/- = Rs.12,000/-
18	Extension ladder	1 no.	1 x Rs.10000/- = Rs.10,000/-
19	Rope ladder	1 no.	1 x Rs.8000/- = Rs.8,000/-
20	B.A.Set	2 nos.	2 x Rs.15,000/- = Rs.30,000/-
21	First Aid set	10 nos.	10 x Rs.1845/- = Rs.18,450/-
		<b>Total =</b>	<b>Rs.16,71,750/-</b>

# **Chapter 10**

## **Procedure & Methodology for Monitoring, Evaluation, Updation & Maintenance of DDMP**

## **Chapter 10 – Procedure and methodology for monitoring, evaluation, updation and maintenance of DDMP**

### **10.1 Authority for maintaining and reviewing the DDMP**

The authority for maintaining and reviewing the DDMP has been vested in the District

Authority vide section 31 clause (4) of the Disaster Management Act 2005 which says that the District Plan shall be reviewed and updated annually, and as per sub section (7) the District Authority shall review from time to time, the implementation of the Plan and issue such instructions to different departments of the Government in the district as it may deem necessary for the implementation thereof. The DDMP for Kalimpong district is maintained, reviewed and updated annually during the period from January to March.

<b>10.2</b> Proper Monitoring and Evaluation of the DDMP	Both processes are managed by the District Authority with the assistance of OC,DMS& Disaster Management Officers at the district Hq. Regular trainings and Mock exercises are held at different locations of the district and any loop holes or gaps in the DDMP are rectified and best practices followed.
<b>10.3</b> Post-disaster evaluation mechanism for DDMP	Post-disaster evaluation is carried out by the District Authority along with the DDMC & other line depts. The whole process of incident management is carefully documented and required reports are sent to the state. Loop holes and gaps are laid down on the table discussed with aim to plug such gaps and be more prepared for the future.
<b>10.4</b> Schedule for updation of DDMP : Regular updation process for the DDMP, reflecting sections that need updation at various intervals	DDMP is updated every year after a coordination meeting with line departments during the month from January to March. Mock exercises are conducted as per the disaster profile of the district and new ideas are included in the updation.
<b>10.5</b> Uploading of updated plans at DDMA/SDMA websites	The uploading of approved updated plan is done at the state level. In the district it is uploaded by the NIC.

**10.6** Conducting mock drills at district and sub district levels, at least annually, is important for the district as per approved Mock drill calendar. It would ensure that all parties understand their roles and responsibilities clearly and understand the population size and needs of vulnerable groups involving them in the actual exercise. It would also help to test the efficacy of the plans prepared. Based on feedback from such simulation exercises, the plans will have to be revised and capacity would be enhanced to fill the gaps. While indicating the mock drill plan of action, it is essential to list down :

10.6.1 The Responsible parties for organizing district drills	Resource persons from the District Disaster Management Department, Kalimpong,
10.6.2 Schedule for organizing drills	As per Govt. order twice a year (in February and November)
10.6.3 Resources for organizing drills.	DM Fund available at the district
10.7 Monitoring and gap evaluation	Based on experiences gained by mock exercises
10.7.1 Checking whether all the personnel involved in execution of DDMP are trained and updated on the latest skills necessary in line with the updated plans.	Orientation programs can be carried out with the help of PowerPoint presentation
10.7.2 Check that the on –site /off-site emergency plan of major chemical, industrial and nuclear installations are received at DC Office.	Not Applicable



# **Chapter 11**

## **Coordination Mechanism for Implementation of DDMP**

## **Chapter 11 – Coordination mechanism for implementation of DDMP**

### **11.1 Intra and inter-Department coordination with horizontal linkages:**

Departmental coordination is maintained vertically and horizontally at all times. Vertical linkage is maintained by way of yearly meeting of disaster preparedness, review and updation of DMPs of all line departments. Whenever there are mock exercises or mega mock exercises precursory meetings are held on regular basis. Disaster Management is presented as one of the agenda in the monthly DLMC meeting also. During monsoon contact is maintained with the affected department and information is obtained as frequently as the situation necessitates and assistance is provided if required.

### **11.2 Coordination mechanism with NGOs, CBOs, Self Help Groups (SHGs), Industries, private schools and hospitals with horizontal and vertical linkages:**

Linkages is maintained with hospitals, industries through actions as mentioned at para 11.1. NGOs working particularly in the field of Disaster Management and Child protection are kept in the loop through meetings and capacity building programmes held in different parts of Kalimpong district from time to time. Coordination is built at individual levels too. Coordination is maintained with the CBOs, SHGs through respective BDOs and BDMOs. Many of the reputed private schools seem to be reluctant to reschedule their yearly schedule for School Safety Programmes and unable to commit. However, some of the private schools under the Blocks were included in the NSSP.

### **11.3 Coordination with block/ village level Task Force(s) with vertical linkages as also inter-block and inter-village coordination with horizontal linkages :**

This mechanism is maintained through Gram Panchayat level meetings.

### **11.4 Coordination system with state departments and training institutes at state and district level:**

Coordination with state departments is maintained through respective line departments and in respect of Disaster Management Dept., Kalimpong contact is maintained with Disaster Management Department, Directorate of DMD, Directorate of Civil Defence. Administrative Training Institute (ATI), Salt Lake contacts the Disaster Management Dept. or RTC under District Magistrate for trainings.

### **11.5 Intra-block and intra-village coordination:**

Intra-block and intra-village coordination is maintained through block level disaster meetings and development meetings.

**11.6 Coordination with local self government (Panchayat Raj - Zila Parishad, intermediate level, if any, and Gram Panchayat and Urban Local Bodies). The responsibilities of local authorities are already listed in the Act. However, these local authorities are required to function “subject to the direction of district authority” (section 41 of the DM Act 2005); hence the need for a vibrant coordination system at these levels.**

Contact and coordination is maintained with the Panchayat Raj functionaries by the respective Block Development Officers with the help of BDMOs/BDMOs-in charge. Liaison is maintained with the ULBs at the SDO level and the District level and necessary guidance is provided while preparing DMP by these departments.

#### **11.7 Linkage with DDMPs of neighboring districts**

Linkage is maintained as per standard protocol.

#### **11.8 Linkage with SDMP**

The DDMP is prepared as per rules laid down by the Disaster Management Act, 2005 and as aided by NDMA guidelines. Therefore, the DDMP Kalimpong is prepared with a view to not only implement overall development of disaster management administration and related activities but also to contribute in the larger preparation of the state by means of SDMP, West Bengal.

# **Chapter 12**

## **Standard Operating Procedure (SOP) & Checklist**

## Chapter 12 – Standard Operating Procedure (SOP) and checklist

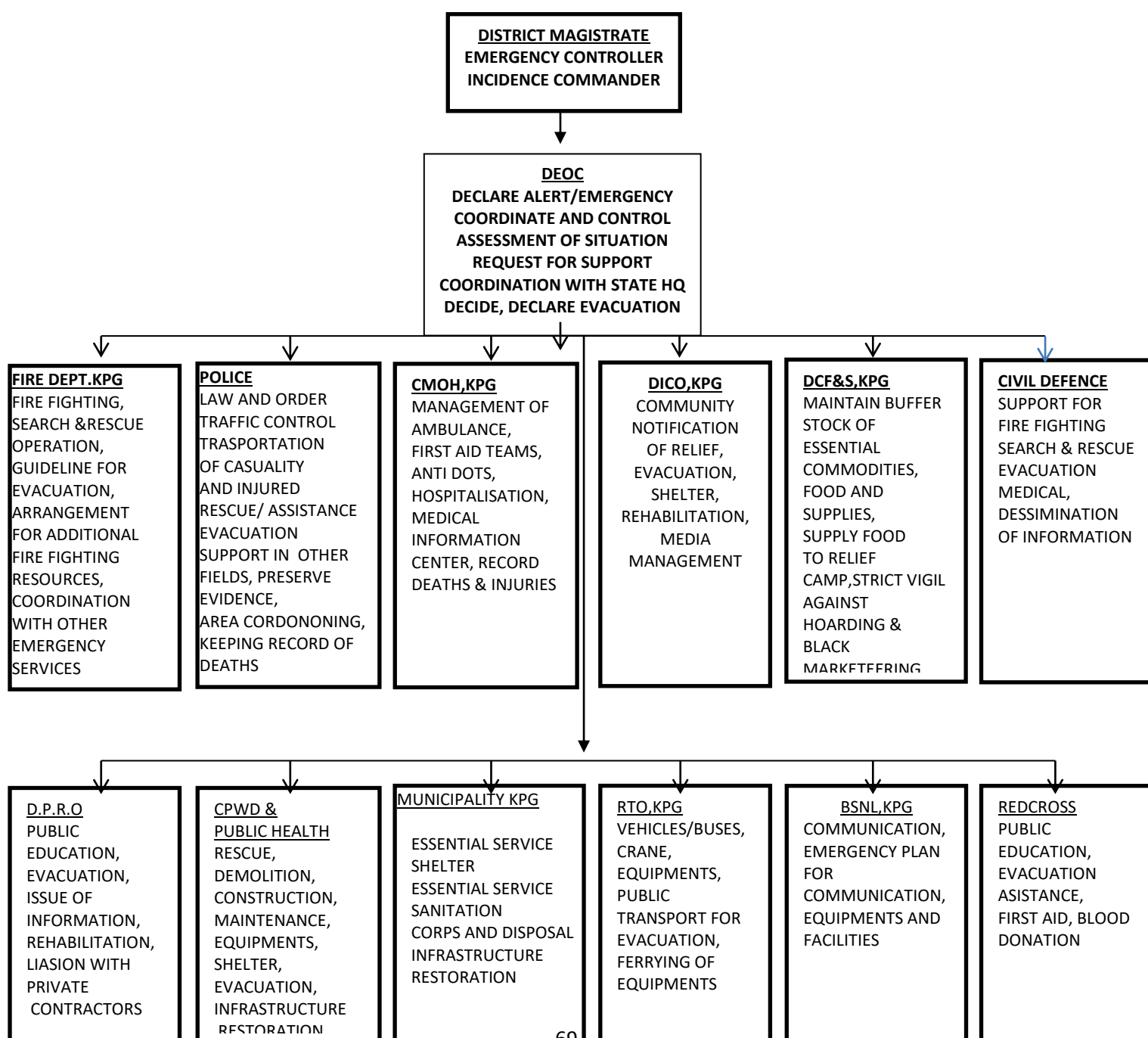
SOPs and checklists could be prepared for various stakeholders' effective response. These can be made based on the functioning of Emergency Support Function (ESF) groups or **IRS**.

Depending on the hazard profile and level of exposure the district should decide in a participatory way the number of ESF covering all the above. The SOPs would briefly describe the following:

### 12.1 Definition of disaster situations :

After the occurrence of a disaster incident whether natural or human induced the DDMA Kalimpong will decide if it merits activating the full response system or not. If the DDMA finds the disaster incident beyond the handling capacity of individual concerned department it will activate the Incident Response System in order to make a response that is comprehensive, effective, swift and well planned.

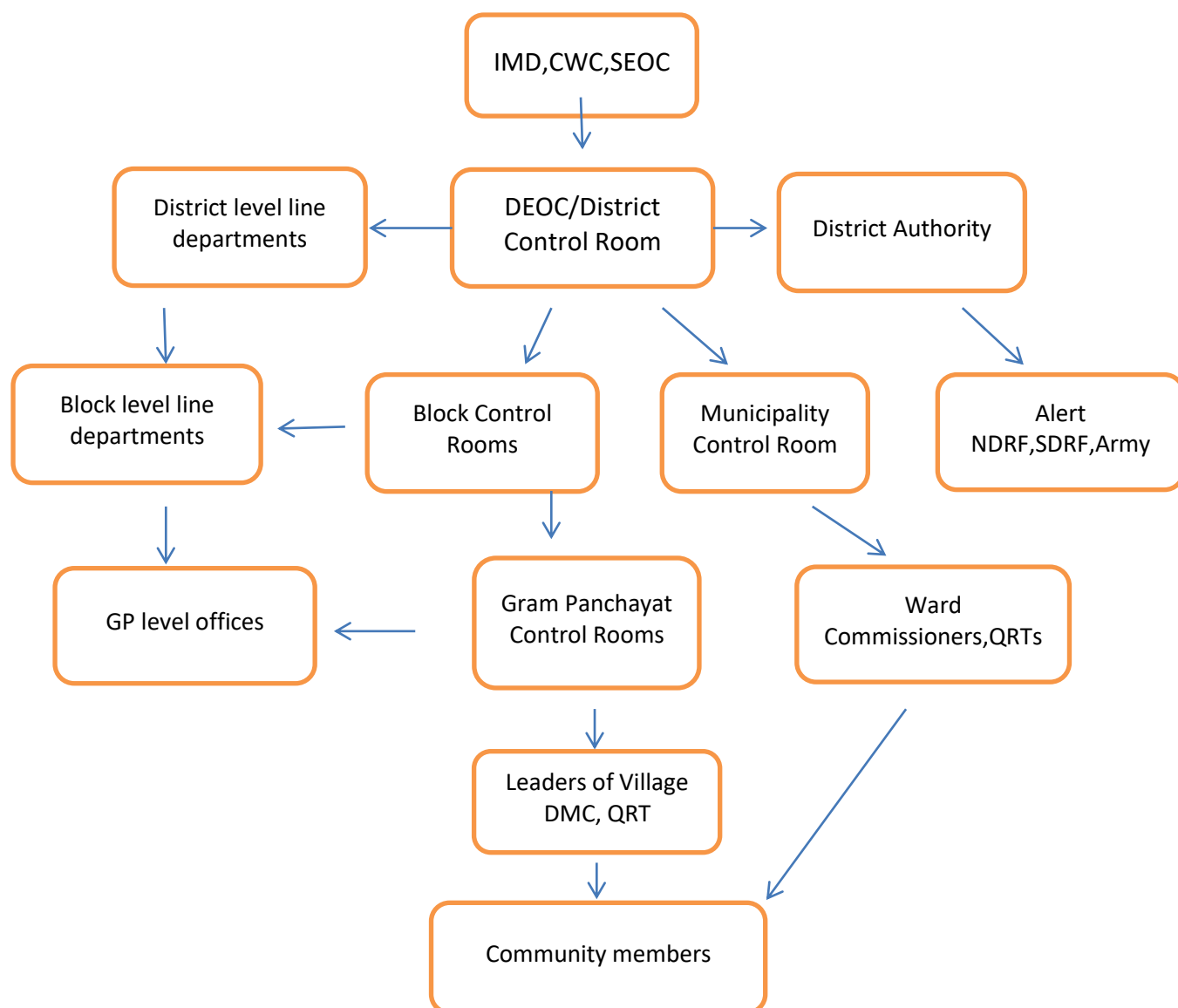
### KALIMPONG DISTRICT EMERGENCY RESPONSE STRUCTURE



## 12.2 Action on receipt of warning and warning dissemination

In case of Early Warning of an impending hazard the following action will be taken : Upon receipt of warning DEOC will inform the in-charge of the Control Room and he in turn will inform the District Authority.

## 12.3 Information management and dissemination strategy



*Pic: Flow of information (With Early Warning)*

## 12.4 Process to access financial and technical resources (departments and stakeholders) for emergency response;

Section 50 clause(a) of the DM Act, 2005 states that the National Authority, the State Authority or the District may authorise the concerned department to make the emergency procurement if it is found that immediate procurement of provisions or materials or the immediate application of resources are necessary for relief or rescue. For the purpose of minor emergency works, construction of relief camps and for purchase of dry food Contingency Fund may be used if available with the Disaster Management, Kalimpong.

## **12.5 Roles and responsibilities of the department or/and stakeholders in emergency response;**

- i) After the incident of disaster having taken place the DEOC will operate in its full capacity and information will be gathered and collated.
- ii) After the activation of IRS the Responsible Officer/Incident Commander will assume charge at Incident Command post and call an emergency meeting of IRT Section chiefs on the basis of information at hand and also corroborated by initial inspection of disaster site/sites.
- iii) Incident Action Plan (IAP) verbal or written will be prepared, depending upon the magnitude of the disaster.
- iv) List of required types of resources will be placed and IDRN website will be checked for requirement of equipment or machineries if unavailable. Based on ETA of outside resources the action plan is made.
- v) Ideally IAP operation will be for not more than 12 hours.
- vi) Various agencies under the supervision of Operations chief will launch rescue, evacuation, salvage operation accompanied by First Aid teams.
- v) Rescued victims will be sent to the triage centre where they will be forwarded to definitive health care or released after first aid depending upon assessment by on site doctors.
- vi) Homeless victims will be sent to Relief Camps where gruel kitchens will be opened for feeding them including baby food. Foodgrain will be provided by the District Authority and in the event of insufficient food grains the same will be procured by the DCF&S, Kalimpong.

## **12.6 Media management strategy during emergency response:**

Information will be released to press at particular interval by the Information Officer as per the IRS, in this case by the DICO, Kalimpong or whosoever is deem fit by the District Authority. Media will be used effectively as not only the mouthpiece of the department but also to dispel any fear, rumour or distorted information,etc. In case of a disaster affecting a large area information received from the media regarding an area that may not have been accessed by the Rescuers can be put to good use. Electronic media can be used to disseminate any new information regarding a disaster. If properly managed the media can be used as an effective tool for spreading dos and don'ts about the present disaster situation.

## **12.7 Request for state government assistance**

Any request for state government assistance will go through the District Authority.

**12.8 Relief and Rehabilitation Norms (Standards) Emergency Response/ Support Functions:** As per extant rule.

12.8.1 Evacuation	The Disaster Management Authority, Kpg, Police, PWD, Municipality, Civil Defence, QRTs,NVF(if available)
12.8.2 Search and Rescue	Will be carried out by Civil Defence, Fire Dept.,NDRF,Army, other local volunteers
12.8.3 Cordoning the area	Police, CISF,SSB
12.8.4 Traffic control	Police, Home Guard
12.8.5 Law and order and safety measures	Kalimpong Police
12.8.6 Dead body disposal (Number of persons with disabilities who died or were seriously injured in disasters)	Health & Police along with local volunteers, Disaster Management Dept.,District Social Welfare, Red Cross
12.8.7 Carcass disposal (Add more if necessary)	Municipality, local volunteers
12.9 Humanitarian Relief and Assistance:	Disaster Management Dept., other aid workers under the supervision of the District Authority

12.9.1 Food	Gruel kitchen will be opened for providing cooled food to Relief camp inmates. Rice will be supplied from the Special GR quota
12.9.2 Drinking Water	P.H.E and Kalimpong Municipality
12.9.3 Medicines	C.M.O.H., Kalimpong
12.9.4 Psycho social and Trauma care	C.M.O.H., Kalimpong
12.9.5 Clothing	Disaster Management Dept., Kpg
12.9.6 Other essential needs	DM Kit will be provided by the Disaster Management Dept.,Kpg
12.9.7 Shelter Management (disability-inclusive accessible emergency shelters and disaster relief sites)	By Disaster Management Dept.,Kpg, District Social Welfare
12.9.8 Providing helpline	DICO, Kalimpong
12.9.9 Repairs and restoration of basic amenities (e.g. water, power, transport etc)	WDSCL, PHE, PWD, PW Roads, NH10, NH31,GTA, GREF
12.9.10 Management of VIP visits	Kalimpong Police, DIB in consultation with District Authority,Kpg
12.9.11 Maintenance of Emergency reserves including those by private agencies (Add more if necessary)	DCF&S, Kalimpong, Chamber of Commerce, Khudra Byapari Sangathan

Regarding mobilisation of IRT, QRT & CDV Annexure III & VII enclosed.



# **Chapter 13**

## **Dam Safety Plan for NHPC Teesta Low Dam Project(As received from NHPC-TLDP III & IV)**

**Annexure -1****Salient Features of Teesta Low Dam-III Power Station****1.0 DESCRIPTION AND LOCATION OF TLD-III BARRAGE**

TLD-III Barrage is the last but one, in the series of four projects named TLDP-I, II, III & IV respectively all in the state of West Bengal envisaged as a run of the river scheme in a cascade development on the lower stretch of Teesta river. TLD-III PS is located 7.2km downstream of Teesta Bridge and is bounded by Latitude 27° 0' N and Longitude 88° 27' 30" E. Besides regulating the discharge, the barrage shall also raise the water level and provide a higher head for power generation. The FRL for the project has been kept at El. 208m to keep the submergence and related problems to a minimum. The MDDL has been kept at El. 203m to provide storage for peaking during lean flow period. The water in excess of the requirement of power generation shall be passed through seven (7) spillway bays regulated by radial gates. The crest of the barrage/spillway has been kept at El 183 m, i.e. almost at the riverbed so that retrogressive silt flushing near the intakes is effective. Therefore, no separate silt exclusion arrangement has been provided. A comprehensive Reservoir Operation Manual has been adopted and always kept available at Barrage Control Room, which operated at round the clock for monitoring and maintaining gate operation and reservoir as per requirement of Power Generation schedule, flood control etc. During the non monsoon season the reservoir operates close to the FRL and during monsoon season the reservoir shall be maintained at EL. 206.0m so as to reduce the quantum of sedimentation in the live storage of reservoir & managing flood situation. The salient features of TLD-III Power station are as below:

**1.1 LOCATION**

➤ STATE	WEST BENGAL
➤ DISTRICT	DARJEELING
➤ RIVER	TEESTA
➤ BARRAGE SITE	7.2 KM. D/S OF TEESTA
BRIDGE	
➤ LATITUDE	27°00'00" N
➤ LONGITUDE	88°27' 30" E
➤ NEAREST RAIL HEAD	NEW JALPAIGURI
➤ NEAREST AIRPORT	BAGDOGRA

**1.2 HYDROLOGY & CLIMATOLOGY**

➤ CATCHMENT AREA	7755 SQ.KM
➤ LOCATION OF CATCHMENT	LATITUDE 27°0'N to
28°07'N	LONGITUDE 88°0'E to
88°53'E	
➤ AVERAGE ANNUAL RAINFALL	2218MM
➤ MAXIMUM TEMPERATURE	37°C
➤ MINIMUM TEMPERATURE	8°C

**1.3 RESERVOIR**

➤ FULL RESERVOIR LEVEL (FRL)	EL 208.0M
➤ MIN. DRAW DOWN LEVEL (MDDL)	EL 203.0M
➤ GROSS STORAGE	18.36 M CUM

➤ AREA UNDER SUB-MERGENCE AT FRL	156.49 --
➤ CAPACITY AT MDDL	11.57 M CUM
➤ LIVE STORAGE	6.79 M CUM

#### 1.4 BARRAGE

➤ TYPE	RCC RAFT
➤ WITH PIERS	
➤ TOP ELEVATION	EL 210.0 M
➤ CREST ELEVATION	EL 183.0 M
➤ DOWNSTREAM FLOOR LEVEL	EL 178.00 M
➤ LENGTH OF FLOOR	190.0M
➤ UPSTREAM FLOOR LEVEL	EL 182.0M
➤ UPSTREAM FLOOR THICKNESS	1.5m
➤ LENGTH AT THE TOP	144.50 M
➤ THICKNESS OF PIER	3.5m
➤ HEIGHT OF BARRAGE	32m (from
➤ Stilling basin)	

#### 1.5 SPILLWAY

➤ DESIGN FLOOD FOR SPILLWAY	10430
➤ CUMECs	
➤ TYPE	GATED WEIR
➤ WITH	
➤ CREST ELEVATION	BREAST WALL
➤ NUMBER & SIZE OF SPILLWAY OPENING	EL 183.0 M
➤ 14M	7 NOS , 14 M X
➤ TYPE OF GATE	RADIAL GATE
➤ DESIGN DISCHARGE FOR ENERGY DISSIPATION	5850 CUMEC
➤ ENERGY DISSIPATION	STILLING
➤ BASIN WITH	END SILL

#### 1.6 DIVERSION ARRANGEMENT

➤ TYPE	DIVERSION
➤ CHANNEL	
➤ DIVERSION CAPACITY	AND DYKES
➤ HEIGHT OF CONCRETE COFFER WALL	4700 CUMECs
➤ (MAXIMUM)	21.6
➤ HEIGHT OF DYKES	15.76 M

#### 1.7 INTAKE

➤ OVERT LEVEL	EL 198.25 M
➤ INVERT LEVEL	EL 189.15 M
➤ NUMBER & SIZE OF GATE OPENING	4 NOS ; 7.0 M
➤ X 7 M	
➤ STOPLOGS OPENINGS	4 SETS 7 M X 7 M

#### 1.8 PENSTOCK

➤ NUMBER	FOUR
----------	------

➤ SHAPE	CIRCULAR.
➤ STEELLINED	
➤ SIZE	7.0M DIA
➤ LENGTH	44 M EACH
➤ DESIGN DISCHARGE	173.4
➤ CUMEC(EACH UNIT)	

#### 1.9 POWER HOUSE

➤ TYPE	SURFACE
➤ DESIGN DISCHARGE	693.6 CUMECs
➤ INSTALLED CAPACITY	4 X 33 MW
➤ POWER HOUSE	125X23.5X56.9 M
➤ NUMBER OF UNITS	4 Nos.
➤ TYPE OF TURBINE KAPLAN	
➤ TURBINE AXIS ELEVATION	El.180.0m
➤ MAXIMUM GROSS HEAD	22.09 M
➤ RATED NET HEAD	21.34 M
➤ DRAFT TUBE GATE	8
➤ NOS. 5.95MX7.40M	
➤ MINIMUM TWL(FOR ONE MACHINE)	El.182.73m
➤ NORMAL TWL (4 UNITS RUNNING)	El.184.24m
➤ MAXIMUM FLOOD LEVEL FOR 10430 CUMEC	El.194.75m

#### 1.10 TAIL CHANNEL

➤ SHAPE	TRAPEZOIDAL
➤ BASE WIDTH	88 M
➤ LENGTH	100 M
➤ WEIR LEVEL	El. 180.0 M

#### 1.11 POT HEAD YARD

➤ SIZE AND LOCATION	35X11.5 M AT EL.
197.00	BETWEEN INTAKE
AND D-	LINE ABOVE GIS

#### 1.12 POWER GENERATION

ANNUAL ENERGY GENERATION IN 90% DEPENDABLE YEAR IS 594.0

**Annexure -XVIII****Emergency Handling Items at Power House of TLD-III PS**

Emergency Handling Items / Equipments at Power house		
Sl.No.	Item Name	Quantity
1	Magnetic Drill Machine	1
2	Electric Hand Drill Machine	1
3	Centrifugal Pump 1.5 Hp	2
4	Centrifugal Pump .5 Hp	1
5	Submersible Pumps 3 HP	4
6	Submersible Pumps 35 HP	1
7	Submersible Pumps 10 HP	1
8	Submersible Pumps 5 HP	1
9	MIG welding machine with MIG welding nozzle and accessories	1 no
10	TIG welding machine with TIG welding nozzle and accessories	1 no
11	Single stage oxygen regulator	1 no
12	Two stage DA regulator	1 no
13	Cutting torch for welding	1 no
14	Tap wrenches M3 - M10	2 sets
15	wrenches for round dies M3 - M10	2 sets
16	Plate cutter for 1mm sheet	2 nos
17	Die cutting device upto 16mm	1 set
18	Cable cutters up to 240 mm2	2 sets
19	Portable band saw(jigsaw cutter)	2 sets
20	Protective eye goggles	10 nos
21	Polyster Sling set of 1 MT & 2 mtr	2 nos
22	Polyster Sling set of 2 MT & 2 mtr	2 nos
23	Polyster Sling set of 5 MT & 4 mtr	2 nos
24	Polyster Sling set of 15 MT & 8 mtr	2 nos
25	Polyster Sling set of 20 MT & 5 mtr	2 nos
26	Polyster Sling set of 25 MT & 14 mtr	2 nos
27	Chain Pulley Block Capacity 3T & 8 mtrs	1 no
28	Chain Pulley Block Capacity 2T & 8 mtrs	2 nos
29	Chain Pulley Block Capacity 3T & 3 mtrs	1 no
30	Wall ladder 5 ft	2 nos
31	Wall ladder 8 ft	2 nos
32	Hydraulic lifting Jack 5 T,10 T,20T & 50T	2 nos each
33	Pipe wrenches 18 inch	1 no
34	Pipe wrenches 24 inch	1 no
35	12" Slide Wrench	1 no
36	10" Slide wrench	1 no
37	D-shackles M12,M16,M20,M24,M30,M36 & M42	2 nos each

**Emergency Handling Items at Dam Site of TLD-III PS**

Sl.No	Description of items	Unit of Measurement	Qty
1	Power Boat	Nos	1
2	Life Jackets	Nos	4
3	Helmets	Nos	10
4	Showels	Nos	5
5	Crowbars	Nos	2
6	Hammers (6.5 Kg)	Nos	1
7	Hammers (1.0 Kg)	Nos	2
8	Nylon Ropes 3/4"	Mtrs	50
9	Nylon Ropes 1/2"	Mtrs	50
10	Maneela Ropes	Mtrs	100
11	Emergency Light	Nos	4
12	Safty Belts	Nos	5
13	Flexible Hozes	Mtrs	100
14	Empty Barrels	Nos	5
15	Dragon lights	Nos	2

**Annexure –K3**  
**operators**

**List of Equipments , its location and**

S.No.	Name of equipment	AIN(Asset Identification Number)	Location	Name of operator
1	Wheel Dozer "BEMI."	411010001	Power House (Civil)	Sh. Basudev Das
2	Loader cum excavator JCB	442010001		
3	Mobile Crane "Omega"	409010001	Mechanical Division	Sh Kedar Prasad Rai ( Contract Manpower)
4	Air Compressor "Atlas-Copco"	331280004		

**CONTACT NUMBERS OF NHPC KEY PERSONNELS & CONTROL ROOMS**

Sl.No	Name	Designation	Mobile Number
1	S.K. Agrawal	Chief Engineer (I/C)	03552-261018
2	Aditya Gautam	Chief Engineer (E)	9816503059
3	Shaji K	Senior Manager(E)	8826633308
4	Lalit Mohan	Manager(Mechanical)	8945532612
5	S.K. Pradhan	Manager (Mechanical)	8894295950
6	Sh. M. K. Barnwal	Manager(F)	9800050993
7	Sh. Mohsin	Manager (Elect) Store	9800014889
8	Anish Padhiyar	Manager (C) - Safety	9402880203
9	Zabiullah	Manager (Mechanical)-Hm	9933003855
10	Rajkumar	Manager (Electrical)-Ph	7599004774
11	D K Mushahary	Manager (Mechanical) -Ph	8811071030
12	Sajid Akhtar	Manager (E&C) -Ph	9436678603
13	Prashant Kumar Mohanta	Engineer(E&C)	9002093916

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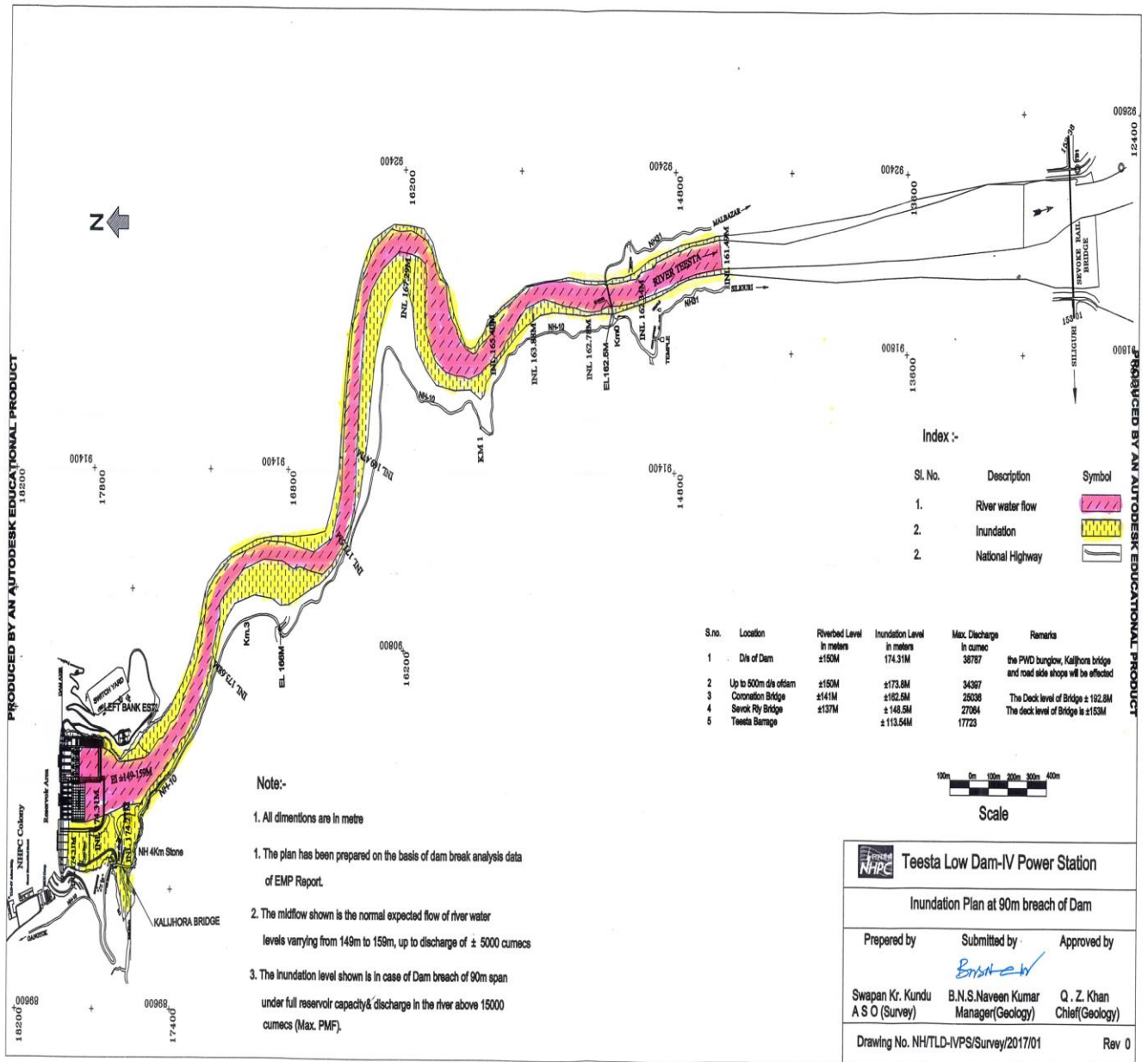


### Projected Inundation Map Data Showing Tagging with Flood Shelter

Name of Dam		Inundation Projection Information for River Teesta					Remarks
Name of Village/Mouza or Ward Number	Population	Whether Likely to be partly flooded or fully	Population likely to be affected	Population projected to be shifted to flood shelter	Location of Flood shelter / Cyclone shelter tagged for evacuation	Within Inundation prone village / mouza/ ward-list offices / health centre/schools/power station/railway station/bus stand/factory etc likely to be flooded if any	
Kalijhora Village	Approx. 500	Nil	Nil	Nil	NA	Nil	EAP of TLD-IV PS
Kalijhora	NIL	Partly	Nil	Nil	NA	TLD-IV Power Station and part of NH-10 near Kalikhola Bridge/PWD Bunglow, Kalijhora.	EAP of TLD-IV PS

Note: The above projected data is in case of Dam Break Scenario and discharge in the river above 15000 cumecs (i.e Permissible Maximum Flood).

*Dr. Ananta Kumar  
MGR (Geology)*



# **Chapter 14**

## **Earthquake Mock exercise**

### **Plan Gap**

## Chapter 14 – Earthquake Mock Exercise Gap Matrix

The whole of Kalimpong district falls within the seismic zone IV, i.e., the second highest level of threat from the point of view of earthquake. Although Kalimpong has never been the epicentre of any earthquake in recent history but any earthquake in Sikkim, Nepal or Tibet is bound to have effect on whole Kalimpong depending upon the intensity. In case of a major earthquake the geographical location of Kalimpong which is hilly and with infrastructure spread over steep slope gradient there is every chance of the problem being compounded by earthquake induced landslides. There are many concrete buildings in the Kalimpong town area and in the surrounding areas. There are semi urban towns like Pedong, Algarah, Lava, Teesta, Jholong, etc. which have witnessed mushrooming of concrete buildings in the past decade. In the event of a major tremor these areas will be badly affected and result in building collapse. More than 50,000 people live in the Kalimpong Municipality area and a large number of people come to the town area everyday. Many schools and offices are found within a radius of 3kms of Kalimpong town. Therefore, more than adequate preparation on the part of the District Authority and other stake-holders cannot be overstated.

All preparations regarding tackling earthquake has been added in previous chapter. Equipments like circular chainsaw with the ability to cut concrete slabs or steel, heavy driller, etc. have been procured by the Disaster Management Dept. and equipment like Halmatro (Hydraulic spreader) have been procured by the Fire Dept., Kalimpong which will come handy in rescue operations concerning fallen structures. The Disaster management & Civil Defence Dept. Kalimpong is in the process of acquiring other sophisticated equipments in the future.

In view of above a mega Mock Exercise was held in Kalimpong on 12.10.2018 preceded by a table top exercise on earthquake. The magnitude of the mock earthquake (8.0), scenario and timing was given by the disaster Management Department, West Bengal. As per the order of the government all important line departments, the armed forces, CAPF, NDRF, SDRF, etc were involved in the exercise which was conducted from the DEOC with the staging area at Gym Hall Ground of S.U.M.I.

The mock earthquake was tackled using the Incident Response System. Incident command post was created and other sections like the Operations, Planning, Logistics and Finance Sections too were created and populated. The following results were found after the mock exercise :

Sl.No.	Major Points	Observations
1	Incident Response System	Only a very few members of the line departments are aware of this system of disaster response while this system has been adopted in the country at first as Incident Command System in 2003 and subsequently as Incident Response System .
2	Mock Exercise	Although most of the schools are aware of mock drills the concept is still not clear to other departments
3	Coordination between	Coordination between District Authority,

	participants	Armed forces, NDRF,CAPF very good due to understanding about the business at hand and how to go about it. Coordination with line departments, NGOs and Civil societies can be made better.
4	Communication Network	Since it was told to maintain mobile and landline phone silence there was a difficulty in communicating with the stakeholders at different mock disaster sites spread over a distance of 36 kms. Although the Kalimpong District Police wireless teams helped by setting up communication points at some locations it was clear that modes of alternative communication has to be developed. (Details in Chapter 15)
5	Road Connectivity	Due to the hilly terrain roads can be easily blocked by landslides or rock slides and infrastructure may be the first to take the hit. Over and above there are only 2 major roads that lead to the District hq. One is the NH10 from Teesta side and the other is SH12 entering from Gorubathan side. SH12 is already in a very bad shape as the GREF is widening the road. There are other minor roads leading to Kalimpong but they pass from even more fragile terrain. In such as case the District Civil Defence team needs to be strengthened by adding modern search and rescue equipments along with the know-how of operation.
6	Community Involvement	Community involvement in such exercises is mostly really low. Public announcement had been down before the mock exercise asking people to come forward and participate. Only a handful turned up. More public awareness of disaster management is required.
7	NDRF Hq	Again due to the same problem of road blockade NDRF help may not be accessible during the hour of need. Therefore, a stationing of a Company strength NDRF with equipments could be very beneficial to the whole hilly region.

8	Traffic Management	Traffic management needs to be better coordinated because the roads are mostly congested and clogged with parked vehicle and encroachment. Therefore, traffic police need to be briefed about traffic management during disaster period when emergency vehicles carrying victims need quick transportation.
9	Hospital	During the mock exercise some of the weakness in the hospital safety plans came to the fore. The District hospital's expansion plan during patient surge is inadequate. Overall staff of the hospital need to be given awareness training regarding disaster management and they should be aware of their roles. In case of hospital structure failure the staff need to know how to evacuate everyone to safety and in the worst case scenario of total collapse of hospital building incapacitating doctors and nurses along with vital equipments the hospital should have the capacity to operate field hospital. It is imperative to have networking hospitals where critical patients can be shifted.
10	Civil Defence	The Civil Defence is the first responder in search and rescue operations. Therefore, the Civil Defence need to be more involved in mock exercises so that they don't lose the valuable skills learned from different trainings.

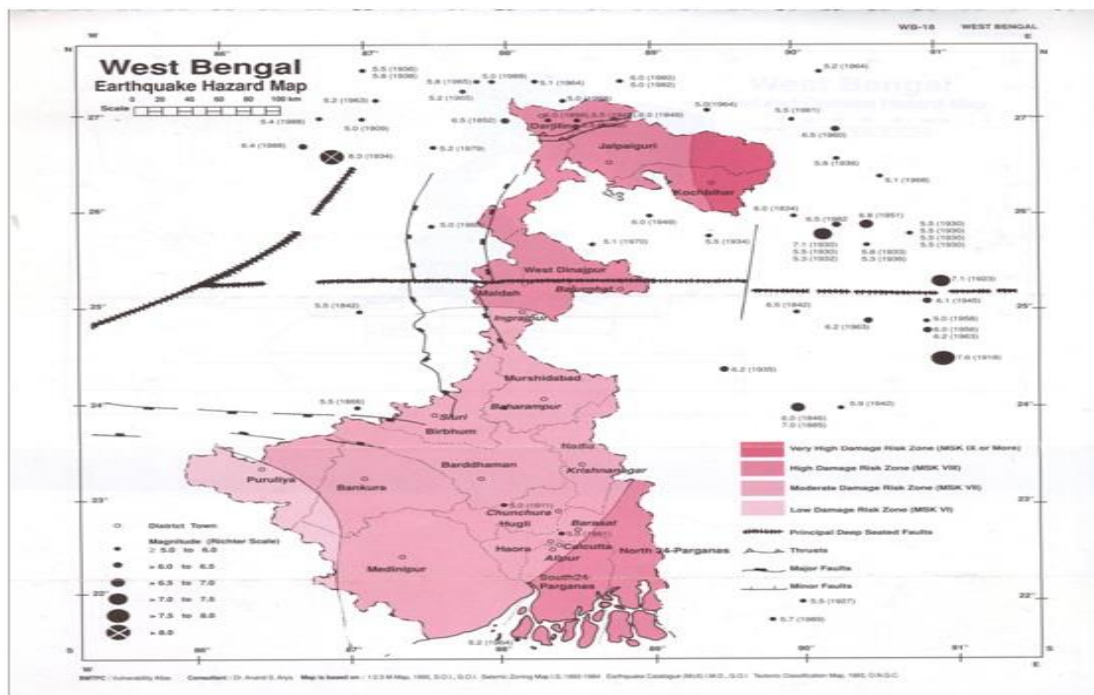
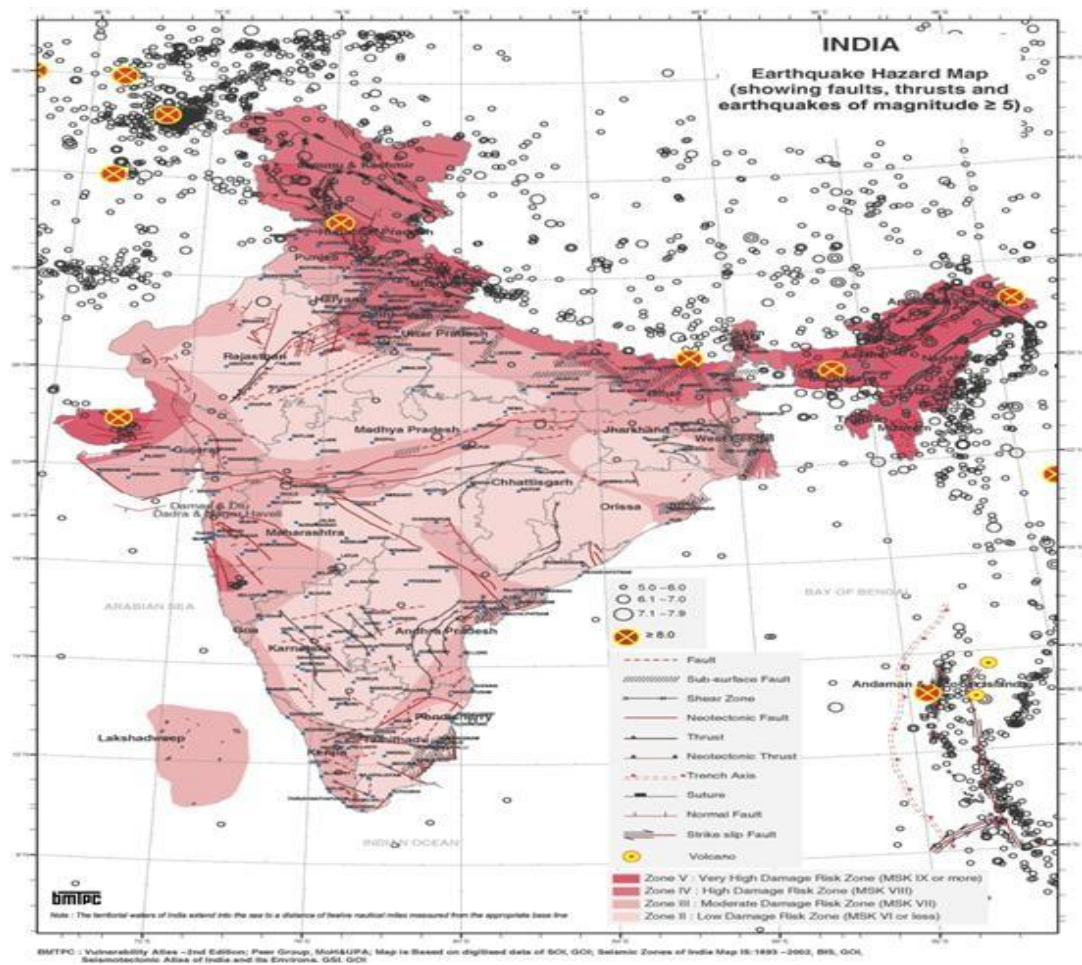
**Modern Equipments required for Civil Defence :**

Sl. No.	Name	Requirement	Approximate cost
1	Gas Cutter	4 nos.	4 x Rs.12000/- = Rs.48,000/-
2	Cold Cutter	4 nos.	4 x Rs.12000/- = Rs.48,000/-
3	Chainsaw (Sthil) Diamond	2 nos.	Rs.28,000/- x 2 = Rs.56,000/-

4	Chainsaw (Stihl) Bullet	2 nos.	Rs.28,000/- x 2 = Rs.56,000/-
5	Pneumatic chisel	2 nos.	2 x Rs.5000/- x Rs.10,000/-
6	Hydraulic cutter	1 no.	1 x Rs.7500/- = Rs.7,500/-
7	Spreader (battery operated)	1 no.	1 x Rs.50000/- = Rs.50,000/-
8	Tower Light (Aska)	4 nos.	4 x Rs.2,75,000/- = Rs.11,00,000/-
9	Jack with 5 ton lift	1 no.	1 x Rs.18,800/- = Rs.18,800/-
10	Gumboot	12 pairs	12 x Rs.500/- = Rs.6,000/-
11	Raincoat	12 nos.	12 x Rs.1200/- = Rs.14,400/-
12	Rubber Gloves	3 pairs	3 x Rs.600/- = Rs.1800/-
13	Search Light (Dragon)	4 nos.	4 x Rs.11,000/- = Rs.44,000/-
14	Stretcher harness set	1 no.	1 x Rs.22,000/- = Rs.22,000/-
15	Stretcher aluminium	4 no.	4 x Rs.2700/- = Rs.10,800/-
16	Fire Extinguisher(DCP)	5 no.	5 x Rs.2000/- = Rs.1,00,000/-
17	Adjustable wrenches	4 nos.	4 x Rs.3000/- = Rs.12,000/-
18	Extension ladder	1 no.	1 x Rs.10000/- = Rs.10,000/-
19	Rope ladder	1 no.	1 x Rs.8000/- = Rs.8,000/-
		<b>Total =</b>	<b>Rs.16,23,300/-</b>

It is also equally imperative that the common people be made aware of the threat faced by them due to the whole area falling under seismic zone IV meaning there is a very high possibility of occurrence of an earthquake of above 7 magnitude. In such a scenario a disaster aware populace will greatly help to mitigate the impact of an earthquake.







# **Chapter 15**

## **Communication Plan in Case of Mobile Failure**

## Chapter 15

### Communication Plan, in case of mobile network failure :

Communication is at all times very crucial to human existence. During times of disaster it becomes a question of survival for the affected. And for the rescuers the delay in information and gap in communication will prove to be a huge set back as the opportunity to utilise the golden hour will elapse. Coordination of rescue work and collection of vital information for planning of further action will be greatly hampered in the event of communication failure. Messages of early warning will have significance only if they reach the people in time. Therefore, communication particularly during emergencies is indispensable.

During the mock exercise of 10<sup>th</sup> October 2018 earthquake emergency response was tried without using conventional mode of long distance communication like mobile phones (voice call, sms, whatsapp, etc) and telephones. It was highly challenging because it was difficult to know what was going on at different disaster sites even though the venues were pre-selected. Police wireless teams were set up at important sites and hospitals for ease of communication. However, in real life situation such amenity mostly will not be available. Even today there are many mobile shadow zones in Kalimpong district. For such a scenario modes of all weather communication system available with the Disaster Management dept. is presently limited to a satellite phone. In the past VHF sets, both static and mobile, were used as mobile phones were not available. After the advent of mobile phones the old VHF system became obsolete.

As an alternative to normal mode of tele-communication the following communicating equipments have been requisitioned for Kalimpong district :

#### Communication :

Sl. No.	Name	Requirement	Approximate cost
1	Immarsat (Satellite Phone)	3 nos.	3 x Rs.82,000/- = 2,46,000/-
2	VHF Communication set (static)	5 nos.	5 nos. x 17,000/- = Rs.85,000/-
3	VHF Communication set (mobile)	10 nos.	10 x 6500/- = Rs.65,000/-
4	UHF Communication set (mobile)	4 nos.	4 x Rs.6500/- = Rs.26,000/-
		<b>Total =</b>	<b>Rs.4,22,000/-</b>

**Future Plan of Action**

Sl. No.	Name	Requirement	Remark
1	HAM Radio	Awareness generation among the youth regarding HAM radio as a hobby	
2	Satellite Phone	If all BDOs are connected by satellite phone communication with the District hq will be seamless	
3	VHF, UHF Sets (Static)	Static sets can be placed at district, sub-division, block and gram panchayat offices	
4	VHF, UHF (mobile)	If provided to each GP, Block, District hq communication will can be closed to a great extent. Mobile units can be provided to CD Volunteers during times of emergency for spot reporting and coordinating with the DEOC	
5	Police Wireless System	In the absence of all above mentioned items police wireless system is the only option for thana to thana message	

# **Chapter 16**

## **List of Heritage Buildings**

### Chapter 16 – List of Heritage Buildings

Name of Heritage	Address	Significance	Year of construction	Block/ Municipality	Whether prone to inundation (Y/N)	Whether located in Landslide/Eq/ Cyclone/Tsunami /Prone Zone. If so specify	Whether sufficient Fire Fighting Arrangements are there	Any special measures taken for disaster risk reduction, if any	Remarks
Gauripur House	Below Hill Top, Ringkingpong Road, Kalimpong	Nobel Laureate Rabindranath Tagore's favourite place where he celebrated his 78 <sup>th</sup> birthday and composed a poem named 'Janmadin'	Before 1926	Kalimpong Municipality	No	Earthquake zone IV	No	No	Old and unmaintained. Presently a care taker's family lives there.
Morgan House	Ringkingpong Road, Durpin, Kalimpong	It's a British Colonial mansion. Presently it is boutique hotel run by WBTDC	Early 1930s	Kalimpong Municipality	No	Earthquake zone IV	Yes (Fire extinguishers installed)	No	Nil
Chitrabhanu	Atisha Road, Kalimpong	The cottage was built by Protima Devi ,the daughter-in-law of Rabindranath Tagore to train women of the hills in art and craft.	8 <sup>th</sup> August 1943	Kalimpong Municipality	No	Earthquake zone IV	No	No	Nil
Katharine Graham Memorial Church	Dr.Grahams Homes GP, Kalimpong I	Protestant Church built by Dr.John Anderson Graham, a Scottish missionary	24 <sup>th</sup> Sept. 1925	Kalimpong I Block	No	Earthquake zone IV	NA	Repair & retro-fitting going on at present	Suffered major damages due to earthquake of 2011.Presently closed.

McFarlen Church	K.D.Pradhan, Kalimpong	Rev. William Macfarlen, a Scottish missionary was the founder of the church which is the oldest church in Kalimpong	1 <sup>st</sup> Nov. 1889	Kalimpong Municipality	No	Earthquake zone IV	Yes (Fire extinguishers installed)	No	Damages due to earthquake of 2011.
Tharpa Choling Monastery	Tripai Road, Tripai, Kalimpong	Geshe Rinpoche Ngawang Kalsang "the Great Doctor" of Tibetan medicine founded the monastery of 'Gelugpa' sect.	1912	Kalimpong Municipality	No	Earthquake zone IV	Yes (Fire extinguishers)	No	Nil
Thongsa Gumba	L/Gumbahatta, Kalimpong	It is the oldest monastery in Kalimpong. It is also known as the Bhutanese Monastery	1678 & 1964	Kalimpong Municipality	No	Earthquake zone IV	Yes (Fire extinguishers)	No	Nil
Zang Dhok Palri Monastery (Durpin)	Durpin, Kalimpong	It is a Tibetan Buddhist monastery. It houses many rare scriptures brought from Tibet including the 108 volumes of 'Kangyur'.	1970	Kalimpong Municipality	No	Earthquake zone IV	No	No	Nil

# **Chapter 17**

## **National School Safety Programme (NSSP) Kalimpong**

## Chapter 17 – National School Safety Programme (NSSP) Kalimpong

Time Frame : 2014 - 2017

No. of Schools selected: 50 nos.

Kalimpong District was one of the few districts that were selected for National School Safety Programme (NSSP) while it was a sub division under Darjeeling district. Kalimpong was selected because of the fact that it lies under seismic zone IV where an earthquake of above VIII magnitude is very much possible. Under the NSSP 50 nos. of schools (Secondary, Primary, Govt. or Govt. sponsored, private) were selected from different parts of the district for spreading consciousness among students regarding saving themselves and helping others during earthquakes. Under the programme formation of School Disaster Management Committee, Disaster Management Teams(DMT), School Disaster Management Plan, earthquake evacuation, general school safety,etc were taught through different training programmes, awareness programmes and through means of IEC materials. Mock drills were carried out in all participating schools. Awareness was spread through means of elaborate programmes like sit and draw competition, easy competition, poetry competition and rallies with the theme of Earthquake/Landslide. Under NSSP more than 100 nos. of teachers, 74 nos. of non-teaching staff and 2013 nos. of students were trained regarding school safety, hazard hunting, first aid, basic search and rescue techniques, fire safety,etc.

List of Schools covered under NSSP, total no. of teachers, students

Sl.No.	Name of School	Name of Block	No.of participating Teachers/non-teaching staff	No.of participating students	DM Kit distributed (battery operated siren)	Whether Rs.14,250/- received for non-structural mitigation
1	Algarah High School	Kalimpong II	05	45	Yes	Yes
2	Algarah Pry.School	Kalimpong II	02	20	Yes	Yes
3	Ambiok High School	Gorubathan	03	20	Yes	Yes
4	Bagrakote High School	Kalimpong I	04	86	Yes	Yes
5	Barbot Jr.High School	Kalimpong I	03	20	Yes	Yes
6	Chandramaya High School	Kalimpong I	03	20	Yes	Yes
7	Chisang High School	Gorubathan	03	20	Yes	Yes
8	Dalapchand High School	Kalimpong I	03	20	Yes	Yes
9	Gairibas High School	Gorubathan	03	20	Yes	Yes
10	Ganesh High School	Kalimpong I	07	37	Yes	Yes
11	Gangotri High School	Kalimpong I	04	220	Yes	Yes
12	Gitdabling	Kalimpong II	03	20	Yes	Yes



13	Gorubathan Public HS	Gorubathan	03	20	Yes	Yes
14	Indo Tibetan High School	Kalimpong I	03	20	Yes	Yes
15	Jaldhaka High School	Gorubathan	03	20	Yes	Yes
16	Jublee High School	Kalimpong I	03	20	Yes	Yes
17	Jublee Pry.School	Kalimpong I	05	32	Yes	Yes
18	Judhabir High School	Gorubathan	03	20	Yes	Yes
19	Kagay High School	Kalimpong II	13	250	Yes	Yes
20	Kalimpong Girls High School	Kalimpong I	03	20	Yes	Yes
21	Kumai High School	Gorubathan	03	20	Yes	Yes
22	Kumai Pry School	Gorubathan	03	20	Yes	Yes
23	Kumudini Homes	Kalimpong I	03	20	Yes	Yes
24	Lava High School	Kalimpong II	03	20	Yes	Yes
25	Lingsey Jr.High School	Kalimpong II	03	20	Yes	Yes
26	Lolay Sampu High School	Kalimpong II	03	20	Yes	Yes
27	Mary Scot Home for the Blind	Kpg Municipality	03	20	Yes	Yes
28	Monson High School	Kalimpong II	03	20	Yes	Yes
29	Pagang Gumpa High School	Kalimpong II	03	20	Yes	Yes
30	Pokhriabong High School	Gorubathan	03	20	Yes	Yes
31	Pranami Balika Vidhya Mandir	Kalimpong I	03	20	Yes	Yes
32	Rambi High school	Kalimpong I	03	173	Yes	Yes
33	Ramlal Dahal High School	Kalimpong I	03	20	Yes	Yes
34	Rongo High School	Gorubathan	03	20	Yes	Yes
35	S.U.M.I	Kalimpong I	05	250	Yes	Yes
36	Samthar High School	Kalimpong I	03	20	Yes	Yes
37	Sanatan Vidik Pry.School	Gorubathan	03	20	Yes	Yes

38	St. George's High School	Kalimpong II	03	20	Yes	Yes
39	St. Philomena Girls High School	Kalimpong I	03	20	Yes	Yes
40	St.Philomina Pry.School	Kalimpong I	03	20	Yes	Yes
41	St.Xaviers School	Kalimpong II	03	20	Yes	Yes
42	Suruk Mandodari High School	Kalimpong I	03	20	Yes	Yes
43	Teesta Bridge High School	Kalimpong I	06	100	Yes	Yes
44	U/Dalapchand Pry.School	Kalimpong II	03	20	Yes	Yes
45	Shankar High School	Kalimpong I	03	20	Yes	Yes
46	Central School for Tibetan	Kalimpong I	03	20	Yes	Yes
47	Saptashree Gyanpeeth School	Kalimpong I	03	20	Yes	Yes
48	Grace English School	Kalimpong II	03	20	Yes	Yes
49	Singtam Tribal Primary School	Kalimpong II	03	20	Yes	Yes
50	Springdale Academy	Kalimpong I	03	20	Yes	Yes



# **Chapter 18**

## **Crowd Management Plan**

## Chapter 18 – Crowd Management Plan

According to the WHO a mass gathering of people is defined as ‘more than a specified number of persons at a specific location for a specific purpose for a defined period of time’. In India there are many instances of crowd disasters in the form of stampede leading to loss of life or limb. Large crowd gathering events if not properly managed can easily get out of hand and lead to stampede, pollution, environmental degradation, severe traffic delay, public nuisance and even riots. Therefore, it is imperative to have a crowd management plan in such scenarios.

However, Kalimpong District being a small district has no such big events. Events of considerable crowd gatherings are given below :

Large crowd events	Locations	Estimated crowd strength as per past year record	Organizing body	Resources deployment by district administration in manpower/equipment/vehicle,etc.
Buddha Purnima	Whole Town area under Kalimpong Municipality	Approx. 3000 nos. (record unavailable)	Buddhist Associations	10 nos. of CD Volunteers as QRT, 01 no. Rescue Van with equipments
Independence Day Celebration	Mela Ground & Town Hall, Kalimpong	Record unavailable but 10,000 approx.	Independence Day Celebration Committee, Kalimpong.	10 nos. of CD Volunteers as QRT, 06 nos. on Standby at the DEOC, 01 no. Rescue Van with equipments (crowd management is done by the volunteers of the organising committee and police administration)
Phulpati Shova yatra	Kalimpong Town under Kalimpong Municipality	Record unavailable 3000 nos. approx. figure	Gorkha Sanskriti Sanrakshan Samity	10 nos. of CD Volunteers as QRT, 01 no. Rescue Van with equipments
Durga Puja immersion	Kalimpong town and Teesta bazar	Record unavailable. 2000 nos. approx.figure	Local Clubs from Kalimpong	10 nos. of CD Volunteers as QRT, 01 no. Rescue Van with equipments

# Annexures

## Annexure I

### ***Vulnerable areas including D.M.Vulnerability Format***

#### **1. Vulnerable areas under Kalimpong Municipality (Landslide & earthquake)**

<b>Sl.No.</b>	<b>Name of vulnerable area</b>	<b>Name of temporary rescue shelter</b>	<b>Remark</b>
1	Ward No. VII- 10 <sup>th</sup> Mile to 11 <sup>th</sup> Mile	Village Community Hall	
2.	Ward No. VIII – 10 <sup>th</sup> Mile to Prannami School	Village Community Hall	
3.	Ward No. XII – Kazi Compound near Bagdhara Bordering Bong Busty- Dungra Khasmahal	Municipal Jr. Basic School	
4.	Ward No. XII- Near S.S.B. Office- Below Children Homes (Faith Home)	Municipal Jr. Basic School	
5.	Ward No. XV- Upper Bong Busty	State Grainage Building / East Main Road Pry. School	
6.	Ward No. XVI	Village Community Hall	
7.	Ward No. XVII-Upper Chibbo near GREF and M.E.S. Office	Development Primary School	
8.	Ward No. XIX – Chhibbo Church Area	Development Primary School	
9.	Ward No. XVIII- Chandralok to Warning Golai	Village Community Hall	
10	Ward No. XXI – Chandralok to Dumchipakha	Govt. High School/Dumshi Pakha Community Hall	
11.	Ward No. XXIII – Dhobi Dhara to Warning Golai	Junior Basic School	
12		<b>Atithi Griha, Kpg Municipality</b>	<b>Accommodation for Rescue forces</b>

## 2. Vulnerable areas under Kalimpong I Development Block

Sl.No.	Name of vulnerable area (GP-village)	Name of temporary rescue shelter	Remark
1	Pabringtar –Khopigaon	Temporary Shed	
2	Pabringtar - Lungrep	Lungrep Primary School	
3	Pabringtar- Chuikhim	Chuikhim Mine Pr. School	
4	Teesta -D.I.Fund	Community Hall	
5	Teesta – Kirney	Temporary Shed	
6	Teesta-Manpari Busty	Community Hall	
7	Bhalukhop– Chamragodam	Champamaya Jr. Basic School	
8	Bhalukhop - Dantey	Temporary Shed	
9	Bhalukhop-MahakalDara, Soureni	Basantamaya Jr. basic School	
10	Bhalukhop –Newargaon	Chhakkimaya Pr. School	
11	Sindepog -Gairigaon	Temporary Shed	
12	Samthar -Lower Dong	Lower Dong Pr. School	
13	Samthar -ChotaSuruk	ChotaSuruk Pr. School	
14	Samthar -Bara Suruk	Old R.C. Mission School	
15	Samthar -KabiGaon	Kabi Pr. School	
16	Samalbong–Yokbong	Upper Samalbong Jr. Basic School	
17	Samalbong -Lower Pabung	Loleygaon Pr. School/Nepali Dara	
18	Samalbong-Line Dara	SevaSangh Rural Library	
19	Samalbong -Syaprong Busty	Temporary Shed	
20	Samalbong-CapchakhePakha	Bhaktimaya Pr. School	
21	Nimbong -Sareksa	Reon Pr. School	
22	Nimbong –Centregaon	Nimbong Pr. School	
23	Nimbong -Lower Gheshok	Lower Gheshok SSK centre	
24	Nimbong-ChettriJhora	Nimbong Pr. School	
25	Nimbong -Paila Line	Paila Line I.E.C. Mission School	
26	Lower Echhey- TamangGaon	Krishnakali School	
27	Lower Echhey - Kami Gaon	R.K.Mossion Pr. School	
28	Kalimpong - 8th mile	Saraswati Pr. School	
29		<b>S.U.M.I Gym Hall</b>	<b>Accommodation for Rescue forces</b>

### 3. Vulnerable areas under Kalimpong II Development Block

Sl.No.	Name of vulnerable area (GP-village)	Name of temporary rescue shelter	Remark
1	Lingsay - DabaipaniChurneyBotay	1.Dabaipani Pry. School	
2	Lingsay -TagathangKhopi	2.Khopi SSK	
3	Lingsay - Jhosing	3.ICDS Centre Jhosing	
4	Lingsekha - Lungchu	1. Dagyong Pry. School	
5	Lingsekha - Lower Changay	2. Tribal Pry. School	
6	Lingsekha - Lower Chuba ,	3.M.S.K. Lingseykha	
7	Kagay - Lower Rabek	1.Ladam Pry. School	
8	Kagay - Lower Gyendong	Community Hall,Gyendong	
9	Kagay - Maria (DhodiKhola)	Gerock Pry. School	
10	Pedong - Jogibhirarea,LowerDalep	1.Dalep Jr. Basic School	
11	Pedong - KatareyArea,LowerDalep	2.SSK Katarey	
12	Pedong - Krishna Mandir area at lower dalep	2.SSK Katarey	
13	Kashyone - Dhobi Khola, Dhobi Tolli	1.Kashyem Jr. Basic School	
14	Kashyone - GhatteyJhora, Upper Kashyem	2. Community Hall, Kashyong	
15	Sakyong - Upper Menchu,LepchaGaon	Graphdoji SSK	
16	Sakyong - Lower Menchu Sadhu Gaon	Community Hall.LowerMenchu	
17	Sakyong - Lower parts of Mulsakyong I & II	Najong Primary School,Pustakalay	
18	Santook - Lama ward sansad no VII	Community Hall &Algarah High School	
19	Santook - JhilkeyDharaSansad no. VIII	Community Hall &Algarah High School	



20	Paiyong - Lower GairiGaon&DungamaliGaon	1.SSK DungmaliGaon	
21	Paiyong - BidyangLepchaGaon	2.Bidyang Primary School	
22	Paiyong - BidyangShorungGaon	3. South Bidyang SSK	
23	Dalapchand - Lower Bidyang(Sansad III)	1. .Kapthang SSK Centre	
24	Dalapchand - Lower Dalapchand (Sansad II)	2. Lower Dalapchand Pry. School	
25	Sangsay - Lower Burmaik	1. Lower Burmaik Pry. School	
26	Sangsay - NaragSangseer GCP	2.Division Bunglow GCP	
27	Sangsay - Upper Munsidhura	3.Sangseer GCP	
28	Sangsay - Lower Bimbong	4.SangsayKhasmahal Pry. School	
29	Sangsay - Lower Tumlabong	5.Tumlabong Club Ghar	
30	Sangsay - Lower Kharka	6.Kharka Sai School	
31	Sangsay - KharkaMalibasey	7.Kharka GraminPustakalay	
32	Sangsay - KharkaSaureni	8.Kharka GraminPustakalay	
33	Sangsay - Lower Khamdong	9.Praman Singh Pry. School	
34	Sangsay - Middle Pethong	10.Chumi Pry. School	
35	Lolay - Moolpala	1. Mool Pala Pry. School	
36	Gitdabling - Beong	1. Gitdabling G.P. Office	
37	Lava-Gitbeong - MandirGaon,LowerNokdara	1. Nokdara Primary School	
38	Lava-Gitbeong - Lower Passabong	2. B.B. Pry. School	
39	Lava-Gitbeong - GitKolbong	3.GitKolbong Pry. School	
40		<b>Algarah Community Hall</b>	<b>Accommodation for Rescue forces</b>

#### 4. Vulnerable areas under Gorubathan Development Block

Sl.No.	Name of vulnerable area (GP-village)	Name of temporary rescue shelter	Remark
1	Tode-Tangta - Tangta	Tangta Pry. School-0.5 Km	
2	Tode-Tangta – Keram	Keram Pry. School - 0.3 Km	
3	Tode-Tangta – Chisang	Chisang Pry. School - 0.2 Km	
4	Tode-Tangta – U/Suruk	Suruk Pry. School - 0.5 Km	
5	Tode-Tangta – L/Suruk	Bindu Pry. School - 0.3 Km	
6	Paten-Godak - RateyPani	Jaladhaka H.S - 1.5 Km	
7	Paten-Godak - L/Tungsung	Tungsung Pry. School	
8	Paten-Godak - Compound F.V.	Parentar Pry. School - 3 Km	
9	Paten-Godak - Dhauley F.V	Parentar Pry. School - 3 Km	
10	Rongo - 44 Block - ThakuriGolai	Dalgaon Community Hall - 3 Km	
11	Rongo - Hawadara (Linegaon)	Rongo H.S - 2Km	
12	Rongo - Minigaon-Jholung Bazar	Community Hall Jholung - 1 Km	
13	Rongo - BhasmayGaon	Dhap Pry. School - 2 Km	
14	Kumai - GudurayGaon	U/Kumai Pry. School	
15	Kumai - Guard Line/TamangGaon	Guard Line Club Ghar - 0.2 Km	
16	Kumai - 8 no. & 12 no. Village	G.P. Office - 0.6 Km	
17	Kumai - 1 no. Village	1 No. Village SSK	
18	Samsing - Bhalukhop	Bhalokhop	
19	Samsing - L/ Tinkataray	Tinkataray Pry. School	
20	Samsing - ChiplayDara	Chiplay SSK	
21	Ahalay - DudhayKhola, L/Fagu	L/Fagu Pry. School- 500m	

22	Pokhrebing -Manzing-Lama Goan	G.P. Office- 1 Km	
23	Pokhrebing - L/Manzing-Rambhi	L/Manzing Pry School-	
24	Pokhrebing - MangarGoan-Afatay	Lungsel Pry school-2Km	
25	Pokhrebing - Doring L/Lungsel	Lungsel Pry School-0.5 Km	
26	Pokhrebing - Malaytar	Pubung Pry School- 2Km	
27	Pokhrebing - Lower Pubung	Pubung Pry School	
28	Nim - Kolbong	G.P. Office- 0.5 Km	
29	Nim - Nim Busty GairiGoan	Nim M.S.K.- 0.3 Km	
30	Nim - Lower Suntalay	Pry School-0.5 Km	
31	Gbn II - Kali Khola	Pankhasari Pry School-2Km	
32	Gbn II - Badey-Pankhasari	Pankhasari Pry School-2Km	
33	Gbn II - Maipatey	Sherpa Goan Pry School-2.5 Km	
34	Dalim - LepchaGari Tar Gaon	GorubathanJr Basic School-1.5 Km	
35	RaiGoan	SSK RaiGaon- 0.5Km	
36	Dalim - DalimKhola Tar	Dalim Pry School-0.6 Km	
37	Dalim - Simsaray	SSK Simsaray-0.5 Km	
38	Dalim - TamangGoan	GorubathanJr Basic School-1 Km	
39	Dalim - GairiGoan	GairiGoan Pry School-0.5 Km	
40	Gbn I - Sombaray Bazar West	Community Hall, Sombaray- 0.4 km	
41	Gbn I - Malbusty West	Community Hall, Sombaray- 0.4 km	
42		<b>TRYSEM Hall</b>	<b>Accommodation for Rescue forces</b>

#### 5. List of make-shift Helipads under Kalimpong I Block

SL.NO	Name of Gram Panchayat	Location of Longitude and Latitude of Gram Panchayat	Name of Halipads for relief purpose
1.	<b>Bhalukhop</b>	-N27°-4'-36.9"-E88°-28'-99"	Dhanmaya Play Ground, Dr. Grahams Home's School Ground
2.	<b>Bong</b>	-N27°-3'-00"-E88°-28'-36.3"	Amaley Ground
3.	<b>Dr. Graham's Homes</b>	-N27°-4'-58"-E88°-30'-4"	Dr. Grahams Home's School Ground
4.	<b>Dungra</b>	-N27°-4'-29.7"-E88°-29'-10.8"	Seed Farm Ground(Ramitey)
5.	<b>Kaffer-Kankebong</b>	-N27°-1'-29.7"-E88°-33'-18.9"	Kaffer Public play Ground
6.	<b>Kalimpong</b>	-N27°-4'-6.7"-E88°-27'-22.6"	Poshyor Ground, Chhibo Ground
7.	<b>Lower Echhay</b>	-N27°-4'-30.5"-E88°-31'-32.6"	Shivalaya Ground, Krishnakali Pr. School Playground
8.	<b>Nimbong</b>	-N26°-58'-19.3"- E88.34'-14.6"	DalapchandGorkhaKhelMaidan, Dobhan Play Ground, Geshok Play Ground, Centre Pr. School Playground
9.	<b>Pabringtar</b>	-N26°56.53"-E88°-32'-55.5"	Sanyasidara, Barbot Playground, Ratey Playground
10.	<b>Pudung</b>	-N27°-3'-34.4"-E88.30'-52.2"	Gumba Ground, Chandramaya High School Ground
11.	<b>Samalbong</b>	-N27°-00'-26.2"-E88°-30'-54.8"	Sevasangh Library Ground, KangyolDara, Bhaktimaya Pr. School, Loleygaon Pr. School
12.	<b>Samthar</b>	-N26°58'45.8"-E88°-30'-2.6"	Samthar Public Ground, Suruk Public Ground
13.	<b>Seokbir</b>	-N27°-2'-1.6"-E88°-31'-20.9"	S.K.Y.Ground , Primtarn School, Centre Ground
14.	<b>Sindebong</b>	-N27°-4'-24.7"-E88°-30'-5.0"	GumbaDara Playground
15.	<b>Tashiding</b>	-N27°-3'-46.1"-E88°-26'-53.1"	MLA Ground
16.	<b>Teesta</b>	-N27°-3'-57.8"-E88°-25'-30.6"	Rambi Playground, Teesta Play Ground, Kangey Playground
17.	<b>Upper Echhay</b>	-N27°-5'-9"-E88°-30'-54.5"	Dr. Grahams Home's School Ground
18.	<b>Yangmakum</b>	-N26°-57'-8.1"-E88°-29'-43.5"	Panbu Ground

#### 6. List of make-shift Helipads under Kalimpong II Block

Sl.No.	Helipad	Co-ordinates
1	Aritar, Rhenock	N 27° 11' 05.9" E 088° 40' 25.5"
2	Bangla Dara Public Ground , Kagay	N 27° 09' 07.8" E 088° 38' 50.6"

3	Topkhana, Pedong	N 27° 09' 25.7" E 088° 36' 50.3"
4	Algarah Play Ground	N 27° 11' 05.9" E 088° 40' 25.5"

#### 7. List of make-shift Helipads under Gorubathan Block

Sl.No	Name of the Helipad	Co-ordinates	Remarks
1	Judhabir High School Ground, Malbusty, Gorubathan I G.P	088°41'500" E 26°57'15.22" N 1055 ft	
2	U/Manzing Pry School Ground, Upper Manzing, Pokhrebong G.P.	88°37'83.1" E 26°59'38.4" N	
3	Samabeong Pry School, Sherpa Goan, Nim G.P.	88°39'03.7" E 27°03'15.9" N	
4	Jaldhaka Football Ground, Jaldhaka, Paten Godak G.P.	088°52'27.90" E 27°02'26.27" N elev 1320 ft	
5	Tode Bazar Public Ground,	88°49'30.4" E 27°06'33.9" N	
6	Kopish Pry School Ground, Kumai G.P.	88°50'50.8" E 26°49'03.4" N	
7	Samsing Jr Basic School Ground, Samsing G.P	88°47'43.1" E 27°00'41.7" N	

#### Disaster Management Vulnerability

1	2	3	4	5	6	7	8	9	10
Name of Block/ Municipality	If prone to flood, mention number of people in vulnerable zone	If vulnerable to cyclone, mention number of people likely to be affected in case of cyclone	If vulnerable to Tsunami, mention number of people likely to be affected in case of tsunami	If vulnerable to landslide, mention number of people likely to be affected	If vulnerable to chemical/industrial disaster, mention number of people likely to be affected	People likely to be affected by other disaster, if any (mention disaster & number of people) <i>(in case of Flash flood of the scale of 1968)</i>	Total number of people given in columns 2 to 7	Earthquake vulnerability zone	Priority ranking as per vulnerability to multiple disasters
Kalimpong Municipality	NA	NA	NA	2520	NA	NA	2520	Zone IV	4
Kalimpong I	NA	NA	NA	9261	NA	500 nos.	9761	Zone IV	1
Kalimpong II	NA	NA	NA	6669	NA	-	6669	Zone IV	3
Gorubathan	NA	NA	NA	6600	NA	480 nos	7080	Zone IV	2

Flood Shelter/ Cyclone Shelter	Year of Construction	How many persons can be accommodated?	Number & Name of villages tagged with this shelter	Total tagged population	Difference between tagged population & capacity of shelter, if any	Remarks
Nil	NA	NA	NA	NA	NA	NA

## Annexure II

### **Block Disaster Management Committees**

#### **BDMC Kalimpong I**

Sl No.	Name of Officer	Designation	Phone No.	Office Address
01.	Sri. DipanjanNaskar, WBCS(Exe)	B.D.O, Kalimpong-I	255640 (O) 7797378654	B.D.O's office, Kalimpong-I
02.	Sri. Niranjan Roy Sri. KhudiramRava	Jt. B.D.O., Kalimpong-I	7602494212 9735939695	B.D.O's office, Kalimpong-I
02.	Sri. Eugene Moktan	B.L. & L.R.O, Kpg-I	9775452949	B.L.&L.R.O.Office , Kpg
03.	Sri. M.K.Tamang	O/C Fire Service	255450 9733473987	Fire Station 9 <sup>th</sup> Mile
04.		I/C Police. Kalimpong Thana	255268, 255100	Kalimpong Police Station.
05.	Sri. Kamal Chettri ( RM -In- charge)	Range Manager, Kalimpong Range	255780, 255783	Forest Office, Kalimpong
06.	Sri Abdul RakibMollah	Controller Food and Supplies, Kalimpong.	255285 (O)	Food and Supplies Kalimpong.
07.	Dr.DevenPradhan	B.L.D.O, KPG-I	9641005069	Seed Farm Dungra
09.	Sri. JesonLepcha	Asst. Director, of Agriculture, Kalimpong-I	255529 (O)	A.D.A.'s Office, 9 <sup>th</sup> mile, Kalimpong
10.	Dr. C.K. Chettri	BMOH, Rambi	262221 9434212410	BMOH, Rambi.
11.	Sri. Sushanta Mukherjee	A.E , PWD	255250	PWD Kalimpong
12.	Sri. Sailendra Lama Sri. Sudhangshu Das	J.T.O., Kpg, BSNL	255202 (O), 9475359545	BSNL Telephone Exchange , Kalimpong
13.		S.D.I & C.O, Kalimpong	255409 (O),	Town Hall, Kalimpong.
14	Sri. RajenPradhan	Superintendent, Water Works	9647358757	Water Works Departments.
15.	Smt. DechenNima	C.D.P.O, Kalimpong-I	255480 (O)	CDPO, Office, 10 <sup>th</sup> Mile, KPG.
16.	REF	Commanding Officer,	255503	Durpin, Kalimpong
17.	Sri. Saran Sarki	S//Teesta Check Post	268270,	Teesta, Kalimpong
18.	Sri. Nirmal Roy	O/C Rambi Check Post	268262/97330080 16	Rambi
19.	Sri. TanayChakraborty	A.E, WBSEB	255855 (O) 2555420	WBSEB, Kalimpong
20.	Smt. KaberiSubba, BDMO	Block Disaster Mngmt. Officer, Kalimpong-I	255640 (O) 9733031588	Kalimpong-I Block.

**BDMC Kalimpong II**

<b>Sl No.</b>	<b>Name</b>	<b>Designation</b>	<b>Address</b>	<b>Telephone/ Mobile No.</b>
1.	Smt. SubarnaMazumdar	BDO	BDO Office Kalimpong-II	7797378655
2.	ShriNaresrajRai	Jt. BDO	BDO Office Kalimpong-II	9614704935
3.	Smt. NarpundeeLepcha	Jt. BDO	BDO Office Kalimpong-II	9932926217
4.	ShriTitas Roy,	BMOH	BPHC Pedong,P.O.Pedong	9874738842
5.	PokhrajAcharaya	BLDO	BLDO,Kalimpong-II	9775964597
6.	GopalTamang	ADA	ADA,Kalimpong-II	9832654214
7.	Smt. MinukaShewa	Addl. Inspector	Kalimpong	9832082722
8.	ShriTopdenBhutia	BLLRO	BLLRO,Kalimpong-II	8101181169
9.	Rinchen L Yolmo	CDPO	CDPO,Kalimpong-II	8906445874
10	ShriNavrajAcharya	P.A.A.O.	BDO Office Kalimpong-II	7872085660
11.	ShriKishor Chandra Rai	C.I.	BDO Office Kalimpong-II	6294032895
7.	ShriSonamBhutia	S.A.E.	BDO Office Kalimpong-II	9775470161
8.	Smt. Veronica Gurung	F.E.O.	BDO Office Kalimpong-II	9733325601
9.	Smt. PetroneelaLepcha	A.P.O.	BDO Office Kalimpong-II	9002847772
10	ShriMingma Sherpa	A.P.O.	BDO Office Kalimpong-II	8372089777
11.	Shri Lhawang Dukpa	BDMO	BDO Office Kalimpong-II	9733086584
12.	Shri Pranay Gurung	IBCW	BDO Office Kalimpong-II	8170088667
13.	Shri Kishan Roka	Inspector F & S	BDO Office Kalimpong-II	9800063788

## Annexure III

### 1. Incident Response Teams

INCIDENT RESPONSE TEAM: KALIMPONG-I DEVELOPMENT BLOCK					
Sl. No.	NAME OF THE ROLE	NAME OF THE OFFICIALS WITH DESIGNATION	ADDRESS	TELEPHONE NO	MOBILE NO.
1	RESPONSIBLE OFFICER & INCIDENT COMMANDER	Sri. DeepanjanNaskar, BDO	BDO office Kalimpong-I P.O- Kalimpong		7797378654
2	DEPUTY INCIDENT COMMANDER	Sri. Niranjan Roy, Jt.BDO	Do		7602494212
3	INFORMATION OFFICER	Sri. KhudiramRava, Jt.BDO	Do		9735939695
4	LIAISON OFFICER	Smt. KaberiSubba, BDMO	Do		8327268064
5	SAFETY OFFICER	Dr. C.K. Chettri, BMOH	BPHC, Rambhi		9641259770
		Dr. Tapas Kumar Roy, MO	Do		9836844787
		Dr.TsheringNamgyalWangd i	Do		9733432103
		Dr. Sujit Kr. Mishra, MOIC	Samthar,BPHC		83401257340
		Dr. PalashSikdar, MOIC	Teesta,BPHC		8918630658
6	PLANING SECTION CHIEF: Sri. KhudiramRavaJt, BDO				
7	SITUATION UNIT	Sri. Vishal Yourangba, APO	BDO office Kalimpong-I P.O- Kalimpong		7076554715
		Sushree. ShakilaTamang, WDO	Do		9832047566
8	RESOURCE UNIT	Smt. KaberiSubba, BDMO	Do		9733031588
		Smt. SukmitLepcha, ADEO Sri. Den Lepcha, ADEO	Do		8972307196 9002773345
10	OPERATION SECTION CHIEF: Smt. KaberiSubba BDMO				
11	SEARCH & RESCUE BRANCH	Sri. Uttam Kumar Khawas , O/C Fire Services	Fire Station Kalimpong		8768869296
		Sri. Vishal Yourangba, APO	BDO office Kalimpong-I P.O- Kalimpong		7076554715
		Sri. Milan Pradhan, UD ( P/S)	Do		9733093798
12	LAW & ORDER	Sri. Narayan Chandra Sarkar, O/C, Kalimpong Sri. Saran Sarki O/C Teesta Sri. Dawa Sherpa, O/C Rambhi	P.S.KalimpongP.S. TeestaP.S.Rambhi P.S.Malli		79081035187 076763536 9531739655 9733123332



		Sri. Prajwal Raj Joshi Pradhan, O/C Malli			
13	TRANSPORT BRANCH	Sri. Milan Shilal AHC	BDO office Kalimpong-I P.O- Kalimpong		9733023270
14	ARD	Dr. KesangBomzon, BLDO Kpg-1	Seed Farm, Kalimpong		9832332715
15	HEALTH	Dr. C.K. Chettri, BMOH	BPHC, Rambhi		9641259770
16	AGRICULTURE	Sri. JesonLepcha, ADA	A.D.A's office 9th Mile Kpg	03552- 255529	9800364880
17	ROADS PWD CIVIL	Sri. AbhijitSarkar, AE Kalimpong	PWD Kalimpong	03552- 255250	6294766081
18	ELECTRIC:WBSDEL	Sushri. Sudhanshu Das, AE	Power House 10th Mile Kpg	03552- 255855	
19	WATER SUPPLY	Sri. RajanPradhan, Superintendent	Water Works East Main Road Kalimpong		9647358757
20	EDUCATION	Smt. OngkilaBhutia, SI Primary Smt. PratigyaGurung, SI Secondary	SI Office, Kalimpong		9932671683 9832004787
21	TELEPHONE	Sri. Sailendra Lama, JTO Sri. Sudhangshu Das, JTO	Thana Dara, Kalimpong	03552- 255202	
22	FISHERY	Smt. MeghaLhamuBhutia, FEO	BDO office Kalimpong-I P.O- Kalimpong		9609990937
23	FINANCE AND ADMINISTRATION SECTION CHIEF: Sri Niranjan Roy, Jt BDO				
24	FINANCE BRANCH	Sri. Milan Pradhan, AHC	BDO office Kalimpong-I P.O- Kalimpong		9733093798
25	TIME UNIT	Sri , RatanSinha, SAE	BDO office Kalimpong-I P.O- Kalimpong		9733106268
26	COMPENSATION UNIT	Sri. Niranjan Roy, Jt.BDO	Bdo office Kalimpong-I P.O- Kalimpong		7602494212
		Smt. KaberiSubba, BDMO			9733031588
		Sri. Vishal Yourangba, APO			7076554715
		Smt. MeghaLhamuBhutia, FEO			9609990937
		Sri. PhurbaTamang, CI			8670056748
		Sri. CT Bhutia, IDO			9800616079
		Sri. Milan Shilal, AHC			9733023270
		Sri. JesonLepcha, ADA	A.D.A's office 9th	03552-	

			Mile Kalimpong	255529	
27	PROCUREMENT UNIT	Sri. RatanSinha, SAE Sri. Milan Shilal, UD Sushree. SuchitaThapa, Cashier	BDO office Kalimpong-I P.O- Kalimpong		9733106268 9733023270 9733091546
28	COST UNIT				
29	LOGISTIC SECTION CHIEF: PhurbaTamang, CI				
30	SERVICE BRANCH		SUPPORT BRANCH		
31	COMMUNICATION UNIT	Smt. KaberiSubba, BDMO, 8327268074	RESOURCE PROVISIONING UNIT	Sri. PhurbaTamang, CI, 8670056748	
32	MEDICAL UNIT	Dr. C.K. Chettri, BMOH, 9641259770	FACILITIES UNIT	Smt. KaberiSubba, BDMO, 8327268074	
33	FOOD UNIT	Sri. DipenkarSarkar, FI 9832315931/9563445129	GROUND SUPPORT UNIT	Sri. SudarshanTamang, TA, 9749418544                      Sri. DipenNewar, TA, 9851837390 Sushree. PalmuTamang, STP,9593792321Sushree. RatimaRai, STP , 8972236823 Smt. Unity Bhujel, STP, 8906401886	

2.

INCIDENT RESPONSE TEAM: KALIMPONG-II DEVELOPMENT BLOCK				
Sl. No.	NAME OF THE ROLE	NAME OF THE OFFICIALS WITH DESIGNATION	ADDRESS	MOBILE NO.
1	RESPONSIBLE OFFICER & INCIDENT COMMANDER	Smt. SubarnaMazumdar,BDO	BDO Office,Algarah,P.O. Algarah	7797378655
2	DEPUTY INCIDENT COMMANDER	ShriNareshrajRai, Joint BDO	- Do -	9614704935
3	INFORMATION OFFICER	Smt. NarpundeeLepcha,Joint BDO	-Do -	9932926217
4	LIAISON OFFICER	ShriLhawangDukpa,BDMO	-Do -	9733086584
5	SAFETY OFFICER	ShriTitasRoy,BMOH	BPHC Pedong,P.O.Pedong	9874738842
		ShriUttam Kr. Khawas,O.C,Fire Dept.	Kalimpong	8768869296
		Dr. N.J. Pradhan	MO Algarah	9434196783
		Dr.Joydeb Pal	MO Pedong	7602208860
		Dr.Subhendu Das	MO Gitdabling	9932006266
		Sri ThupdenBhutia O/C,Police Post, Algarah	Algarah Bazaar	8509502833
6	PLANING SECTION CHIEF: SHRI NARESHRAJ RAI, Jt.BDO			
7	SITUATION UNIT	ShriMingmaSherpa,APO	BDO Office,	9832540872
		ShriNawrajAcharya,PAAO	13 <sup>th</sup> Mile, Kalimpong	7872085660
8	RESOURCE UNIT	ShriLhawangDukpa,BDMO	BDO Office,	9733086584
		Sri Diwash Kr. Mothay,UDA	Kalimpong	9832447638
9	DEMOBILISATION UNIT	Sri ThupdenBhutia O/C,Police Post, Algarah	Algarah Bazaar	8509502833
		Sri Manish Tamang,T.A. MGNREGS	Algarah Bazaar	993390644
10	OPERATION SECTION CHIEF: SHRI LHAWANG DUKPA, BDMO			
11	SEARCH & RESCUE BRANCH	Sri ThupdenBhutia O/C,Police Post, Algarah	Algarah Bazaar	8509502833
		Sri KundanTamang	BDO Office,	9635642712
		Sri Sonam Lama	BDO Office,	9932907460
		Sri DipenRai	BDO Office,	9932907460
12	LAW & ORDER	Sri SauravGhosh,O/C Police Post, Pedong	Pedong	8945889519
13	TRANSPORT BRANCH	Sri RajuRai,AHC,NREGA	Pedong	9733062005
14	ARD	Dr.PokhrajAcharaya,BLDO	Kalimpong	9775964597
15	HEALTH	ShriTitasRoy,BMOH	BPHC Pedong,P.O.Pedong	9874738842
16	AGRICULTURE	Dr.GopalTamang,ADA	Algarah,P.O.Algarah	9832654214

17	ROADS PWD CIVIL	Sri SusantaMukherjee,A.E.	Kalimpong	9434636027
18	ELECTRIC:WBSEDCL	Prabal Lama A.E.	Kalimpong	9434213343
19	WATER SUPPLY	Sri C.B. Subba,W.A.	Kalimpong	9832075771
20	EDUCATION	Smt.MinukaShewa. A.I. of School	Kalimpong	9832082722
21	TELEPHONE	Shri Amar Chettri	Algarah	9002791577
22	FISHERY	Smt. Veronica Gurung,FEO	Pedong	9733325601
23	<b>FINANCE AND ADMINISTRATION SECTION CHIEF: SMT.NURPUNDEE LEPCHA,Jt.BDO</b>			
24	FINANCE BRANCH	Smt. SujataSahee,Cashier,	Kalimpong	7797343295
25	TIME UNIT	ShriGaganPokhrel,T.A. MGNREGS,	BDO Office,Algarah,P.O. Algarah	8967300448
26	COMPENSATION UNIT		Kalimpong	
27	PROCUREMENT UNIT	Sri Diwash Kr. Mothay,UDA,	Kalimpong	9832447638
28	COST UNIT	Sri RajuRai,AHC,NREGA	Pedong	9733062005
29	<b>LOGISTIC SECTION CHIEF: SHRI MINGMA SHERPA, APO</b>			
30	<b>SERVICE BRANCH</b>		<b>SUPPORT BRANCH</b>	
31	COMMUNICATION UNIT	ShriLhawang Dukpa,BDMO,9733086584	<b>RESOURCE PROVISIONING UNIT</b>	ShriPranayGurung,I BCW, 8250318499
32	MEDICAL UNIT	ShriTitasRoy,BMOH, 9874738842	<b>FACILITIES UNIT</b>	ShriLhawang Dukpa,BDMO,9733 086584
33	FOOD UNIT	ShriKishan Roka, Inspector,F&S,9800063788	<b>GROUND SUPPORT UNIT</b>	Sri Diwash Kr. Mothay,UDA, 9832447638

3.

INCIDENT RESPONSE TEAM: GORUBATHAN DEVELOPMENT BLOCK				
Sl. No.	NAME OF THE ROLE	NAME OF THE OFFICIALS WITH DESIGNATION	ADDRESS	MOBILE NO.
1	RESPONSIBLE OFFICER & INCIDENT COMMANDER	ShriBiswaranjanChakraborty ,BDO	BDO Office,Gorubathan	7551088808, 9073938407
2	DEPUTY INCIDENT COMMANDER	ShriJadav Roy, Joint BDO	- Do -	7551042508
3	INFORMATION OFFICER	Smt. GracemaLepcha, BDMO- in-Charge	-Do -	9800524762
4	LIAISON OFFICER	Smt. GracemaLepcha, BDMO- in-Charge	-Do -	9800524762
5	SAFETY OFFICER	ShriSubashisManna,BMOH	BPHC Gorubathan	9851944955
		ShriSutanuSen Sharma, BMOH	BPHC Jaldhaka	8145931264
		ShriUttam Kr. Khawas,O.C,Fire Dept.	Kalimpong	8768869296
		Dr.SaikatSaha	BPHC	8001547687
		Dr.Uttam Kumar Das	PHE, Sherpa Gaon	7602720974
		Sri. NirmalRai, O/C Gorubathan	Gorubathan	8116424644
		Sri NS Kujur, O/C Jaldhaka	Jaldhaka	9083270423, 9475820353
6	PLANING SECTION CHIEF: SHRI JADAV ROY, Jt.BDO			
7	SITUATION UNIT	ShriBiswajitBhowmik, PAAO	BDO Office,	8436961636, 8250124953
		Smt. PemaLhamuBhutia, BWO	BDO Office	9073938777, 9434809415
		Sri. NirmalRai, O/C Gorubathan	Gorubathan	8116424644
		Sri NS Kujur, O/C Jaldhaka	Jaldhaka	9083270423, 9475820353
8	RESOURCE UNIT	ShriTusharBagchi, JE	BDO Office,	9434132224
		Sri Ashes Tamang, IBCW	BDO Office	8670223331
		Sri YashrajRasaily, STP	MGNREGS	7384798868
9	DEMOBILISATION UNIT	Sri. NirmalRai, O/C Gorubathan	Gorubathan	8116424644
		Sri NS Kujur, O/C Jaldhaka	Jaldhaka	9083270423, 9475820353
		Sri BikramThapa, TA	MGNREGS	9475082963
		Sri Saran Gahatraj, TA	MGNREGS	7384864356
10	OPERATION SECTION CHIEF: SHRI JADAV ROY, JT BDO			
11	SEARCH & RESCUE BRANCH	Sri. NirmalRai, O/C Gorubathan	Gorubathan	8116424644
		Sri NS Kujur, O/C Jaldhaka	Jaldhaka	9083270423, 9475820353

		Sri BikramThapa, TA	MGNREGS	9475082963
		Sri YashrajRasaily, STP	MGNREGS	7384798868
		Sri PremdanMolomuLepcha	MGNREGS	9749140648
12	LAW & ORDER	Sri. NirmalRai, O/C Gorubathan	Gorubathan	8116424644
		Sri NS Kujur, O/C Jaldhaka	Jaldhaka	9083270423, 9475820353
13	TRANSPORT BRANCH	ShriTusharBagchi, JE	BDO Office,	9434132224
		Sri Ashes Tamang, IBCW	BDO Office	8670223331
		Sri Binod Lama, Driver BAP	MGNREGS	9775832599
14	ARD	Dr.Sunil Kumar Ghosh,BLDO	Gorubathan	9434474505
15	HEALTH	ShriSubashisManna,BMOH	BPHC Gorubathan	9851944955
		ShriSutanuSen Sharma, BMOH	BPHC Jaldhaka	8145931264
16	AGRICULTURE	ShriMukeshTamang,ADA	Gorubathan	9083266478
17	ROADS PWD CIVIL	Sri PrasantaPanja,A.E.	Gorubathan	9434204859
18	ELECTRIC:WBSEDCL	Sri RanadipMajumdar, A.E.	Gorubathan	03562-250282
		Sri Abinash Kumar AE.	Odlabari	7449301320
19	WATER SUPPLY	Sri PrithivirajPradhan, Exe. Engineer	Kalimpong	9933303489
20	EDUCATION	Smt.RejinaLepcha. A.I. of School	Gorubathan	7602037684
		ShriAnand Sharma, SI of School	Gorubathan	9563004427
21	TELEPHONE	ShriSailendra Lama , JTO	Gorubathan	9474493980
22	FISHERY	ShriSaralGurung,FEO	BDO Office	9832159566, 8597436710
23	<b>FINANCE AND ADMINISTRATION SECTION CHIEF: SHRI JADAV ROY, JT BDO</b>			
24	FINANCE BRANCH	<b>ShriBiswajitBhowmik, PAAO</b>	BDO Office,	<b>8436961636, 8250124953</b>
		<b>ShriGunja Singh Baraily, UDC</b>	BDO Office	<b>9933546740</b>
		ShriTusharBagchi, JE	BDO Office,	9434132224
		Sri YashrajRasaily, STP	MGNREGS	7384798868
		Sri. NirmalRai, O/C Gorubathan	Gorubathan	8116424644
25	TIME UNIT	Sri NS Kujur, O/C Jaldhaka	Jaldhaka	9083270423, 9475820353
26	COMPENSATION UNIT	<b>ShriBiswajitBhowmik, PAAO</b>	BDO Office,	<b>8436961636, 8250124953</b>
		ShriMukeshTamang,ADA	Gorubathan	9083266478
		Dr.Sunil Kumar Ghosh,BLDO	Gorubathan	9434474505

		Smt. Gracema Lepcha, BDMO- in- Charge	-Do -	9800524762
		Smt. Pema Lhamu Bhutia, BWO	BDO Office	9073938777, 9434809415
		Shri Saral Gurung, FEO	BDO Office	9832159566, 8597436710
		<b>Shri Deoraj Sharma, Cashier</b>	BDO Office	<b>9734077083</b>
		Shri Tushar Bagchi, JE	BDO Office,	9434132224
		Shri Amir Tamang, AHC	BDO Office	9609564031
		<b>Shri Gunja Singh Baraily, UDC</b>	BDO Office	<b>9933546740</b>
27	PROCUREMENT UNIT	<b>Shri Deoraj Sharma, Cashier</b>	BDO Office	<b>9734077083</b>
		<b>Shri Gunja Singh Baraily, UDC</b>	BDO Office	<b>9933546740</b>
28	COST UNIT	<b>Shri Deoraj Sharma, Cashier</b>	BDO Office	<b>9734077083</b>
29	<b>LOGISTIC SECTION CHIEF: SHRI JADAV ROY, JT BDO</b>			
30	<b>SERVICE BRANCH</b>		<b>SUPPORT BRANCH</b>	
31	COMMUNICATION UNIT	Smt. Gracema Lepcha, BDMO- in-Charge, 9800524762	<b>RESOURCE PROVISIONING UNIT</b>	Shri Tushar Bagchi, JE, 9434132224
		Shri Tushar Bagchi, JE, 9434132224		Shri Ashesh Tamang, IBCW, Shri Yashraj Rasaily, STP
32	MEDICAL UNIT	Shri Subashis Manna, BMOH,  Shri Sutanu Sen Sharma, BMOH	<b>FACILITIES UNIT</b>	Shri Tushar Bagchi, JE, 9434132224 Smt. Anjani Gupta, LEOMEE Shri Nirmal Rana, Sanitary Insp, 9733374947
33	FOOD UNIT	Shri Biswajit Roy, Insp Food & Supply, 9434366863	<b>GROUND SUPPORT UNIT</b>	Smt. Gracema Lepcha, BDMO-in-Charge, 9800524762 Shri Tushar Bagchi, JE, 9434132224

## Annexure IV

### Annexure IV

#### Requisition of Army Aid by Civil Authorities

Ref Number \_\_\_\_\_ Date \_\_\_\_\_

1. From \_\_\_\_\_
2. To \_\_\_\_\_
3. For Info to \_\_\_\_\_
4. Dt and Time Of Origination of Demand \_\_\_\_\_
5. Sit AS at \_\_\_\_\_
6. Type and Extent of Aid reqdFor \_\_\_\_\_
7. Likely Duration and Period of Aid Reqd \_\_\_\_\_
8. Officer in Charge Army aid to contact \_\_\_\_\_
9. Name of Civ LO detailed \_\_\_\_\_
10. Arrangement Made by CivAuth to Guide Army Aid to Place of Operations  
\_\_\_\_\_
11. Special of Operations \_\_\_\_\_
12. Please Ack \_\_\_\_\_

Office Seal

Signature \_\_\_\_\_

Appointment \_\_\_\_\_

- **Requisition from required in duplicate with the seal of the originator's office.**
- **Telephonic / telegraphic / fax request for the Army Aid may be sent simultaneously.**



### **Telephonic Message (Army)**

1. From \_\_\_\_\_
2. To \_\_\_\_\_
3. Type and extent of Aid Required \_\_\_\_\_
4. When and where Required \_\_\_\_\_
5. Representative Civil Administration \_\_\_\_\_
6. Rendezvous for Liaison Office and Army column to Meet representative Civil Administration \_\_\_\_\_
7. Air cover \_\_\_\_\_
8. Special Instruction, if any \_\_\_\_\_
9. Acknowledgement \_\_\_\_\_
10. Notes :-
  - (a) Above format be used while requisitioning Army aid by telephone/telegram.
  - (b) Army auth will intimate approximate time of arrival of the Army Coln at the given rendezvous to the civil auths.

**De – Requisition of Army Aid(Natural Calamities).**

1. Ref No \_\_\_\_\_ Date \_\_\_\_\_
2. From \_\_\_\_\_
3. To \_\_\_\_\_
4. Info to \_\_\_\_\_
5. Army aid requisitioned vide our ref No ..... of .....  
Is hereby de – requisitioned with effect from ..... hours on  
.....

6. Please Ack.

Office Seal

Signature \_\_\_\_\_

Appointment \_\_\_\_\_

Notes :-

One Copy to be handed over to the officer – in – charge Army Aid.

Two copies will be forwarded to the Army Headquarters from whom the aid was requisitioned.

*(For NDRF)*

**REQUISITION FORM**

From:

Date of Report:

To:

- a. Nature of calamity
- b. Date & Time of occurrence
- c. Affected area (number and names of affected districts)
- d. Population affected (Approx.)
- e. Nearest Railhead
- f. Nearest Airport
- g. Relief measures undertaken in brief
- h. Immediate response & relief assistance required .
- i. Forecast of possible future developments including new risks
- j. Any other relevant information.

**Relief Commissioner/DM**

## Annexure V

### **Resource inventory of different Dept. and Privately owned.**

#### **1. Army 27<sup>th</sup> Mountain Division**

Sl. No	Manpower/Vehicle/Equipment	Strength/Numbers
1.	General Duty solders	50 persons
2.	Engineering Support staff	11 persons
3.	Communication Duties	04 persons
4.	Vehicle Technicians	02 persons
5.	Medical staff	03 persons (including one doctor)
6.	Light vehicle	04 nos.
7.	Troops carrying vehicle	03 nos.
8.	Adm& Stores Vehicle	06 nos.
9.	Water Bowzer	01 no.
10.	Ambulance	01 no.
11.	Signal Equipment (Radio set)	04 nos.

#### **2. NDRF B Coy 2<sup>nd</sup>BnMatigara, Siliguri**

Sl. No	Manpower/Vehicle/Equipment	Strength/Numbers
1	1 Coy	3 teams x 30 personnel
2	CBRN	Multi Gas detector, Teletector, Mini Rod external/internal , Portable Alpha Contamination,etc.
3	SAR	Sufficient equipment available.

#### **3. GREF, KALIMPONG**

Sl. No	Manpower/Vehicle/Equipment	Srength/Numbers	Location & Contact Person
1.	Load Carrier	02 nos.	Maj Vishal Dogra OC 87 RCC phone No. 7009977474 <b>(Melli)</b>
2.	JCB	02 nos.	Shri Roshan Kumar, AEE (Civ) phone No.9006088317 <b>(Dalim)</b>
	Wheel Loader	02 nos.	
	T/Tpr	04 nos.	
	Damper /AMW	09 nos.	
3.	JCB	02 nos.	Shri Roshan Kumar, AEE (Civ) phone No.9006088317 <b>(Phaperkheti)</b>
	T/Tpr	11 nos.	
	Damper	09 nos.	
	Load Carrier	04 nos.	
	BD80	01 nos.	
	Excavator	02 nos.	

4	JCB JS 80 T/Tpr Load Carrier Excavator	01 nos. 01 nos. 09 nos. 02 nos. 02 nos.	Capt Manumay Bisht Phone No. 8290421616/8696593480( <b>Lava</b> )
5	T/Tpr Damper JCB	03 nos. 01 nos. 01 nos.	Capt Manumay Bisht Phone No. 8290421616/8696593480( <b>Algarah</b> )

#### 5. Kalimpong Municipality

Sl.No.	Name of resource type	Quantity
1	Communication Facilities	Road Transport only
2	JCV	1 no.
3	Cesspool	1 no.
4	Truck	2 nos.
5	Tipper Truck	1 no.
6	Pick up Truck	4 nos.
7	Gas Tanker	1 no.
8	Sub-Centre	5 nos.
9	Health Personnel (First tier Supervisors)	5 nos.
10	Health Workers (Honorary)	25 nos.
11	Conservancy Personnel (Permanent)	37 nos.
12	Conservancy Personnel (Temporary)	39 nos.

#### 5. WB Fire & Emergency Services, Kalimpong

Sl.No.	Name of resource type	Quantity
1	Station/Officer	2 nos.
2	L/FO	9 nos.
3	F.E.O.D	6 nos.
4	Fire Operator	7 nos.
5	Auxiliary Fire Personnel	6 nos.
6	Towing Van Tata 407 (TV 73)	1 no.
7	Utility Van Bolero camper (UV 72)	1 no.
8	Utility Van Bolero camper (UV 155)	1 no.
9	35 ft aluminium ladder	4 nos.
10	Lowering ling for rescue	4 nos.
11	Canvas Stretcher	2 nos.
12	Stretcher with handle	1 no.
13	Lock Cutter	5 nos.

14	Spade	4 nos.
15	Shovel	4 nos.
16	14 lbs hammer	2 nos.
17	Crowbar	4 nos.
18	Jack with handle heavy duty	1 no.
19	Hand Saw	2 nos.
20	Large Axe	2 nos.
21	Fork	2 nos.
22	Torch light	2
23	Aska Light	1

### Resources (Privately owned)

#### 6. List of the owner of Excavators/JCBs with Contact No. under Kalimpong I

Sl. No.	Name	Contact No.
1	Passang Lama	9775442236
2	AnandLakhotia	9434876786/9775490988
3	Rudenlepcha	9832074915
4	PassangTamang	8016956732

#### 7. List of Privately owned Resources under Kalimpong II

Sl. No.	Name of the Resource	Resource Type	Number	Name of Owner	Address	Contact No.
1	Vehicle	Sawari	1	BholaShivakoti	Samdong	9609071241
2	Vehicle	Sawari	1	HemrajBhujel	Phurun	9547706985
3	Vehicle	Sawari	1	Ganga Bdr. Khawas	Lower Kasyem	9614558734
4	Vehicle	Sawari	1	Sachin Tamang	Lower Kasyem	9614909275
5	Vehicle	Utility	1	LagayTsheringLepcha	Samdong	9609815680
6	Vehicle	Utility	1	Suk Bdr. Tamang	12. no. Dhura	8768110038
7	Vehicle	Utility	1	MahendraKhawas	Upper Kasyem	9635204424
8	Vehicle	Utility	1	Ronald Khawas	Lower Kasyem	9614558565
9	Vehicle	Commander	1	ChudenLepcha	Namchelakha	7076451172
10	Vehicle	Commander	1	BishalRai	SillaryDobitolly	9083005732
11	Vehicle	Sumo	1	BirmaniRai	Phurun	8016751244
12	Vehicle	Sumo	1	SurenRai	Phurun	8597519070
13	Vehicle	Bolero	1	TilakBhujel	Phurun	8145836930
14	Vehicle	Max	1	UpendraMangar	12.no. Dhura	8906617832
15	Camera	Digital Camera	1	Aden Lepcha	Samdong	9002823663
16	Camera	Digital Camera	1	PravinRai	Namchelakha	9635775533
17	Camera	Digital Camera	1	Philip Rai	Phurun	8972403909
18	Camera	Digital Camera	1	Sonam Sherpa	12. no. Dhura	7872754004

19	Camera	Digital Camera	1	ZeniusKhawas	Kashyem GCP	9614909274
20	Vehicle	Utility	1	JagatDahal	Chuba	9002774313
21	Vehicle	Utility	1	B.B. Bhetiwal	Chuba	9832355513
22	Vehicle	Utility	1	HariP.D.Rai	DokyoungKolbong	9932535527
23	Vehicle	Utility	1	TopdenBhutia	Lava	9932992033
24	Vehicle	Truck	1	TopdenBhutia	Lava	9932992033
25	Excavator	JCB	1	TopdenBhutia	Lava	9932992033
26	Generator	Generator	1	TaramanRai	Chuba	7797127808
27	Miking System	Miking System	1	UdaiChhetri	Chuba	7679274411
28	Rope and Light	Rope and Light	1	JagatDahal	Chuba	9002774313
29	First Aid kit	First Aid kit	1	Krishna Pokhrel	Lingsey	
30	Vehicle	Bolero	1	Mahesh Gurung	Gitdabling D.I.F	9933606044
31	Vehicle	Bolero	1	Chandra BdrChettri	Beong	8016367531
32	Vehicle	Bolero	1	SudhaRai	Chyangdong	7602405197
33	Vehicle	Bolero	1	PuranRai	Tugong	9002193816
34	Vehicle	Bolero	1	Ashok Lepcha	Dabling	9932561180
35	Vehicle	Bolero	1	Krishna BdrRai	Pakang	7585951862
36	Vehicle	Pickup	1	Udai Raj Chettri	Tugong	9064841560
37	Vehicle	Pickup	1	MandipGurung	Dabling	7602246689
38	Vehicle	Pickup	1	AnsalemLepcha	Beong	7407876104
39	Vehicle	Bolero	1	Jimpagyatsho Sherpa	Chumang F.V	9800233372
40	Excavator	JCB	1	Firoj Ali	Gitdabling	9679325525
41	Camera	Digital Camera	1	Amar Rai	Tugong	8967379001
42	Camera	Digital Camera	1	IngdenLepcha	Dabling	8116168371
43	Camera	Digital Camera	1	Anil Lepcha	Pakang	9679680179
44	Camera	Digital Camera	1	Laden Lepcha	Beong	7478676903
45	Miking System	Miking System	1	GambirmanRai	Pochok	7602425553
46	Miking System	Miking System	1	Ashok Lepcha	Dabling	9932561180
47	Vehicle	Pickup	1	Markus Lepcha	Algarah DIF III	9932738221
48	Vehicle	Truck	1	Simon Lepcha	Algarah DIF III	
49	Vehicle	Pickup	1	Subash Singh	Algarah DIF III	9800095857
50	First Aid kit	First Aid kit	1	Primary Health Center	Algarah DIF III	
51	First Aid kit	Strecher	1	Primary Health Center	Algarah DIF III	
52	Torch Light	Torch Light	1	TsheringDorjeeBhutia	Algarah DIF III	790868018
53	Camera	Digital Camera	1	TsheringDorjeeBhutia	Algarah DIF III	790868018
54	Vehicle	Vehicle	1	BhimGurung	Lower GairiGaon	7407757781
55	Vehicle	Pickup	1	KadoBhutia	Upper GairiGaon	7407752188
56	Vehicle	Pickup	1	MeghnathGhimiray	East Lower Pagang	7365835640
57	Vehicle	Pickup	1	SonamBhutia	East Lower Pagang	8972409398
58	Vehicle	Pickup	1	LakpaBhutia	West L/ Pagang	9749026124
59	Generator	Generator	1	G. P. Office	East Lower Pagang	9933043026
60	First Aid kit	First Aid kit	10	Sub Health Centre	Upper Pagang	9002639581

61	Excavator	JCB	2	Saran Rai	Rangpo F.V.	9002624635
62	Truck	TATA	1	Saran Rai	Rangpo F.V.	9002624635
63	Excavator	JCB	1	Prabin Rai	Tarkhola F.V.	993373079
64	Truck	TATA	1	Prabin Rai	Tarkhola F.V.	993373079
65	Excavator	JCB	1	Biraj Rai	Tarkhola F.V.	993373079
66	Truck	TATA	1	Biraj Rai	Tarkhola F.V.	993373079

**8. LIST OF EARTH MOVING HEAVY VEHICLE FOR DISASTER MANAGEMENT UNDER GORUBATHAN DEVELOPMENT BLOCK, GORUBATHAN**

Sl No.	Name of the Owner	Address	Contact No.	No. of Machine	Type of Machine
1	Sri Lakpa Namgay Bhutia	Todey Bazar	9800322826	1	JCB
2	Sri Ramesh Agarwal	Jholung Bazar	9531740644	1	JCB
3	Sri R.K Singh	O/C GREF, Phaperkheta	8016756278	2	JCB
4	Sri Sawant Kumar	O/C GREF, Shermali	8015625035	2	JCB
5	Sri Ajay Pal	Odlabari (for Pokhrebong G.P)	9593645017	1	JCB

**9. List of Petrol Pump and LP Gas godowns in Kalimpong District :**

Sl. No.	Name of the Dealer	Address and Mobile Number	Type of licence (LPG/Petrol/HSD)
1	Rinchen Gas Service	Main Road, Kalimpong. 9933658888	LPG
2	David Gas Distributor	10 <sup>th</sup> Mile, Rishi Road, Kalimpong. 9434735225	LPG
3	Phurba Indane Agency	Pedong, Gorubathan. 9933780084	LPG
4	Gorubathan Indane Gramin Vitrak	Khasmahal, Gorubathan. 8016456919	LPG
5	Sindbong Indane Gramin Vitrak	12 & 1/2 Mile Sindbong, Khasmahal, Kalimpong. 8116620644	LPG
6	Tashi Service Station	8 <sup>th</sup> Mile, Kalimpong. 9933890421	Petrol
7	Suntalay Oil.com	NH-31A, Lohapul, Suntalay, Kalimpong. 9434083520	Petrol
8	Biswa Kiran Fuel Centre	6 & 1/2 Mile, Rishi Road, Kalimpong. 7797894989	Petrol
9	Ratiram Bansilal Fuel Centre	Rishi Road, Kalimpong. 9832047800	Petrol
10	Gorubathan Fuel Service	Lava Road, Gorubathan. 7984167687	Petrol



## Annexure VI

### *Medical Preparedness Plan*

#### **DMP Chief Medical Officer of Health, Kalimpong** **Short Preamble in respect of Disaster Management.**

India has been traditionally vulnerable to natural disasters on account of its unique geo-climatic conditions. Floods, droughts, cyclones, earthquakes and landslides have been a recurrent phenomena. About 60% of the landmass is prone to earthquakes of various intensities; over 40 million hectares is prone to floods; about 8% of the total area is prone to cyclones and 68% of the area is susceptible to drought. In the decade 1990-2000, an average of about 4344 people lost their lives and about 30 million people were affected by disasters every year. The loss in terms of private, community and public assets has been astronomical.

Manmade disaster is preventable. But natural disaster itself is not preventable, But the consequence of disaster like damage, mortality and morbidity and/or any kind of public health problems may be prevented or reduced by taking active intervention timely in different phase of disaster like Inter disaster phase, Pre disaster phase, Impact phase, Emergency phase and Re-construction phase etc. For this purpose we are to make Disaster Management Plan in advance in Inter disaster phase and in Pre disaster phase.

#### **Likely health problem in post disaster phase.**

Phase	Days	Likely Health Problem
I	0-3 Days	Disposal of dead bodies, Injuries, Drowning, Snakebites.
II	4-10 Days	Cholera, Bacterial dysentery.
III	11 Days-3 Weeks	Pneumonia, Hepatitis, Meningitis, Polio, Measles.
IV	3-6 Weeks	Malaria, Dengue, JE, Plague, Rehabilitation of injuries.
V	>6 Weeks	Psychological Problems, Malnutrition, etc.

#### **Institutional and Policy Framework**

i) Medical Teams have been prepared Sector wise consisting of the functionaries like BMOH, Medical Officer, Health Supervisors (M/F), SWO, BSI, SI, BPHN, PHN, Staff Nurse, Health Assistant (M/F) GDA, etc.

In grass root level health functionaries may be assisted by Community Health Guide and Anganwadi Worker and ICDS Supervisor and volunteers from Local Community, Club Members, School teachers, Panchayat Members, G.P. Pradhan, Staff from other departments etc.

ii) All the Health Assistant (M/F), Supervisors should be kept some basic medicine as per the list given by respective BMOHs. Superintendent, Kalimpong SDH must arrange extra

space for accommodating injured patient & sufficient medicine stock must be procured from DRS, Darjeeling.

iii) Other health facilities like Dispensary/Hospital of plantations, Railway, Defence, Forests etc. will keep the Medicine and articles as per the list given to them.

PHE will also arrange for provision of safe drinking water to the beneficiaries under their catchment areas.

iv) Records regarding the utilization of Medicine etc. should be maintained in proper register by respective health units.

v) In respect of Providing Services all the Govt., Non Govt. Organization should maintain intra sectoral and inter sectoral co-ordination and also with Deptt. of Health to avoid any kind of duplicity and also for better services to affected areas.

vi) To avoid confusion and panic reaction no one should disclose/expose any kind of information to Media Personnel without consultation with concerned authority by telephonic message or other means.

vii) Multipurpose health worker should visit field regularly for collecting information and necessary action.

viii) To overcome the crisis of trained manpower in community including garden, villages some selected person of respective local community may be involved & provided training for working knowledge in different Health unit under Kalimpong Sub-Division.

ix) Problems of transportation may be solved by civil administration Sub-Divisional Magistrate, Block Development Officer etc. in extra demand during any kind of emergency.

x) All kind of leave of staffs during emergency will be cancelled.

xi) Staff from non-affected area may be shifted to affected area.

xii) All team leaders should maintain Liason with the Department of Relief, Civil and General Administration, Panchayat etc. for running the activities smoothly during emergency period.

a. Vulnerable location & Shelter points.

b. Flow Chart about mode of action.

c. Medical team distribution & details.

**Control Room C.M.O.H Office Kalimpong.**

Sl.No.	Name	Designation	Contact No
1	Dr.SwasthiBhusanKundu	A.C.M.O.H	7278202926
2	Mrs.MunnaChhetri	H.A(M	9002066477

3	Mrs.BinaMukhia	H.A (F)	7318723783
4	Mr.BinodGhimiray	U.D.C	9933474943
5	Mrs. Kendra Moktan	L.D.C	9563821734
6	Mr. Anil Burman	G.D.A	9932212737
7	Miss. ShrinkhalaPradhan	D.E.O	9733385516

**ACTION PLAN FOR THE DISASTER MANAGEMENT IN RESPECT OF  
KALIMPONG DISTRICT HOSPITAL**

**Telephone: 03552 - 255245, 255633**

**Disaster** can cause damage, ecological disruption, loss of human life or deterioration of health and health services on a scale sufficient to warrant extraordinary response.

**TYPES of disaster relevant to Sub Himalayan WB:**

- Earthquakes
- Floods
- Landslides
- Fire

**SHORT TERM EFFECT**

1. Death.....Few to many
2. Severe Injuries.....Many to many
3. Potential risk of epidemic of communicable diseases
4. Emotional stress
5. Increase in Indigenous diseases
6. Damage to health facilities.....Severe (Structures, Equipmentsetc)
7. Damage to water distribution system
8. Major population movement: Rare/Common

**MANAGEMENT SEQUENCE OF A SUDDEN ONSET DISASTER**

1. Disaster impact & Response ( Search, Rescue and First aid, Identification of Dead etc)
2. Relief Phase (Supplies, Transportation, storage & distribution)
3. Epidemiologic Surveillance & Disease control, Vaccination (Typhoid, Cholera, TT),
4. Assessment of Nutritional needs & status of affected population.
5. Assessing the food supplies & calculating daily food rations
6. Food safety, Safe drinking water (Hyper-chlorination/new water source) Basic sanitation & personal hygiene, Vector Control.
7. Sewerage system management.
8. Public health services.
9. Health Facilities
- 10.

## **CONTACT PERSONS**

<b>NAME</b>	<b>DESIGNATION</b>	<b>CONTACT NUMBER</b>
1. Dr.Nirupam Biswas	C.M.O.H., Kalimpong	7407247785
2. Dr.AnkanSimlandi	Superintendent	9647238868(M)
3. Mr.Kallol Khan	Asstt. Superintendent	9433375464(M)
		03552-255245(O),255415 (R)
4. Mrs.N.Lepcha	Nursing Superintendent	9647839964
5. Mrs.MikiLamu Sherpa	Dy.Nursing Superintendent	9733118172
6. Mrs.SangitaTamang	Dy.Nursing Superintendent	9563591137
7. Mr.MahendraPariyar	Ward Master	9832548998
8. Mr.UmeshGurung	Ward Master	9851849286
9. Mr.PrakashBiswakarma	Ambulance Driver	9932685757
10. Mr. Jai Raj B.K.	-----do-----	9832644435
11. Mr. Rabi Pradhan	-----do-----	9851788410
12. Ward Master Office		03552-255363
13. Mr.Ananda Raj Pradhan	Electrician	9832361364

## **PERSONNEL**

1. Hospital Superintendent.....01
2. Assistant Superintendent.....01
3. Total Number of Medical Officers.....36 (Regular + Contractual)
  - Medical Officer Working in different specialties...23 -----do-----
  - General Duty Medical Officers (GDMO).....10 -----do-----
  - Blood Bank Medical Officers.....01
  - Dental Surgeon..... 02 -----do-----
  - Homeopathy Medical Officer (HMO)..... 01
4. Nursing Personnel..... 137
5. Non Medical Technical Personnel..... 26 -----do-----
6. Ambulance Driver..... 05 -----do-----
7. General Duty Attendant (GDA)..... 75 -----do-----
8. Sweepers..... 20-----do-----

## **FACILITIES**

- 24 hrs Emergency Unit
- 24 hrs OT/LR Services
- 24 hrs Blood Bank Services
- 24 hrs Emergency X-Ray& Digital X-Ray
- 24 hrs Ambulance Service
- ECG/USG Services
- Clinical Pathology
- H.D.U
- General & Special OPDs
- Dispensary
- 380 functional bed strength

- Gen. Medicine, Gen. Surgery (with burn ward), Gynae-Obstetrics (With PP Unit), Orthopaedics, Paediatrics, Eye, ENT, Dental clinic, LDC (Yoga), Homeopathy, Physiotherapy.
- 24 hrs D.G Support (50kva )
- Ambulance.....03
- Matriyan .....02

Stretchers cum Trolley.....12

## **STORES**

Store Keepers.....04

Status of Life saving Drugs.....Available/ Sufficient

Status of General medicines.....Sufficient

Status of dressing materials/ Instruments/POP etc for injuries.....Available

Status of disinfectants.....Available

Total Numbers of Oxygen cylinders (Type A, B, D) at different units.....180

Stock Position of Oxygen.....60-70 cylinders

## **MAKE SHIFT HOSPITAL**

- S.U.M.I Gym Hall/Class rooms/Mill Ground
- Dishacentre
- Girls High School Centenary Hall/ School Ground/ Classrooms

## **SUPERINTENDENT DISTRICT HOSPITAL KALIMPONG**

### **Control Room Pedong BPHC 2018.**

NAME	DESIGNATION	CONTACT NUMBER
Dr.Titas Roy	B.M.O.H	9874738842
Mrs.PabiDewanRai	BPHN	9800609714
Miss. YanchenDolkar	PHN	8101172488
Miss SujanaGurung	D.E.O	8016188411
Mrs.BharatiGurung	D.E.O	7585951859

### **Medical team for distribution & details under PedongBlock Primary Health Center, Kalimpong II Dev Block**

#### **Medical TeamFor Sector - 1 (Pedong Sector)**

Sl.No.	Subcentre/BPHC/Sector	GP	Name of member & designation	Phone No.
1	Pedong BPHC	Pedong	Dr. N J Pradhan, MO	9641074540
2	Pedong BPHC	Pedong	Dr. Joy Dev Pal, 2nd MO	7602208860
3	Pedong BPHC	Pedong	Dr.SayanHalder, MO	7063626159
4	Pedong BPHC	Pedong	Mrs.PabiDewanRai, BPHN	9800609714
5	Pedong BPHC	Pedong	KewalPradhan, Pharmacist	9800226751
6	Pedong SC	Pedong	SuchitaGurung ,ANM& Elias Lepcha(B.S.I).	9933633081 &9800839293

7	Dalep SC	Pedong	JanukaShivaKoti ANM	9832333899
8	Kashyong SC	Kashyong	AmbicaChettri , ANM &JeewanGurung, HA	8972684233 & 9933021203
9	Kagay SC	kagay	JamunaPradhan , ANM & PranamRai, HA	8972684274 & 9832073309
10	Lingsey SC	Lingsey	KarunaKafley, ANM & Krishna Sharma, HA	9563491062 & 8101215937
11	North Sakyong SC	Sakyong	DeepmalaGolay, ANM & Francisca Rai, HA	9733318941 & 9933922893
12	Tendrabong SC	Sakyong	DevimayaSarki, ANM &ChuramaniChettri, HA	9563526340 & 9733061809

**Medical Team For Sector - 2 (AlgarahSector)**

Sl.No.	Subcentre/BPHC/Sector	GP	Name of member & designation	Phone No.
1	Algarah PHC	Santook GP	Dr.DikpatiMukerjee, MOIC	9835771551
		Santook GP	Dr.AnjanSadhukhan, HMO	9432134425
2	Algarah SC	Santook GP	YanchenDolkar, PHN	8101172488
3	Algarah SC	Santook GP	Isha Rani Lepcha, HS F	9735973522
4	Algarah SC	Santook GP	DevikaRai, ANM &Prativa Sharma, 2 <sup>nd</sup> ANM	9933884372 & 7586049802
5	Paiyong SC	Paiyong GP	Bimla Sharma ANM &Punam Lama 2 <sup>nd</sup> ANM	9002639581 & 9002149052
6	Dalapchand SC	Dalapchand GP	PempademBhutia,ANM&SamjanaBiswa 2 <sup>nd</sup> ANM	8436151779 & 8972215912
7	Rangpo SC	Sangsay GP	PhuplamuTamang , ANM OpikaSubba ANM	9002757879 7063030191
8	Munsong SC	Sangsay GP	PritikaTamang,ANM&AnandRai ,HA	9609717021 & 9733215931
9	Sangsay SC	Sangsay GP	Devika lama ,ANM &GomitLepcha 2 <sup>nd</sup> ANM	9732277238 & 9932747437

**Medical Team For Sector - 3 (GitdublingSector )**

Sl.No.	Subcentre/BPHC/Sector	GP	Name of member & designation	Phone No.
1	Gitdubling PHC	Gitdubling	Dr.Subhendu Das, MOIC Dr.PranabBiswas, MO	9932006266 7044572001
2	Gitdubling PHC	Gitdubling	Dr.SujayMajumdar, HMO	8420069444
3	Gitdubling PHC	Gitdubling	ElimitLepcha, HS F	9679723130
4	Gitdubling PHC	Gitdubling	RajuGurung, Pharmacist	9800388840
5	Lava SC	Lava Gitbeong	Tshering Yankee Bhutia 2 <sup>nd</sup> ANM & Edwin Subba ,HA	9932892506 & 8967372096
6	Gitdubling SC	Gitdubling	AnjuChettri, ANM &MagdalineLepcha, 2 <sup>nd</sup> ANM	9933665659 & 9932145426

8	Mool Pala SC	Lolay	DivyaGurung ,ANM & Edward Tamang, HA	8967883825 & 8016460483
9	Lolay SC	Lolay	Anu Sharma 2 <sup>nd</sup> ANM & Yang DorjeeTamang, HA	8759157894& 8906252189
10	Ladam SC	Kagay	PunamChettri , ANM &SurajMoktan ,HA	8967884027 & 9933633303

**Medical Team distribution and details under Gorubathan BPHC, GorubathanDev Block**  
**Medical Team for Sector- I (Gorubathan Sector)**

Sl.No.	Subcentre/BPHC/Sector	GP	Name of member	Designation	Phone No.
1	GorubathanBPHC		Dr.SaikatSaha	2 <sup>nd</sup> MO	8670998733
			Dr.UttamDebanth	GDMO	9475325247
			Dr.Sanul Islam	GDMO	99851262889
			Sampa Das	Sr. PHN	9679955704
			RoshanRai	HS (F)	9474379272
			SushmaRai	GNM	9593849034
			BinitaGurung	GNM	9735925827
			SunitaThirikhatri	GNM	8670979138
			SharmilaSubba	GNM	7063104966
			Rumpa Das	GNM	8759592346
			SurpiyaGhosh	GNM	9641545842
			NishaDewan	GNM	8927479153
			MeetaChhetri	GNM	8900580949
			Amit Kr. Ahikari	Pharmacist	9474719164
2	Sherpagaon PHC		Dr.Uttam Das	HMO	9733112258
3	Bhuttabari SC	Gorubathan-I	RadhikaRai	1 <sup>st</sup> ANM	8967515795
			Bimmi Singh Pariyar	2 <sup>nd</sup> ANM	9775339648
			Bimal Sark	HA(M)	9775911783
4	Mission Hill SC	Ahalay	AnjanaChhetri	1 <sup>st</sup> ANM	9563773136
			RadhikaSubba	HA(F)	9735951855
			Munna Lama	HA(F)	8900046768
5	Sherpagaon SC	Gorubathan-II	AnantaChhetri	1 <sup>st</sup> ANM	9832655260
			Bhagirathi Rai	2 <sup>nd</sup> ANM	8348280793
6	Mangzing SC	Pokherbong	Satyam Ghising	2 <sup>nd</sup> ANM	8016526504
			LeelaChhetri	HA(F)	9733083774
7	Dhipdara SC	Gorubathan-II	Sangita Roy	1 <sup>st</sup> ANM	9593925657
			SamitaRai	HA(F)	8670240731
8	Upper Fagu SC	Nim	SaraswatiRasaily	2 <sup>nd</sup> ANM	9609831039
			DamberRai	HA(M)	7407257164
			SaritaRai	HA(F)	9832806651
9	Gorubathan SC	Dalim	RenukaRai	1 <sup>st</sup> ANM	9775814046
			MenukaRai	2 <sup>nd</sup> ANM	7602926554

**Medical Team For Sector - 2 ( Jaldhaka Sector)**

Sl.No.	Subcentre/BPHC/Sector	GP	Name of member	Designation	Phone No.
1	Jaldhaka PHC		Dr.AchintoChakraborty	MOIC	9433849766
			Dr. Ram Sagar Roy	GDMO	9475026455
			KapilaGurung	PHN	9474084841
			C.D Sherpa	Acting HS(F)	8967495968
			Maria Gorato Sherpa	GNM	9434600835
			PunamChhetri	GNM	9474391147
			Sagarika Roy	GNM	9474850627
			PratimaOjha	GNM	9474799899
			Kamal Bahara	Ayurvedic Pharmacist	9434834586
2	Todey SC	Todey-Tangta	Sangita Lama	1 <sup>st</sup> ANM	9434970064
			DipikaThapa	2 <sup>nd</sup> ANM	9474034065
			Akbar Rai	HA(M)	NA
3	Jhalung SC	Patengodak	SuchanaGurung	1 <sup>st</sup> ANM	9474016776
			GayatriSunuwar	2 <sup>nd</sup> ANM	9475396405
			Neela Lama	HA(F)	9474417213
4	Jaldhaka SC	Patengodak	Krishan Sharma	1 <sup>st</sup> ANM	9474084840
			DebasreeMahalanabish	1 <sup>st</sup> ANM	9475159376
			Sarita Sharma	2 <sup>nd</sup> ANM	947627338
			John Lepcha	HA(M)	9474390336
5	Kumai SC	Kumai	Sabnam Sharma	1 <sup>st</sup> ANM	94345992948
			RashmiChhetri	2 <sup>nd</sup> ANM	9475759835
6	Gairibas SC	Rongo	RanjanaGurung	1 <sup>st</sup> ANM	9474905149
			YumeaGurung	1 <sup>st</sup> ANM	8001933821
			ArunaRai	2 <sup>nd</sup> ANM	9476281775
			Ganesh Pd. Gurung	HA(M)	9475809430
7	Samsing SC	Samsing	BibiyanaRai	1 <sup>st</sup> ANM	9474422450
			MamtaBhujel	2 <sup>nd</sup> ANM	9474444195
			NirojRai	HA(M)	9126036024
			Amrita Bhujel	GDA	9531623934

**Medical Team distribution and details under Kalimpong BPHC, KalimpongI Dev Block**

**Preparedness of RRT for Disaster Management**

Name of the Block/DH/SDH	Name of the Medical Officer	Contact No of MO	Name of the PHN	Name of the Staff Nurse	Contact No of Staff Nurse
Kalimpong-I	Dr.PalashSikdar	8296447165			
Teesta PHC				Smt. MenukaGhatraj	9641964017
				Smt. DurgaSubba	9635908116
				Smt. PoonamRai	9933167002
				Smt. ChandaThapa	9641478099



## Annexure VII

### QRT Kalimpong Municipality

#### WARD No. I

Sl No.	Name	Contact No.
1	Abdul Nortim Bhutia	76023 09221
2	Kamrodin Ali	75849 42909
3	Fiayaz Khan	95472 63322

#### WARD No. II

Sl No.	Name	Contact No.
1	Abdul Gani	96410 80878
2	Nordhan Sherpa	82409 07813
3	Siddhan Pradhan	85092 64127

#### WARD No. III

Sl No.	Name	Contact No.
1	Pranay Pradhan	78727 40061
2	Suraj Rai	90029 31970
3	Diwakar	73841 16038

#### WARD No. IV

Sl No.	Name	Contact No.
1	Amit Thapa	98516 50309
2	Lukas Lepcha	89678 52361
3	Sarah Darnal	79680 24911

#### WARD No. V

Sl No.	Name	Contact No.
1	Rajen Chettri	74077 53822
2	Saurav	97491 55239
3	Raju Biswakarma	74078 06659

WARD No. VI

Sl No.	Name	Contact No.
1	Anisha Chettri	90648 33340
2	Bijai Biswakarma	76025 29621
3	Sangram Sharma	75849 96369

WARD No. VII & VIII

Sl No.	Name	Contact No.
1	Jashu Chettri	77974 24055
2	Basant Rai	77183 20102
3	Amir Chettri	62959 44182

WARD No. IX

Sl No.	Name	Contact No.
1	Narenora Karki	80168 51954
2	Gaicho Bhutia	90933 97802
3	Govind Basnet	99323 19931

WARD No. X

Sl No.	Name	Contact No.
1	Arpan Gurung	96099 24143
2	Krishna Mangrati	82508 64285
3	Dawa Norbu Yonzon	87688 07546

WARD No. XI

Sl No.	Name	Contact No.
1	Pradip Prasad	99323 54155
2	Sonam Bhutia	90649 19887
3	Buddha Tamang	70011 51037

WARD No. XII & XIII

Sl No.	Name	Contact No.
1	Manish Pradhan	73186 68258
2	Biren Sewa	81164 75071
3	Anil Sundas	99337 96760

WARD No. XIV

Sl No.	Name	Contact No.
1	Santosh Pradhan	95479 54288
2	Pankaj Chettri	
3		

WARD No. XV & XVI

Sl No.	Name	Contact No.
1	Prakash Lama	90022 16189
2	Sunil Chettri	95938 31924
3	Santosh Rai	86701 15818

WARD No. XVII

Sl No.	Name	Contact No.
1	Bhatan Thapa	76029 60631
2	Biru Basor	80165 82211
3	Arjun Thapa	75859 58420

WARD No. XVIII

Sl No.	Name	Contact No.
1	Deepak Biswakarma	77192 33182
2	Anosh Subba	80163 85678
3	Prakash Yadav	81580 43885

WARD No. XIX

Sl No.	Name	Contact No.
1	Parangat Tigga	81458 42545
2	Deepan Kharga	98323 60668
3	Khaku	76791 26300

WARD No. XX & XXI

Sl No.	Name	Contact No.
1	Gauri Prasad Sharma	94343 80805
2	Kishore Pradhan	96794 66729
3	Surendra Gautam	99334 08408

WARD No. XXII

Sl No.	Name	Contact No.
1	Gautam Pradhan	96351 47270
2	Bhim Sharma	98004 16747
3	Janu Subba Lapchan	83487 64049

WARD No. XXIII

Sl No.	Name	Contact No.
1	Umesh Tamang	86706 46790
2	Ujwal Sharma	96411 96455
3	Kiran	70019 16424

**QRT Kalimpong I Block**

Sl. No.	Name of the G.P.	Volunteer	Contact No.
1	<b>Bhalukhop</b>	1. Tikaram Sharma-I 2. Mahendra Rai-I 3. Malati Rai-I 4. Arpen Rai-I 5. Malati Chettri-II 6. Rinky Tamang-II 7. Subotutta Gurung-II 8. Richart Lepcha-II 9. Kiran Gurung-III 10. Lakmit Bhutia-III 11. Janak Panchakoti-III	9932161789 9083680728 7432902403 8759918480 7719201098 7001237904 8371035354 7478444991 9932514389 9851192772 74788531626

		12. Papu Pradhan-III 13. Santosh Rai-IV 14. Bikash Pradhan-IV 15. Phurba Bhutia-IV 16. Dew Kumar Chettri-IV 17. Uddap Lama-V 18. Krishna Rai-V 19. Binita Rai-V 20. Ravi Chettri-V 21. Medina Lepcha-VI 22. Prajay Rai-VI 23. Santosh Manger-VI 24. Suren Rai	7797870687 9547165543 8116598861 9933020817 9800608845 8436541304 9933632970  8967007129 9932018853 8145677254 7797953302 8942844842
2	<b>Bong</b>	1. Palden Taman-I 2. Buddha Raj Subba-I 3. Krishna Subba-I 4. Hema Darnal-I 5. Anjana Adhikari-II 6. Arun Chhetri-II 7. Geeta Chettri-II 8. Chanchal Basnet-II 9. Ashwin Chettri-III 10. Gay Tsh. Lepcha-III 11. La Tsh Lepcha-III 12. Tazom Lepcha-III 13. Bimal Rai-IV 14. Samden Lepcha-IV 15. Kamal Pradhan-IV 16. Digyel Lepcha-IV 17. Krishna Pokhrel-V 18. Ganesh Rai-V 19. Prasad Subba-V 20. Rekha Borai-V 21. Tekendra Adhikari-VI 22. Indra Tamang-VI 23. Takendra Bhundari-VI 24. Pragya Bhundari-VI 25. Bimal Rai-VII 26. Sukbir Rai-VII 27. Hemu Bhujel-VII 28. Bindu Rai-VII	9933458986 7679597206 9933801227 9002693242 9832435431 9933474565 7864992780 9547758106 9564415835 8016105597 9932792251 8372035119 9547101634 9933022105 9933663131 9832009293 9832644401 9735838165 9735668173 8927762975 9641689672 9832549142 9547757957 9932965681 8945962733 9002207897 8016257709 9382807632
3	<b>Dr. Graham's Homes</b>	1. Smt. Suman Rana-I 2. Sri.Chandra Bdr. Sarki-I 3. Smt. Sarda Panchakoti-I 4. Bikki Ghimiray-I 5. Kumar Rumptel-II 6. Pratap Rai-II 7. Ranju Subba-II 8. Rita Tamang-II 9. Albina Thapa.-III 10. Sanita Chettri-III	9735023978 9593685750 7699875672 6295324761 8101129675 9832872014 7432888359 7001228862 9933377182 9679701557

		11. Dhurbamani Chettri-III 12. Prakash Shanker-III 13. Moses Lepcha-IV 14. Munni Darnal-IV 15. Akash Patel-IV 16. Lalita Lama-IV 17. Arun Shankar 18. Rebika Simick 19. Noel Tamang 20. Manju Rajput	8016878092 9832079580 9800204225 9933128902 9679973147 8016597330 7047710606ss 7602232477 96142481234 8942859118
4	<b>Dungra</b>	1. D.B.Thapa-I 2. Sandesh Subba-I 3. Sanju Subba-I 4. Gyanendra Subba-I 5. Shiva Sharma-II 6. Ashish Subba-II 7. Abhimanyu Subba-II 8. Tirtha Bdr. Subba-II 9. Bipen Pradhan-III 10. Manju Pradhan-III 11. Jiwan Pradhan-III 12. Shanta Bdr. B.K-III 13. Ajay Tamang-IV 14. Bal Krishna Rai-IV 15. Nigma Lepcha-IV 16. Sidhant Rai-IV 17. Rajiv Gazmer-V 18. Gita Chettri-V 19. Yougal Thapa-V 20. Sandip Ghimirey-V 21. Bimal Chhetri-VI 22. Mamta Thapa-VI 23. Phipang Subba-VI 24. Saloon Chettri-VI 25. Nayan Subba-VII 26. Roshan Ghimiray-VII 27. Siddhan Pradhan-VII 28. Akash Mukhia-VII 29. Sujata Chhetri-VIII 30. Suraj Gurung-VIII 31. Suja Chettri-VIII 32. Nilu Gurung-VIII 33. Laxmi Baraily-IX 34. Bhushan Pradhan-IX 35. Dipen Kalikotey-IX 36. Prakriti Sitton-IX	9933043081 8016646622 9932506796 9635057058 8927773601 8967478518 7319486488 9932201968 8972301318 9832878319 9547806994 9832294706 8101899191 8918289452 8906113200 9635968487 8343881099 8016212516 7063390310 9002854380 7797984963 8371848363 9647751533 6294221375 7001486124 9547655233 9735187818 7001517675 8927773633 9832347602 9093685516 9933176396
5	<b>Kaffer-Kankebong</b>	1. Anil Rai-I 2. Saroj Rai-I 3. Jhon Lepcha-II 4. Sukman Lepcha-II 5. Manoj Poudyal-III	9933546747 9775592946 8972963012 9933780208 9735017618

		6. Stephan Lepcha-III 7. Bharat Thapa-IV 8. Robin Thapa-IV 9. Dikbir Gurung 10. Subash Rai 11. Pema Tamang 12. Santosh Tamang 13. Bikash Mishra 14. Kumar Chhetri 15. Martin Tamang 16. Sarju Rai	7602409155 95947042980 9679013765 9563048208 9002355998 9933132063 9800026713 7797859744 8972899852 9064189460 9775592946
6	<b>Kalimpong</b>	1. Dip Rai-I 2. Hema Tsh. Tamang-I 3. Chojen Lepcha-I 4. Heran Sharma-I 5. Jiten Rasaily-II 6. Ganga Chhetri-II 7. Nouel Lepcha-II 8. Nima Lepcha-II 9. Diwas Ttrwa-III 10. Rupesh Chettri-III 11. Saimon Rai-III 12. Mani Kr.Tiruwa-III 13. Nandalal Sharma-IV 14. Milan Bardewa-IV 15. Pawan Thapa-IV 16. Nirmal Khati-IV 17. Clament Khawa-V 18. La Tsh Lepcha-V 19. Sudir Mangratey-V 20. Bivek Rai-V 21. Suren Chettri-VI 22. Pasang Sherpa-VI 23. Mahendra Gurung-VI 24. Jamesh Lepcha-VI 25. Xavier Tamang-VII 26. John Lepcha-VII 27. Robi Paswan-VII 28. Richard SatisuralVII 29. Wangdi Tamang-VIII 30. Richard Lepcha-VIII 31. Sagar Chhetri-VIII 32. Cho Tsh Lepcha-VIII	9933493102 9933025272 9609841771 7478711491 9933807737 9933719708 9732939573 8016647118 9547564693 9933794063 8372940045 9851649073 8945969186 9932991988 9205916048 8169373901 6294740573 7076036008 9932352867 9732019806 6246451118 9749908238 8670235046 8670235139 9593305994 7601637549 6361791190 8670569075 7076146867 9800372981 8768357071 8116001501
7	<b>Lower Echhay</b>	1. Mahendra Dahal 2. Singi Namgyal Bhutia 3. Kapil Psd. Timsina 4. Dipen Ghimirey 5. Yadav Sharma 6. Tarpan Tamang 7. Krishna Kr Acharya 8. Bijay Thapa	9932671770 9635706520 8145850862 9933024749 9932451123 9679666635 9933671108 9547248769

		9. Bikash Bhujel 10. Urgen Tamang 11. Raju Khati 12. Mahendra Tamang 13. Tikaram Timsina 14. Tikaram Poudyal 15. Durga Nepal	967960213 9932234687 9749594171 9933628538 9933807772 8016105724 9832478563
8	<b>Nimbong</b>	1. Chyo Joate Lepcha-I 2. Avinas Lepcha 3. Kailash Chettri 4. Dilip Gurung 5. Yadav Thapa 6. Sonam Tsh. Lepcha 7. Dalaram Sharma 8. Gobind Chettri 9. Gunjan Chettri 10. Tikaram Chettri 11. Suman Tamang 12. Dipen Chettri 13. Prabin Chettri 14. Damber Kr. Chettri 15. Nima Tsh Lepcha 16. Chandra Man Bhujel 17. Harkaman Tamang 18. Raju Chettri 19. Teay Tsh. Lepcha 20. Reena Chettri 21. Bal Krishna Sharma 22. Yogendra Sharma 23. Anju Lepcha 24. Tyen Tsh. Lepcha 25. Bar Singh Lepcha 26. Eden Lepcha 27. Santa Lepcha 28. Tirtha Bir Tamang	9476294243 7872285704 7872566766 8343820212 8370938691 8158017784 9083709290 9647712992 9547299188 9733430233 9733118394 8145706275 9593212194 7407185309 9679375015 7602235241 7872938669 9775428749 9775408511 9609727346 7384240577 7407095378 9679219475 9932323151 6295387928 9933447843 8145240580 7602918502
9	<b>Pabringtar</b>	1. Nitesh Khawas-I 2. Damber Thapa-I 3. Yogen Subba-I 4. Kailash Bhujel –I 5. Yuel Subba-II 6. Gobin Biswakarma-II 7. Kalyan Chettri-II 8. Ravendra Subba-II 9. Agam Sing Gurung-III 10. Kiran Khawas-III 11. Amit Subba-III 12. Dil Bdr. Subba-III 13. Suraj Mukhia-IV 14. Simon Rai-IV 15. Gokulsing Gurung-IV 16. Jiwan Chettri-IV	7384637699 9547599846 8343886196 9093369628 7602192875 8972938168 9547599228 9679891705 7479241377 6295478871 9635400336 9002906747 769874307 7407619643 9563618354 9434147238



		17. Mani Kr. Subba-V 18. Hasan Gurung-V 19. Suraj Subba-V 20. Harka Subba-V 21. Sohan Thakur-VI 22. Shibu Rai-VI 23. Geeta Tamang-VI 24. Rakesh Mukhia-VI	9434226829 9734046782 8768185033 8145678109 9593833850 9002125079 7076909171 9800000828
10	<b>Pudung</b>	1. Sandeep Tamang 2. Ramesh Sharma 3. Manik Rai 4. Bijay Jogi 5. Nittam Rai 6. Rewas Rahapal 7. Durga Gurung 8. Ram Rai 9. Sidesh Rai 10. Joshep Rai 11. Jitu Subba 12. Raju Rai 13. Dhan Kr subba 14. Chandra Kr Rai 15. Durga Tamang 16. Yadhunath Adhikari	8637030388 8388978533 8016851747 7063455829 8597459300 8972679224 8016851546 6294083103 6296134729 9733386507 9800600381 8145839279 7557051250 8016219093 7602799469 9547656356
11	<b>Samalbong</b>	1. Subash Rai-I 2. Sudhir Chettri-I 3. Sujata Biswakarma-I 4. Sameer Tamang-I 5. Nirmal Lepcha-II 6. Hari Manger-II 7. Harka Bdr. Mangar-II 8. Yawan Chettri-II 9. Sundar Lama-III 10. Benu Chettri-III 11. Manju Tamang-III 12. Sanjay Subba-III 13. Deepen Kalden-IV 14. Deo Prakash Rai-IV 15. Tanka Mukhia-IV 16. Robin Khawas-IV 17. Endra Bdr. Kalden-V 18. Jonas Bhujel-V 19. Surendra Tamang-V 20. Som Tshering Lepcha-V 21. Sinbir Tamang-VI 22. Daulat Rai-VI 23. Krishna Pd. Chettri-VI 24. Amrit Thapa-VI 25. Sanjay Tamang-VII 26. Arun Tamang-VII 27. Pradip pd. Tamang-VII	8016878081 8016390576 8016462740 9635052878 9547792622 9733961759 9932958490 8945957681 7431924874 9933654087 9735075781 9735909847 8001411331 9733151701 8972587601 6297815368 9563519600 9800765934 8016869731 9609992735 9800139301 9933503581 8370961460 8116864395 7384852213 7602243041 7076872964

12	<b>Samthar</b>	<ol style="list-style-type: none"> <li>Gobind Bhujel-I</li> <li>Sonam Lepcha-I</li> <li>Bikash Bhujel-I</li> <li>Dolma Sherpa-I</li> <li>Dhanman Lepcha-II</li> <li>Justin Lepcha-II</li> <li>Phurba Lepcha-II</li> <li>Kubir Singh Bhujel-II</li> <li>Mahendra Lepcha-III</li> <li>Yadi Lepcha-III</li> <li>Madhan Bhujel-III</li> <li>Dhan Maya Bhujel-III</li> <li>Dinesh Chhetri-IV</li> <li>Lalbir Rai-IV</li> <li>Bijay Gurung-IV</li> <li>Bhim Bdr Bhujel-IV</li> <li>Ren Tsh. Lepcha-V</li> <li>Ribum Lepcha-V</li> <li>Bimla Bhujel-V</li> <li>Binod Pradhan-V</li> <li>Vision Rai-VI</li> <li>Robert Lepcha-VI</li> <li>Sujen Rai-VI</li> <li>Remond Dewan-VI</li> <li>Parsad Bhujel-VII</li> <li>Bal Kr. Bhujel-VII</li> <li>Jhalak Bhujel-VII</li> <li>Paras Tamang-VII</li> <li>Arun Bhujel-VIII</li> <li>Santabir Bhujel-VIII</li> <li>Raj kumar Pradhan –VIII</li> <li>Ramesh Bhujel-VIII</li> </ol>	<p>9733450154 7076872921 9609762149 9647297582 702866206 9933024051 8670663627 7797315420 9733327047 9832376130 9800949916 8759218994 9733377931 8016215085 8145677370 6296715984 9547505044 9933799908 8145678839 8670612219 6294194390 8670090362 6296184144 9002161906 9547785090 7548060042 7602999372 9647953664 9800408450 7602703101 9733019056 8372097017</p>
13	<b>Seokbir</b>	<ol style="list-style-type: none"> <li>Passang Dorjee Tamang-I</li> <li>Robert Lepcha-I</li> <li>Nima Dorjee Tamang-I</li> <li>Sonam Tsh. Lepcha-I</li> <li>Tularam Sharma-II</li> <li>Lalit Pradhan-II</li> <li>Udai Pradhan-II</li> <li>Suraj Pradhan-II</li> <li>Take Bir Gomden-III</li> <li>Arun Bal-III</li> <li>Buddhaman Yonzen –III</li> <li>Sangay Tsh . Lepcha-III</li> <li>Saran Dhakal-IV</li> <li>Mamgal Sing Lepcha-IV</li> <li>Dew Prakash Gomden-IV</li> <li>Laku Tsh. Lepcha-IV</li> </ol>	<p>8145849029 8509264274 9933157569 8250208344 9002142137 9609346572 9800793961 8016107839 8670918361 8207001588 9593911954 8001381441 9647871739 9476293306 9641727410 7872670488</p>
14	<b>Sindebong</b>	<ol style="list-style-type: none"> <li>Thupden Lepcha-I</li> <li>Merina Lepcha-I</li> </ol>	<p>9800486434 8967102524</p>

		3. Rita Rai-I 4. Deep Tsh. Lepcha-I 5. Pratap Rai-II 6. Gobin Basnet.-II 7. Hement Pradhan.II 8. Om Prakash Sharma-II 9. Taraman Subba-III 10. Anil Bhujel-III 11. Kumari Chettri-III 12. Pramod Chettri-III 13. Milan Tamang-IV 14. Nangsal Tamang-IV 15. Diwas Chettri-IV 16. Shanti Silal-IV 17. Narendra Giri-V 18. Rumjang Lepcha-V 19. Rukden Lepcha-V 20. Peden Pradhan-V 21. Sarad Rai-VI 22. Alka Pradhan-VI 23. Jigmey Lepcha-VI 24. Kausal Lama-VI 25. Guddu Lepcha-VII 26. Sabita Sharma-VII 27. Dheraj Thapa-VII 28. Subash Pokhrel-VII 29. Ramesh Jogi-VIII 30. Nil Kr Giri-VIII 31. Rudrahang Subba-VIII 32. Kiran Sharma-VII	8927204602 7318999337 8207001445 7550949701 8170941107 8972380394 8101601631 8918098952 8670000110 9800600442 9735052203 9635336546 7586095132 9932011974 9647789760 7797208760 8670880474 9749233157 7031536797 9614195584 8436007591 8346879833 9064840309 7908294081 9932673702 9933752407 8145393104 6295000295 9933352839 8906989589
15	<b>Tashiding</b>	1. Kiran Sherpa-I 2. Bikash Subba-I 3. Bikki Subba-I 4. Stermon Lepcha-II 5. Riwash Subba-II 6. Deben Subba-II 7. Sonam Lepcha-III 8. Santosh Subba-III 9. Narendra Gurung-III 10. Hemant Khawas-IV 11. Purnam Tamang-IV 12. Norden Lepcha-IV 13. Dinesh Rai-V	9679472855 9002925811 9932175652 9932945647 8906173647 8768837454 9609809698 8159961499 9933671027 9800000959 897100185 9800262464 7586820215
16	<b>Teesta</b>	1. Asish Mangar-I 2. Niraj Chettri-I 3. Sunil Pradhan-I 4. Sajan Mukhia-II 5. Ajit Rai-II	7807053604 7047432209 8967390673 9002690478 8670450841

		6. Uttam Rai-II 7. Raju Subba-II 8. Sanam Lepcha-III 9. Tilak Kr. Tamang-III 10. Sukman Lepcha-III 11. Nirmal Tamang-III 12. Samrat Gupta-IV 13. Bimal Rai-IV 14. Sajan Tamang-IV 15. Abisekh Bhujel-IV 16. Rajdip Biswakarma-V 17. Ruben Chettri-V 18. Manoj Thapa-V 19. Sailesh Sharma-V 20. Pradeep Tamang-VI 21. Sahayong Gurung-VI 22. Karan Pradhan-VI 23. Sushil Manger-VI 24. Shiva Chettri-VII 25. Raju Mukhia-VII 26. Sushil Gurung-VI 27. Bhaskar Pradhan-VII 28. Ganu Rai-VII 29. Binoy Tamang-VII 30. Radha Kishan Panikar-VII 31. Puran Rai-VIII 32. Nirmal Tamang-VIII 33. Sundar Raj Pradhan-VIII 34. Gobind Rai-VIII 35. Gopal Tamang-IX 36. Krishan Pradhan-IX 37. Bishnu Chettri-IX 38. Anit Chettri-IX	8116749192 8167059452 9593031969 8597079714 8167844348 8670979880 6296224156 7679824957 7908409831 9635920831 8348957927 9609937328 9733350528 7908218290 8967885825 9933379675 7602256029 8145862906 7908436148 8918304509 9614766893 9734919809 7585982997 7602286653 8967885636 9064306399 8158082597 8918831813 7047879719 7407180462 8145881664 7872320930 8967220982
17	<b>Upper Echhay</b>	1. Sagar Rana-I 2. Rohit kr. Rai-I 3. Dichen Bhutia-I 4. Suraj Basnet-I 5. Radha Sharma-II 6. Yogen Gurung-II 7. Suk Bdr. Rai –II 8. Dawaki Sherpa-II 9. Phurba Sherpa-III 10. Jharna Kaushik-III 11. Puran Sharma-III 12. Karun Chamling-III 13. Doma Bhutia-IV 14. Sangay Doma Bhutia-IV 15. Tanka Ghimiray-IV 16. Anish Lamichaney-IV	7501882128 9932775667 8116132565 9002621380 7584848534 9800785172 7047710470 9749827940 6296986056 8116512328 8918589638 7384988818 9002760411 8016582808 9832013527 9635058309

18	Yangmakum	1. Dinesh Bhujel-I 2. Prem Bhujel-I 3. Dhiren Rai-I 4. Ongdup Lepcha-I 5. T.B. Rai-II 6. Rajesh (Bicky) Subba-II 7. Chandrap sing Bhujel-III 8. Guman sing Bhujel-III 9. Manish Subba-III 10. Raju Subba-III 11. Ashik Rai-IV 12. Kailash Bhujel-IV 13. Ramsing Bhujel-IV 14. Kalpana Lepcha-IV 15. Nar Bdr. Tamang-V 16. Dal Bdr. Tamang-V 17. Bir Bdr. Bhujel-V 18. Kubir sing Bhujel-V 19. Kanchan Bhujel-VI 20. Passang Tamang-VI 21. Bikash Bhujel-VI	9091377136 9734078005 7478408064 9134874194 9800815618 7719201951 8001280152 8345882262 7074549195 9475875297 9475529082 8597671878 8670141124 8967866305 9635710749 1440286612 8116425432 7602519060 6296773670 8116026894 956489721
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#### QRT Kalimpong II

List of Quick Response Team,KALIMPONG-II DEVELOPMENT BLOCK					
Sl.No.	Name of the members of Quick Response Team(Disaster Management Group)	Address	Contact No.	Field of activity	Name of G.P.
1	Tika Rai	Santook G.P.	9563233614	Executive Assistant	Santook G.P.
2	Rabi Magrati	Santook G.P.	9434196687	Sahayak	Santook G.P.
3	Bijay Tamang	Santook G.P.	9932234662	Karmee	Santook G.P.
4	Nanda Kumar Tamang	Santook G.P.	9932869235	Karmee	Santook G.P.
5	Bina Sarkee	Santook G.P.	9002712288	Karmee	Santook G.P.
6	Bharat Pradhan	Algarah DIF-II	8016480789	Shool Teacher	Santook G.P.
7	Sumit Chettri	Algarah DIF-II	8016386047	Social worker	Santook G.P.
8	Sudesh Chettri	Algarah DIF-II	9933633205	Social worker	Santook G.P.
9	Minju Bhutia	Algarah DIF-II	9609902780	Social worker	Santook G.P.
10	Dushant Tamang	Algarah DIF-I	9932320263	Social worker	Santook G.P.
11	Roman Subba	Lower Santook	9775970742	R.P. Santook S.H.G.	Santook G.P.
12	Pemba Bhutia	Mirik	7602282455	Social worker	Santook G.P.
13	Yogendra Tamang	Pakthang E&W	9749026178	Social worker	Santook G.P.
14	Pranit Bhujel	Paiyong F/V	9775980567	Social worker	Santook G.P.
15	Om. Tsh. Lepcha	Mool Santook	9932397752	Shool Teacher	Santook G.P.
16	Churamani Pokhrel	Whole G.P.	9733061809	Health Dept.	Santook G.P.

17	Santosh Chettri	Menjong	9932180889	Social worker	Santook G.P.
18	Rohit Chettri	Lingseykha G.P.	9932371380	Executive Assistant	Lingseykha G.P.
19	Bharat Bagdas	Lingseykha G.P.	9800600338	Secretary	Lingseykha G.P.
20	Gopal Chettri	Lingseykha G.P.	9832392405	Sahayak	Lingseykha G.P.
21	Sonam Tashi Bhutia,	Lingseykha G.P.	8509215758	Karmee	Lingseykha G.P.
22	Augen Lepcha	Changay	9933772613	Social worker	Lingseykha G.P.
23	Sebastin Lepcha	Changay	8436022209	Social worker	Lingseykha G.P.
24	Churamani Lepcha	Chuba	7479207811	Social worker	Lingseykha G.P.
25	Bishal Dahal	Chuba	8016763500	Social worker	Lingseykha G.P.
26	Ashok Rai	Dagyong Kolbong	7602282684	Social worker	Lingseykha G.P.
27	Sajan Rai	Dagyong Kolbong	9679412052	Social worker	Lingseykha G.P.
28	Tarkeshwar Konwar	Lava-Gitbeong G.P	9932483363	Executive Assistant	Lava-Gitbeong G.P
29	Ran Kr. Nawbag	Lava-Gitbeong G.P		Karmee	Lava-Gitbeong G.P
30	Mahendra Bagdas	Lava-Gitbeong G.P	9800140534	Karmee	Lava-Gitbeong G.P
31	Raju Lamichaney	Lava-DIF	9933447809	Teacher	Lava-Gitbeong G.P
32	Sujan Pradhan	Lava-DIF	9002104969	Social worker	Lava-Gitbeong G.P
33	Phup Tsh. Bhutia	Lava-DIF	8972002012	Social worker	Lava-Gitbeong G.P
34	Sonam Bhutia	Lava-DIF	8116717629	Social worker	Lava-Gitbeong G.P
35	Nima Lepcha	Lava-DIF	9933796732	Civic	Lava-Gitbeong G.P
36	Retemba Sherpa	Lava-DIF	7407898613	Social worker	Lava-Gitbeong G.P
37	Kamal Lepcha	Gitkolbong	9933922835	NGO	Lava-Gitbeong G.P
38	Phup Tsh. Bhutia	Gitkolbong	7076621282	Social worker	Lava-Gitbeong G.P
39	Arjun Sunuwar	Passabong	9593634197	Social worker	Lava-Gitbeong G.P
40	Ladup Lepcha	Passabong	8348993117	Social worker	Lava-Gitbeong G.P
41	Sila Lepcha	Nokdara	9635965015	Social worker	Lava-Gitbeong G.P
42	Bijay Thakuri	Nokdara	9635530814	Social worker	Lava-Gitbeong G.P
43	Binod Gajmer	Sangsey G.P.	7031717068	Executive Assistant	Sangsey G.P.
44	Dinesh Biswakarma	Sangsey G.P.	7602885619	Sahayak	Sangsey G.P.
45	Urgen Tamang	Sangsey G.P.	9775432214	Sahayak	Sangsey G.P.
46	Bharat Chhetri	Sangsey G.P.	9932519280	Karmee	Sangsey G.P.
47	Bimal Sharma	Sangsey G.P.	9832029758	Karmee	Sangsey G.P.
48	D.P. Lohar	Sangsey G.P.	9734097492	Karmee	Sangsey G.P.
49	Sarad Yonzon	Bhangay	9635596838	BLO & SSK Teacher	Sangsey G.P.
50	Anand Chettri	Bhangay	9434891944	SHG Member	Sangsey G.P.
51	Dhana Pradhan	Munsidhura	9933796761	Social worker	Sangsey G.P.
52	Shailendra Tamang	Munsidhura	9800700266	BLO & School Teacher	Sangsey G.P.
53	Chandra Rai	Yogda	8972301861	BLO & School Teacher	Sangsey G.P.

54	Arati Giri	Tumlabong	7063388685	SHG Member	Sangsey G.P.
55	Arjun Rai	Bimbong	9800790063	BLO	Sangsey G.P.
56	Keshar Rai	Kharka	9800226687	Social worker	Sangsey G.P.
57	Sharku Rai	Kharka	9800176217	Tax Collector	Sangsey G.P.
58	Samuel Lepcha	Khambung	9064812581	Social worker	Sangsey G.P.
59	Samala Rai	Khambung	9593977026	ICDS/SHG Cluster	Sangsey G.P.
60	Mahesh Tamang	Burmaik	8906712179	BLO	Sangsey G.P.
61	Samir Paudel	Burmaik	9800788589	NGO	Sangsey G.P.
62	Yugel Tsh. Sherpa	Munsong	9593883178	Asst. Teacher	Sangsey G.P.
63	Sonam Kabo	Munsong	9733216046	Head Teacher	Sangsey G.P.
64	Palden Sherpa	Rangpo GCP	7797646990	Social worker	Sangsey G.P.
65	Sachin Tamang	Rangpo F/V	9800816610	Social worker	Sangsey G.P.
66	Kalpana Rai	Tarkhola F/V	9933109147	BLO/SHG	Sangsey G.P.
67	Dawa Tamang	Tarkhola F/V	7602290828	Social worker	Sangsey G.P.
68	Aitasingh	Mangchu	9933802538	Social worker	Sangsey G.P.
69	Rajkumar Sharma	Sakyong-G.P.	9800113113	Executive Assistant	Sakyong-G.P.
70	Deepak Sewa	Sakyong-G.P.	9832447166	Sahayak	Sakyong-G.P.
71	Hariprasad Sharma	Sakyong-G.P.	9002379742	Karmee	Sakyong-G.P.
72	D.P. Biswakarma	Sakyong-G.P.	9800095210	Karmee	Sakyong-G.P.
73	Kumar Lohar	Sakyong-G.P.	8972460919	Karmee	Sakyong-G.P.
74	Ramesh Biswakarma	Dokyong-I	9933772242	Social worker	Sakyong-G.P.
75	Bhusan Rai	Dokyong-II	8972681334	Teacher	Sakyong-G.P.
76	Sonam Tsh. Bhutia	Lower Menchu	8001390751	Social worker	Sakyong-G.P.
77	Chopel Bhutia	Mul Sakyong-I	9563567899	Social worker	Sakyong-G.P.
78	Rinzee Bhutia	Mul Sakyong-II	9635471153	Social worker	Sakyong-G.P.
79	Udai Rai	Tendrabong	9002732226	Social worker	Sakyong-G.P.
80	Binod Rai	Mairung F.V	9547386688	Social worker	Sakyong-G.P.
81	Urdeep Rai	Chummerchen	9800770347	Social worker	Sakyong-G.P.
82	Alone Rai	Upper Menchu	9564144531	Social worker	Sakyong-G.P.
83	Umesh Rai	Kashyong G.P.	9733060780	Secretary	Kashyong G.P.
84	Pasang Bhutia	Kashyong G.P.	9932493888	Sahayak	Kashyong G.P.
85	Mani Kumar Pradhan	Kashyong G.P.	9635231478	Karmee	Kashyong G.P.
86	Dawa Doma Lama	Kashyong G.P.	7602282752	Karmee	Kashyong G.P.
87	Passang Bhutia	Kashyong G.P.	9932493888	G.P Sahayak	Kashyong G.P.
88	Andres Tamang	Samdong Busty	8158043897	Social worker	Kashyong G.P.
89	Milan Sharma	Kamzer Busty	9547408253	Social worker	Kashyong G.P.
90	Philip Rai	Phurun	8972403909	Social worker	Kashyong G.P.
91	Pradeep Tamang	Namchelakha	9002160473	Social worker	Kashyong G.P.
92	Bishal Rai	Sillary Dobitolly	9083005723	Social worker	Kashyong G.P.
93	Sonam Sherpa	12 no. Dhura	7872751004	Asst. teacher	Kashyong G.P.
94	Kamal Chamling	Upper Kashyem	9593209103	Social worker	Kashyong G.P.
95	Sajan Limbu	Lower Kashyem	7432910996	Social worker	Kashyong G.P.
96	Robert Rai	Gitdabling G.P.	9933628467	Sahayak	Gitdabling G.P.
97	Ramesh Chettri	Gitdabling G.P.	8016582702	Karmee	Gitdabling G.P.
98	Rezmit Lepcha	Gitdabling G.P.	9932903829	Karmee	Gitdabling G.P.

99	Prem Kumar Chettri	DIF	9932828722	Social worker	Gitdabling G.P.
100	Ansalet Lepcha	Beong	7063834190	Social worker	Gitdabling G.P.
101	Gautam Sherpa	Beong	7602222655	Social worker	Gitdabling G.P.
102	Pancharaj Chettri	Tugong Chyangdong	7001045136	Social worker	Gitdabling G.P.
103	Raten Rai	Tugong Chyangdong	8972222452	Social worker	Gitdabling G.P.
104	Roshan Rai	Pochok	9800887499	Social worker	Gitdabling G.P.
105	Rajen Rai	Pochok	8167280875	Social worker	Gitdabling G.P.
106	Engden Lepcha	Dablling	8116168371	Social worker	Gitdabling G.P.
107	Ashok Lepcha	Dablling	9932561180	Social worker	Gitdabling G.P.
108	Topden Lepcha	Pakang	7585951862	NGO	Gitdabling G.P.
109	Samel Lepcha	Pakang	9002304071	Social worker	Gitdabling G.P.
110	Maheshwar Sharma	Paiyong G.P.	9933043026	Executive Assistant	Paiyong G.P.
111	Raju Rai	Paiyong G.P.	9933062005	Sahayak	Paiyong G.P.
112	Deoraj Panchakoti	Paiyong G.P.	9832673989	Sahayak	Paiyong G.P.
113	Rajdeep Gurung	Paiyong G.P.	9733061476	Karmee	Paiyong G.P.
114	Karun Darnal	Paiyong G.P.	9641324706	Karmee	Paiyong G.P.
115	Binod Kumar Chamling	Paiyong G.P.	9932202529	Karmee	Paiyong G.P.
116	Gyanu Tamang	Upper Gairi Gaon	8972476365	Social worker	Paiyong G.P.
117	Dorjee Bhutia	Upper Gairi Gaon	9064463304	Social worker	Paiyong G.P.
118	Pema Gyachhe Bhutia	Upper Gairi Gaon-II Middle	9800600154	Social worker	Paiyong G.P.
119	Chandu Subba	Upper Gairi Gaon West	9800017288	Social worker	Paiyong G.P.
120	Hemu Thapa	Lower Gairi Gaon	8768013383	Teacher	Paiyong G.P.
121	Pramod Gazmer	Upper Pagang	9641004872	Social worker	Paiyong G.P.
122	Rakesh Rai	Upper Pagang	9635005510	Social worker	Paiyong G.P.
123	Rupen Rai	East Lower Pagang	8116168623	Social worker	Paiyong G.P.
124	Pranai Rai	West Lower Pagang	9064463694	Social worker	Paiyong G.P.
125	Gagan Gurung	West Lower Pagang	7585877682	Social worker	Paiyong G.P.
126	Arpan Lepcha	Bidhyang	9933164896	Social worker	Paiyong G.P.
127	Laxman Rai	Bidhyang	9832584234	Social worker	Paiyong G.P.
128	Phup Tshering Bhutia	Pedong G.P.	801600362	Job Assistant	Pedong G.P.
129	Sarad Rai	Pedong G.P.	9932560639	Sahayak	Pedong G.P.
130	Bishnu Kumar Biswakarma	Pedong G.P.	9933628950	Karmee	Pedong G.P.
131	Kamal Kumari Tamang	Pedong G.P.	9635911939	Karmee	Pedong G.P.
132	Kamal Pradhan	Pedong G.P.	8906463637	Karmee	Pedong G.P.
133	Bhakta Rai	Lower Newang Merong	8016105299	Social worker	Pedong G.P.
134	Dipu Tamang	Lower Newang Merong	9732945251	Social worker	Pedong G.P.
135	Gopal Tamang	Lower Newang Merong	9593285314	Social worker	Pedong G.P.



136	Santosh Bardewa	Upper Newang Merong	8016635527	Social worker	Pedong G.P.
137	Uttam Tamang	Upper Newang Merong	8001407445	Social worker	Pedong G.P.
138	Bishnu nKr. Biswa	Upper Newang Merong	9933628950	Social worker	Pedong G.P.
139	Raju Pradhan	Lower Dalep	9735302120	Social worker	Pedong G.P.
140	Navin Pradhan	Lower Dalep	9800375201	Social worker	Pedong G.P.
141	Priya Pradhan	Lower Dalep	9800838657	Social worker	Pedong G.P.
142	Shanti Sharma	Lower Dalep	9679605302	Social worker	Pedong G.P.
143	Purnahang Subba	Lower Dalep	9635642645	Social worker	Pedong G.P.
144	Saran Tamang	Upper Dalep	9679270907	Social worker	Pedong G.P.
145	Ratan Tamang	Upper Dalep	9547103735	Social worker	Pedong G.P.
146	Rewati Sharma	Upper Dalep	8016632213	Social worker	Pedong G.P.
147	Binod Ruchal	Upper Dalep	9932775348	Social worker	Pedong G.P.
148	Cheten Bhutia	Upper Pedong	8116014168	Social worker	Pedong G.P.
149	Arjun Tamang	Upper Pedong	8116674076	Social worker	Pedong G.P.
150	Dipen Gurung	Upper Pedong	9932215795	Social worker	Pedong G.P.
151	Sandip Rai	Upper Pedong	9933864714	Social worker	Pedong G.P.
152	Subhadra Rai	Upper DIF Pedong	9933513811	Social worker	Pedong G.P.
153	Kiran Chettri	Upper DIF Pedong	9800009834	Social worker	Pedong G.P.
154	Pritika Lepcha	Lower DIF Pedong	8436508128	Social worker	Pedong G.P.
155	Amit Bardewa	Lower DIF Pedong	7797345307	Social worker	Pedong G.P.
156	Gopichand Sharma	Lolay G.P.	9932903874	Executive Assistant	Lolay G.P.
157	Kishan Sherpa	Lolay G.P.	8016482145	Sahayak	Lolay G.P.
158	Milan Rai	Lolay G.P.	9932744207	Karmee	Lolay G.P.
159	Rakesh Sharma	Doon	9547506508	Social worker	Lolay G.P.
160	Adip Khawas	Doon	7602067859	Social worker	Lolay G.P.
161	Teresa Rai	Takna	8918586185	Social worker	Lolay G.P.
162	Saran Rai	Upper Lolay	9635291647	Social worker	Lolay G.P.
163	Jason Rai	Upper Lolay	8972308604	Social worker	Lolay G.P.
164	Yogen Chettri	Lowe Lolay	8116584701	Social worker	Lolay G.P.
165	Dilip Dulal	Lowe Lolay	8768389427	Social worker	Lolay G.P.
166	Rajen Rai	Mool Pala	9933884350	Social worker	Lolay G.P.
167	Arun Rai	Mool Pala	9635757828	Social worker	Lolay G.P.
168	Man Bdr. Tamang	Mool Pala	9933042967	Social worker	Lolay G.P.
169	Uden Lepcha	Bara Dhajay	9609928646	Social worker	Lolay G.P.
170	Jiwan Rai	Bara Dhajay	7602420286	Social worker	Lolay G.P.
171	Bhim Subba	Chota Dhajay	8172087332	Social worker	Lolay G.P.
172	Santosh Subba	Relli Mission Tar	7076873109	Social worker	Lolay G.P.
173	Kharga V. Subba	Dalapchand G.P.	9800686795	Secretary	Dalapchand G.P.
174	Keepa Bhutia	Dalapchand G.P.	9749030227	Sahayak	Dalapchand G.P.
175	Pradeep Rai	Dalapchand G.P.	9932202629	Karmee	Dalapchand G.P.
176	Mani Kumar Rai	Dalapchand G.P.	9932412332	Karmee	Dalapchand G.P.
177	Pranay Basnet	Upper Dalapchand	8670235664	Social worker	Dalapchand G.P.

178	Pranay Bhutia	Upper Dalapchand	9083005193	Social worker	Dalapchand G.P.
179	Mahendra Rai	Lower Dalapchand	9635706899	Social worker	Dalapchand G.P.
180	Dhiren Rai	Lower Dalapchand	7047089522	Social worker	Dalapchand G.P.
181	Anang Lepcha	Bidyang	9932094891	Social worker	Dalapchand G.P.
182	Puran Rai	Bidyang	8967801623	Social worker	Dalapchand G.P.
183	Prakash Chettri	Kagay G.P.	9800113113	Executive Assistant	Kagay G.P.
184	Pawan Gurung	Kagay G.P.	9733261365	Sahayak	Kagay G.P.
185	Dinesh Rai	Kagay G.P.	9832334165	Karmee	Kagay G.P.
186	Nar Bahadur Manger	Kagay G.P.	9832381399	Karmee	Kagay G.P.
187	Tshering Nidu Bhutia	Kagay G.P.	9832329471	Karmee	Kagay G.P.
188	Ganesh Khatiwara	Gendong	8101180666	Social worker	Kagay G.P.
189	Rajesh Subba	Pabak	7365902822	Social worker	Kagay G.P.
190	Dipak Sharma	Pabak	8101180666	Social worker	Kagay G.P.
191	Nima Lepcha	Benda	8348204665	Social worker	Kagay G.P.
192	Dasrath Sharma	Benda	8101374278	Social worker	Kagay G.P.
193	Suren Rai	Duka	7872096920	Social worker	Kagay G.P.
194	Ta Tshering Lepcha	Duka	9932471339	Social worker	Kagay G.P.
195	Tikaram Chettri	Kagay Gerock	7602043617	Social worker	Kagay G.P.
196	Netra Kr. Rai	Kagay Gerock	8436742030	Social worker	Kagay G.P.
197	Prabin Rai	Maria	9733375173	Social worker	Kagay G.P.
198	Edbin Rai	Maria	8016169169	Social worker	Kagay G.P.
199	Rajen Rai	Rabek	9635765333	Social worker	Kagay G.P.
200	Sukman Rai	Rabek	9564293409	Social worker	Kagay G.P.
201	Umesh Pariyar	Lingsey G.P.	8436608616	Executive Assistant	Lingsey G.P.
202	Chandra Prasad Sharma	Lingsey G.P.	9932453317	Sahayak	Lingsey G.P.
203	Rajen Subba	Lingsey G.P.	9832310097	Karmee	Lingsey G.P.
204	Robin Rai	Tagathang	9800445015	MGNREGS Supervisor	Lingsey G.P.
205	Raju Chettri	Tagathang	9647871753	MGNREGS Supervisor	Lingsey G.P.
206	Pradeep Chettri	Dabaipani	8145160677	Ex-Army	Lingsey G.P.
207	N.B. Subba	Tagathang	9647871753	SHG	Lingsey G.P.
208	Tirtha Poudyal	Dabaipani	9832304637	SHG	Lingsey G.P.
209	I.M. Poudyal	Lingsey	7407337103	SHG	Lingsey G.P.
210	Arjun Subba	Dabaipani	7478471931	Asst. teacher	Lingsey G.P.
211	Homnath Niraula	Linsey	9832381404	Headmaster	Lingsey G.P.

### QRT Gorubathan

Name of the Gram Panchayat	Name, Address, Contact No. of Pradhan/ Resource Person. (ADMINISTRATOR)	Name, Address, Contact No. of G.P. Staff	Name, Address, Contact No of AWW	Name, Address, Contact No. of Health Assistant	Name, Address, Contact No. of MR Dealer	Name, Address, Contact No.of Pranibandhu	Name, Address Contact No. of KPS/Agr.
Pokhrebong	Biswajit Bhowmick, 8250124953	1. Shri Gopal Chhetri, EA-9800415418 2. Shri Arun Ghising, Secy-8972025902/9832058412	1. Smt Deepa Bhandari, Sup-9002266522	1. Smt Leela Chhetri, Pokhrebong G.P.-9733083774	1. Sri Sarjan Rana-9593654817 2. Ram Kumar Agarawal-8016462317	1. Sri Arjun Lama, A/A-8016468512	1. Sri Sajan Chhetri, ATM-7076556013
Samsing	Smt. Anjani Gupta-9733071984	1. Shri Sanjay Biswa ,Secy -9434956916 2. Shri Satyam Shilal, P/S-8900516357	1. Smt Ganga Sharma, Sup-9003585332	1. Smt Bibiyana Rai, 1st ANM-9474422450	1. Sri Sarjan Rana-9593654817 2. Om Kr. Pradhan-9546798512	1. Sri Ramesh Chhetri, A/A-9775819538	1. Sri Ravi Basor, ATM-9554933146
Kumai	Smt. Pema Lamu Bhutia-9434809415	1. Shri Binod Bhujel(Secy)-9434166423/03552202361 2. Bishal Bhujel P/S - 8016142328	1. Smt Aitamit Lepcha, Sup-9002567449	1. Smt Sabnam Sharma,1st ANM-94345992948	1. Sri Sarjan Rana-9593654817 2. Silan & Monika Gurung-9474748545	1. Shri Sherap Sherpa, Monra y F.V.-8900071983	.-do-
Gorubathan II	Saral Gurung,8597436710	1. Shri Rajendra Subba Secy -8016738779 2. Shri. Naresh Tamang, J/A-9002066906	1. Smt Deepa Bhandari, Sup-9002266522	1. Smt. Ananta Chhetri, 1st ANM-9832655260	1. Sri Sarjan Rana-9593654817 2. Tularam Gurung-7585985889	1. Prakash Lama, A/A-9775139162	1. Sri Bijoy Kalikotay, BTM-8768894520
Rongo	Gracema Lepcha C.I.9800524762	1. Sangeeta Lama,983239468 2. Shri Biswas Pariyar, P/S-9475705107/7602528247	1. Smt Ganga Sharma, Sup-9003585332	1. Smt. Ranjan Gurung, 1st ANM-947495149	1. Sri Sarjan Rana-9593654817 2. Dilmaya Pakhrin-8348734196	1. Santosh Subba, LDA-8601983426	1. Sri Phubu Tshering Bhutia, ATM-8116865898
Nim	Shri Ashesh Tamang -8436607561	1. Shri Subharaj Subba, Secy-9932735279 2. Shri Sujan Rai, P/S-9933547605	1. Smt Deepa Bhandari, Sup-9002266522	1. Shri Damber Rai HA(F)-7407257164	1. Sri Sarjan Rana-9593654817 2. P.D Bhutia-9547566671	1. Sri Bilan Rai, LDA-9593644960	1. Sri Sajan Chhetri, ATM-7076556013
Gorubathan-I	Smt. Anjani Gupta-9733071984	1. Shri Kamal Rana E/A-9734924075 2. Shri Bhaskar Yonzon, P/S-9475807059	1. Smt Deepa Bhandari, Sup-9002266522	1. Smt. Radhika Rai-8116494636	1. Sri Sarjan Rana-9593654817/ 2. K. Rana-9733102289	1. Sri C.P Chhetri-9679009518	1. Sri Bijoy Kalikotay, BTM-8768894520

Dalim	Smt. Pema Lamu Bhutia- 9434809415	1. Shri Yograj Subba,Sahayak- 9647712032 2. Dumkan Lepcha P/K - 8016325485	1. Smt Seema Das, Sup- 9434249255	1. Smt Renuka Rai, 1ST anm- 9775814046	1. Sri Sarjan Rana- 9593654817 2. Binay Kr. Singh- 7407577773	1. Sri C.P Chhetri- 9679009518	1. Sri Bijoy Kalikotay, BTM- 8768894520
Ahalay	Shri Ashesh Tamang - 8436607561	1. Shri Dip Prakash Gurung, EA- 8967197491 ,Pranab Ghosh, 9093500538, P/Sahayak	1. Smt Deepa Bhandari, Sup- 9002266522	1. Smt. Munna Lama,HA(F)- 9679110670 2. Anjana Chhetri,9563 773136	1. Sri Sarjan Rana- 9593654817/ 2. G. Biswakarma- 8001753371	1. Sri Ramesh Chhetri, A/A- 9775819538	1. Sri Bijoy Kalikotay, BTM- 8768894520
Paten Godak	Gracema Lepcha C.I.9800524 762	1. Shri Suren Biswa, EA- 7585083416 2. Shri Gopal Tamang, P/K- 9475616132	1. Smt Aitamit Lepcha, Sup- 9002567449	1. Sri. John Lepcha,HA( M)- 9474390336	1. Sri Sarjan Rana- 9593654817 2. B. Dewan- 9474085515 3. Satish Gupta- 9475513165	1. Shri Suman Chhetri, LDA- 9434679885	1. Sri Phubu Tshering Bhutia, ATM- 8116865898
Tode Tangta	Saral Gurung, 859 7436710	1. Shri Sangay Tshering Bhutia, Secy-9434377343 2. Smt Ambika Rasaily, P/S- 9475617072	1. Smt Aitamit Lepcha, Sup- 9002567449	1. Smt. Sangita Lama, 1st ANM- 9434970064	1. Sri Sarjan Rana- 9593654817 2. Nanda & N Rai- 9475911773	1. Shri Suman Chhetri, LDA- 9434679885	1. Sri Phubu Tshering Bhutia, ATM- 8116865898

## Annexure VIII

### *List of CD Volunteers*

**LIST OF PARTICIPANTS OF THE CIVIL DEFENCE BASIC COURSE HELD AT DISHA CENTRE ORGANISED BY THE DISTRICT MAGISTRATE'S OFFICE, KALIMPONG FROM 10.12.2018 TO 14.12.18.**

Sl.No.	Name of candidate	Date of Birth	Address	Contact No.
1	PramishaKafley	15.08.94	U/Echhey, 13 <sup>th</sup> Mile, Kalimpong	7365835070
2	AnjalaLepcha	10.03.96	Lungsel, Gorubathan	9083365528
3	NoorikaLecha	22.04.2002	Nimbong, Kpg I	8172028909
4	SadhnaRai	14.01.2002	Lolay Busty, Kpg	8145834526
5	AishwaryaBasnet	18.11.2000	Rousey Bazar, Kpg	9832410382
6	Ayushma Prasad	25.12.2000	MangalDara, Kpg	9547770644
7	ShrayaSubba	24.11.2001	L/Dungra, Kpg	8016357618
8	SakchiRai	20.02.2002	Jordhara, Kpg I	8436833681
9	RomiSundas	21.01.2002	ChottaBhalukhop, Kpg I	8967118351
10	LangripLepcha	15.05.2000	M/Bong Busty, Kpg I	9002210841
11	AyshaRai	14.07.2002	Ambiok Busty, Gorubathan	9002262933
12	NeehaChettri	06.05.2002	Pedong, Kpg II	7318728336
13	NamrataRai	07.10.1996	Gitdabling, KPG II	8597740698/ 7908869948
14	JubitaChettri	30.08.1993	Bong Khasmal, Kpg I	7584069240
15	Mamuni Barman	13.08.1996	U/Gumbahatta, Kpg	9679724790
16	PrayashPradhan	03.07.1998	Tindharia, Kurseong	7479207561
17	AbishekRai	30.03.1998	9 <sup>th</sup> Mile, Kpg I	9800746176
18	BishalBhujel	10.09.1997	Kolbong, Gorubathan	7363836788
19	Suraj Pal	14.11.1992	8.5 mile, Kalimandir, Kpg I	9126162997
20	Pemba TsheringBhutia	20.02.1982	Primtarn Road, Bong, Kpg I	9933023148
21	Sangdup Sherpa	06.06.1989	Takling Busty, Kpg I	7602219674
22	Shanti Rai	23.03.1981	Tarkhola, Rangpo, Kpg II	9547358305
23	SantabirTamang	07.01.1980	Teesta, Kpg I	8016018737
24	SiddhantTamang	03.11.2000	Teesta, Kpg I	8016018737
25	Ajay Biswakarma	30.09.1994	10 <sup>th</sup> Mile,Tripai Road, Kpg	7908324255
26	Surya Pradhan	04.03.1999	Teesta, DIF, Kpg I	9083174134
27	SiddhantPradhanNewar	06.02.1992	Near Kanchan Hall, Kpg	8509264127
28	Norden Sherpa	10.10.1994	C.K.Chowk, Kpg	8116214501
29	BikkiRasaily	20.12.1989	D.M.Moktan Road, Tripai, Kpg	7550859643
30	AshwinRai	02.12.2001	Takdah Cantonment, Darj	7340037241
31	AshowThapa	24.01.2003	Glenburn T.E., Darj	7047835479
32	Peter PrashantRai	11.05.2002	Rimbick Bazar, Darj	7047889580

33	Mukund Sharma	13.11.2001	Mangpoo, Darj	9775589259
34	Aatish Shankar	15.01.2001	Dr.Graham's Homes, Kpg	9641397104
35	AshisRai	01.01.2002	Todey, Gorubathan	7384334074
36	Prakash Shah	15.11.2000	Naxalbari, Darj	7602042326
37	LokeshThapa	16.03.2002	6 <sup>th</sup> Mile,Purbong Busty, Kpg I	7872939026/ 9083823689
38	WashimAkram	02.11.2001	Tripai Bazar, Kpg	6297451336
39	BiswasKhawas	16.08.2001	L/Maring Busty, Kurseong	9679107471
40	Sumit Singh	02.08.2001	Dist.Hospital Compound, Kpg	6296803500
41	PrajwalRai	01.05.2002	Tripai, Shanti Nagar, Kalimpong	8536080652
42	PasangC.Sherpa	01.03.2002	L/Bong busty, Kpg	7602234908
43	BiswashRai	26.04.2002	Pokhrebong, Darj	9002795053
44	PraweshChettri	18.05.2001	L/Tanek, Kpg I	8367802501
45	AbhinayRai	25.08.2002	L/Dungra, Kpg I	6295882550
46	AyushTamang	20.08.2002	Bong Busty, Kpg I	8670235141
47	PranayRai	02.02.2002	Git-Kolbong, Kpg II	8159986291
48	Sudan Ghimiray	28.01.2003	Munthum, Kpg I	7076010133
49	SumiranRai	22.10.2002	L/Dalapchand, Kpg II	9134461015
50	AnjanLepcha	11.12.2002	ChottaBhalukhop, Kpg I	8001130815
51	PemDorjilepcha	14.02.1999	Genpakha, Samtse, Bhutan	+97577313648
52	NikchenTamang	30.06.2002	Soreng, Darj	9093397838
53	SahilRai	09.10.2002	L/Dalapchand, Kpg I	8001367099
54	ChogyalBhutia	20.04.2002	Gitkolbong, Kpg II	7478484816
55	Rahul Prasad	01.04.1992	Relli Road, Kpg I	811636340
56	Manish Kumar Sharma	23.11.1997	Relli Road, Kpg I	8670664129
57	Azad Ali	05.10.1990	Relli Road, Kpg I	9679236716
58	Rohit Prasad	16.10.1995	Relli Road, Kpg I	9641070567
59	Tanuja Sharma	25.08.2002	Mungpoo,Darj	9775622354
60	AbishaKarki	13.04.2000	L/Bong Busty, Kpg I	7384231566
61	SaileshRai	08.09.1997	ChotaBhalukhop, Kpg I	7407519416
62	RajuSubba	06.05.1997	Berik Forest Village	8167059452
63	SajanMukhia	25.12.1993	Rambi Bazar, Kpg I	9002890478

## Annexure IX

**Important contact nos.ofKalimpong District including Armed Forces, NDRF,CISF,SSB**

### **IMPORTANT CONTACT NOS.OF KALIMPONG DISTRICT INCLUDING ARMED FORCES,NDRF**

Sl. No.	Name	Designation	Tel. & Fax No.	Mobile No.	e-mail id
1.	Dr. Vishwanath I.A.S.	District Magistrate Kalimpong	03552256942, 03552255264	7602975946	<a href="mailto:dmkalimpong2017@gmail.com">dmkalimpong2017@gmail.com</a>
2.	Shri Panicker Harishanker, I.A.S.	ADM(Gen), Kalimpong	-	8670387930	<a href="mailto:dmkalimpong2017@gmail.com">dmkalimpong2017@gmail.com</a>
3.	Shri Abdul Rakib Sheikh, W.B.C.S. (Exe)	ADM(Dev), Kalimpong	-	9475140298	
3.	Dr.Shevale Abhijit, I.A.S.	Sub-Divisional Officer, Kalimpong.	03552-255264	9434041444	<a href="mailto:sdokalimpong@gmail.com">sdokalimpong@gmail.com</a>
4.	Shri Gouri Sanker Bhattacharya W.B.C.S. (Exe)	OC Disaster management Section	03552-255276	9547112848	<a href="mailto:dmkalimpong2017@gmail.com">dmkalimpong2017@gmail.com</a>
5.	Shri Prakash Mrida	D.D.M.O.	03552-255276	9433482919/ 9123784375	<a href="mailto:dmskpg2017@gmail.com">dmskpg2017@gmail.com</a>
6.	Shri T.D. Bhutia	S.D.D.M.O.	03552-255276	9073936941/ 9932296883	<a href="mailto:dmskpg2017@gmail.com">dmskpg2017@gmail.com</a>
7.	Shri Prakash Bhusal	A.S.H.C.	03552-255276	9832043882	<a href="mailto:dmskpg2017@gmail.com">dmskpg2017@gmail.com</a>
8.	Shri Nailesh Darnal	A.S.H.C.	03552-255276	9679225665	<a href="mailto:dmskpg2017@gmail.com">dmskpg2017@gmail.com</a>
9.	Shri Bishnu Pd. Kafley	Group D	03552-255276	9932828590	<a href="mailto:dmskpg2017@gmail.com">dmskpg2017@gmail.com</a>
10	<b>Disaster Management Control Room</b>		<b>03552-256353/ 255276</b>		<a href="mailto:dmkalimpong2017@gmail.com">dmkalimpong2017@gmail.com</a>
11	Shri Nitesh Chettri		Driver, DMS		7407731723/ 9475568142

**OTHER IMPORTANT CONTACT NUMBERS**

<b>SI No.</b>	<b>NAME</b>	<b>DESIGNATION</b>	<b>CONTACT NO.</b>
1	Sri Dhurba Jyoti Dey	Superintendent of Police, Kalimpong	7719374550
2	Sri Sudeep Bhattacharya	D.S.P., D.I.B.	7719374553
3	Smt.Sarita Pariyar	D.S.P., D.E.B	8967886911
4	Sri Abhijit Choudary	D.S.P, HQ/Traffic	7719374552
5	Sri Tapas Singh Roy	RTO, Kalimpong,	9475411931
6	Sri Biswajit Das	ARTO, Kalimpong	96096 66883.
7	Dr.Nirupam Biswas	C.M.O.H., Kalimpong	7407247785
8	Dr.AnkanSimlandi	Kalimpong District Hospital	9647238868
9	Dr.S.B.Kundu	A.C.M.O.H, Kalimpong	8250010176
10	Dr.Titas Roy	B.M.O.H, Pedong BPHC	9874738842
11	Dr. R S Roy	BMOH, Jaldhaka	9433849766
12	Dr. Subhasish Manna	BMOH, Gorubathan	9851944955
13	Dr.Chandra Kumar Chhetri	BMOH Rambi	9434212410/9641259770
14	Dr. Tapas Kumar Roy	2 <sup>nd</sup> MO Rambi	9831030382
15	Lt.Col Vishal Sharma	OC 87RCC	8826866867
17	Sri M.K.Tamang	Station Officer W.B. Fire & Emergency Service, Kalimpong.	9733473987/8016091806
18	Sri. Suresh Tamang	Sub/Officer, W.B. Fire & Emergency Service, Kalimpong	9563079440
19	Kalimpong Fire Station	Fire Station Control Room	03552255450/03552255101
20	Sri. Dibyendu Sekhar Das	Executive Officer, Kalimpong Municipality.	9433955417
21	Dr. S.D Jimba	Health Officer Kalimpong Municipality.	9434886668
22	Sri M Rumba	Assistant Engineer Kalimpong Municipality.	8972030520
23		G.M. Telecom Siliguri	03532537555/9434011010
24	Sri Banibrata Maitra	SDOT Kalimpong	9434007333
25	Sri Dipak Kerketta	District Information & Cultural Officer Kalimpong	8116255247
26	Sri. A.Bhattacharya	Executive Engineer, PHE Neora Khola Water Supply	9474017870
27	Sri. T.K.Subba	Assistant Engineer, Neora Office	9832536446



28	Er. P.Pradhan	Exe. Engr.PHE DIV II Kalimpong/GTA	9933303489
29	Er.RajenPradhan	Assistant Engineer,PHE Div-II Kpg.	9434065365
30	Er. Sushil Sharma	Assistant engineer,PHE Div-II Kpg.	8900318793
31	ShriYogeshPradhan	Executive Engineer, Kalimpong	9800600611
32	K L Bhutia	Executive Engineer, PWD, Electrical	8145891013
33	Sri K.Vowal	Executive Engineer, PWD, Civil	9434257733
34	Sri Kapil Dahal	Executive Engineer, PWD, Irrigation	7001714123
35	Smt.AngelaBhutia	Divisional Manager,Forest Dev. Corporation,Kalimpong.	9434871233
36	N.T. Bhutia	D.F.O. Kalimpong Soil Conservation	9434873536/7908529644
37	Smt.Presika Moktan	DCFS , Kalimpong	7865001655/892793170
38	Sri Anup Kr. Maity	Executive Engineer of NH-10	9434336881
39	Sri UttamPradhan	Asst.Engineer, NH-10	9434174666
40	<del>Sri AdityaGoutam</del>	<del>Chief Engineer,NHPC TLD-III</del>	<del>9816503059</del> (Transferred)
41	Sri Rajesh Kumar	Sr. Manager, NHPC TLD-III	9002003551
42	Sri PingalKispotta	Sr. Manager(HR),TLD-III,NHPC	9800848008
43	Sri Praveen Kumar	Manager(c)TLD-III,NHPC	9800014690
44		Control Room-NHPC TLD-III	9933355187/9933355186
45	Sri Phurden Sherpa	Div. Manager,WBSEDCL	7449301260/8967843606
46	Sri DebapriyaPurkait	Assistant Geologist, SWID	9432865814
47	Sri Jigme Sherpa	AI of Schools, Secondary	9734970277
48	Sri DeepanjanNaskar	BDO Kalimpong-I	7797378654
49	Smt.SubarnaMajumdar	BDO Kalimpong-II	7797378655
50	Sri Biswaranjan Chakraborty	BDO-Gorubathan	7551088808
51	Sri Subhasis Chaki	IC, Kalimpong	9733110198
52	Sri PrajwalR.J.Pradhan	OC, Gorubathan	9733123332
53	Sri NilanSanjeevKujur	OC, Jaldhaka	9564805283
54	Smt.KaberiSubba	BDMO, Kalimpong-I	9733031588
55	Sri LhawangDukpa	BDMO, Kalimpong-II	9733086584
56	Smt.Pema Bhutia	BDMO in Charge, Gorubathan	9073938777/7908944530
57	Sri Sonam Tsewang	ADA Fisheries, Kalimpong	8116752619

**Contact No. of Army, NDRF, CISF, SSB, GREF**

Sl.No	Name or Designation	Department	Contact No.	Email
1	Col.Manish Kumar	27 Mtn Div, Durpin, Kalimpong	9461406237	Manish95code@gmail.com
2	Deputy Commandant, NDRF	B Coy, 2 <sup>nd</sup> Btn, Matigara	9474061104	
3	Asstt. Commandant	CISF, NHPC-TLDP III/IV	8016880889	
4	Inspector	CISF, NHPC-TLDP III/IV	9674114716	
5	Inspector	CISF, NHPC-TLDP III/IV	8170019520	
6	a)Commandant b)Control Room	46 Btn, SSB, Malbazar	a)9434756339 b)9775442746	a) <a href="mailto:comdt.46bn@ssb.gov.in">comdt.46bn@ssb.gov.in</a> b) <a href="mailto:ctrl.46bn@ssb.gov.in">ctrl.46bn@ssb.gov.in</a>
7	Maj Vishal Dogra	OC 87 RCC, Melli	7009977474	
8	Capt.Manumay Bisht	GREF Lava & Algarah	8290421616	
9	Sri Sushil Kumar	AEE(Civil) 764 BRTF, Happy Villa	9436871964	
10	Sri Roshan Kumar	AEE(Civil), Dalim & Phaperkheti	9006088317	

**Kalimpong I Block**

Sl.No	Name or Designation	Department	Contact No.	Email
1	BDO, Kpg I	Block Development Office, Kalimpong-I	7797378654 <b>03552-256750</b>	kalimpong1bdo@gmail.com
2	Joint BDO, Kpg I	- Do -	7602494212/ 9434688899	
3	BDMO, Kpg I	- Do -	8327268074	findcauvery@yahoo. com
4	O/c, Kpg Police Station	P.S.Kalimpong	255268,255100	
5	BMOH, Kpg I	B.P.H.C,Rambi	9434212410/ 9641259770	
6	ADA, Kpg I	Agriculture Office, Kalimpong-I	03552255529	
7	BLDO, Kpg I	Seed Farm, Dungra	9832332715	
8	AE, WBSEDCL	Power House,10 <sup>th</sup> Mile	255855,255420	
9	JTO, Kpg	Thana Dara, Kalimpong.	255202, 9475359545	
10	Range Officer	Kalimpong Forest Division	255780, 255783	

11	Inspector(Food & Supply), Kpg I	Food & Supply Office, Kalimpong	255285 (0), 9832315931	
12	LPG Distributor,Kpg	Rinchen Gas, Main Road	255492	
13	Petrol Pump,Kpg I	Tashi Delek Service,8 <sup>1/2</sup> Mile	9434106749	
14	Some selected NGOs	i)Hill Social Welfare society ii)Red Cross Society iii)World Vision iv)Save the hills	Kalimpong Hill Top Road, Kalimpong Gumba Hatta	9333135795 9733006300 9832093745

#### Kalimpong II

Sl.No	Name or Designation	Department	Contact No.	Email
1	BDO, Kpg II	BDO Office,Algarah,P.O. Algarah	7797378655	<a href="mailto:bdoalgarah@yahoo.com">bdoalgarah@yahoo.com</a>
2	Joint BDO, Kpg II	- Do -	03552-280222, 9614704935	
3	Joint BDO, Kpg II	- Do -	9932926217	
4	BDMO	- Do -	9733086584	
5	1)O/C,Police Post, Algarah 2)O/C Police Post, Pedong 3)O/C Police Post, Ramphu	Algarah Bazaar  Pedong  Rangpoo	6294034515  9733096342  7001237878	
6	BMOH	BPHC Pedong,P.O.Pedong	9434196783	<a href="mailto:bmoh_pedong@wbhealth.gov.in">bmoh_pedong@wbhealth.gov.in</a>
7	MO Algarah	Algarah	9126978652	
8	MO Pedong	Pedong	7602208860	
9	MO Gitdabling	Gitdabling	9932006266	
10	MO Munsong	Munsong	7044572001	
11	ADA, Kpg II	Office of the ADA,P.O.Algarah	9832654214	
12	BLDO, Kpg II	Office of the BLDO	9775964597	
13	Asst. Engineer, WBSEDCL  SM (area in charge),WBSEDCL	Kalimpong  Algarah	9434213343  9635237749	
14	Telephone	Algarah Exchange	9002791577	

15	Range Manager GRM Forest Incharge	Pankhasari Range Office, P.O.Algarah	9734017408 8972287740 9733061416	
16	Inspector(Food & Supply)	East Main Road,Kalimpong	9800063788	
17	LPG Distributor	Campaign Ground, P.O.Pedong	9832239661	
18	1)Animator,Anugyalaya, Lava-Gitkolbong 2) Animator,Anugyalaya, Gitdabling 3) President,Ekta Pariyar, Kharkagaon	Gitkolbong,P.O.Lava  Gitdabling  Kharkagaon,P.O.Algarah	9933982855   9933474914	<a href="mailto:sudeepjerome@gmail.com">sudeepjerome@gmail.com</a>   <a href="mailto:anugyalaya@gmail.com">anugyalaya@gmail.com</a>

#### Gorubathan

Sl.No	Name or Designation	Department	Contact No.	Email
1	B.D.O	BDO Office Gorubathan	7551088808, 03552222008	<a href="mailto:bdogorubathan@gmail.com">bdogorubathan@gmail.com</a>
2	Joint B.D.O	- Do -	7551042508	
3	B.D.M.O-in- charge	- Do -	9800524762	
4	Team Leader,QRT:	- Do -	9800524762	
5	O/C, Police Station, Gbn	Gorubathan	8116424644	
6	O/C, Police Station, Jaldhaka	Jaldhaka	9083270423,9475820353	
7	B.M.O.H	Gorubathan	9851944955	
8	B.M.O.H	Jaldhaka	8145931264	
9	B.L&LRO	Gorubathan	9748216779	
10	ADA, Gorubathan	Agriculture	8759154165	<a href="mailto:adagbn@gmail.com">adagbn@gmail.com</a>
11	CDPO	ICDS	9474393923	
12	BLDO	ARD	9434474505	
13	SM & AE	WBSEDCL, Odlabari	7449301320	
14	J.T.O.	Telephone Exchange, Malbusty	9475392060	<a href="mailto:sdekpg@gmail.com">sdekpg@gmail.com</a>
15	Range Officer Neora	Gorubathan	8348100836	

16	Inspector (Food & Supply)	Gorubathan	9434366863	
17	LPG Distributor	Malbazar	9434340042	
18	LPG Distributor	Gorubathan	8016456919	
19	Petrol Pump	Malbazar	03562255074	
20	1.Anugyalaya 2. Himalayan Media Welfare Society	Gorubathan	9800039420, 9775276773	

**Contact Nos. of Councillors, Kalimpong Municipality**

18/04/18

Name	Ward No	Designation	Contact No.
Shri Rabi Pradhan	III	Chairman	8250431268
Shri Bhim Agarwal	IX	Vice-Chairman	80161 88996
Shri Kunal Pradhan	I	Councillor	89722 20526
Smt. Tshering Yangzo Bhutia	II	Councillor	9335 99944
Shri GOC Phipon	IV	Councillor	98000 12159
Smt. Dhan Laxmi Tamang	V	Councillor	90020 02359
Smt. Nirupa Baraily	VI	Councillor	7908128100
Smt. Bimla Chhetri	VII	Councillor	96794 57629
Shri Sonam Tsewang Bhutia	VIII	Councillor	731865239 7076769150
Shri Suva Pradhan	X	Councillor	98323 71411
Smt. Babita Chourasia	XI	Councillor	99323 73229
Shri Ashif Ahmed	XII	Councillor	95479 41686
Shri Nimesh Lama	XIII	Councillor	80169 67883
Shri Edward Lepcha	XIV	Councillor	94753 94836
Smt. Ratna Pakhrin	XV	Councillor	84367 11887
Shri Indra Bdr Gazmer	XVII	Councillor	81458 64226
Smt. Munna Lama	XVIII	Councillor	90027 91316 94749 86501
Smt. Suryasri Ghimiray	XIX	Councillor	87591 97587
Shri Sonam Palden Bhutia	XX	Councillor	76029 17576
Shri Passang Tshering Sherpa	XXI	Councillor	90022 10450
Shri Phup Tshering Tamang	XXII	Councillor	76991 56080
Ms. Lamu Tshering Bhutia	XXIII	Councillor	99326 60123



## Annexure X

### LIST OF FLOOD SHELTERS/ RELIEF GODOWNS UNDER KALIMPONG DISTRICT :

Name of the Block	Flood Shelters	Godowns	Year of Construction	Coordinates
Dist. HQ	Nil	1	1999	DM office premises Lat : 27.0637 Long: 88.4669
Kalimpong I	Nil	1	2000	Office premises Lat : 27.0649 Long: 88.4699
Kalimpong II	Nil	1	2000	Office premises Lat : 27.1173 Long: 88.5860
Gorubathan	Nil	1	2013	Office premises Lat : 26.9557 Long: 88.6979

Photos of Mega Mock Exercise of 10<sup>th</sup> Oct.2018





## Mock Exercise of 1<sup>st</sup> Mar.2019 regarding Earthquake & Landslide

