



## **District Disaster Management Plan**

**(2016)**

**Name of the District: Namchi, South District**

**TELEPHONE NUMBER: 03595263734(O)**

**Fax No: 03595264734**

**Emergency Operation Centre: 03595264442**

## **DISTRICT DISASTER MANAGEMENT PLAN 2016**

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## **INTRODUCTION**

Disaster refers to a serious disruption of the functioning of a society, causing widespread human, material, or environmental loss, which exceeds the ability of the affected society to cope using its own resources. In other words, it is the occurrence of a sudden mishap/ calamity/ grave occurrence that disrupts the basic fabric and normal functioning of a society (or community)

## **AIMS AND OBJECTIVES OF THE PLAN**

The State of Sikkim which is located in the Himalayas falls in the Seismic Zone IV and highly prone to devastating disasters like earthquakes. The recent earthquake of Magnitude 6.8 which struck the state caused widespread damage to life and property and disrupted the normal functioning of the society for quite some time. In the aftermath of the disaster, lots of lessons have been learnt for effective handling of such disasters so that in future if such a disaster occurs again, the state and district administration will quickly be able to tackle the situation and restore normalcy in the minimum possible time. The District Disaster Management is thus an endeavor in that direction and it is hoped that the plan will serve as a bible in the times of disaster. The Disaster Management Plan has been made as comprehensive as possible and should serve as guide book to all the District officials and personnel in times of disaster. It has defined the roles and responsibilities of each and every department so that there is effective coordination and cooperation when disaster strikes. Disaster Mitigation and Prevention is the other key component of the Plan. It is through better planning for prevention that many natural and manmade disaster can be prevented or the severity of the disaster can be lessened to a great deal. The DDMP lists out the roles that are to be carried out by each department in the disaster for better disaster preparedness.

## **MANDATORY PROVISIONS OF THE PLAN**

Under Section 31 of DM Act -2005 The District Plan:

1. There shall be a plan for disaster management for every district of the State.
2. The District Plan shall be prepared by the District Authority, after consultation with the local authorities and having regard to the National Plan and the State Plan, to be approved by the State Authority.
3. The District Plan shall include-
  - a. the areas in the district vulnerable to different forms of disasters;
  - b. the measures to be taken, for prevention and mitigation of disaster, by the Departments of the Government at the district level and local authorities in the district;
  - c. the capacity-building and preparedness measures required to be taken by the Departments of the Government at the district level and the local authorities in the district to respond to any threatening disaster situation or disaster;
  - d. the response plans and procedures, in the event of a disaster, providing for
    - i. allocation of responsibilities to the Departments of the Government at the district level and the local authorities in the district;

- ii. prompt response to disaster and relief thereof;
  - iii. procurement of essential resources;
  - iv. establishment of communication links; and
  - v. the dissemination of information to the public;
  - vi. such other matters as may be required by the State Authority.
4. The District Plan shall be reviewed and updated annually.
  5. The copies of the District Plan referred to in sub-sections (2) and (4) shall be made available to the Departments of the Government in the district.
  6. The District Authority shall send a copy of the District Plan to the State Authority which shall forward it to the State Government.
  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.

#### **INSTITUTIONAL ARRANGEMENT FOR DISASTER MANAGEMENT**

Sl No.	Name	Designation	Department	Contact No	Fax No.
1.	Raj Yadav, IAS	District Collector	Land Revenue & Disaster Management	7063592011	03595264734
2.	Tenzing Loden Lepcha, IPS	Superintendent of Police	Police Department	70633088075	03595264629
3.	Subash Das Rai	Addl. District Collector	Land Revenue & Disaster Management	03595263808 (O) 9434127259 (M)	

4.	Bimal Chandra Rai	Sub-Divisional Magistrate, Namchi	Land Revenue & Disaster Management	03595264582 (O) 9734946292(M)	
5.	P.K. Rai, SCS	Sub-Divisional Magistrate, Jorethang	Land Revenue & Disaster Management	9434103462	
6.	BenuGurung, SCS	Addl. District Collector(Dev)	Rural Management& Development Department	9434117309	
7.	B.K. Rai, SCS	Sub-Divisional Magistrate, Ravangla	Land Revenue & Disaster Management	9474357771	
8.	TenzingDorjee, SCS	Sub-Divisional Magistrate, HQ, Namchi	Land Revenue & Disaster Management	9434022257	
9.	Dr D S Keruongi	Chief Medical Officer	Health care, Human Service & Family Welfare	9434136948	
10.	M.K. Rai	Joint Director	Human Resource & Development Department	9434203680	
11.	T Gyatso	Bazaar Officer	Urban Development & Housing Department	8972549404	
12.	SonamBhutia	Divisional Engineer	Building & Housing Department	9733017987	
13.	B L Dahal	Joint Director	Hortuculture	9434183980	
14.	Milan Pradhan	Superintendent Engineer	Roads & Bridges Department	9434103371	

15.	Tilotama Bajgai	Joint Director	Animal Husbandry & Veterinary Science Department	9434033008	
16.	Sangay Kazi	DFO(T)	Forest & Wildlife Management Department	9593773140	
17.	I.K Rai	Station House Officer	Fire & Emergency Service	9434356552	
18.	JigmeBhutia	Superintending Engineer	Energy & Power Department	9800033330	
19.	Kumar Gurung	Assistant Engineer	Irrigation & Flood Control Department	7550848079	
20.	M.K Rai	Divisional Engineer	Water Security & Public Health Engineering Department	9800184196	
21.	Rama Hang Subba	RTO	Motor Vehicle	9609866077	
22.	Arjun Rai	DCSO	Food & Civil Supplies	9933889270	
23.	Sunil Mothey	District Planning Officer	South District Zilla Parishad	9593975437	
24.	Urmilla Gurung	DIO	IPR Department	7551051895	
25.	Abhishek Kharel	Training Officer	Land Revenue & Disaster Management	7602945676	

### **DISTRICT CONTROL ROOM (DCR)**

The District Control Room (DCR) will operate round the clock under the authority of the District Collector and will be the nerve centre to

1. Monitor
2. Coordinate
3. Implement all activities related to Disaster Management

In the event of Disasters, the DCR will immediately come under the operation of the District collector or in his absence the next highest revenue functionary in the state. The District Collector shall issue all directives to the department in the district through the control room to coordinate the emergency response service. All Official of the Department will have to report to the District Control Room as soon as possible in the event of a major disaster. The DCR will acts as the node for communication with the State Response Machinery including the State Emergency Operation Centre, the Relief Commissioner and to the Media. It will be the single point for dissemination of information from the district.

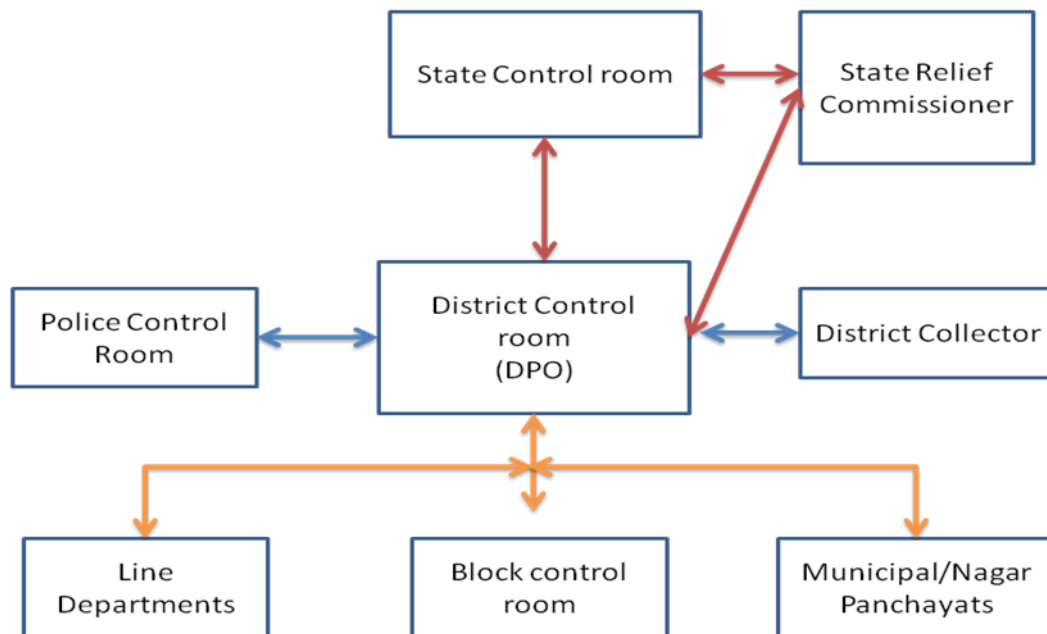
In normal times, the DCR will be under the supervision of the District Project Officer (DPO), Disaster Management. The DPO will ensure round the clock operation of the DCR through the Quick Repose Team (QRT) member. All data which is sent from the field functionaries including reporting of all disaster will be logged in the Control Room. Any report of data on disaster in the district will then be disseminated from the Disaster Control Room. The staff manning the control room should be adequately trained on the Standard Operating Procedures (SOPs) of manning the control room both in normal and times of disaster.

The DCR contact numbers and fax are given below.

S.No	Name	Fax	Phone	Mobile
1.	Emergency Operation Center	264734	03595-264442	
2.	District Collector	264734	03595-263734	
3.	ADC		03595263808	8116012999
4.				
5.	SDM, Namchi		03595264582	9734946292
6.	Asst DMS cum TO		03595264442	7602945676

## INFORMATION FLOW CHART

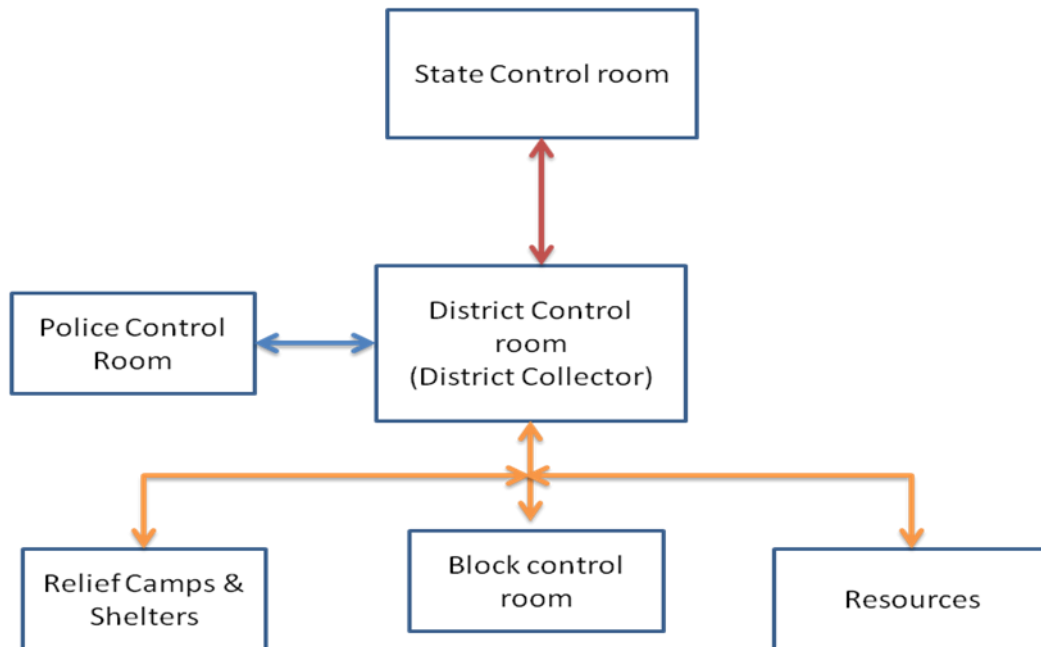
### DURING NORMAL TIMES



During Normal times, The District Control room will function under the control of the District Project Officer (Disaster Management) under the close supervision of the District Collector. All information regarding disaster will be routed through the District Control Room.



## DURING DISASTERS



During the times of Disaster, the District Control Room shall immediately come under the supervision of the District Collector and it will be the single point of command, coordination and control.

## FUNCTIONING OF THE DISTRICT CONTROL ROOM

Time Frame	Activities
Normal Time	<ol style="list-style-type: none"> <li>i. Ensure that all warning and communication systems, instructions are in working condition</li> <li>ii. Receive information on a routine and regular basis from the departments on the vulnerability of the various Gram panchayats and Villages to disaster</li> <li>iii. receive reports on preparedness from the relevant district level departments and other departments, as per as the formats. Based on these reports, the DEOC will forward the Preparedness Measures detail on behalf of the Collector to the State Control Room, Relief Commissioner</li> <li>iv. Upgrade and update District Control Room system according to changing scenarios in the district update data bank and maintain an inventory of resources.</li> <li>v. Update all information on the SDRN / IDRN.</li> <li>vi. Inform State Control Room, Relief Commissioner of any changes including updating of data bank and annexure</li> <li>vii. Monitor preparedness measures including simulation exercises undertaken by various departments.</li> <li>viii. Ensure proper dissemination of information about District Control Room System at the district level, local level and disaster prone areas.</li> <li>ix. Identify appropriate NGOs/Private Sector Organizations, which can be assigned the task of community level preparedness.</li> <li>x. Organize post-disaster evaluation and update District Control Room System accordingly</li> <li>xi. Prepare reports and documents on district level disaster events and submit the same to State Control Room, Relief Commissioner.</li> <li>xii. Mapping of vulnerable areas</li> <li>xiii. Database on civil society organizations and their activities</li> <li>xiv. Facilitate regular meetings of civil society organizations and issue updates</li> <li>xv. Office District level training of officials and NGOs in emergency response</li> </ol>

Disaster Time	<ul style="list-style-type: none"> <li>i. Weather tracking and early warning dissemination</li> <li>ii. To collect and transmit information regarding matter relating to natural calamity.</li> <li>iii. Flow of information to State control room in Relief Commissioner's</li> <li>iv. Coordination meeting with officials at District Control Room in each 12 hours interval to monitor the situation.</li> <li>v. Checking lines of communication in the district and switching to alternative methods of communication if required.</li> <li>vi. Alerting CDMO/Line Department /Field Official to remain in readiness to gear up into action immediately after abatement of crisis</li> <li>vii. Immediate freezing of reasonable POL stock with different Petrol Pumps</li> <li>viii. Rescue operation/ Evacuation by teams (already identified) providing infrastructural facility and movement to rescue centers.</li> <li>ix. Management of Rescue shelters</li> <li>x. Monitoring Disaster Management by ensuring a line of Control through Police &amp; Paramilitary forces, Fire services, Civilians, NGOs and Essential Service Departments by District Collector.</li> <li>xi. Daily stock of the situation by District Magistrate and Addl.District Magistrate</li> <li>xii. Administration of Relief</li> <li>xiii. Preparation of Daily Situation Report</li> <li>xiv. Ensuring steps to tackle rumor mongering and fear psychosis among the citizens</li> <li>xv. Information Dissemination and media management, issue or press releases on the current situation on the ground</li> <li>xvi.</li> </ul>
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Types of Disasters: (Envisaged by the District)

Sl No	Natural	Manmade
1	Earthquake	Fire-House/ Forest
2.	Flashflood	Accident
3.	Landslide	Epidemics
4.	Hailstorm/ Whirlwind	Chemical Disaster
5.	Lightening/ Thunderstorm	
6.	Drought	

## OVERVIEW OF SOUTH DISTRICT

Description	2011	2001
<b>Actual Population</b>	<b>146,742</b>	<b>131,525</b>
Male	76,663	68,241
Female	70,079	63,284
<b>Population Growth</b>	<b>11.57%</b>	<b>33.39%</b>
Area Sq. Km	750	750
<b>Density/km2</b>	<b>196</b>	<b>175</b>
Proportion to Sikkim Population	24.15%	24.32%
<b><u>Sex Ratio (Per 1000)</u></b>	<b><u>914</u></b>	<b><u>927</u></b>
<u>Child Sex Ratio (0-6 Age)</u>	<u>948</u>	<u>969</u>
<b><u>Average Literacy</u></b>	<b><u>82.06</u></b>	<b><u>67.31</u></b>
<u>Male Literacy</u>	<u>87.06</u>	<u>74.29</u>
<u>Female Literacy</u>	<u>76.57</u>	<u>59.72</u>
<b><u>Total Child Population (0-6 Age)</u></b>	<b><u>15,070</u></b>	<b><u>20,674</u></b>
<u>Male Population (0-6 Age)</u>	<u>7,737</u>	<u>10,500</u>
<u>Female Population (0-6 Age)</u>	<u>7,333</u>	<u>10,174</u>
<b><u>Literates</u></b>	<b><u>108,054</u></b>	<b><u>74,614</u></b>
<u>Male Literates</u>	<u>60,007</u>	<u>42,895</u>
<u>Female Literates</u>	<u>48,047</u>	<u>31,719</u>
<b><u>Child Proportion (0-6 Age)</u></b>	<b><u>10.27%</u></b>	<b><u>15.72%</u></b>
<u>Boys Proportion (0-6 Age)</u>	<u>10.09%</u>	<u>15.39%</u>
<u>Girls Proportion (0-6 Age)</u>	<u>10.46%</u>	<u>16.08%</u>

Proportion of South Sikkim



Description	Rural	Urban
<b>Population (%)</b>	<b>85.63 %</b>	<b>14.37 %</b>
<b>Total Population</b>	<b>125,653</b>	<b>21,089</b>
Male Population	65,887	10,776
Female Population	59,766	10,313
<b>Sex Ratio</b>	<b>907</b>	<b>957</b>
Child Sex Ratio (0-6)	956	891
<b>Child Population (0-6)</b>	<b>13,166</b>	<b>1,904</b>
Male Child(0-6)	6,730	1,007
Female Child(0-6)	6,436	897
<b>Child Percentage (0-6)</b>	<b>10.48 %</b>	<b>9.03 %</b>
Male Child Percentage	10.21 %	9.34 %
Female Child Percentage	10.77 %	8.70 %
<b>Literates</b>	<b>91,240</b>	<b>16,814</b>
Male Literates	51,072	8,935
Female Literates	40,168	7,879
<b>Average Literacy</b>	<b>81.11 %</b>	<b>87.64 %</b>
Male Literacy	86.33 %	91.46 %
Female Literacy	75.32 %	83.68 %

### **WHO FORMULATES & CARRIES OUT THE PLAN & WHEN-?**

The DISTRICT DISASTER MANAGEMENT COMMITTEE (DDMC) has been formed under the Chairmanship of District Collector to evaluate the Disaster Preparedness for different type of Calamities at different times over a year that may occur. The Committee is the Pioneer Committee in the District to take stock of the situation, monitor routine preparedness, suggests improving response mechanism and develops a document for disaster management in the District.

The Committee members are as follows:

Sl No.	Name	Designation	Department	Contact No	Fax No.
1.	Raj Yadav, IAS	District Collector	Land Revenue & Disaster Management	7063592011	03595264734
2.	Tenzing Loden Lepcha, IPS	Superintendent of Police	Police Department	70633088075	03595264629
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## **OPTIMUMIZATION OF STRATEGY**

- Optimum strategy is to be maintained by framing a District Disaster Management Plan to minimize loss of life and property.
- Officials from District Administration, Public, NGOs, CBOs, and Interest groups are monitored to stand in interaction with a view to play a major role in Disaster Mitigation.
- Broadly it has been divided into three major strategies: -

- a) PRE DISASTER
- b) DURING DISASTER
- c) POST DISASTER.

### **1. PRE DISASTER i.e. Preparedness in “No – Disaster situation”**

- a. Formation of District Disaster Management Committee.
- b. Formulation of District Disaster Management Plan for the current year.
- c. Hazard Analysis & Resource Inventory.
- d. Allocation of responsibilities to the individuals/Groups/Institutions/
- e. Organizations/Voluntaries.
- f. Broadly defining the responsibilities and operational Functions.
- g. IEC Programme.
- h. Training and capacity building
- i. Logistic arrangement-Safe shelters (immediate/permanent), Food items like Rice, Chura
- j. Communication network like wireless system/VHF, HAM-Radio, V-Sat, light Vehicle,
- k. Heavy vehicle, Fire Brigades Bull Dozers etc.

### **2. DURING DISASTER**

- 1. Functioning of District Control Room [DCR] & other Sub-Divisional/GP /Line Departmental Control Rooms.
- 2. Dissemination of Warning/Information through RS/ARS and other field functionaries.
- 3. Coordination meeting with officials at District Control Room regularly.
- 4. Alerting CMO/Line Department /Field Official to remain in readiness to gear up into action immediately after abatement of crisis.

5. Immediate freezing of reasonable POL stock with different Petrol Pumps.
6. Rescue operation/ Evacuation by teams (already identified) providing infrastructural facility and movement to rescue centers.
7. Management of Rescue shelters.
8. Monitoring Disaster Management by ensuring a line of Control through Police & Paramilitary forces, Fire services, Civilians, NGOs and Essential Service departments by District Collector.
9. Daily stock of the situation by District Magistrate and Addl. District Magistrate.
10. Administration of Relief.
11. Preparation of Daily Situation Report.

### **3. POST DISASTER**

1. Assessment & enumeration of damage.
2. Distribution of Relief / Emergent Reliefs.
3. Monitoring Relief Operation organized by outside agencies /UN Agencies/Red Cross/ NGOs / PSUs / other states etc through District Administration.
4. Restoration of Communication - Roads & Bridges
5. Restoration of Electronic communication system.
6. Immediate arrangement of free kitchen in the cutoff/shelter camps and inaccessible areas.
7. Ensuring transportation of Relief Materials to affected areas.
8. Ensuring safeguarding of belongings of the evacuees.
9. Maintenance of Law & Order
10. Ensuring safe availability of Drinking water.
11. Provision of Medical facilities and Minimum sanitation.
12. Removal of debris and disposal of carcasses.
13. Helping the evacuees to return to their homes.
14. Special care to Children, Lactating Mothers, Old & infirm.
15. Meeting Officers of both Districts level and Field level in every 24 hours to take stock of the situation.
16. Collection of information by core groups of DAC headed by ADC and SDMs and submission of Daily report to the Government.
17. Documentation of the entire event – Black & white/Audio & Video

## **INSTITUTIONAL ARRANGEMENT AT THE DISTRICT LEVEL**

### **RESPONSIBILITIES OF THE COLLECTOR, SP, ADM, CDMO, CDVO, PHD, IRRIGATION & OTHER LINE DEPARTMENTS**

1. Assigning specific responsibilities to different agencies
2. Coordination with all the line departments & other agencies
3. Liaison with Rev. Control Room/ /SRC
4. Ensure availability of Vulnerability map of the Sub Division / GPUs
5. Have a list of Resource Inventory, Capacity analysis
6. List of cut off areas with safe route map for communication.
7. List of storage facilities, dealers of food.
8. Control room setup/assignment of control room duty.
9. Pre-positioning of staff for site operation centers
10. Pre-positioning of staff for site operation centers
11. Arrangement of vehicles for evacuation.

### **SUPRINTENDENT OF POLICE**

1. Communication establishment with the District/ Sub-Divisional/ Block/GPU Control Rooms.2
2. Overall traffic management and patrolling of all highways and other access roads to disaster sites
3. Identification of antisocial elements
4. Provision of security in transit camps/feeding centers/relief camps/cattle camps/cooperative food
5. Stores and distribution centers
6. Providing assistance to district authorities for taking necessary action against hoarders, black.
7. Marketers and those found manipulating relief material.
9. Coordination with SDRF(State Disaster Response Force)
10. Providing assistance to the community in organizing emergency transport or injured.

### **Civil Supplies Officer**

1. Identification of Block & District Head Quarter.
2. Keeping list of Whole sell traders of local market.
3. List of storage agent's with quantity of monthly allotment & uptake.
4. Detail data on beneficiary /BPL scheme
5. List of Petrol pump dealer.
6. List of Medical Shops.
7. Diversion of essential commodities to affected pockets as & when requisition.

### **Chief Medical Officer**

1. Communication establishment with District and Sub Division/GPs control rooms and departmental offices within the division
2. An officer to be appointed as nodal officer Stockpiling of life saving, anti-diarrhoeal drugs, de-toxicants and anesthesia adequate drinking water available at all times to handle emergency casualties.
3. Strengthening of disease surveillance formation of mobile units and ensure communication with them identification of sites in probable disaster areas for site operation areas.
4. Awareness generation all staff informed about the disasters, likely damages and effects.

### **PHED/ RURAL WATER SUPPLY & SANITATION DEPTT**

1. Communication establishment with District and Sub Division control rooms and departmental offices within the division
2. An officer to be appointed as nodal officer
3. Arrangement of water tankers and other temporary means of distribution and storage water
4. Adequate arrangement to provide water to relief camps/affected villages, alternate water supply arranged in feeding centers
5. Disinfections of water bodies
6. Identification of appropriate potable water supply
7. All staff informed about the disasters, likely damages and effects

### **IRRIGATION & FLOOD CONTROL**

1. Communication establishment with District, Sub Division/GPs Control Rooms and departmental offices within the district.
2. An officer to be appointed as nodal officer.
3. Activation of Flashflood monitoring mechanism
4. Methods/ communication arrangement of alerting officers on various sites established
5. Mechanism evolved for forewarning settlements in the downstream/evacuation/coordination with other dam authorities
6. Water level gauges marked
7. Inlet and outlet to tanks are cleared
8. An officer to be appointed as nodal officer

### **AGRICULTURE**

1. Communication establishment with District and Sub Division/GPs Control Rooms and departmental offices within the division
2. An officer to be appointed as nodal officer
3. Information provided about the disaster and likely damages to crop and plantation
4. Organized transport, storage and distribution of seeds/fertilizers/pesticides

5. Cleaning operation carried out to avoid waterlogging and salinity
6. Surveillance for pests and diseases being carried out.
7. Establishment of public information centers requirements for salvage or re-plantation assessed damage
8. Identification of different areas to be affected by different hazards
9. Listing of irrigation sources with status
10. All staff should be informed about the disasters, likely damages and effects.

### **PUBLIC WORKS DEPARTMENT**

1. Communication establishment with District & Sub-Divisional Control Room
2. An officer to be appointed as nodal officer
3. Arrangement of extra vehicles/ heavy equipments, such as front-end loaders/towing vehicles/earth moving equipments /cranes etc.
4. Inspection and emergency repair for roads/road bridges/ underwater inspection /piers/concrete and steel work.
5. Emergency inspection by mechanical engineer of all plant and equipments.
6. Route strategy for evacuation and relief marked
7. Clearance of blocked roads.

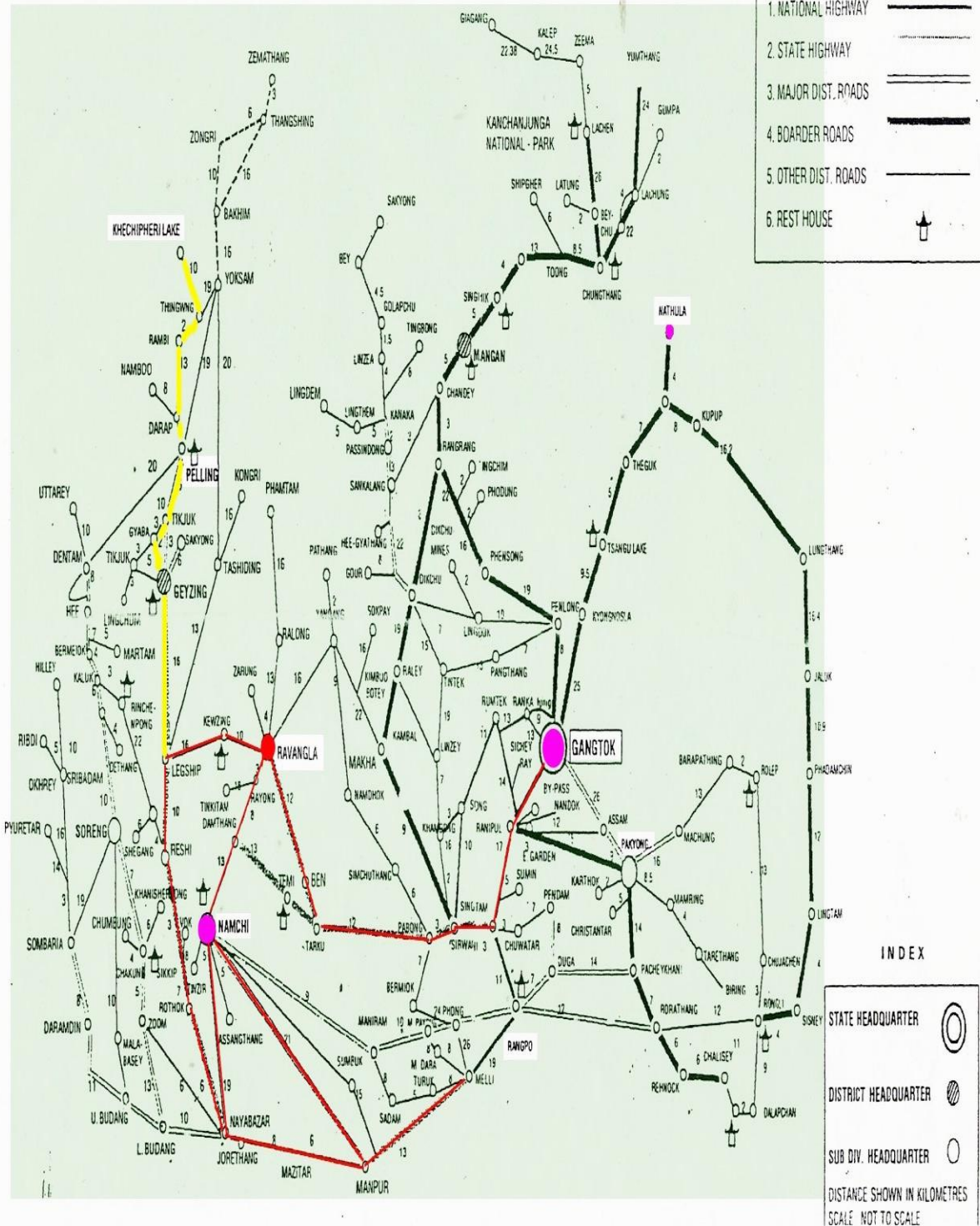
### **TELECOMMUNICATION(BSNL)**

1. Communication establishment with District and Sub Division control rooms and departmental offices within the division
2. An officer to be appointed as nodal officer
3. Standby arrangements for temporary electric supply or generators Inspection and repair of poles etc.
4. Identification of materials required for response operations.

### **FIRE & EMERGENCY SERVICES**

1. Communication establishment with District and Sub Division control rooms and departmental offices within the division
2. An officer to be appointed as nodal officer
3. Arrangement of all necessary equipments required for SAR(Search & Rescue) during Disaster.
4. Mobilization of manpower for SAR in close coordination with District Control Room.

# ROAD MAP OF SIKKIM



**HEALTH CARE, HUMAN SERVICES& FAMILY WELFARE DEPARTMENT**

**DISTRICT MEDICAL PLAN**

TRAUMA CENTRE, DISTRICT HOSPITAL NAMCHI

FACILITY AVAILABLE

TOTAL NO OF BED	EOC ROOM	DRESSING ROOM/MINOR OT	MAJOR OT
6	1	1	1

EMERGENCY ROOM WILL ALSO FUNCTION AS TRIAGE ROOM AT THE INITIAL STAGE DURING THE MASS CAUSALTY.

MANPOWER

SL.NO	NAME OF THE POST	EXISTING STRENGTH TRAINED PERSONAL	REQUIRED	TOTAL
1	MED.OFFICER	1	4	5
2	GNM	2	6	8
3	OT NURSE	NIL	3	3
4	TECHNICIAN	2	2	4
5	ATTENDENT		8	8
6	PEON (RUNNER)		2	2

TRAUMA TEAM

Team Leader	General Surgeon	Ph:-9434179319
Anaesthetist	Dr. Ram Rai	
General Surgeon	Dr. S.M Pradhan	
Orthopaedic Surgeon	Dr. D. Deokota	
Emergency Room Physician	Dr. Anju Rai(Trained)	
Nurse(Trained In Trauma)	Mrs. Pema Choden Sherpa(T) Mrs Jinamit Lepcha(T)	
OT Technician	Mr.Tashi Lepcha (T) Mr. Angdawa Sherpa	
Radiographer		
Scribe	On Duty Med. Officer	

### **DUTIES/ ROLE OF OFFICERS DURING DISASTER UNDER IRS**

- Incident Commander (District Collector) Assisted by DPO (DM) & Training Officer (DM)
- PIO & Liaison Officer (SDM HQ) / DIO (IPR)
- Safety Officer (SDM Namchi)
- Operation Section (SP South) Assisted by SDPO & DFO (T)

a) Search & Rescue (SDPO & SHO Fire)

b) Immediate Relief & Rehabilitation (SDPO& SHO Fire)

- Logistic Section (ADC LRDM)

a) Communication (DGM BSNL)

b) Food & Water Supply (D. Civil Supply Officer) & DE (PHE)

c) Medicine (CMO)

d) Transport (PWD)

e) Electricity (SE/ Energy & Power)

f) Road Connectivity (DE/Road)

- Planning Section (ADC- Dev, Namchi)

a) Maintenance of Emergency Fund (Sr. A.O.)

b) Procurement of Relief Material like food, medicine (SDM Namchi, DPO/ZP)

c) Compensation and claim disbursement (All SDMs and BDOs in their areas)

d) Damage Assessment: RO (LR)



## **Operation Section: SP South**

### **Role and Responsibilities**

1. Search & Rescue
2. Immediate First Aid & Evacuation of injured to Hospital
3. Fire Fighting
4. Protection of Relief Material
5. Traffic Management
6. Patrolling
7. Wireless Communication including use of Satellite Phone or any other communication gadgets.
8. Identification of dead persons and related matters
9. Psycho-Socio intervention of victims
10. Protection of VIP during their visit in the site/area of disaster

## **Logistic Section : ADC – LRDM**

1. Medical camp, First Aid, Ambulance and Medical Service: CMO
2. Relief camp, Distribution of relief materials, Air dropping: JD(HRDD), AD(Tourism)
3. Community kitchen/Essential Commodities : DCSO
4. Restoration of Telephone/network communication: DGM, BSNL
5. Care of Animal & Disposal of Animal Carcasse: JD/AH&VS
6. District Control Room/Information Centre: DPO, DIO (IPR)
7. Disposal of dead body : JS (UDHD)
8. Maintenance of Road Connectivity: SE ( Road& Bridge)
9. Uninterrupted Power Supply: DE ( Energy& Power )
10. Supply of Vehicle : DGM ( Transport )

## **Planning Section : ADC – Dev Namchi**

1. Procurement of relief materials: SDM Namchi, DPO (ZP)
2. Maintenance of Emergency Relief fund: Sr. A.O.
3. Disbursement of Ex gratia: SDM/Namchi, Jorthang, Yangyang, All the BDOs in their respective areas
4. Damage Assessment: RO ( LRDM)

## **Communication Network**

### **Communication Management during disaster**

- In times of crises, the **first responders will generally be the people residing** in that particular area, in order to respond the situation, Panchayat members and field officials i.e. HS/RS/ARS/Booth Constable/HGs are the first responsible person to disseminate the information to the concerned authority and work as first responders.
- **Head Surveyor/ Revenue Surveyor/ARS** are posted at various parts of the district as per their respective VLO Circle.
- **At the Block Level, the BDOs and Zilla Panchayat members are the second responders** and the BDOs shall also function as the Incident Command, duly mobilizing manpower and resources available at the BAC level and disseminating the information to the concerned authorities.
- **At the Sub-Divisional Level,** SDM will take charge of the Incident Command duly mobilizing the manpower and resources from line departments, Army, GREF, Power Projects, Private agencies, NGOs etc.
- The SDM shall be in touch with the DDMA for exchange of information as well as for requirement of extra manpower and resources in case of large-scale disaster.

The above officials shall perform their duties as per the constitution of IRS (Incident Response System) under the command/ directives of District Collector who shall be the Incident Commander during crisis period. Other Officers/Officials of South District shall be assigned duty as per the need of the hour.

### **Strength of Present Arrangements**

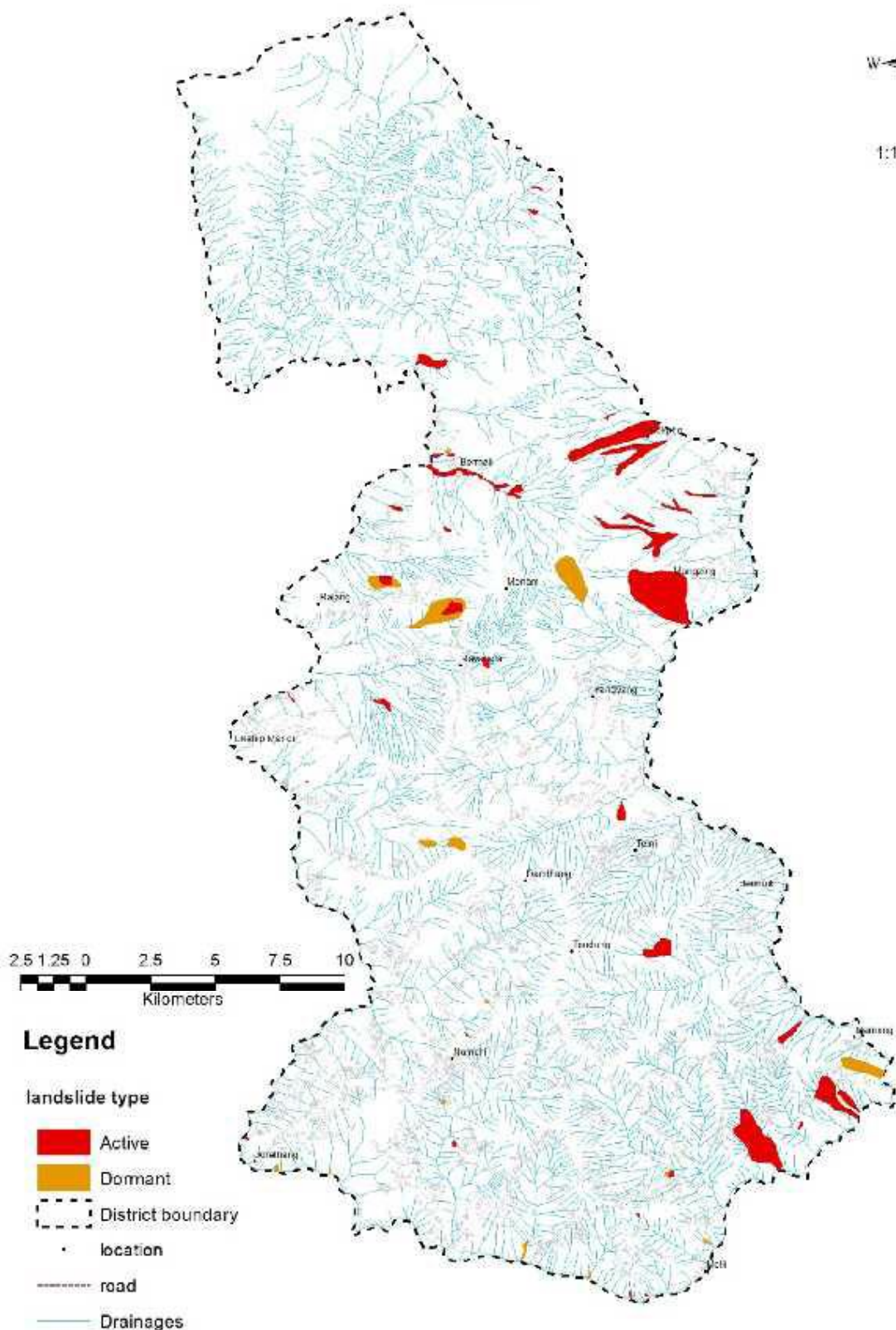
- Comprehensive Disaster Management Safety Plans:
  - Clarity of actions for each responsible responder
- Trainings and Awareness Programmes:
  - Community participation as essential element
  - Quarterly magazine on disaster management
- Vulnerability mapping
- Emergency Communication System
  - Traditional methods also getting explored; FM Radio
- First Aid Training and Kit with Officers and Communities

The above officials shall perform their duties as per the constitution of IRS (Incident Response System) under the command/ directives of District Collector who shall be the Incident Commander during crisis period. Other Officers/Officials of South District shall be assigned duty as per the need of the hour.

# LANDSLIDE INVENTORY MAP OF SOUTH DISTRICT, SIKKIM



1:134,186







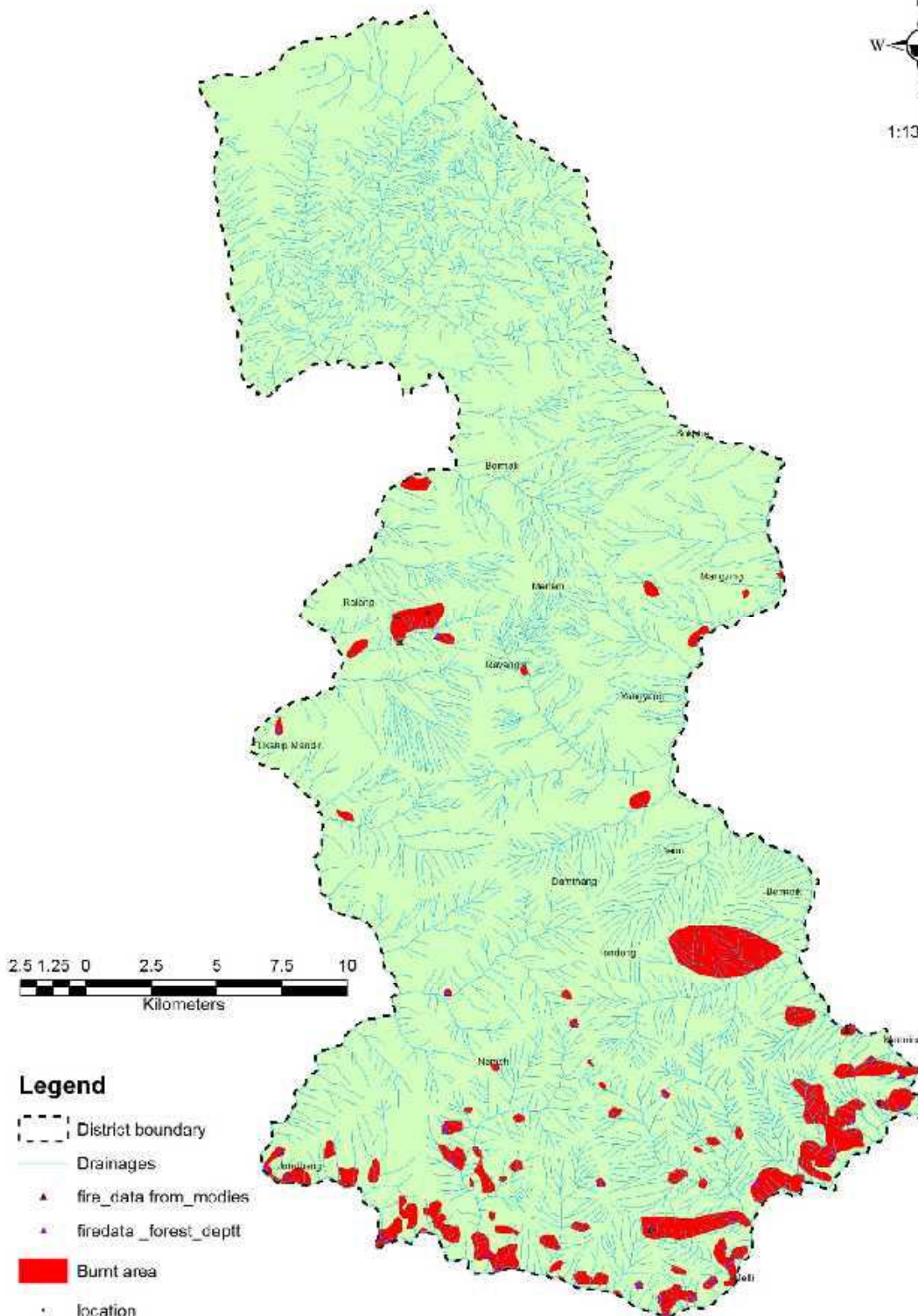
1:134,185



# FIRE INVENTORY MAP OF SOUTH DISTRICT, SIKKIM



1:134,185











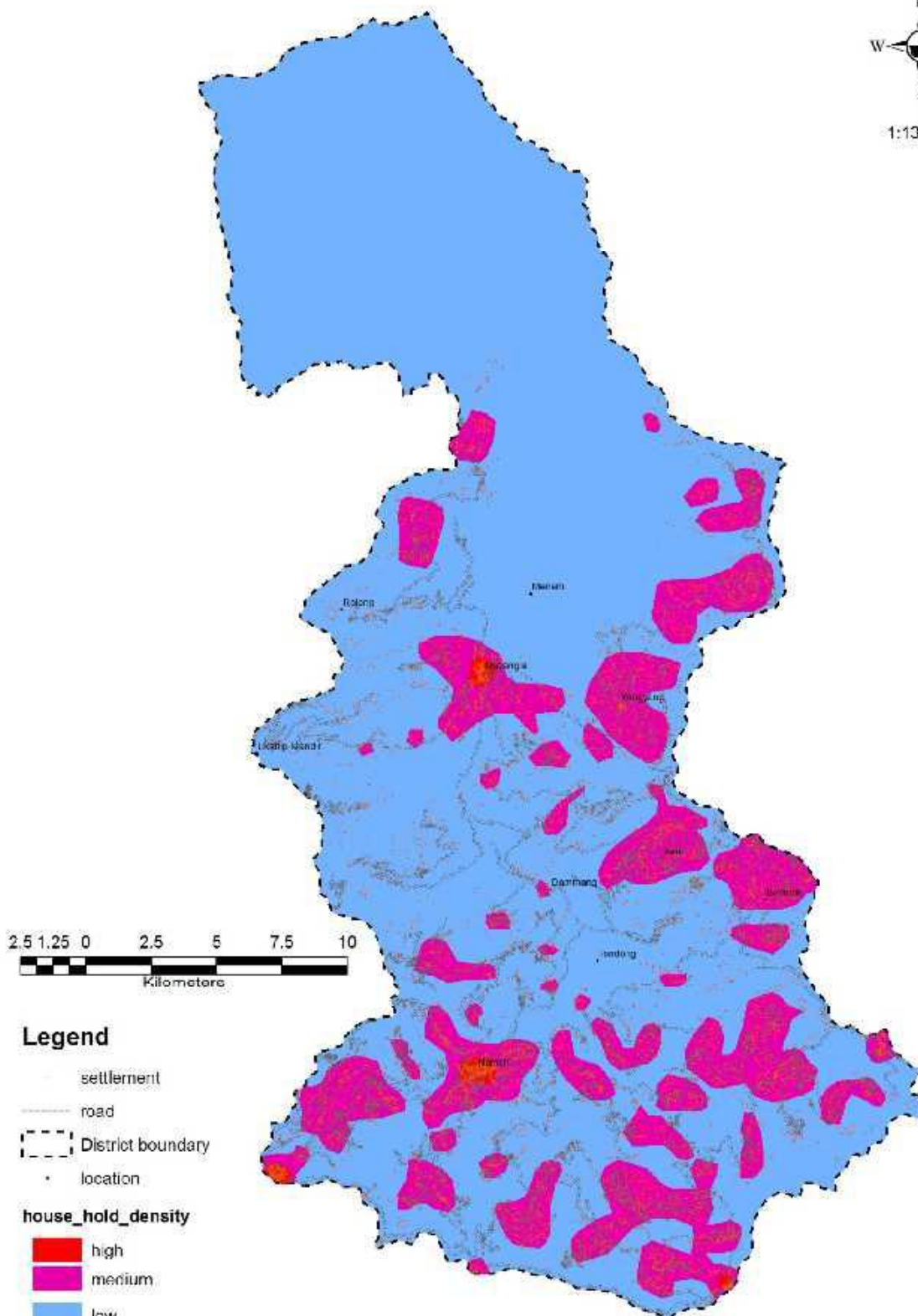




# HOUSEHOLD DENSITY MAP OF SOUTH DISTRICT, SIKKIM



1:134,185



# SUSCEPTIBILITY/VULNERABILITY TO MULTI-HAZARDS MAP OF SOUTH DISTRICT, SIKKIM



1:134,185

## Legend

--- District boundary

• location

— road

— Drainages

## Susceptibility to Multi- hazards

low hazard

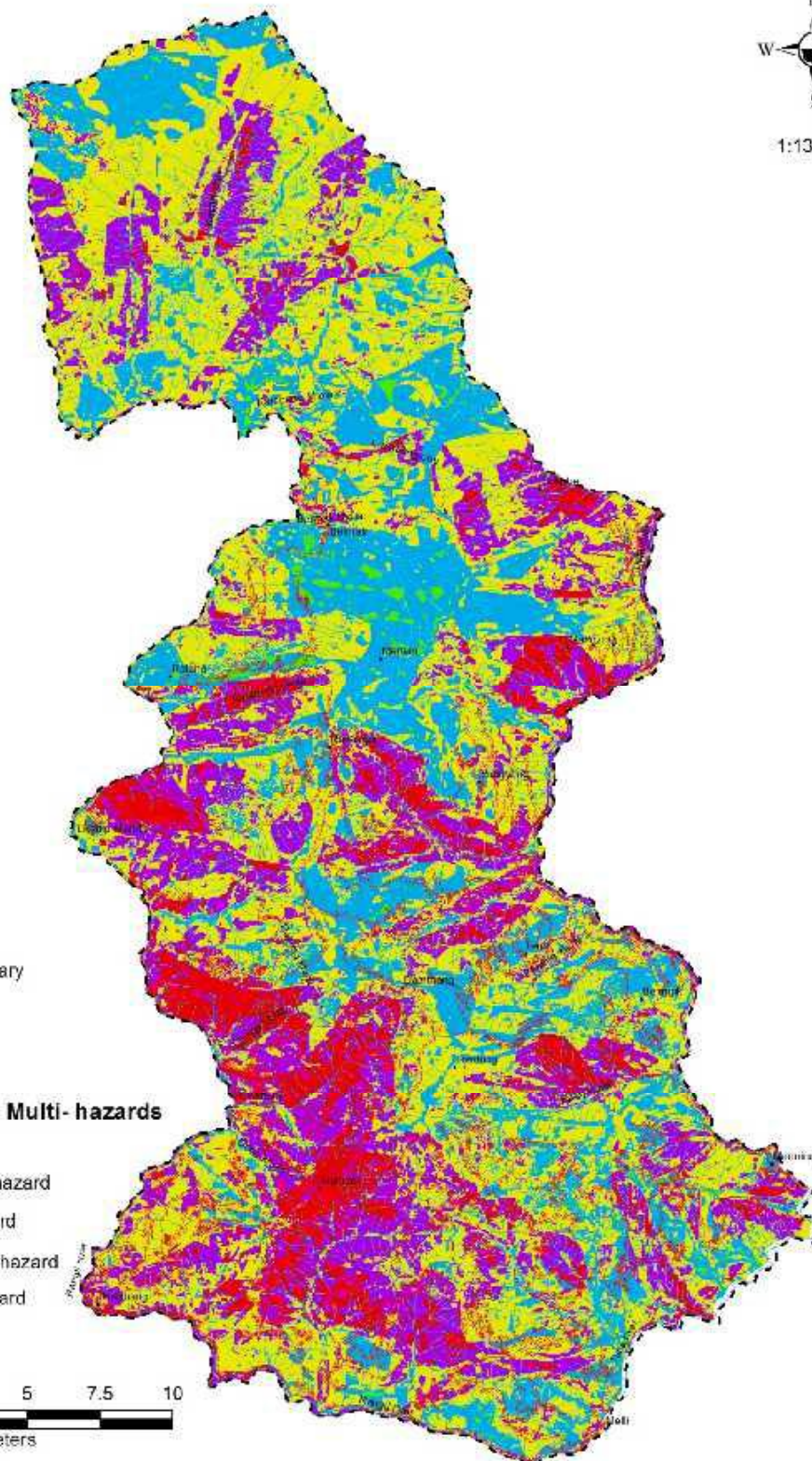
medium low hazard

medium hazard

medium high hazard

very high hazard

2.5 1.25 0 2.5 5 7.5 10  
Kilometers



### LIST OF CHOPPER LANDING AREAS DURING DISASTER

SI No	Name of Roads	Category of Road	Chopper landing Area	Village	GPU	Ward	Remarks
1	Phongla to Mamring road	MDR (Major District Road)	Km 13 <sup>th</sup> Turung School Ground	Turung	19-Turung Mamring	Turung	Helicopter may land on ground
2	Namchi to Phongla	MDR	Km 3 <sup>rd</sup> - 4 <sup>th</sup> PakhringGoon	PakhringGoon	Boomtar-Mikhola	Upper Salleybong	Parking for vehicles
3	Namchi to Damthang	SH (State Highway)	(1). Km 5 <sup>th</sup> Rock Garden	Chamgoan, Tingrithang, Upper Jaubari, Jaubari	MamleyKamrang, 37-Tingrithang, DamthangJaubari	Upper Mamley Upper Tingrithang, Upper Jaubari	Parking for vehicles
			(2). Km 6 <sup>th</sup> Tiffindara				
			(3). Km 9 <sup>th</sup> Jaubari				-do-
							-do-
4	Namchi to Assangthang	ODR (Other District Road)	Km 5 <sup>th</sup> Helipad	Sangbong	SangbongAssangthang	Upper Assangthang	Standard helipad ground.
5	Namchi to Manpur Road	MDR	Km 10 <sup>th</sup> Kitam school Ground	MiddleKitam	KitamManpur	Middle Kitam	Helicopter can land on School ground.
6	Melli to Phong	MDR	Melli Bazar Play ground	UDHD area	MelliDaraPaiyong	Melli	Helicopter can land on play ground
7	MelliPaiyong to MelliDara	ODR	Melli Bazar school ground at km 9 <sup>th</sup>	MelliDara	MelliDaraPaiyong	MelliDara	Helicopter may land on ground.
8	Passi-Kateng-Namthang road	ODR	Ketang School ground at km 6.5	Passi	PassiKateng	PassiKaten g	-do-

9	Melli-Nayabazar	SH	(1). Manpur School/industrial area at km12,	Manpur	SumbukKartikey	Sombaray	-do-
			(2). Majitar River bed at km 19 <sup>th</sup> ,				
			(3). Lower SumbukKartikey School ground at km 15 <sup>th</sup>	-do-	-do-	-do-	
10	Nayabazar-Namchi	SH	(1) Nandugoan school Ground at km 10 <sup>th</sup>	NanduGoan	PoklokDenchung	NanduGoan ward-1	-do-
			(2). Denchung school ground at km 12				
				Denchung	PoklokDenchung	Denchung Ward-4	
11	Manpur-Sumbuk	ODR	Sumbuk school ground at km 13 <sup>th</sup> .	Sumbuk	25	Sumbuk	-do-

					Sumbuk		
12	Sikkip-Vok	ODR	(1). Sikkip BAC ground at km 1 <sup>st</sup> ,	Lower Omchu	Wok Omchu	Lower Wok	-do-
			(2). Vok school ground at km 7.5 & Public Play Ground.				