

GOVERNMENT OF ARUNACHAL PRADESH

DISTRICT DISASTER MANAGEMENT PLAN 2017

EAST SIANG DISTRICT

Pasighat



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DISTRICT PROFILE:

1. NAME OF THE DISTRICT: - EAST SIANG DISTRICT.

2. SUB-DIVISION :- 4 (FOUR)

1. PASIGHAT (HQ).
2. RUKSIN.
3. NARI.
4. MEBO.

3. CIRCLES :- 11(Eleven).

- | | | | |
|----------------------------|----------------|--------------|----------|
| 1. PASIGHAT- SADAR CIRCLE. | 2. MEBO. | 3. RUKSIN. | 4. NARI. |
| 5. KOYU. | 6. SILLE-OYAN. | 7. SEREN. | 8. KORA |
| 9. BILAT. | 10. YAGRUNG. | 11. NAMSING. | |

4. POPULATION :- 81,822. (AS PER 2011 CENSUS.)

5. MAIN RIVER :-

**SIANG RIVER, SIBO KORONG, SIKU,SIBIYA,KADANG,NGOPOK
KORONG,SISAR, TARO TAMAK ,SIRKI, REMI, SIDO, SIMEN, DOBU,
DURA & SILLE.**

6. DISASTERS :-

**FLOOD, FLASH FLOOD, CYCLONE, DROUGHT, CLOUD BURST,
EARTHQUAKE, LAND SLIDE & FIRE ACCIDENT ETC.**

7. SEISMIC ZONE :- ZONE V.

8. TRIBES :- ADI, GALO & IDU MISHMI

INTRODUCTION

East Siang District comprising of 4005 sqkms in area lies between 27° 3 and 29° 42 north Latitude and 94° 42 and 95° 35 East longitude in the state of Arunachal Pradesh. The District is mostly hilly & mountainous. However, it has plain areas at the foothills which form part of Brahmaputra Valley in Assam. Pasighat, established in 1911 by the British, the head quarter of East Siang District is considered one of the oldest town of Arunachal Pradesh.

The total population of the District as per 2011 census is 81,882 and the density of population is 27 persons per sq km. The prevailing sex ratio of the district is 983 female per 1000 males and literacy rate stand at 54.28%.

TOPOGRAPHY:-

It is bounded by Siang District in the North, Dhemaji District in Assam in the South, Lower Dibang Valley District in the East and West Siang District in the west. The topography of the district is mountainous toward its north but gradually descending southward in the wide strip of plains meeting the boundary of Assam. The mighty river Siang flowing through the district has numerous tributaries of which, Poglek, Siku, Sibiya, Sisar, Sido, Simen, Dobu, Sirki, Kemi, and Sille are the main streams. The name of the district is derived from the mighty Siang river which becomes Brahmaputra in Assam when it is joined by rivers viz Buri Dihing, Lohit, Dibang and others.

SOCIO-ECONOMIC PROFILE OF THE DISTRICT:-

The main tribes of the district are Adi, Galo & Idu-Mishmi. The main crops of Agriculture and Horticulture are paddy, Maize, Orange, Millet, Mustard, Dal, Black-Pepper, Turmeric, Potato, Sweet-potato, Cabbage, Cauliflower, Pumpkin, Tea, Cardamom, Drumsticks, Chilly, Ladies finger, Soya-bean, green-bean, lettuce, tomato, Banana, pineapple, Mango, Papaya, Lemon, Lime, Guava, Sugarcane, Jackfruit, cucumber, star-fruit, lychee, Pampelo, Gooseberry etc. The total agriculture cultivation area of the district is 36,290.9 hectares and Horticulture cultivation area of the district is 8,249 hectares as per Agriculture and Horticulture Department. East Siang as a whole is a disaster prone district. It is vulnerable to major natural hazards like Earthquake, Cyclone, Flood, Flash-Flood, Cloud burst, Drought and manmade disasters like fire accident, road accident, etc.

HOUSING PATTERN AND SETTLEMENT: -

The Adi traditional houses are constructed with bamboo, woods, canes and leaves (locally it is called Toko Pata (Leaves) we can consider the house as Kuccha house. The houses are raised well above the ground with the help of stilts. They construct their houses either on the plain level ground or on the sloping ground. Since the living conditions are very tough in this area, the houses of the tribes are constructed to meet the challenge of nature.

While the people living in urban area constructed Multi-storied building, RCC building etc. for commercial as well as for Residential purposes.

BRIEF DISASTER HISTORY OF THE DISTRICT:-

EARTHQUAKE: -

Since the whole area of the district comes under seismic **zone- V**, vulnerability to earthquake Disaster is very high. The District has experienced a major Earthquake on 15th August 1950 at 8.7 Richter scale.

FLOOD:-

1) In almost every monsoon the flood water of various meandering rivers causes extensive damages. Among these, the unprecedented flash flood of the mighty Siang River of 1998 and 11th June 2000 recorded the highest level. During that time, by and large, people of about 30 villages inhabiting on either side of the bank of Siang River were in undated and the people had to bear with bust of the flash flood of particularly 11.06.2000.

2) In the year 2014 the mighty Siang River and its tributaries were flowed at its full spate; Siang River flowing at 154.92m and rainfall data recorded 234 mm on 23/08/2014. The low lying areas of Pasighat sub-division like Jarku, market area, etc. were inundated by rain water.

3) The Agricultural and Horticulture sector were badly affected due to erosion and siltation of cultivated land and damages of standing crop were caused by heavy rainfall and over-flooding. The livestock are badly affected due to submerging of grazing areas in Mer,Gadum and Namsing.

LANDSLIDE: -

In almost every monsoon due to the flood water, The Monggu-Banggo Panchayat block of Mebo sub-division, Boleng sub-division and many villages of Koyu Circle were cut off from rest of the district. The road connectivity on Pasighat-Pangin, Pasighat-Mariyang, Pasighat-Ledum-Tene, Tene-Koyu and Mebo-Dholla roads were disrupted in many places due to landslides and breached/washed away of bridges.

CYCLONE:-

1. On 22nd April 2011 around at 8 PM the cyclone storm attacked at Ruksin Sub-Division destroyed many rubber plantation and buildings of Industrial growth center of Niglok villiage.
2. On 3rd May 2013, more than 18(Eighteen) OBT houses were destroyed by cyclone at Nari sub-division.
3. 16th May 2013 cyclone affected the villages viz- Ngopok, Kiyit of Mebo Sub-Division and destroyed electrical installation, Granary and horticulture crops.
4. Cyclone storm on 20th April 2014 at around 7 PM destroyed Horticulture and Agriculture crops and uprooted many Agriculture huts, cow sheds and residential buildings, mostly affected the areas of PASIGHAT, BILAT and YAGRUNG circle.

FIRE: - The district experienced the menace of devastating FIRE in every year mostly during Winter/Dry period. Major Fire accident that affected the district is shown in tabular form as below:-

Sl. No	Date of occurrence	No. of house affected	Place of occurrence	Remarks
1.	21-11-2007	14	2-mile, Pasighat	
2.	28-11-2007	30	Oyan Market	
3.	07-04-2008	10	Lokpeng village	
4.	09-11-2008	29 shops	Nari market	

5.	14-03-2009	15	Upper Banskota	
6.	27-11-2009	30	Pasighat Bazar	
7.	06-11-2010	25 shops	Nari Market	
8.	31-08-2011	59	MirmirTinali	
9.	15-05-2012	1	Ngopok village	5 lives lost.
10.	13-08-2012	15	MirmirTinali	
11.	04-05-2014	8	Forest colony	
12.	28-01-2015		Govt. Gandhi Sec. School, Pasighat	All the official records of the school were destroyed
13	2-01-2016	3	Banskota	
14	10-01-2016	2	Education colony	
15	17-01-2016	1	DEM HS School Pasighat	Exam cell & office records burn down.
16	2/1/2016	3	Lower Banskota	
17	17/01/2016	1	D.E.M.Hr.Sec.Sch,Pasighat	
18	28/01/2016	46	Daily Market,Pasighat	
19	16/2/2016	2	Pane Korong area	
20	15/2/2016	1	IGJHSS,Pasighat	
21	4/3/2016	2	Seram vill. Under Mebo Sub-Dvn	
22	11/5/2016	35	Pasighat Market	
23	16/12/16	5	Jarku	

FLOOD PRONE VILLAGES ARE:-

Right Bank of Siang River: -

1. PAGLEK 2.JARKONG 3.JARKU 4.LOWER BANSKOTA 5.BERUNG
6.MORYOM 7.SIKA-TODE 8.SIKA BAMIN 9.JAMPANI 10.DONYI POLO-
TEA ESTATE 11.KEMI 12.ORIAMGHAT

Left Bank of Siang River: -

1. SIGAR 2.RALLING 3.MOTUM 4.KIYIT 5.BORGULI 6.SERAM 7.KONGKUL
8.NAMSING 9.GADUM 10.MER.

Nearby villages of Sibbo (Korong) River: -

1. BOYING 2. YAPGO AND 3. SIBO.

CHAPTER-II

CONCEPT AND OBJECTIVE OF DISASTER MANAGEMENT PLAN:-

Disaster means a catastrophe, a calamity of mishap, which causes loss of life, damage and destruction of properties, degradation of environment and disrupts the normal functioning of society, Government and adversely affects people's security.

The objective of **DISASTER MANAGEMENT PLAN** is to define the roles of the concern person responsible to control such situation as in case of any emergency. This in turn, helps in tacking the emergency effectively at the shortest possible time and thereby minimizing loss lives and properties.

DISASTER MANAGEMENT IS A CONTINUOUS AND INTEGRATED PROCESS

OF:-

1. Planning and implementing measures to mitigate or reduce the risk of disaster.
2. Mitigating the severity or consequences of disaster.
3. Preparedness for emergencies and disaster.
4. Assessing the effect of disaster.
5. Providing emergency Relief and Rescue and post Disaster Rehabilitation and Re-construction.

NECESSITY OF THE PLAN:-

1. The Plan establishes an administrative structure for a systematic, coordinated and effective response at the district level. The purpose of the plan is to:
2. Define a system of coordination at the district level.
3. Identify all the responder agencies at the district level, and assign functional responsibilities to each of them.
4. Establish a central facility in the district, which enables all the responder agencies to interact and coordinate their efforts.
5. Suggest hazard-specific preparedness, response and mitigation measures.
6. Plan resource requirements, and coordinate with the state government for requisitioning more resources.
7. Provide an inventory of resources, key facilities and addresses for deployment and assistance towards preparedness and mitigation.
8. Responding to an urgent call of society to change the paradigm from the traditional practice of giving relief towards reducing the risk of disaster, the Govt. is emphasizing that at all level; administration's primary role should be the preparedness, mitigation, reduction and response of a disaster based on community participation.

Plan Evaluation: -

1. The purpose of evaluation of DDMP is to determine:
2. The adequacy of resources
3. Coordination between various agencies
4. Community participation
5. Partnership with NGOs
6. The ease of understanding and using the plan will also be important consideration. The plan will be updated when shortcomings are observed in: -
7. Organizational structures
8. Available technologies
9. Response mechanism following reports on drills or exercises.

VULNERABILITY TO VARIOUS HAZARDS:-

1. Since the whole area of the district comes under seismic zone- V, vulnerability to earthquake Disaster is very high.
2. The plain areas like Pasighat Sub-Division, Ruskin, Mebo, and Nari of the district are vulnerable to flood including flash flood / erosion, cloud burst and storms especially during monsoon.

TYPE OF HAZARDS AND PROBABLE TIME OF OCCURRENCE.

Hazards	J	F	M	A	M	J	J	A	S	O	N	D	Remarks
Flood					←→								Seasonal flood Occurred during Monsoon.
Land slides			←→										Due to heavy rain, Landslides occurs during monsoon Seasons.
Fire	←→										←→		Unpredictable.
Hail storm								←→					Unpredictable.
storm			←→						←→				Unpredictable.

RISK AND VULNERABILITY ANALYSIS (EAST SIANG DISTRICT)

Hazards	Probability Rating.	Impact Rating	Vulnerability Ranking	Vulnerable Area/Block
High wind /Cyclone	-	-	NA	Whole district
Drought	-	-	-	Whole district
Fire	-	-	-	Whole district
Earthquake	-	-	-	Whole district (Zone-V)
Flood	-	-	-	Whole district
Hail storm	-	-	-	Whole district
Landslide/Erosion	-	-	-	All the hilly area of the district is affected.

CHAPTER-III

ADMINISTRATIVE SET UP OF EAST SIANG DISTRICT:-

East Siang district comprises of 4(four) sub – Divisions with 11 Circle Hqtrs including Sadar circle of Pasighat. The district headquarters, Pasighat is the only URBAN AREA as per the population and the rest Sub –divisions /Circles are still considered as rural areas which are given below:-

Sl no	Name of Sub-Division	Head Quarters
1	Pasighat Sub –Division	HQ at Pasighat (urban area)
2	Ruksin Sub - Division	HQ at Ruksin (Bilat&Sille-Oyan Circles)
3	Nari Sub –Division	HQ at Nari (koyu, kora& New–Seren Circles)
4	Mebo Sub –Division	HQ at Mebo (Namsing Circles)

DISTANCE OF OUT POST ADMINISTRATIVE CENTRES FROM PASIGHAT HQ.

Sl no.	Place	Distance	Mode of Communication.
1	Pasighat to Ruksin.	35 Kms	Public transport service
2	Pasighat to Mebo.	18 Kms	Public transport service
3	Pasighat to Nari.	65 Kms	Public transport service
4	Pasighat to Koyu.	65 Kms	Public transport services
5	Pasighat to New-Seren.	75 Kms	Public transport service
6	Pasighat to Bilat.	25 Kms	Public transport service
7	Pasighat to Silli-oyan.	24 Kms	Public transport service
8	Pasighat to Oiramghat.	36 Kms	Private Bus service
9	Pasighat to Murkongselek (Railway station)	41 Kms	Private Bus service

ALTERNATIVE ROUTES TO THE DISTRICT:-

East Siang District is communicated by Road, Air and water connectivity.

AIR TRANSPORT:-

Air Service may be availed in between Pasighat – Pangin – Mechuka – Yinkiong –Tuting- Roing – Anini - Naharlagun and Mohanbari (Dibrugarh) Assam. Besides this, aviation fuel station facility is also available at Pasighat Helipad. In the event of any hazardous calamity, supply of essential commodities to far flung areas is air lifted with the help of sorties from Pasighat.

Surface transport:-

Most parts of the district are well communicated by road which is connected by NH-52. Also Road communication from Pasighat to neighboring district headquarters like Aalo, Yingkiong and Itanagar are well connected. In case of disruption of road communication by earthquake or by land Slide /soil erosion, the PWD / RWD and BRO will immediately swing into action for restoration of road communication at earliest possible time.

Water TRANSPORT:-

Water transport service in between, Pasighat (Oiramghat) to and Majorbari ghat to Dibrugarh are also available.

CHAPTER-IV

DISTRICT DISASTER MANAGEMENT AUTHORITY:-

In exercise of the power conferred under section 25(1) of the DISASTER MANAGEMENT ACT, 2005, the Governor of Arunachal Pradesh is pleased to constitute the DISTRICT DISASTER MANAGEMENT AUTHORITY (therein after called the District Authority) with immediate effects as follows:-

The District Authority shall consist of the following members:-

1. Deputy Commissioner	-	Chairman.
2. Zila Parishad Chairperson	-	Co-Chairperson
3. Addl. Deputy Commissioner	-	Chief Executive Officer
4. Superintendent of police	-	Member
5. Dist. Disaster Management Officer/FO	-	Convener
6. Executive Engineer. (PWD)	-	Member.
7. Executive Engineer. (PWD)High ways.	-	Member.
8. Executive Engineer. (PHED)	-	Member.
9. Executive Engineer. (POWER)	-	Member.
10. Executive Engineer. (WRD)	-	Member.
11. District Medical Officer	-	Member.
12. DIPRO	-	Member.
13. E A C/Circle Officer (TPT)	-	Member.
14. District Food & Civil Supply Officer	-	Member.
15. Deputy Director (UD & Housing)	-	Member.
16. Chief Councilor	-	Member.

Power and functions of District Authority shall be as follows:-

- (i) Prepare a disaster management plan including district response plan for the district;
- (ii) Coordinate and monitor the implementation of the National policy, State Policy, National Plan, State Plan and District Plan
- (iii) Ensure that the areas in the district vulnerable to disaster are identified and measures for the prevention of disasters and the mitigation of its effects are undertaken by the department of the Government at the district level as well as by the local authorities;
- (iv) Ensure that the guidelines for the prevention of disasters, mitigation of its effects, preparedness and response measure as laid down by the National Authority and the State Authority are followed by all departments of the Government at the district level and the total Authorities in the district;
- (v) Review the state of capabilities for responding to any disaster or threatening disaster situation in the district and give directions to the relevant departments or authorities at the district level
- (vi) Ensure that the Departments of the Government at the district level and the authorities prepare their response plans in accordance with the district response plan;

- (vii) Lay down guidelines for, or give direction to, the concerned Department of the Government at the district level or any other authorities within the local limits of the district to take measures to respond effectively to any threatening disaster situation or disaster;
- (viii) Review development plans prepared by the Departments of the Government at the district level, statutory authorities or local authorities with a view to make necessary provisions there in for prevention of disaster or mitigation;
- (ix) Examine the construction in any area in the district and, if it is of the opinion that the standards for the prevention of disaster or mitigation laid down for such construction is not being or has not been followed, may direct the concerned authority to take such action as may be necessary to secure compliance of such standards;
- (x) Establish stockpiles of relief and rescue materials or ensure preparedness to make such materials available at a short notice;
- (xi) Provide information to the State Authority relating to different aspects of disaster management;
- (xii) Encourage the involvement of Non-Governmental Organizations and Voluntary Social Welfare institutions working at the grassroots level in the district for Disaster Management.

INCIDENT RESPONSE SYSTEM TEAM

The Governor of Arunachal Pradesh is pleased to notify Incident Response System Team at the district level for all the districts in the state to respond to any major disaster in the district. The implementation/response under Incident response System will be taken at the district level by the Incident Response Team notified as follows:

1.	Responsible Officer	Deputy Commissioner
2.	Incident Commander	Addl. Deputy Commissioner
3.	Deputy Incident Commander	PD, DRDA
4.	Safety Officer	Supdt. Of Police
5.	Liaison Officer	DFO and DDMO
6.	Information and Media Officer	DIPRO
7.	Operation Section Chief	Supdt. Of Police
8.	Staging Area Manager	EE, PWD/DDSE
9.	Rescue and Response Branch	
10.	Natural Disaster:	Fire Officer
11.	Epidemic & Health Hazard	DMO
12.	Manmade Disaster:	Dy. Supdt. Of Police
13.	Transport Branch(Road)	
14.	Rail, water & Air unit	DTO/ EAC (mv)
15.	Planning Section Chief:	Addl. Deputy Commissioner
16.	Situation Unit	EAC/ DDMO/ OC police station
17.	Resource Unit	DPO/ DHO & DAO/ MO
18.	Documentation Unit	DIPRO/ DDMO/ DIO (NIC)
19.	Mobilization Unit	SDO(Sadar)/EAC(Mv)/Dy.S.P/DDMO/DTO-Foreman
20.	Logistic Section Chief	Addl. Deputy Commissioner (Nazareth)
21.	Service Branch	EAC (Nazareth)

22.	Communication unit	DIPRO/ DDMO/ DIO(NIC)
23.	Medical unit	DMO
24.	Food unit	DF&CSO
25.	Support Branch	SDO, Sadar/ EAC
26.	Resource Provisioning unit	EE, PWD
27.	Facilities unit	EE, RWD/ Elect/ HPD
28.	Ground Support unit	EE, PHED/ WRD
29.	Finance Branch:	Addl. Deputy Commissioner
30.	Time unit:	EAC, Judicial/ DDMO
31.	Compensation unit:	DDMO/ EAC, judicial
32.	Procurement unit:	FAO/ DDMO
33.	Cost Unit:	Treasury Officer/ DDMO

The District Level Incident Response Team (IRT) will be activated by the Responsible Officer in the event of any major eventuality.

DISTRICT DISASTER MANAGEMENT COMMITTEE:-

1.	Deputy Commissioner	-	Chairman.
2.	Addl. Deputy Commissioner	-	Dy. Chairman.
3.	Superintendent of police	-	Member
4.	Dist. Disaster Management Officer	-	Nodal Officer
5.	Zila Parishad Chairperson	-	Member.
6.	Chief Councilor	-	Member.
7.	Commanding Officer (Army) Rayang	-	Member.
8.	Commanding officer (CRPF) Pasighat	-	Member.
9.	Officer Commanding (BRTF)	-	Member.
10.	Officer Commanding (NCC)	-	Member.
11.	Executive Engineer. (PWD)	-	Member.
12.	Executive Engineer. (RWD)	-	Member.
13.	Executive Engineer. (PHED)	-	Member.
14.	Executive Engineer. (POWER)	-	Member.
15.	Executive Engineer. (WRD)	-	Member.
16.	Executive Engineer. (Tube well & ground water)-	-	Member.
17.	District Medical Officer	-	Member.
18.	DDHS (T&R)	-	Member.
19.	District Agriculture Officer	-	Member.
20.	District Horticulture Officer	-	Member.
21.	District Veterinary Officer	-	Member.
22.	Deputy Director School Education	-	Member.
23.	District Food & Civil Supply Officer	-	Member.
24.	Station Supdt. (STS)	-	Member.
25.	DIPRO	-	Member.
26.	Station Director, (AIR)	-	Member.
27.	Deputy Director (UD & Housing)	-	Member.
28.	District Informatics Officer (NIC)	-	Member.
29.	Sub Divisional Officer/Circle Officer (Sadar)-	-	Member.
30.	Extra Assistance Commissioner/Circle Officer (TPT)-	-	Member.
31.	CDPO	-	Member.

When Disaster strikes' all the DDMC members and administration officers will assemble at DC's office Pasighat with quick response for further initiation of necessary step to mitigate the disaster.

CONTROL ROOM.

In normal time the W/t station of police is the control room of the district and in emergency, round the clock control room will be set up in the DC's office- DEOC by deploying person /staff through roster.

PURPOSE OF DISTRICT CONTROL ROOM

1. The **District Emergency Operation Centre** (District control room) is under control of the Deputy Commissioner, which will be operational round the clock and is the nerve center for the following activities.
2. To monitor, Co-ordinate and implement the actions /activities for effective disaster responses as well as management of available resources.
3. During the occurrence of a Disaster, the DEOC will operate under the central authority of the Deputy Commissioner, exercising emergency powers to issue directives to all departments to provide emergency response services.
4. DECO will co-ordinate with the state disaster response machinery like **STATE DISASTER MANAGEMENT COMMITTEE**, Itanagar for appropriate support and smooth flow of information.
5. The DEOC will be manned round the clock for emergency responses.

ROLES, RESPONSIBILITIES AND PREPAREDNESS:-

DEPUTY COMMISSIONER:

- The Deputy Commissioner-Cum –Chairman is the central authority to exercise emergency power in issuing directives to all the departments and to provide emergency response services.
- The Deputy Commissioner will coordinate all the field responses. Field responses include setting up of Relief Camps and will respond to the state Relief committee accordingly.

ADDL. DEPUTY COMMISSIONER:-

- Addl. Deputy Commissioner, will act as the overall in –charge of emergency preparedness and operation. She/he will coordinate the following activities:
- Supervise the activity of Dist. Control Room and communicate the information to the Deputy Commissioner.
- Co-ordinate the programme during preparedness, disaster and natural calamity, rescue operation, relief operation, resettlement and rehabilitation,
- Monitor the programme during relief operation, rescue operation etc.
- Evaluation of the operation process.

POLICE:

- The superintendent of police in the district will get in touch with the District Administration in Rescue, evacuation and emergency relief measures under intimation to the state Relief Committee. As Disaster and natural calamities can occur at any point of

time hence Para-military forces may be called upon to assist the civil authorities in rendering rescue and relief operations.

NODAL OFFICER:

The sources and failure of Disaster Management purely depends the active role played by the NODAL OFFICER during the time of emergency. His / Her prompt understanding of the situation and initiation of immediate preventive measures will make a big difference in the prevention of loss of human lives, crops and property during the time of disaster. The role and responsibility of the Nodal officer is not only important during emergency but also before and after occurrence of a disaster.

Pre-Disaster.

- The Nodal officer shall organize regular coordination meeting with all DM committee Members, head of office, public leaders, and NGOs citizens in consultation with the chairman.
- The Nodal officer will liaise with all head of office, NGOs public leaders and other organizations to keep their machineries and manpower in readiness to face occurrence of any type of natural disaster.
- The Nodal officer shall keep record of all parameters which might indicate occurrence of any type of natural disaster and intimate the concerned higher authority in weekly / daily basis.

DURING DISASTER.

- During the time of occurrence of a disaster, the Nodal Officer shall liaise with all heads of offices, public Leaders and other organizations and initiate prompt measures to prevent loss of human lives and property.
- The Nodal officer shall initiate immediate necessary measures for evacuations and organize search and Rescue teams with consultation with the concerned Member, who have been entrusted for this work.
- If necessary, the Nodal officer will initiate setting up of Relief Camp for the affected people in a safer place and ensure proper supply of safe drinking water, Lighting arrangements, medical facilities and rations etc. In the relief camp with the help of concerned departments.

Post Disaster.

- The Nodal Officer, who is also the District Disaster Management Officer, shall initiate assessment of loss of property, crops; cattle etc during the time of disaster with the help of concern department and will intimate the extent of the higher authority.
- In consultation with the higher authority and the chairman of Disaster management Committee, the Nodal office shall initiate disbursement of Relief assistance to the affected victims immediately.

RESTORATION OF ESSENTIAL SERVICE AND COMMODITIES:-

Road communications:- Action by :- EE-PWD/RWD & OC

- The BRTF, PWD and RWD will initiate early clearance of road blockage by mobilizing local resource and man power.
- Also removal of debris, demolition of structures, construction of temporary shelter, and temporary bridge for evacuation of injured.

Drinking water: - Action by :- EE (PHED)

- They will initiate action for restoration of clean drinking water supply during and after occurrence of any disaster.
- If the main water Sources is damaged, the alternate water Source Should be identify.

Power supply:- Action by :- EE (power)

- He will initiate preventive measures to safe guard power installation during Disaster and arrangement of electric supply to relief camp etc.

Stock of essential commodities: - Action by :- DF&CSO

- DF&CSO will ensure stock of sufficient essential commodities during and after occurrence of any kind disaster.
- He will liaise with the directorate of civil aviation Naharlagun for air lifting of the marooned people.

Mass media:- Action by :- DIPRO /DIO, Station director, AIR (Pasighat) and local Cable TV Operator

- To given warning to the people in advance through media and net work regarding likelihood of occurrence of any disaster.
- Mass communication in time of disaster will be entrusted to DIPRO /DIO. Besides this, there are also TV Transmission center. Air station and Local TV Operators, which may be used during the time of occurrence of any disaster.

Search and Rescue / Maintenance of Low & order/ Fire service: -

Action by: - Superintendent of Police.

- To maintain low & order during and after the time of disaster and to engage police personnel's in search and rescue operation.

Transportation:- Action by:- EAC/CO(TPT)

- The EAC/CO (TPT) shall be responsible for management of sufficient vehicles for transportation at the time of need.
- He shall also coordinate with the petrol depot owners and ensure availability of sufficient quantity of pol.
- Details of vehicles.

Medical Emergency:-Action by: - DMO/JDHS&DDHS(T&R).General Hospital

- Their assigned duty is to care for health aspect during and occurrence of disaster.
- It includes fire Aid, treatment of Casualties, and readiness of ambulance of transportation of serious patients.
- They shall also inform all Doctors & Para medical staff of all CHCs, PHCs, and SCs of the district for taking necessary measures.

Assessment of Agri /Horti crops Damages:- Action by :- DHO/DAO

- The DAO/DHO will initiate immediate action after occurrence of disaster to assess the loss estimate of agriculture. / Horticulture Crop
- Also assist the Local administration in mitigating all kinds of disasters.

Veterinary Care: -

Action by: DVO

- DVO will ensure setting up of cattle camp providing medicine etc. to the affected animals during occurrence of any kind of natural disaster.

Maintenance of Cleanliness & Disposal of Carcasses: -

Action by:-MC/DD (UD & H).

- Cleanliness is one of the major requirements after occurrence of disaster to prevent spread of epidemic and other health hazards. The Municipal council/DD(UD & Housing) should keep their manpower/ inventory in readiness.
- The death bodies of human being if any, found in a flood effect areas in case of high flood, flash flood and land slide, shall ordinarily be may over to relative and friends, if available, for cremation or burial when their no claimants for death bodies, those shall be Cremated/buried at the government cost.

Maintenance of River Level: -

Action by: - EE (WRD).

- To monitor the water level constantly and in case of any abnormal rise in water level, he should inform the Deputy Commissioner immediately.

Volunteers: -

Action by: - DDSE.

- To assist in rescue, rehabilitation and in relief camp with the help of school children / NCC/NSS volunteers during disaster.

Salvage Service: - Action by: - District Administration & EE (PWD), EE (RWD).

- Salvage of property.
- Construction of temporary sheltering sheds.
- Organization of labour parties for operation.
- Collection of necessary tools and equipments required for salvage.
- Storing of building materials.

Kitchen: - Action by: - DFC&SO, DDMO & CO (Sadar) in HQ. & CO, concern in circle level.

- Public kitchen will be at the safe shelter where the people evacuated.
- Utensils are to be provided by CDPO Pasighat.
- Gas fuel/ fire woods is to be provided by DFC& SO.

In total, all the committee members' public leaders and Senior citizens of the area should give their cooperation to the local administration in mitigation all kinds of disaster with manpower, materials and technical knowhow.

GAUGE READING

- Siang River – Danger level – **153.96mtr.**
- Sibokorong – Danger level – **227.89mtr.**

CHAPTER-V

CAPABILITY ANALYSIS

The resources necessary for disaster preparedness during and after disasters are listed below:

Shelters:-

Sl.no	Name of the Circle	Name of Village	Name of the Rivers.	Location of the Relief Shelter.
1	Pasighat	1.Boying 2.Jarku 3.Yapgo 4.Tebo 5.Jarkong	1. Siang 2. Sibokorong	1. Town Club high region. 2.D.Ering H/Sec. School, 2.D.Ering ME school, Pasighat (Forest Colony)
2	Yagrung	6.Yagrung	Tolon&Remi.	Govt.Sec.SchoolYagrung.
		7.Taki Lalung	Poklek&Besong	Govt.ME School Takilalung.
		8.Sibut	1.Tolom	Community Hall sibut
3	Mebo	1.Bodak	Siang	Community Hall, Bodak.
		2.Ayeng	Siku	Communitny Hall, Ayeng.
		3.Mebo	1.Siku 2.Panglek Korong.	1. Community Hall, Mebo. 2. IB and 3. H.S. School
		4.Romdum Town	Terong	Community Hall, Romdum Town.
		5.Silluk	Sibiya	Community Hall, Silluk.
		6.Aohali	Sisar	Community Hall, Aohali .
		7.Mottum	Sibiya	Community Hall, Mottum.
		8.Ralling	Siang	Community Hall, Ralling.
		9.Sigar	Siang	Community Hall, Sigar.
		10.Darne	Panne Korong	Community Hall, Darne.
4	Namsing	11.Ngopok	Ngopok Korong.	Community Hall, Ngopok.
		12.Kiyit	Ngopok Korong	Community Hall, Kiyit.
		13.Borguli	1. Siang 2. Ngopok Korong 3. Tatsing	Community Hall, Borguli.
		14.Siram	1. Tatsing 2. Sisar	Community Hall, Siram.
		15.Kongkul	Sisar	Community Hall, Kongkul.
		16.Namsing	1.Siang2.TaroTamak	Community Hall, Namsing.
		17.Gadum	1.Siang2.TaroTamak	Community Hall, Gadum.
		18..Mer	1.Siang2.TaroTamak	Community Hall, Mer.
5	Ruksin		1.Remi.2.Kemi3.Sille 4.Ruksin 5.Penneng. 6.Rayang 7.Debing	1.Govt. School Building 2.Dere (Community Hall).3.IB
6	Seren	1.Seren	1.Simen 2.Seren	Dere (Community Hall) Sere

		2.New-Seren	1.Simen 2.Seren	Dere(Community Hall) New Seren
		3.Pam	1.Relu-Koju2.Ngopi	Dere(Community Hall)Pam
		4.Old Deka	1.Deka	Dere (Community Hall)Old Deka
		5.New-Deka	1.Deka	Dere (Community Hall)New Deka
		6.New-Telam	1.Potte 2.Dobu	1.Sec.School Auditorium
7	Nari	7.Pote	1.Pote	Dere (Community Hall)Potte
		8.Nari	1.Dobu	1.Dere (community Hall)Nari 2.Sec.School Nari
		9.Nari Camp	1.Gangai nallah	1.Dere(communitiy Hall)Nari Camp 2. Sec.School auditorium.
		10.Lumpo	1.Dobu 2.Gangai Nallah 3.Natte	1.Dere (community Hall) Lumpo 2. Sec. School auditorium.
		11.Adi Tako	1.Dobu 2.Gangai Nallah 3.Natte	1.Dere(CommunityHall) Adi Tako 2. Sec. School auditorium.
		12.Namey	1.Natte2.TabeKorang.	1. Dere (Community) Namey
		13.Depi	TabeKorang 2.Depi	1.Dere (Community) Depi
		14.Depi Moli	1.Deo	1.Dere(CommunityHall) DepiMoli
		15.Detak	1.Deo	1. Dere (Community Hall) Detak
8.	Koyu	1.Koyu	1. Simen	1. Play Ground Within the Village. 2. Govt. Pry. School Koyu
		2.Rina	1.Simen	1.Community Hall Rina 2.Pry.School Rina
		3.Hippo	1.Simen	1.Community Hall Hippo
		4.Rami-EAC Hq	1.Simen	1. Govt.Sec.SchoolKoyu. TK Memorial Hall.
		5.Rotte	1.Simen	1.Community Hall Rotte 2. Pry. School Rina
		6.Tabi-Ripo	1.Simen	1. Community Hall, Tabi-Ripo.
		7.Kadu	1.Simen	Open Ground Within the village
		8.Mongku	1.Simen	Open Ground within the village.
		9.Saku	1.Simen	Open Ground within the village.
		10.Loglu	1.Simen	Open Ground within the village.
		11.Kakki	1.Sipu	1.Community Hall, Kakki 2.Pry.School Kakki
9	Sille-Oyan	1.Rani	1.Kemi	1.Community Hall Rani 2. Govt.Sec. School Rani
		2.Sika-Tode	1.Sika Korong	1.Community Hall Sika-Tode 2.Govt.Middle School Sika-Tode
		3.Sika-Bamin	1.Sika Korong	1. Community Hall Sika-Bamin 2.Govt.Middle School Sika-Bamin.
		4.Oyan	1.Sille Korong	1.Community Hall Oyan 2. Govt.Middle School. 3. Open Ground near CO Office.

		5.12Mile	1.Sille Korong	1.Community Hall 12Mile 2.Govt.Pry School 12Mile
		6.Mangnang	1.SilleKorong. 2.Peneng3.Remi	1.Community Hall Mangnang 2. Govt.Middle School.
		7. Sille	1.Sille River	1. Govt.Hr.Sec. School Sille 1km from Village.2. Community Hall.
10	Kora	1.Korang	1.Dobung 2.Korang	Korang-Yorlo 1km from village.
		2.Sido	1.Loglung	Bhipong 2km from village.
		3.Lipin	1. Liya 2. Lipin	Tan Agri field 300m. From village.
		4.Mane	1.Dobung2.Signi3.Ngopi 4. Dor-Koche.	1. Mane Agri field area. 2. KabokAgri field area. 3. ModiRigme.
		5.Remap Camp	1.Dobung2Tene3.Loglung	1. Bhage Saw mill area.
		6.Tene	1.Tene2.Loglung	Tene Hill area.
11	Bilat	1.Bilat-Bamin	1.Peneng	1. Community Hall, Bilat 2. IB and 3.H.S. School.
		2.Merem	1.Peneng 2.Remi	1. Community Hall, Merem. 2. Govt.Middle School Merem.
		3.Mikong	1.Remi 2.Peneng	1. Community Hall, Mikong 2.Play Ground near village.
		4.Miglung	1.Remi	1. Community Hall, Miglung 2.Play Ground within the village.
		5.Ledum	1.Sille2.Dengkam	Govt.Middle School Ledum.

SHELTER'S IDENTIFIED for search & rescue team:-

Sl.NO	Name of Circle	Place	Capacity
1.	Pasighat Sadar	Auditorium Hall IGJHSS. Auditorium Hall Tourism.	200 150
2.	Mebo	Doying Kumdang Hall Mebo Auditorium Hall GHSS.Mebo	200
3.	Ruksin	Kebang HallRuksin.	50
4.	Bilat	Higher Sec. School Bilat	50
5.	Sille-Oyan	Higher Sec. School Sille.	100
6.	Nari	Auditorium Hall ADC's office	50
7.	Koyu	Higher Sec. School Koyu	100
8.	Kora	Sec. School Kora	50

STORAGE OF FOOD

Sl.no	Name of Circle	Place	Capacity(in Quintals)
1.	Pasighat Sadar	FCL Godown Pasighat	800MT
2.	Pasighat Sadar	Food & Civil Supplies Godown	200MT

AIR COMMUNICATION

Sl. no	Location of Helipad	From	To	Schedule	Remarks
1.		Naharlagun	Pasighat Pangin		

	Pasighat	Pasighat	Mechuka		
			Roing		
			Anini		
			Yinkiong		
			Tuting		

LIST OF POLICE STATION & OUTPOST LOCATION

Slno	Police Setup	Nos	Location
1.	Police Station	3	1. Pasighat 2. Ruksin 3. Nari
2.	Police Outpost	1	Mebo
3.	Police Check Gate	3	1. Kemi 2. Ruksin 3. Raneghat
4.	WT Net		Connected all police station
5.	Fire station	1	Pasighat Near General ground
6.	CRPF	1	186 (E) Coy GTC.
7.	AAPBN	1	1 COY (B) 2 nd APP BN.
8.	IST IRBN	1	Pasighat
9.	Beat post	2	1. Pasighat 2. Komli-ghat.
10.	Border out post	1	Debing
11.	Crime & Criminal Tracking Networking System	1	Pasighat.
12.	Automatic Finger print identification system	1	Rime Branch, SP office Pasighat.

TELE & MASS COMMUNICATION:

Sl.no	Name of Block	Place of Installation
1.	Pasighat	NIC at DC office (b) CIC, BDO office Pasighat (c) WT station at SP office, Pasighat. (d) BSNL office, Pasighat (e) AIR station, Pasighat (f) AIRTEL. (g) AIRCEL office Pasighat.
2.	Mebo	(a) police out post, Mebo (b) BSNL service (c) CIC BDO office Mebo
3.	Nari	(a) police station, (b) Nari BSNL service (c) BDO office Nari.

Details of HEALTH CENTERS in East Siang District(including Siang Dist.).

1.	DISTRICT HOSPITAL (GENERAL HOSPITAL)	01
2.	TB HOSPITAL	01
3.	COMMUNITY HEALTH CENTERS	05
4.	PRIMARY HEALTH CENTERS (ONE UNDER NGO)	15
5.	SUB-CNETERS	37
6.	HOMEO&AYUR DISPENSARY	1

NUMBERS OF SCHOOLS IN EAST SIANG DISTRICT:-

Block	HSS	SS	UPS	Pry.	Total	Remarks
KOYU	1	1	4	13	19	
MEBO	2	2	14	20	38	Including 2 UPS & 2 Pry Pvt. School.
NARI	1	3	12	9	24	
PASIGHAT	3	12	28	15	58	Including 9 UPS & 2 SS Pvt. School.
RUKSIN	3	3	18	24	48	Including 3 UPS & 2 Pry Pvt. School.
Total	10	20	76	81	187	

EMERGENCY SUPPORT FUNCTION: Inventory of Machinery (Department wise)

1. WRD

Sl.no	Particulars	Nos	Location	Remarks
1	Bolero	1	Nari-Koyu Sub-Division	
2	Bolero Scorpio Gypsy	1 1 1	Pasighat Sub-Division	
3	Gypsy	1	Mebo Sub-Division	

2. POLICE

Sl.no	Particulars	Numbers
1	Fire Tender Vehicle	1 nos
2	Ambulance	2 nos
3	Tata Winger	5 nos
4	Heavy Bus (line)	1 no. (5 MtrsApprox)
5	Medium Bus	1 no. Fitted in fire tender vehicle
6	Heavy Truck	Available
7	Mini Truck	1 no.

3. PWD

Sl.no	Particular	HoD	No.	Place of deployment
1	Scorpio	EE,PWD Pasgt	1	Pasighat
2	Bolero	-do-	3	Mebo
3	Gypsy	-do-	1	Bilat
4	Tata Tipper	-do-	1	Mebo
5	Tata Truck	-do-	1	Pasighat

4. Power

Sl.no	Particular	N0's	Place of Deployment
1	Heavy Vehicle	3	1 each available at Ruksin, Nari and Pasighat.
2	Light Vehicle	5	Vehicle attached to SE(E) & EE(E) Office

5. JDHS

Sl.no	Particular	Place of Deployment	Remarks
1	1NO. Ambulance	DMO office,pasighat	
2	1NO.Ambulance	Boleng CHC	
3	1No.Ambulance	Mebo CHC	(Very old)
4	1No.Ambulance	Pangin CHC	
5	1No. Ambulance	Nari CHC	
6	1No.Ambulance	Ruksin CHC	
7	1No.Ambulance	Riga ,PHC	(Very old)
8	1No.Ambulance	Yembung PHC	
9	1No.Ambulance	Koyu PHC	(Very old)
10	1No.Ambulance	Borguli PHC	
11	1No.Ambulance	Bilat PHC	(Very old)
12	1No.Ambulance	Yagrung PHC	

6. PHED

Sl.no	Type of Vehicle	Reg.No.	Place of Deployment
1	Truck	AR-09-0049	AE,Pasighat
2	Truck(Water-Tanker)	AR-09A-0050	AE,Pasighat
3	Scorpio	AR-09A-0065	EE,Pasighat
4	Bolero	AR-01A-4674	AE,Pasighat

7. DAO

Sl.no	Types of vehicles	Nos	Place of Deployment	Remarks
1	Gypsy	1	Pasighat	
2	Tractor	1	Pasighat	
3	Truck	1	Pasighat	

8. STATION Superintendent:-

Sl.no	Particular	No.	Remarks
1	Bus	15	
2	Gypsy	1	
3	Tyre Level boat	15	
4	Mechanical jack	15	
5	Jack liver	15	
6	Chassis jack	2	
7	Torque Wrench	1	

9. DFO:-

Sl.no	Particular	No.	Remarks
1	Bolero	1	

10. DHO:-

SL.No	Particular	No	Reg.No.	Remarks
1	Tractor	1	AR-09-3188	
2	Mini Truck	1	AR-09-3130	
3	Gypsy	1	AR-09-3052	
4	Bolero	1	AR-09-0048	

11. DF&CSO: -

SL.No	Particular	No.	Remarks
1	Tractor	1	
2	Tata Mobile	1	
3	Gypsy	1	
4	Bolero	1	
5	Truck	3	
6	Bike	2	

12. RWD:-

SL.No	Particular	No.	Remarks
1	Truck	1	

13. Veterinary:-

SL.No	Particular	No	Reg.No.	Remarks
1	Bolero	1	AR-09A-0026	
2	Ambulance Max	1	AR-09A-1521	

14. Hydro Power: -

Sl.no	Particular	Reg.No	Nos	Remarks
1	Tata Mobile	AR-01c-0435		
2	Max Ambulance	AR-09(A)-152		
3	Gypsy	AR-09A-0026		

15. Industry:-

Sl.No	Particular	No	Remarks
1	Bolero	1	Good condition.
2	Gypsy	1	Serviceable

16. DDSE:-

Sl.No	Particular	No.	Remark
1	Gypsy	2nos	
2	Marshal	1nos	
3	DG set 10HP	1Nos	Very old

17. DRO:-

Sl.No.	Particular	No.	Remarks
1	Projector 16 mm with full set	1	Serviceable
2	Slidomatic projector	1	Serviceable

18. Deputy Director (ICDS)

Sl.No	Particular	No	Remarks
1	Bolero	1	Serviceable

19. Municipal Executive Officer

Sl.No	Particular	Nos	Remarks
1	Truck(sanitary)	3	Serviceable

20. Officer Commanding NCC:-

SL.No	Particular	Nos	Remarks
1	Swaraz Mazda Mini Truck	1	
2	Sytex Water Tank	2	
3	Degchi 24"with Lead	4	
4	Kodai with Lead	2	
5	Gas Chullah	1	
6	Tent 4 way	4	
7	Blanket	125	
8	Ground Sheet	70	
9	Raincoat	50	

21. BRTF:-

Sl.No	Particular	Nos	Remarks
1	M/Cycle	4	
2	M/Gypsy/Ambulance	7	
3	Tata 407/207/S/Bus	11	
4	Tata Tpr	8	
5	Tata W/Truck	8	
6	Tata L/C	4	
7	A/L Tpr	7	
8	BD50	9	
9	W/Loader	3	
10	Excavator all model	6	
11	Excavator 80	1	
12	M/Grader	4	
13	Paver Finisher	5	
14	Road Roller all model	14	
15	S/Compactor	3	
16	Air Compressor	2	
17	HMP	2	
18	Water Pump all model	1	
19	Gen set all model	9	
20	W/Gen set	2	
21	Crane all model	2	
22	Exc 20 Ton	3	
23	Tata JD	10	
24	Dmpr	10	

22. Pvt. Company (NCC)

Slno	Particular	Nos	Remarks
1	Tata Hyva	5	Shri Raghu, Project Manager 08415842226
2	Tipper	1	
3	Tractor(New Hallond) with Trailor	1	
4	Water Tanker	1	

23. Pvt Company (M/s Kakum Enterprises)

Slno	Particular	Nos	Contact no.
1	JCB	2	Shri Ngoru Bebgia, Project Manager, 09436879953/8119090696. Shri Ojing Perme JE 08974901524
2	Dumper	4	
3	Tractor	1	
4	Excavator/Falkland	1	
5	DG Set(135 Mv)	1	
6	DG Set(65 Mv)	1	

INVENTORY OF MATERIAL, TOOLS AND EQUIPMENT:-

Sl.no	HODS	Name of tools &equipment	Numbers	Remarks
1.	DFO	Engine boat	1 No	60 person load capacity

		Speed Boat	1 No	10 person capacity	
		Mahindra Truck	1 No	10 tons load capacity	
1	SP	Pumping boat	1No.		
		Buoy life	2Nos		
		Life jacket	5Nos		
		Rescue Rope (line)	1Nos.(5mtrs Approx)		
		Extension Ladder	1No.fitted in fire tender vehicle		
		Fire Extinguisher	Available		
		Portable Generator set	1No.		
		Shovels	2Nos		
		Folding stretcher	5Nos		
		Fire Axe	5Nos		
		Search Light	1No.		
		Spade shovel	2 Nos		
2	PWD	Spades	15		
		Shovels	20		
		Jumper	5		
		Axe	4		
		Fire Extinguisher	nil		
3	PHED		Pasighat	Nari	Mebo
		Spade	5 No's	5 No's	5 No's
		Jamper	5 No's	5 No's	5 No's
		Shovel	5 No's	5 No's	5 No's
		Pick-axel	5 No's	5 No's	5 No's
		Chain Wrench 36"	4 No's	4 No's	4 No's
		Pipe wrench 24"	5 No's	5 No's	5 No's
		Pipe wrench 18"	5 No's	5 No's	5 No's
		Pipe wrench 14"	5 No's	5 No's	5 No's
4	DAO	Knapsacks Sprayer	20 No's		
5	DFCSO	Manila Ropes	200 Mtrs		
		Plastic Ropes	1500 No's		
		Jerry cans	200 No's		
		Gunny Begg	1000 No's		
		Skid board			
		Wooden Planks			
6	CDPO	Suspen			
		Kodak			
		Steel bucket			

Man Power

Sl. No	Name of Dept.	Number of man power	Contact No.
1	WRD	50	EE-WRD 09436040536
2	SP (Quick Reaction Team)	39	
3	PWD	30	EE-PWD)09402067137
4	PHED	203	EE(PHED)0-09436246200
5	DAO	5	09402821578
6	D VO	18	09436040928
7	Station Superintendence	Staff F-12-M-	

	APST	68 Total=80	
8	RWD	134	EE(RWD)09774811272
9	JDSH(T&R)	14	
10	CDPO	74	09436416807
11	PMA	15	
12	DDSE	16	09402442854
13	DHO	18	
14	Municipal	20	Shri Tamang Darin, Mate 9862662221
15	PD	5	Shri Arun Siram APO(C) 9862647666

CHAPTER-VI

Standard Operating Procedures and Preparedness Checklist for All Departments Agencies

All the actions mentioned above are to be carried out by various departments / agencies to prevent any disaster and to minimize its affects. It is necessary that all the departments have well-defined standard operating procedures and preparedness checklists. The Deputy Commissioner must circulate the standard operating procedures among the departments / agencies and ask for compliance of the preparedness measures in the District Disaster Preparedness Committee meetings. The Deputy Commissioner should encourage all the departments to suggest changes in these procedures with a view to enhance the effectiveness of the District Disaster Management Plan.. It is absolutely important that all the departments / agencies are very familiar with the overall plan and the procedures specifically applicable to them and report diligently upon their implementation.

Standard Operating Procedures should be modified/updated and improved upon in light of changing circumstances. The Standard Operating Procedures (SOPs) of various departments at district level are given as under:

Preparedness Checklist for District Administration

Sl. No.	Preparedness Measures	Action Taken/Remarks
1.	Update District Disaster Management Plan - Phone numbers, officials, details of offices and facilities.	
2.	Check upon communication network: phones, wireless, fax, Internet etc.	
3.	Update flood and road maps of the district.	
4.	Activate District and Sub-divisional Control Rooms. Assign employees to the Control Rooms.	
5.	Convene meetings of District Disaster Management Committee	
6.	Convene NGOs' meeting; prepare a list of NGOs with their Functional Specialization and Geographical Coverage.	

7.	Check the Availability of Food Grains in PDS shops.	
8.	Prepare a List of Relief Items for Distribution.	
9.	Fix rates and supplies for relief items.	
10.	Prepare a transport plan for evacuation and distribution of relief.	
11.	Prepare a plan for VIPs' movement.	
12.	Prepare a media plan for dissemination of information to the people of the district; local newspapers, radio, TV and cable.	

STANDARD OPERATING PROCEDURES FOR THE POLICE

In-charge Officer: Superintendent of Police, East Siang District.

Preparedness

- Prepare a Deployment Plan for the Police force, based on the needs of the most vulnerable areas. Maintain a list of disaster prone areas in the district.
- Ensure that a sufficient number of police force is available for responding to any disaster.
- Constitute 'Search & Rescue' Teams from the Police force, and arrange training for these units.
- Establish coordination with the Fire Services.
- Check the wireless communication network, and secure additional wireless sets for deployment during a disaster.
- Check communication links with the District, Sub-divisional and other police Control Rooms.
- Keep the police vehicles and equipments in readiness for deployment of the police.
- Identify anti-social elements in the area and take appropriate preventive steps to ensure smooth response and relief operations.

Preparedness Checklist for the Police

Sl. No.	Preparedness Measures	Action Taken / Remarks
1	Prepare a deployment plan for police forces	
2	Check the availability and readiness of the search and rescue teams from within the District Police.	
3	Check wireless communication network and set up links with the District Control Room and Sub-divisional Control Rooms; Make additional wireless sets available.	
4	Develop a traffic plan for contingencies arising out of disasters - one-way, blocked ways, alternate routes, and traffic diversion.	
5.	Develop a patrolling plan for critical locations and marooned villages	

6.	Keep the equipments and vehicles available with the Police in readiness.	
7.	Prepare a plan for VIP visits to disaster-affected areas	
8.	Identify anti-social elements that could create nuisance and take suitable preventive action.	

Standard Operating Procedures for Water Resource Department

In-charge Officer: Executive Engineer, WRD

Preparedness

- Prepare and update the flood risk map. The map should show the river system, nalas, embankments and irrigation structures. Distribute the copy of maps to all the control rooms.
- Prepare a contingency plan for the maintenance and repairs of Bunds and embankments.
- Ensure 24x7 monitoring and reading of river level during rainy season.
- Assign 'Beat' to Junior Engineers and other functionaries of the Irrigation Department. Prepare a duty chart for In-charge Junior Engineer. Make available the list of In-charge Junior Engineers to District / Sub-divisional Magistrates, and all the control rooms.
- Make a physical inspection of all the embankments after the last floods for seepage, piping, rat holes and assess needs for repairs and reinforcement. Identify Bunds, which are critical for flood protection and control.
- Prepare a list of critical Bunds/embankments, which need repairs and reinforcement after the last floods. Submit a list of these Bunds/embankments to the District Magistrate and the state government, and ask for necessary financial allocation.
- Commence repairs of Bunds/embankments in the month of January every year after surveying the damages of floods last year, and ensure that all the repairs are completed in the month of March.
- Provide special attention to those places where the Bunds/embankments were breached and repaired during the last floods. These are the Bunds, which will be threatened first, when the floods approach.
- Undertake channel improvement for rivers and nalas. Undertake de-silting / cleaning of Nalas and canals to improve the flow of water.
- Check all the siphons and regulators on the Bunds /embankments and canals. Clean siphons before the monsoon. Increase their capacity or replace them if the size of siphons and regulators is too small to prevent water from flowing in.
- Check all the rain-gauge stations and ensure that they are functioning properly. Check that the readings from these stations are available immediately to the Water Resource Department. Prescribe a register for recording of rainfall.
- Check the wireless network connecting flood stations and undertake necessary repairs, if available.
- Set up the protocol for reporting of flood situation to the District Magistrate / District Control Room.
- Keep in readiness essential tool kits and protection material at critical places for emergency deployment. These may include:

- Empty cement bags
- Boulders
- Ropes
- Sand
- Wire mesh
- Shovels
- Baskets
- Lights
- Inform the district administration of the places where these materials have been stored.

Preparedness Checklist for Water Resource Department

Sl. No.	Preparedness Measures	Action Taken / Remarks
1.	Check the wireless network and ensure that all the flood stations are connected.	
2.	Establish mechanisms for exchange of information with Assam.	
3.	Inspect all the embankments, and check their height and slope.	
4.	Check that all the embankments have been repaired/ reinforced, in particular those Bunds which were damaged during the last floods.	
5.	Check the drainage system of the embankments and ensure that the seepage and rat holes, etc. have been closed.	
6.	Check that all the materials required for protecting Bunds/embankments have been stored at different places, and a list of these places has been furnished to the district administration.	
7.	Check that the Junior engineers and other staff have been assigned their beats, and all the arrangement for continuous vigilance over these embankments has been made.	
8.	Check that all rain gauge stations are functional, and arrangements have been made to report the readings.	
9.	Check the regulators and siphons. Check that they have been repaired and cleaned, for increasing the flow of water.	
10.	Check all the anti-erosion works, necessary to maintain the Bunds/embankments.	

Standard Operating Procedures for Health Department

In-charge Officer: District Medical Officer,

- Prepare a health contingency plan for the district. It should include a list of civil hospitals, primary health centers and sub-centers, and medical personnel. The contingency plan should also include the details of hospitals and medical practitioners in the private sector.
- Constitute mobile health units consisting of a doctor, health workers and ANMs, and prepare a deployment plan. Each mobile health unit may cover a number of villages.
- Determine types of injuries / illnesses expected. In case of floods, it should mostly be cases of drowning, snake bites, and water-borne diseases.
- Undertake vaccination in the villages most vulnerable to floods.
- Secure medical supplies in adequate quantity for dealing with these situations, which may include:
 - Oral Rehydration Solutions
 - Chlorine Tablets
 - Bleaching Powder
 - Anti-snake Venom
 - Anti diarrheal and Anti emetic Medicines
 - Intravenous fluids
 - Suture Materials
 - Surgical Dressings
 - Splints & Plaster Rolls
 - Disposable Needles and Syringes
 - Local Antiseptics
- Ensure adequate supplies of blood in the district.
- Keeps one operating facility in each block in readiness. Maintain all the equipment necessary for operations.
- Prepare a maternity facility for pregnant women in every block.
- Seek mutual aid arrangement with civil and military hospitals in the district.
- Arrange provision of clean water in hospitals and Primary Health Centers.

Preparedness Checklist for Health Department

Sl. No.	Preparedness Measures	Action Taken / Remarks
1	Prepare a Health Contingency Plan for deployment of health and medical personnel	
2	Organize vaccination in Flood-prone villages	
3.	Ensure necessary stock of medical supplies and blood	
4.	Organize maternity care centers in every block.	
5.	Keep operative facilities in readiness.	

Standard Operating Procedures for Agriculture Department

In-charge Officer: District Agriculture Officer, East Siang District.

Preparedness

- Ensure that certified seeds of required varieties are available in adequate quantities.
- Print and widely distribute the list of points where certified seeds are available along with names of varieties and rates. Notices may be affixed at public places such as bus stands, on buses themselves, PHCs, Block headquarters, etc.
- Suggest variety of seeds and cropping pattern, which can cut losses and reduce the risks to farmers.
- Develop a pest and disease monitoring system so that timely steps can be taken to reduce damage to crops.

Preparedness Checklist for Agriculture

Sl. No.	Preparedness Measures	Action Taken / Remarks
1.	Check the availability of seeds, and disseminate information about the outlets where seeds can be made available.	
2.	Set up a public information system regarding sowing of crops, alternative crops, pests, and application of fertilizers.	
3.	Prepare a program for spray of pesticides and insecticides after the floods.	

Standard Operating Procedures for Animal Husbandry

In-charge Officer: District Veterinary Officer.

Preparedness

- Prepare a list of flood-related diseases that are preventable by vaccination. Publicize the information about common diseases affecting livestock and the precautions that need to be taken.
- Assist the District Administration in preparing plans for cattle camps and cattle feeding centers.
- Organize vaccination campaigns in flood-prone villages before, during and after the floods.
- Prepare kits for veterinary diseases, which could be provided to veterinary doctors at the block level and Extension Officers at the village level

Preparedness Checklist for Animal Husbandry

Sl No.	Preparedness Measures	Action Taken / Remarks
1.	Publicize the list of common ailments during floods and	

	possible precautions.	
2.	Organization of vaccination for cattle in flood-prone villages.	
3.	Prepare a plan for setting up cattle camps and cattle feeding centers.	
4.	Prepare kits which could be given to Veterinary doctors and Animal Husbandry workers.	

Standard Operating Procedures for PHED

In-charge Officer: Executive Engineer, PHED,

Preparedness

- Increase the height of pipe by adding a pipe of 3 to 10 feet. It helps extract clean drinking water during the floods.
- Keep hand pumps, pipes and sockets in readiness and install them as soon as flood situation arises.
- Rain water may be harvested during rainy season for alternative drinking water during flood.
- Keep the water tanker in running condition.

Preparedness Checklist for PHED

Sl. No.	Preparedness Measures	Action Taken / Remarks
1.	Keep hand pumps, pipes and sockets in readiness for installation / increasing the height of pipes.	
2.	Obtain a list of temporary shelters where people may take shelter in case of any disaster. Prepare for arrangement of water supply at all such locations.	
3.	Maintain adequate stock of chlorine tablets and bleaching powder.	

Standard Operating Procedures for Forest Department

In-charge Officer: Divisional Forest Officer,

Preparedness

- Allow the transportation of fodder from forest areas, when the fodder is not freely available.
- Provide wooden poles and bamboo for relief and reconstruction at subsidized rate. Provide these materials to all the technical departments, which need them.

Standard Operating Procedures for PUBLIC WORKS DEPARTMENT.

In-charge Officer: Executive Engineer, PWD.

Preparedness

- Maintain all the highways and access roads, which are critical from the point of view of supplying relief.
- Increase the size of bridges, if necessary, so as to prevent breach of roads and Bunds. Smaller bridges prevent flow of water.
- Construct / reinforce the connecting roads from villages to roads, canals and Bunds/embankments.
- All equipments i.e, Bulldozers, Crane, Truck etc. must be checked and keep in readiness for use during disaster.
- Check and repair all the drainage systems in the rural and urban areas before the monsoon season.

Standard Operating Procedures for the Power Department

In-charge Officer: Executive Engineer, Power (E)

Preparedness

- Protect Power Stations from water logging. Raise the height of compound walls. Arrange gunny bags. Install pump sets for draining water.
- Check the electrical lines on a continuous basis. Switch off the power supply, where the lines have tripped.
- Provide information to the people about the state of electrical supply. It is one of the most important sources of information.
- Take special care to ensure that all the critical facilities like hospitals, Control Rooms, etc. continue to get power and they are functional.
- Alternative arrangements should be made for emergency services.

Standard Operating Procedure for Department Of Transportation

In-charge Officer: EAC/CO(TPT)/District Transport Officer,

Preparedness

- Prepare a list of vehicles—trucks, buses, MUVs and SUVs in the district and provide the list to the District Control Room.
- Provide Tata Sumo and other vehicles for mobile health and animal husbandry teams.
- Provide trucks, buses and Tata-Sumos for evacuation and relief supplies.
- Issue standing instructions to the Suptd.of APST for providing buses for evacuation and relief.
- Training of Functionaries
- The district administration should arrange periodical training programme for all concerned departments. The programme may be organized at district headquarters or at Block Headquarters and select officials may be sent training at state/ national training centers.

These trained officials should be entrusted to train other lower level officials and Panchayat representatives. Training camps may be organized at district level in which experts may be invited from reputed institutes.

- Simulation exercises/ Mock Drill
- Periodic simulation exercises may be carried out to test the preparedness of all concerned role players. Drills may be carried out at various sites ie Hospital, Offices, Schools, Markets etc. The shortcomings and weaknesses observed during this must be identified and eradicated with proper and timely action.

Chapter-VII

PERSON TO CONTACT:-

Sl.No	Name	Designation	Contact no.
1.	Shri Tamiyo Tatak	DC	03682222340(o)0368-2222222 9436208329(M)
2.	Shri Tatdo Borang	ADC	0368-2222008(o)9436253603(M)
3.	Shri Pranab Tayal	SP	03682222211,2224001(O)03682224002
4.	Smti Genden Tsomu	DDMO	9436053326(M)2223448/1077(O)
5.	Shri, Joram Lali	EE(Elect)	03682222364(0)9862110774(M)
6.	Er. Bimal Welly	EE(PHED)	0368-2223088(0) 9436246200(M)
7.	Shri Tameng Jamoh	EE(PWD)	03682222332(0)9402067137(M)
8.	Shri Mukling Tayeng	EE(RWD)	03682222544(0)9774811272(M)
9.	Shri Tamo Jamoh	EE(WRD)	9436040536/9485231314
10.	Shri Kogo Riba	EE(T&G water)	03682222479(0)9436259676
11.	Shri	OC,(BRTF)	03682222124(0)8256972949(M)
12.	Shri Duyu Habing	AE (Hydro Power)	09436228793
13.	Col H. Padmanabhan	OC,(NCC)	03682222007(O)0368- 2222342I/8547938928/ 9842311064
14.	Dr. Mindip Perme	DMO	0368-2222253(O)0 /09436248757
15.	Dr. Kebang Lego	JDHS(T&R)	03682222249/2222602/22224285 (O)
16.	Smti Y J Lego	DDAO	09402821578/0368-2222249(O)
17.	Shri Okong Tabing	DHO	0382222403 (O) /9862812106
18.	Dr. Jikom Panor	DVO	03682222725,2222018(O) 8415802294
19.	Shri Jongge Yirang	DDSE	9436043248/ 8259838134
20.	Shri Bijoy Pertin	DF &CSO	0382222213 (O) 08794356516 (M)
21.	Shri Sibon Passing	PD(DRDA)	9436259585
22.	Sri Onyok Panyang	CDPO	09436416807
23.	Shri Obang Taggu	ASS(APST)	03682222010 (O) 09436222387 (M)
24.	Shri Ainstein Koyu	MEO	9402621948
25.	Shri Marbang Ezing	DIPRO	09436630007(M)8974550562(M)
26.	Shri JB Nabam	PEX .(AIR)	03682222023/2222521(O) /9612159757
27.	Shri PK Thungon	DD-UD&H	03682223204(O) 9436248213
28.	Dr.K.K Mishra	I/C NCC JNC	9436043388(M)03682224873
29.	Shri Talut Talom	I/C NCC,JNC	9436057972 (M)
30.	Shri T. Padung	(DTO) Scout & Guides	9402926517
31.	Shri T. Devaraj Singh.	DIO	9402476554(M)
32.	SmtiPonungEringAngu	DD(ICDS)	09436045197
33.	Shri Dani Taser	DSO(ststic)	9436255338
34.	Dr. Y.R. Darang	Medical suptdt.	09436043029
35.	Shri M. Jamoh	DDI	
36.	Sri Kaling Dai	ZPC	09436289280(M)
37.	Sri Kaling Doruk	Chief Councilor	07085688176
38.	Shri Ojing Nangkar	DLRSO	
39.	Capt Abhishek Mishra	218 MED regt Sigar	9752894184/9402522411
40.	JS Bascematary	6/186 BN CRPF	09402476763

OUT POST ADMIN OFFICERS Contact numbers:-

S/no	Name & Designation	Place	Contact no.
1.	Shri T. Pada ADC	RUKSIN.	09863788950
2.	Shri Bani Lego	NARI.	0638-2255418/9436043742
3.	Shri Yemling Tayeng ADC	MEBO.	09402478606/2262210
4.	Smti Sangita Yirang,EAC	MEBO.	0368-2262208
5.	Shri V. Tamuk, CO	RUKSIN	09436249663
6.	Shri Starlie Jamoh, EAC	KOYU	09436895220
7.	Shri Ocean Gao, CO	SILLE-OYAN	09436046324
8.	Shri P. Tayeng CO	SEREN.	09612344921
9.	Smti M. Kakki CO	KORA	09402478573/8415810010
10.	Smti G. Jongkey CO	BILAT.	09436835999
11.	Shri John Modi CO	YAGRUNG.	09436259589
12.	Shri A. Pangging CO	NAMSING	09436249191

NODAL & ALTERNATE NODAL OFFICER

Sl. No	Department	Name & Designation of Nodal officer	Contact No.	Name & Designation of Alternative Nodal officer	Contact No.
1	WRD	Er. Tamo Jamoh ,EE	9436040536/ 9485231314	Er.Bising Darin, AE Er. Osem Jamoh ASW	-09402943811 -09863120662
2	PMC	Shri Ainstein Koyu MEO	9402621948	Shri Tani Taloh ATP	9436096222
	DUDA	Shri PK Thungon	9436248213	Shri Kaling Dai	7005647518/825 7020550
	DMO	Dr. Mindip Perme	09436248757	Dr. T. Gao	943628931
2	SP	Tab Tech, DSP	9436221956	T.Tatak , Inspr	09436219904
3	PWD	Er.Tameng Jamoh,EE	9402067137	Er.Tasiram Pertin,AE-II Er.BinamMesser,AE-II	09436043511 09436271645
4	PHED	Er. Bimal Welly	9436246200	Er.Er. KalingTaki, AE	08974639827/94 36050729
5	DAO	Shri Miram Perme, ADO	09402622049	Sri Davit Tayeng, AMI	09612022583
6	POWER	Shri Joram Lali,EE(E)	09436040076	Er.Kabit Darang,AE(E)	08131819729
7	DHO	Ms. Omeng Ering HDO	09436057673	Sri Oter Gao, HDO	09436043436
8	DVO	Dr.N.Taloh,SVO,Psgt	09436043936	Dr. R.Chowdhuri ,SVO .Bilat	08014180983
9	JDH(T&R)	Dr.O.Moyong, Med. Supdt.	094360553568	Dr.RadeshTatan, SMO(SG)	09436043886
10	DFO(T)	MrT.Mibang, ACF	09436222925	Sri OsarGao, FR	09402450294
11	Hydro	A.Perme AE.	09436860882		
12	PMA	Shri. OnyokTamuk President.	09612563180	Sri K.N.Thakur,G/Secy AMP	09862299036
13	DDSE	Shri Jongge Yirang	9436043248/ 8259838134	Sri Mary Siram DAEO	9436043090
14	Medical superintend ent	Dr. Y.R. Darang	0368-2224285 09436043029		
15	6/186 BN CRPF	JS Bascematary	09402476763		

Note:-

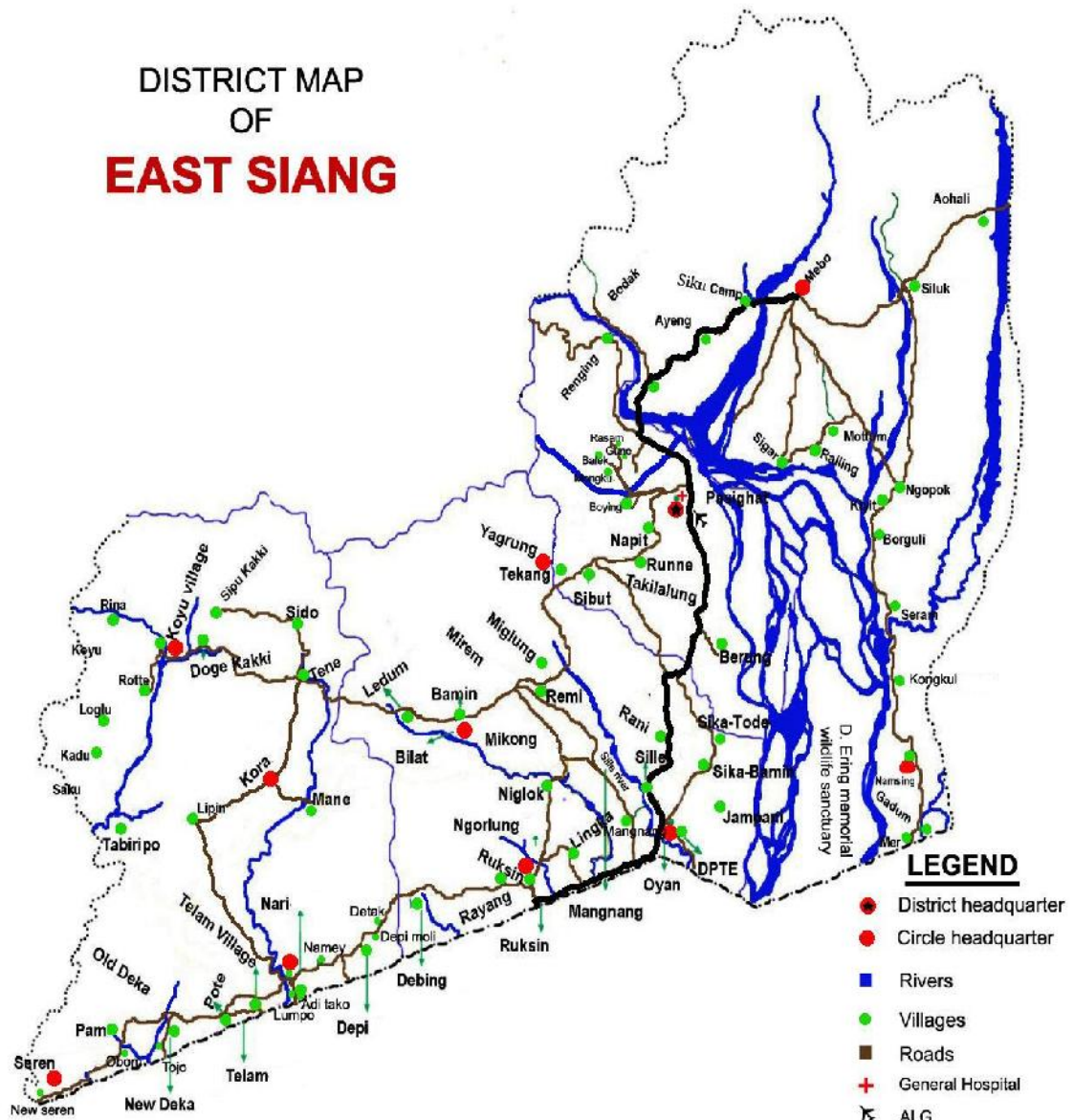
Similarly, the contingency plan of Disaster Management shall be prepared immediately at Sub-Divisional Level, circle Level and Village Level by the concern Administrative officer Block development officer and PRI member and furnish the copy of plan to the Deputy Commissioner.

Genden Tsomu
Member Secy.
District Disaster Management Authority
East Siang District
Pasighat.

Tamiyo Tatak, APCS
Chairperson
District Disaster Management Authority
East Siang District
Pasighat.

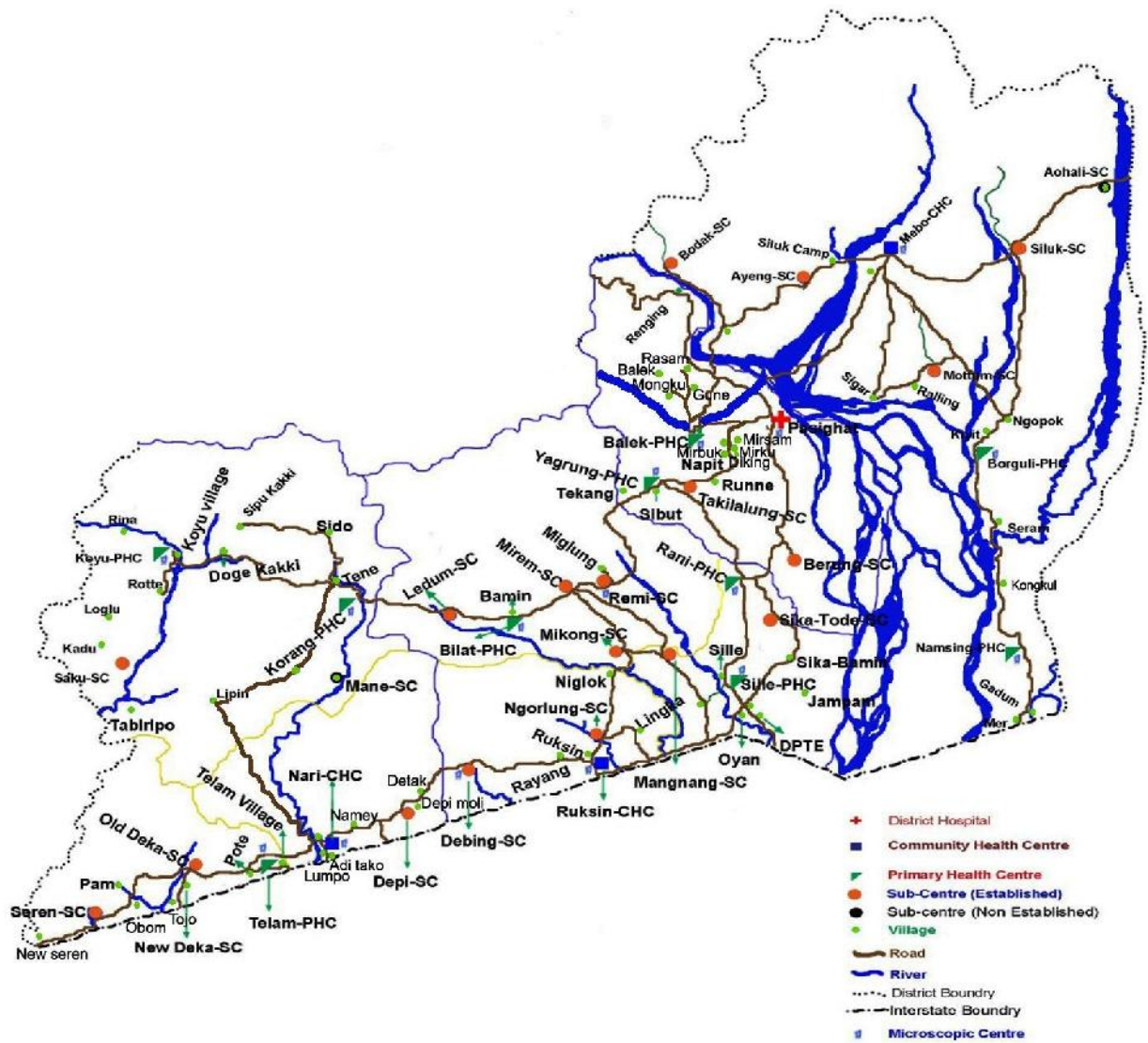


DISTRICT MAP OF **EAST SIANG**



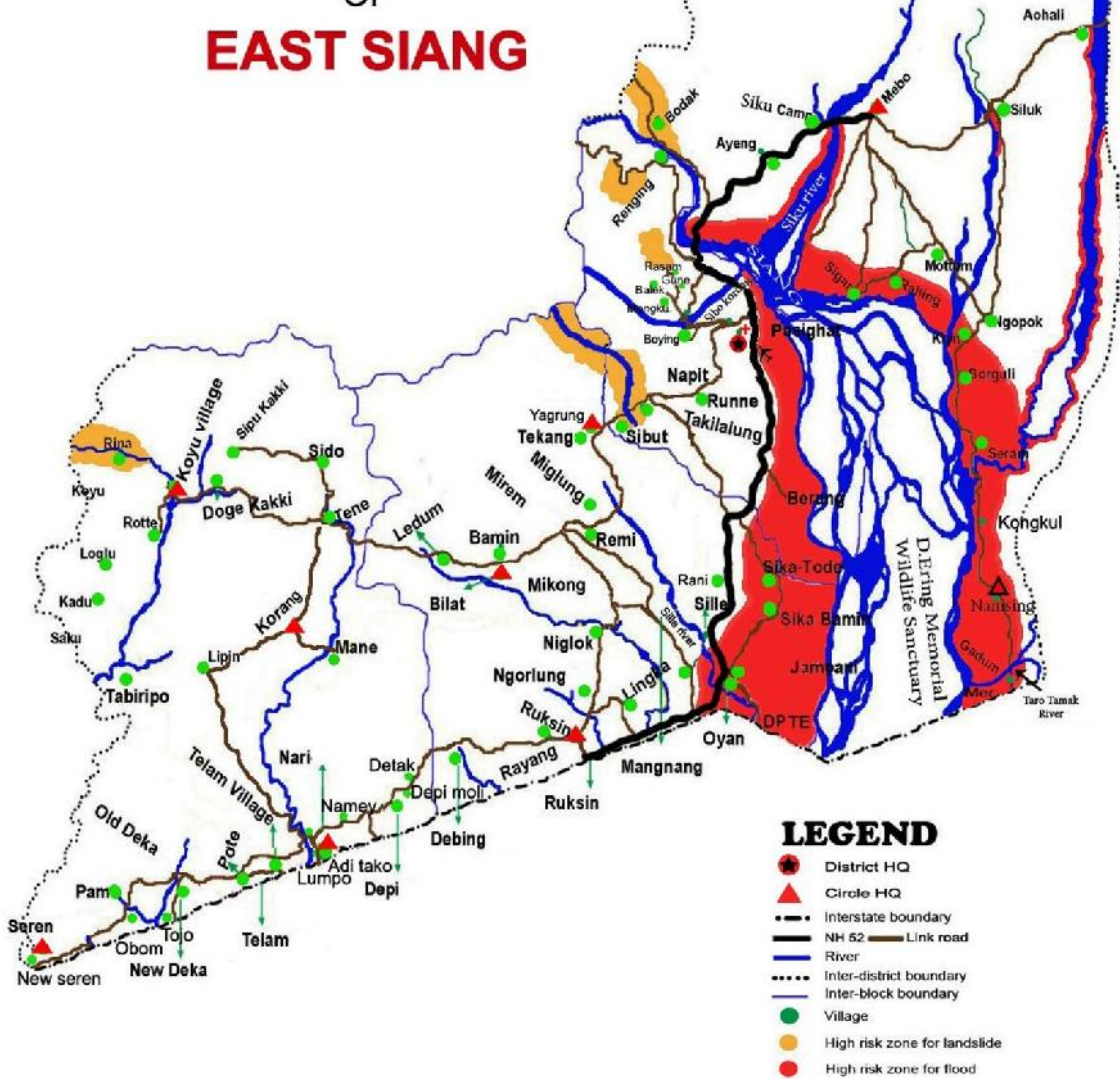


RESOURCE MAP OF **EAST SIANG DISTRICT**



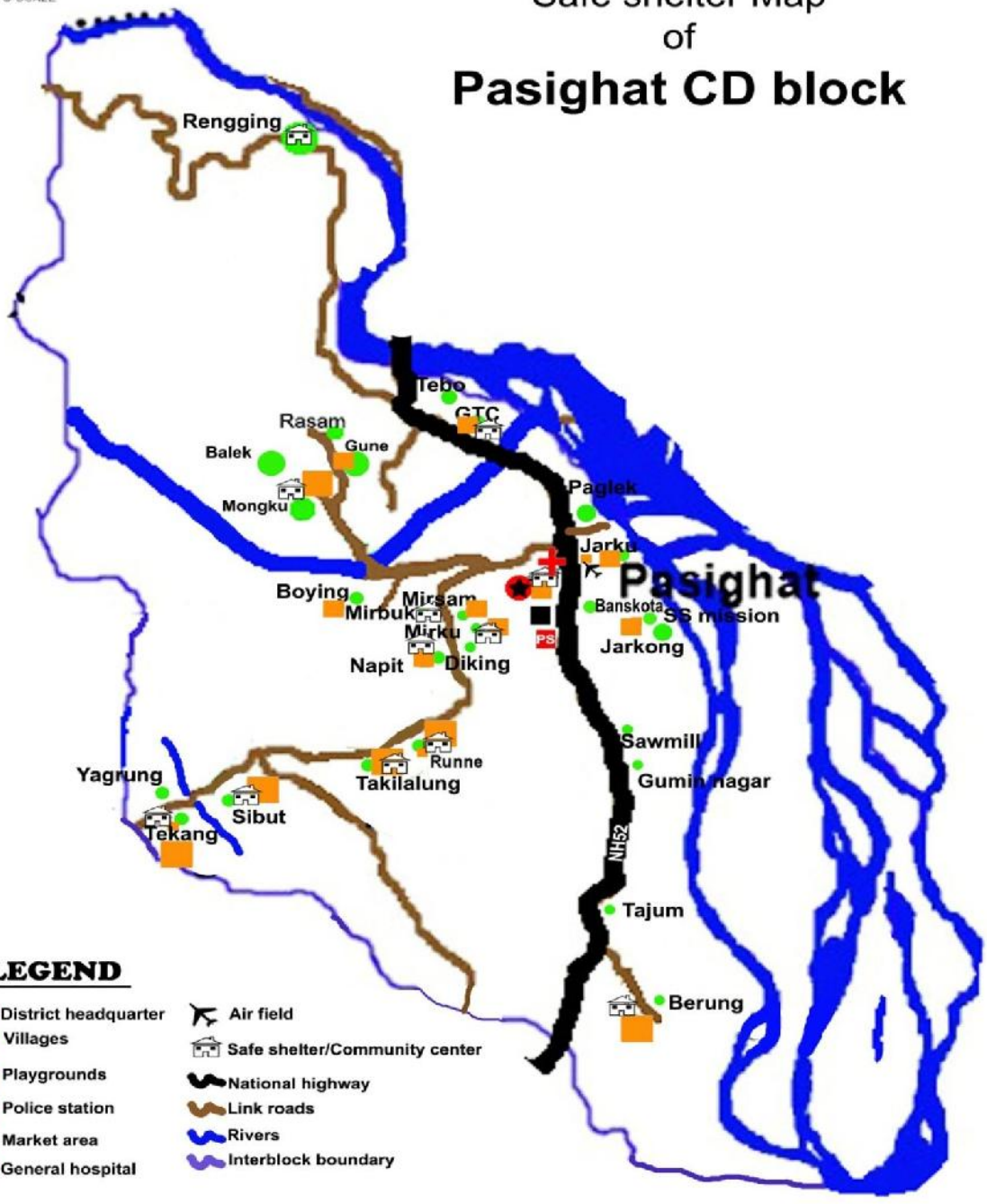


RISK MAP OF EAST SIANG





Safe shelter Map of Pasighat CD block

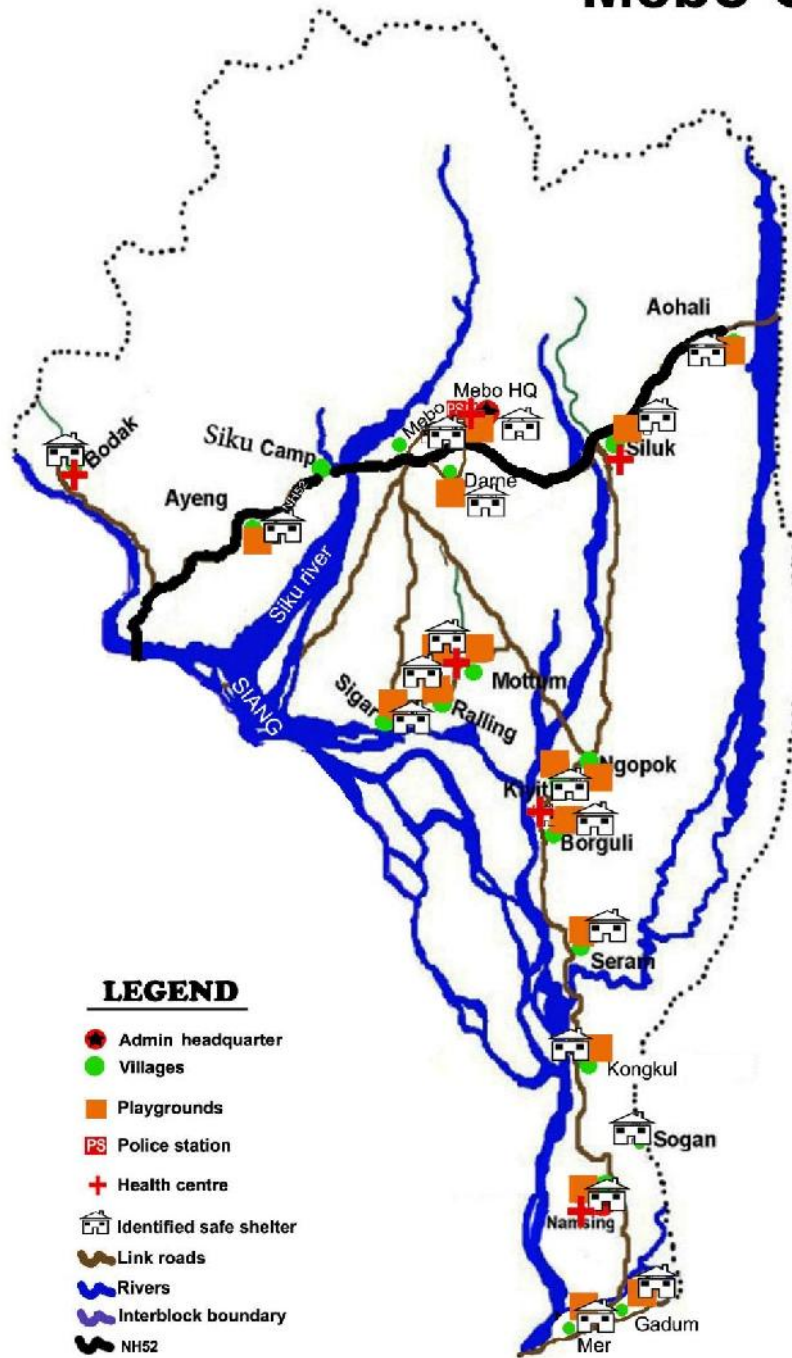


LEGEND

- District headquarter
- Villages
- Playgrounds
- PS Police station
- Market area
- + General hospital
- Air field
- Safe shelter/Community center
- National highway
- Link roads
- Rivers
- Interblock boundary

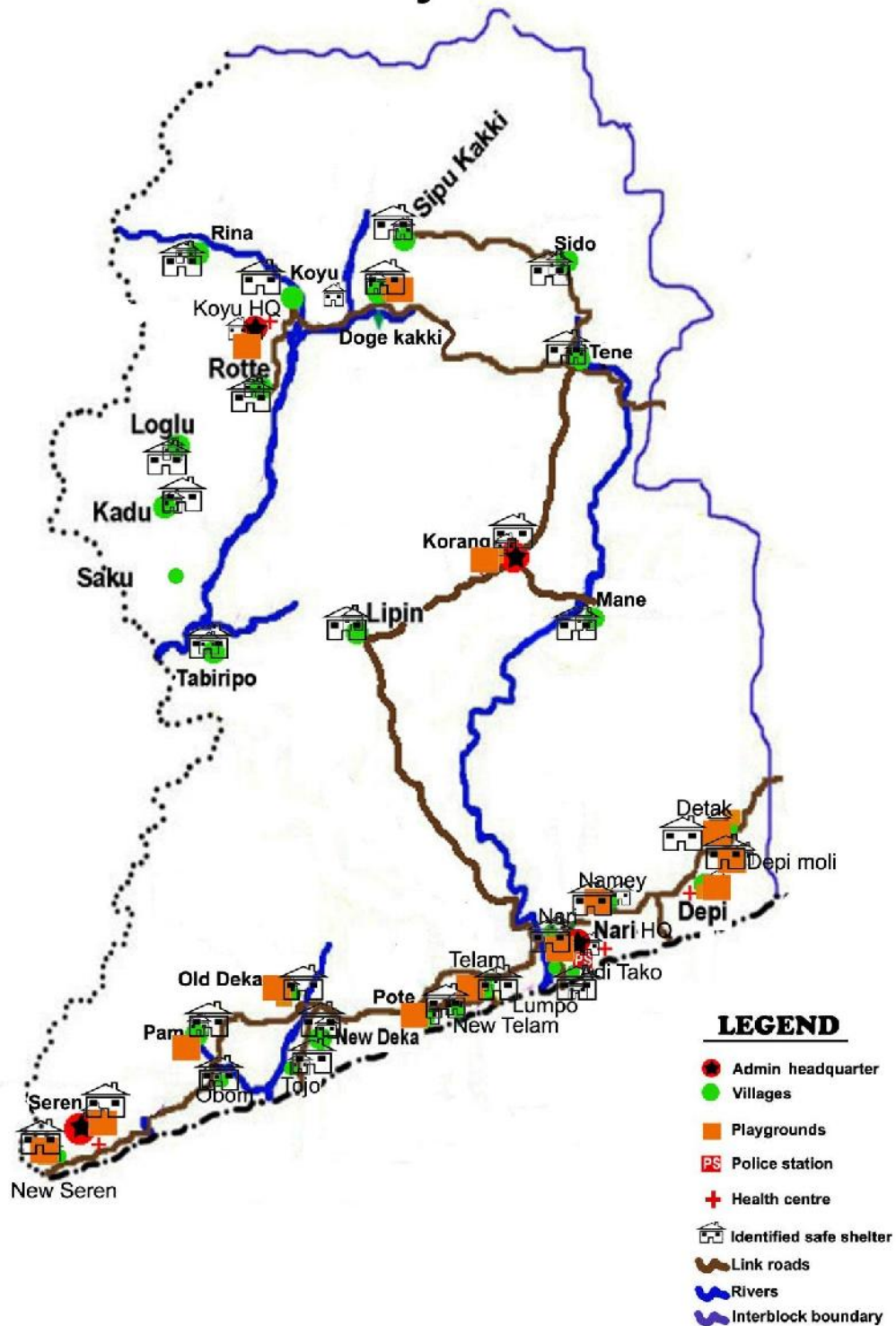


Safe shelter map of Mebo CD block





Safe shelter map of Nari-Koyu CD block





Safe Shelter map of Ruksin CD block

