

[Year 2012-2013]



DISASTER MANAGEMENT PLAN KHOWAI DISTRICT



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P R E F A C E

*The District Disaster Management Plan (DDMP)-2011-12 document of Khowai District consists of two volumes. The first contains the **operational plan and strategy and guidelines on Disaster Management** and **second one emphasizes Emergency Support Function Plan of the different line departments**. The plan is strategically planned to serve as an operational strategy and guide not only for the Officials but also for the common man of the District. The operational plan emphasizes on precautionary measures to be taken prior to or at the time of occurrence of disaster. It also describes roles of main stakeholders in dealing with the disaster elaborately with special emphasis on pro active actions strategy. It is expected that all major stakeholders should acquaint themselves with this plan and take / adopt to build up and plan to mobilize their own resources so as to meet desired goals in this regard & minimize casualties loss of lives & properties.*

The District Disaster Management Plan of Khowai District tries to bridge the gap between the missing links of actual field situation and contingency plans at higher level. The present document will help in identifying some vulnerable pockets, the safest places where people can take shelter and food can be stored at the time of crisis. It is expected that the present form of DDMP, Khowai District would serve as a useful document for the District Administration as well as for the public in reduction of loss of lives and loss of property at the time of natural calamity.

District Magistrate & Collector,
Khowai District

CHAPTER –1

Multi Hazard Preparedness and Response Plan

1.1 Aim:

The Khowai district is a multi hazard prone district to Flood, Cyclone, Earthquake, Forest Fire and epidemic. The entire State of Tripura is situated in seismic zone-V which is prone to moderate to high intensity earthquakes. So the disaster management planning of this district may be referred to the inevitable plan, strong administration unit of linkup between the top & bottom of administrative unit and to the grass root level transmission link. It is no doubt that the formulation of disaster plan is for preparedness and commitment for its positive implementation at the hour of crisis.

The DDM plan is viable because it envisages the following factors critically from a practical point of view:

- Risk assessment & vulnerability analysis.
- Culture of quick and effective response.
- Maintaining cohesiveness & uniformity in the formulation of a strategy taking a wide range of heterogeneous factors posed by a Disaster.

1.2 Objective

The Khowai District Disaster Management Plan formulated with a view to create a effective and realistic strong fail proof communication, authentic and accurate data base, full proof documentation and rehearsal in the community in the shortest possible time with minimum simple orders and procedures so that the people will get get maximum benefit. The plan document envisages and ensured that the Community shall be actively participate in all levels with optimum utilization of men, materials available resources etc with no gaps or no over laps to prevent loss to lives and minimize loss to property. The purpose of the present document also meant for ensuring fastest approach for rescue, rehabilitation and to avert further miseries of the calamity stricken people. The DDMP would act like a true friend, which will guide the entire administration machinery at the time of disaster preparedness and at the time of relief operation provide courages to the community to face the eventuality bravely and boldly.

District Profile

1.3 LOCATION.

➤ **AREA & ADMINISTRATIVE DIVISION**

1	Geographical area of the district	1377.28 sq. kms	
1	No. of Sub Division	2	
1	No. of Blocks	6	
1	No of Gp/Vc	107	
2	No of Revenue Circles	3	
1	No. of Nagar Panchayat	2	
1	No. of Tehsil	2	15
1	No. Of Maujas	79	

1.4 BLOCK INFORMATION VIS A VIS SUB DIVISION:-

1.4 BLOCK INFORMATION VIS A VIS SUB DIVISION:- NAME OF THE SUB-DIVISION	NAME OF THE BLOCK	NO. OF G.P/ ADC VILLAGE	TOTAL
Teliamura	Teliamura	51	51
	Mungiakami		
	Kalayanpur		
Khowai	Khowai	56	56
	Tulashikhar		
	Padmabill		
	Kalyanpur		
Total		107	107

1.5 POPULATION: - (According to 2011 census)

Total area (in sq. kms.)	1377.28Sq. Kms.
Total population (census- 2011)	362868 nos.
Urban Population	63503
Rural population	299365
Total Population in all Sub-Divisions	362868 nos.

1.6 NAGAR PANCHAYAT INFORMATION

Sl. No	Name of Nagar Panchayat	No. of Ward	Name of the Chairman	Telephone Number	Name of Executive officer & contact No
1	Teliamura Nagar Panchayat	15	Sri. Sukhendu Bikash Das (9436495474)	(03825) 262 218(O)	Mrs. M. DebNath, 9436503316
2	Khowai Nagar Panchayat	15	Smti. Sukla Sengupta	(03825) 222 283(0)	A. Baidya 9436952458/ 9436473162

1.6.1 PANCHAYAT SAMITI INFORMATION

Sl. No	Name of the Panchayat Samiti	Name of Chairman/ Chair Person	Telephone Number(Contact No)
1	Teliamura	Smti. Sita Debnath	03825-262264(O)/9436351720
2	Kalyanpur	Shri Sankar Das	03825-261652 (O)/9636934126
3	Khowai	Shri Bidyut Bhattacharjee	03825-222376 (O)/9436518827

1.6.2 BLOCK ADVISORY COMMITTEE (BAC) INFORMATION

Sl. No.	Name of the BAC	Name of Chairman/ Chair Person	Telephone Number(Contact No)
1	Teliamura	Shri Dayal Mohan Jamatia	9862389033
2	Kalayanpur	Sunil Debbarma	9436492077
3	Mungiakami	Shri Aghore Debbarma	9436527675
4	Tulashikar	Sri Sachindra Debbarma, MLA	9436501960
5	Padmabill	Sri Padma Kr. Debbarma, MLA	9436126861

1.7 RAIN FALL, CLIMATE, TEMPERATURE

- Normal Rainfall of the District : 2718 MM
- Total average rainfall for the last 11 years:

SL. NO.	YEAR	AVERAGE RAIN FALL (in mm)
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1.	1999	2506.9
2.	2000	2862.7
3.	2001	3421.7
4.	2002	2644.0
5.	2003	2034.2
6.	2004	3156.4
7.	2005	2054.9

1.8 RAIN RECORDING STATIONS

Total No. of Rain Recording stations in the district	2 Nos.
Location of Rain Recording stations	Teliamura, Khowai,
Frequency of submission of rain fall data	Weekly, Fortnightly, Monthly.
Designated Rain Recording Officers	
Mode of transmission of rainfall data	By post and over telephone.

1.8.1 Telephone Numbers of the Rain Recording stations

Name of the Recording Station	Telephone Number
Teliamura	03825-262-274
Khowai	03825-222-264

1.8.2 INDIAN METEOROLOGICAL DEPARTMENT (IMD)

Name of the Location	Telephone Number
Agartala Airport	2342295/2342253(F)/23414 (Internet)

1.9 MONTH WISE HIGHEST AND LOWEST TEMPERATURE IN DEGREES (CELSIUS) FOR THE YEAR 2003 RECORDED IN CENTER

SL. NO.	MONTH	MAXIMUM TEMPERATURE	MINIMUM TEMPERATURE
1	JANUARY	22.7	9.9
2	FEBRUARY	27.25	15.4
3	MARCH	30.1	17.7
4	APRIL	32.5	22.5

5	MAY	32.46	22.82
6	JUNE	32.8	23.7
7	JULY	31.9	24.9
8	AUGUST	32.3	25.3
9	SEPTEMBER	32.0	24.9
10	OCTOBER	30.9	24.1
11	NOVEMBER	28.0	17.3
12	DECEMBER	25.4	14.1

1.10 RIVER CARRYING CAPACITY

SL. NO	NAME OF THE RIVER	FLOOD TIME GAUGE STATION	DANGER LEVEL IN MTS.	EXTREME DANGER LEVEL IN MTS.
1	KHOWAI	Khowai	24.50	25.00

Chapter-2

Different Committees

2. 1 DISTRICT DISASTER MANAGEMENT AUTHORITY

SL. NO	Name	Designation	Contact No
1.	Tanusree Deb Barma,	D M & Collector	03825-222006(o)/9402136677
2.	Zilla Sabhadhipati, Paschim Tripura Zilla Parisad.	Co. Chairperson	0381-2225125/ 9436462702
3.	S. Karmakar	Addl. DM&Collector, Khowai District	9436136475 /03825-222026
4.	Pradip Paul	Supdt. Of Police, Khowai	03825-222065
5.	P.K Majumder	CMO, Khowai	03825-222669/9436126119
6.	P. Sutradhar	E/E, PWD(R&D), Khowai	03825-22243/9436120157
7.	A.K Deb	E/E, PWD (R&B), Teliamura	9436124948/032825-262223
8.	S. Bhattacharjee	E/E, R.D Teliamura	9436123359/03825-

			262095
9.	N.P Chakrobarty	E/E, DWS Kalyanpur	9436137788/03825-261295
10.	Mishan Kanti Roy	O/C, Fire service, Khowai	101/03825-222261

2.2 Teliamura Sub Divisional Disaster Management Committee

Sl No	Name	Designation	Contact Numbers	Roles and Responsibility
1	SDM ,Teliamura	Chairman	03825-263-622	<ul style="list-style-type: none"> -Coordination with all line departments -Facilitating in Sub Divisional Level Planning for-Mitigation, preparedness, Response and Management -Gap analysis, -Vulnerability analysis -Risk assessment -Initiatives for capacity building (Training, activities) -Monitoring the whole process (Disaster Preparedness, Mitigation Response, and Management) -Inputs for updating Block level, Sub Divisional level Plan -Re-designing of Action Plan, Committee set up, responsibility as per suggestion. -As per need
2	SDO, DWS Teliamura	Convener	03825-262-224	<ul style="list-style-type: none"> -To ensure smooth drinking water supply during disaster and after disaster to the affected community and in shelter place. -To disinfect water sources (if water sources are reported

				<p>infected)</p> <p>-To ensure water supply lines/ points are protected from erosion and water logging.</p> <p>-Preparing contingency plan for any emergency</p>
3	BDO ,TLM	Member	03825-262-253	<p>-Sharing of Progress Report (achievement), Gaps (identified), situational analysis report (area/ GP wise)- <i>Vulnerability and Risk assessment and capacity.</i></p> <p>-Plan of Action Sharing (on mitigation, response preparedness and management activities undertook to reduce vulnerability and risk and outcome of the same.)</p> <p>-Coordination</p> <p>-Monitoring of preparedness level (Sub divisional area)</p>
4	BDO,KLNP	Member	03825-261-375	Do
5	BDO, MGK	Member	9436593362	Do
6	SDO, PWD, Teliamura	Member	03825-262-250	<p>-Ensuring and monitoring earth cleaning work in the Teliamura Block, Nagar Panchayet and Mungiakami Block area.</p> <p>-preparing contingency plan for any emergency arrives.</p>
7	SDPO, Teliamura	Member	03825-262-234	Monitoring and facilitating Rescue operation and law and order.
8	DCM, Teliamura	Member	03825-262-342	<p>-Relief distribution to affected community</p> <p>-Monitoring the over all situation and reporting to SDM</p>
9	DCM, Maharaniapur	Member		-Relief distribution to affected community

10	MOIC,Teliamura Rural Hospital	Member	03825-262-226	<ul style="list-style-type: none"> -Stock piling of life saving medicines for emergency -Transferring medicine stocks for First Aid to the GP Volunteers/ Sector Assistants (as per requirement) -Preparing contingency plan for emergency -Facilitating Training program on First Aid for GP and Sub Divisional level Volunteers
11	O/C, Police Station,Teliamura	Member	03825-262-221	Monitoring and facilitating Rescue operation and maintaining law and order.
12	O/C.Mungiakami, P.s	Member	03825-295-897	Monitoring and facilitating Rescue operation and maintaining law and order.
13	Sr.Manager,TSECL,Teliamura-1	Member	03825-262-231	<ul style="list-style-type: none"> -Ensuring energy supply in the shelter places -Ensuring alternative power supply for emergency (contingency plan)
14	Sr.Manager,TSECL,Teliamura-2	Member	9436134831	<ul style="list-style-type: none"> -Ensuring energy supply in the shelter places -Ensuring alternative power supply for emergency (contingency plan)
15	SDC, Food	Member	03825-262-342	<ul style="list-style-type: none"> -Ensuring food items distribution to affected community as well as in shelter places and PDS works smoothly. -Preparation of contingency plan for distribution of food items/ rice/ salt/ sugar etc through PDS and Stock piling of the same
16	CDPO,Teliamura	Member	03825-262-171	Monitoring the shelter places – food, health and sanitation, camp

				management, -Conducting awareness program with lactating mothers, children on Dos and Don'ts in ICDS centre
17	O/C fire Bridget,Teliamura	Member	03825-262-210	Monitoring and facilitating Rescue operation -Facilitating Training programs on Rescue for GP volunteers and Sub Divisional level Volunteers
18	SDO,PWD ,Kalyanpur	Member	03825-261-389	-Ensuring and monitoring earth cleaning work in the Kalyanpur Block area. -preparing contingency plan for any emergency arrives.
19	SDO,DWS,Kalyanpur	Member		-To ensure smooth drinking water supply during disaster and after disaster to the affected community and in shelter place. -To disinfect water sources (if water sources are reported infected) -To ensure water supply lines/ points are protected from erosion and water logging. -Preparing contingency plan for any emergency
20	CDPO,Kalyanpur	Member		Monitoring the shelter places – food, health and sanitation, camp management,
21	Executive Engineer, DWS, Kalyanpur	Member		-To ensure smooth drinking water supply during disaster and after disaster to the affected community and in shelter place. -To disinfect water sources (if water sources are reported infected) -To ensure water supply lines/

				points are protected from erosion and water logging. -Preparing contingency plan for any emergency
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CHAPTER- 3

DEMOGRAPHIC INFORMATION

3.1 Land use pattern.

1	Total cultivated area of the District	NA
1	Cultivable wasteland	NA
1	Forest Area	NA
	Misc. Tree, permanent pasture, land put to Non-Agri. use, Barren & Uncultivated land. .	NA
1	Current Fallow	NA
1	Other Fallow	NA
1	Net Area Sown	NA
1	% of Forest area of the district to State total :	NA
1	% of Forest Area of the District	NA

3.2. Functional Drinking Water Sources(Serviceable)

Sl.No.	Name of the Bock	No. of shallow tube wells	No. of Masonry wells	No. of MII/ MIII Tube Wells	No. of habitations with
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					tap water
1	Khowai	682	152	309	
2	Kalyanpur	58	116	192	
3	Padmabill	7	148	114	4
4	Mungiakami				
5	Tulashikhar	140	300	196	7
6	Teliamura	638	135	193	

3.3 Functional Drinking Water Sources.(Data received from Superintending Engineer, PHE Circle-I)

Sl.No.	Name of the Bock	Deep tube well Nos.
1.	Khowai	11
2.	Kalyanpur	9
3.	Padmabill	2
4.	Mungiakami	2
5.	Tulashikhar	4
6	Teliamura	11

(B) DRINKING WATER SOURCES IN URBAN AREAS:

Sl.No.	Urban Area	Source
3.	Khowai	1 Treatment Plant under construction. 2 4 DTW.
5.	Teliamura.	1 Treatment Plant being started. 2 5 DTW.

3.4 AVAILABILITY OF IRRIGATION FACILITIES

(Scheme wise and Block wise Ayacut.)

Sl. No.	Name of Block	L.I.	D.T.W.	Diversion	Total	Total Command area (Ha)
1	Khowal	24	4	1	29	1497
2	PDL	2	3	0	5	145
3	TLSK	9	1	0	10	412
4	TLM	26	4	1	31	1564
5	KLN	16	3	1	20	1311
6	MGKI	2	0	0	2	95
Total		79	15	3	97	5024

Sl. No	Name of the Block	Completed Project.	Partly Completed projects	Total Projects	Programme for 2004		Remarks
					No.	Area	
1.	KHOWAI	29	4	33		Not yet finished	
2.	PADMABILL						
3.	TULASHIKHAR	12	2	14			
4.	TELIAMURA	29	1	30			
5.	KALYANPUR	14	9	23			
6.	MUNGIKAMI	2	3	5			

3.5. Infrastructure.

Khowai RD Block	No. of Post offices	12 Nos.
	% of village electrified	60%
	No. of scheduled commercial Banks :	1 No.
	No. of PACS	10 Nos.
Padmabill RD Block	No. of Post offices	-
	% of village electrified	70%
	No. of scheduled commercial Banks :	1 No.
	No. of PACS	2 Nos.
Tulashikhar RD Block	No. of Post offices	8 Nos.
	% of village electrified	40%
	No. of scheduled commercial Banks :	1 No.
	No. of PACS	2 Nos.
Teliamura RD Block	No. of Post offices	
	% of village electrified	
	No. of scheduled commercial Banks :	
	No. of PACS	
Kalyanpur RD Block	No. of Post offices	
	% of village electrified	
	No. of scheduled commercial Banks :	
	No. of PACS	
Mungiakami RD Block	No. of Post offices	
	% of village electrified	
	No. of scheduled commercial Banks :	
	No. of PACS	

3.6 Transport and communication network. Deployment of Vehicles for Relief Operation.

Name of sub-division	No of Truck	No of Bus	No of Tractors	No of Trekkers	No of Jeeps	No of Excavators	No of Boats
	Khowai & Teliamura	452	55	Nil	Nil	116	Nil
Total	452	55	Nil	Nil	116	Nil	3

3.7 VHF STATION/TELECOMMUNICATION LINKS/IMD SYSTEM/OTHER

- All Police station/OPS are connected with VHF/Telephone.
- All officials connected with Relief/Rescue operation are having telephone connection.
- NIC district, State Office and all CIC at Block HQs are having independent VSAT and user terminals.
- All the Police Stations, Control Rooms, IMD Office, CWC Offices have been linked up with each other.

3.8 IDENTIFIED LOCATIONS FOR INSTALLATION OF VHF

Sl.No	Location for Installation of VHF Systems
1	Mungiakami Block HQ

3.9 INFORMATION ON POLICE STATIONS AND OUT POSTS:

Sl. No	Name of the PS/Out Post	Tel. No.	Mode of Communication	Manpower Available					
				Ins p.	SI	ASI	H/C	Constable	Home Guard
1	Khowai	03825-222-225	TEL/WIRE LESS	1	2	2	2	8	2
2	Kalyanpur	03825-261-222	do	1	2	2	2	10	3
3	Teliamura	03825-262221	do	3	2	2	8	2	3

3.10 Distance of Sub Divisional Headquarters/Block Headquarters from District Headquarters

Sl. No.	Name of the Sub Divisions/Blocks	Distance from District Headquarters (K.M)	Public /Private Bus Service available
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DIVISIONS-			
1	Khowai.	0	Y
2	Teliamura	35	Y
BLOCKS-			
1	Teliamura	34	Y
2	Mungiakami	45	Y
3	Kalyanpur	18	Y
4	Khowai	1	Y
5	Padmabill	10	Y
6	Tulashikar	8	Y

3.11 LENGTH OF DIFFERENT CATEGORIES OF ROAD IN WEST TRIPURA DISTRICT

SL. NO.	CATEGORIES OF ROAD	DISTANCE IN KM
1.	National Highways	
2.	State Highways	No route is officially identified as 'State Highways'.
3.	PWD Road	
Block Road		
5.	Forest Roads	
6.	Nagar Panchyat Road	
7.	Village Roads	
8.	Other Roads, If any	

Waterways (in km):- Khowai = 64.00 Kms.

Railways (in km) :- 25 kms

CHAPTER 4

RESOURCE INVENTORY/ CAPACITY ANALYSIS

4.1. IMPORTANT TELEPHONE NUMBERS.

SL. NO	DESIGNATION	PHONE NUMBER OFFICE	PHONE NUMBER RESIDENCE
1	Chief Minister	232-4000/4003/4318 Fax-(0381)-232-3201	232-4001/4002
2	Revenue Minister	232 4043	232 3228
3	Chief Secretary	232 3200	235 1122/1144
4		DGP	
5	Commissioner, Revenue	2325706	2357221
6	Commissioner, Home	2325706	2357221
7	Commissioner, Education	232 4081	232 4637
8	Commissioner, SW &SE	232 3333	232 4960
9	Commissioner, Food	232 4127	235 3737
10		Commissioner, RD	
11	Commissioner, Transport	232 5058	235 4408
12	Commissioner, ARDD	232 3359	235 0175
13	Commissioner, Fishery	232 4127	235 3737
14	Commissioner, Health	232 5058	235 4408
15	Secretary, ICAT	232- 5914	
16.	DM & Collector, Khowai	9402136677	
17	Secretary to the Chief Minister	232 4077	232 4076

4.2 IMPORTANT TELEPHONE NUMBERS OF THE DISTRICT ADMINISTRATION.

1. Control room: 03825-222224/36, FAX: 03825 222240, 0381 2322971 (DCR)
2. SDM, Khowai: 9436137705, 03825 222222 (R), 03825 222236 (O)
3. DCM, Khowai: 03825 222656
4. DC, Khowai: 9436454678
5. Hospital: 03825-222229/102
6. Fire Service Station: 03825-222261/101
7. SDPO: 03825 222226
8. Police Station: Khowai-03825-222225/100, Champahour-03825-224494
9. Khowai Block: 03825-222244
10. Tulashikhar Block: 03825-223043/222100
11. Padmabil Block: 03825 222991
12. Khowai Nagar Panchayat: 03825 222283
13. ARDD: 03825 223935
14. Primary Co-Operative Society: 03825 222211

15. Subhash Park Merchant Association: 03825 222217
16. Khowai Jeep Syndicate: 03825 222661
17. Khowai Bus Syndicate: 03825 222375
18. PWD: 03825 222243 (E/E), 03825 222598 (A/E)
19. Power House: 03825 222259
20. DWS: 03825 222584
21. Water Resource: 03825 222234 (Khowai), 03825 263004 (Teliamura)
22. ICAT: 03825 222238
22. ICDS: 03825 222639 (Khowai)
23. Agriculture: 03825 222264 (KHW)
24. Horticulture: 03825 224564
25. I/S: 03825 222248 (Khowai)

4.3 Quick response first- aid and Medical Team, Khowai

Sl. No.	Location/Office address	Name & designation	Contact no
1	Khowai Town (Khowai SDL Hospital)	Dr. Samir Kr. Das, SDMO	9436454710 03825-222669 03825-222229
2		Alternative Team Leader Dr. Dhananjoy Reang, MOIC	9436503528 03825-222669 03825-222229
		Dr. Dipankar Prakash Bhowmik, MO	9436138946 03825-222669 03825-222229
3		Dr. Subrata Debbarma, MO (Alternative)	9436127860
4	Chebri PHC	Dr. Uttam Kr. Barman, MOIC	9863683720
5		Dr. Debbarma, MO	9436186980
6	Tulashikar PHC	Dr. Bikram Debbarma, MOIC	9436501294
7		Dr. Debbarma, MO	9402166183

8	Hemanta Debbarma Smriti PHC, Behalabari	Dr. Biswajit Debbarma, MOIC	9436562479
9		Dr. Malabika Debbarma, MO	9436480257
10	Bijalbari PHC	Dr., Manas Debbarma MOIC	9436493087
11		Dr. Debbarma, MO	9863248564
12	Ampura PHC	Dr. Sulata Das, MOIC	9436590296
13		Dr. Alok Kumar Roy, MO (IO)	9436492386

4.4 AVAILABILITY OF EQUIPMENTS

Sl. No	Name of Equipments	Remarks
1	Tent 80 kg Complete with all accessories	2 nos
2	Cover water proof 9.1 x 9.1 mtr.	6 nos
3	Cover water proof 7.3 x 5.5 mtr.	6 nos
4	Cover water proof 3.7 x 3.0 mtr.	4 nos
5	Cover water proof 5.5 x 4.5 mtr.	6 nos
6	Tant Cover water type 230 ltr.	2 nos
7	Tant fabric collapsible 6140 ltrs. Body with cover	2 nos
8	Crow Bar 3 ftr	6 nos
9	Traffic cones	6 nos
10	Hand saw	6 nos
11	Life Jacket	30 nos
12	Life Buoys	14 nos
13	Heavy duty work gloves	8 nos
14	OAR	4 nos
15	Wooden Boat	4 nos
16	10 man capacity Rubber Boat	2 nos
17	6 man capacity Rubber Boat	2 Nos

4.5 PUBLIC DISTRIBUTION SYSTEM.

Sl.No.	Name of the SubiDivision	No. of F.P. Shop	No. of APL Card Holders	No. of BPL card holders
1.	Teliamura	72	15328	9370
2.	Khowai	62	16846	17725

4.6 Cyclone/ Flood shelters with capacity.

Teliamura RD Block

Sector Officer Name &	Relief Camp	Camp in	Area to be covered	Type of	Facilities
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Ph.No		charge		camp	
Ashok Chaoudhury SA, Teliamura Ph.- 9436167589	(1)Maiganga Sukanta Vidya Niketan (2)Maharanipur HS School	The H/M Maiganga Sukanta Vidya Niketan	Areas :(GPs) (1)Uttar Krishanapur (2)Madhya Krishnapur (3)Maiganga (4)South Krishnapur (5)Chakmaghat (6)Laxmipur	Pucca	All suggested facilities available
Kartik Das,Tdr Mob.- 8974216551	Do	Asst. Sector Officer	Do		
Sajal Laskar SDO, PWD Mob.- 9436456270	(1)Moharchhara HS School (2)Duski school (3) South Pulinpur GP (4) Hadrai ADC Village Office (5)North Pulinpur	Sector Officer	Areas: (1)Jagannathbari GP (2)Moharchhara (3)Duski (4)North Pulinpur (5)Hadrai (6)South Pulinpur	Pucca	All suggested facilities available
Haradhan Chakraborty TDR, Teliamura Ph- 9436463789	Do	Asst. Sector Officer	Do		
Khirmohan Biswas, IS, Teliamura Mob.- 9436919448	(1)Tuichindrai HS School (2)Howaibari School (3)Paschim Teliamura GP	Sector Officer	Areas: (1)Paschim Howaibari (2) Howaibari (3)Sardu karkari	Pucca	All suggested facilities available

			(4)Tuichindrai (5)Paschim Teliamura		
Chitta Ranjan Das , Tdr 9856391933	Do	Asst. Sector Officer	Do		
SDO, DWS, TLM Ph-03825- 262224	(1)Gamaibari and Rupa chhara GP	Sector Officer	Areas: (1)Rupachhara (2)Khasiamangal (3)Gamaibari (4)Brahmachhara	Pucca	All suggested facilities available
Bablu Das, Tdr 8014462831	Do	Asst. Sector Officer	Do		

Kalyanpur RD Block

Sector Officer Name & Ph. No	Relief Camp	Camp incharge	Area to be covered	Type of camp	Facilities
Dy.IS, Teliamura (Deputed in Kalyanpur Block) Ph-03825- 261-375	(1)Dwarikapur School (2)Kalyanpur HS School	Sector Officer	Areas: (1)Paschim Dwarikapur (2) Dwarikapur (3)Paschim Kunjaban (4)Purba Kunjaban	Pucca	All suggested facilities available
Ranju Debbarma, Tdr, Kalyanpur Ph- 9436563569		Asst. Sector Officer			
SDO, PWD, Kalyanpur Ph-03825-	(1)Mohar chhara HS School	Sector Officer	Areas: (1)Kalyanpur	Pucca	All suggested facilities available

261-382	(2)Kalyanpur HS School (3)Rup Rai and RS Para GP		(2)Rup Rai (3)RS Para (4)Purba Kalyanpur (5)Kamal Nagar		
Bithi Debbarma TDR,9436536 677 Kalyanpur Ph.-		Asst. Sector Officer		Do	
Asst. Engineer,DW S, Kalyanpur Ph- 94361263382	(1)Ghilatali HS School (2)Ratia HS School	Sector Officer	Areas: (1)Ghilatali (2)Uttar Ghilatali (3)Paschim Ghilatali (4)Pramodnagar	Pucca	All suggested facilities available
Samir Mog, TDR, Maharani Ph- 9862117586		Asst. Sector Officer			
CDPO Kalyanpur Ph- 9436525798	North Ghilatali School	Sector Officer	Areas: (1)Durgapur (2)Daskhin Durgapur		

Teliamura Nagar Panchayet

Sector Officer Name & Ph.No	Relief Camp	Camp in charge	Area to be covered	Type of camp	Facilities
S.K. Debbarma	(1)Netajinagar High School	Sector Officer	Areas:	Pucca	All suggested facilities

Mob- 9615811325	(2)Saradamayee School (3)Shishu Malancha (4)Teliamura HS School		(1)Shantinagar (2)Joynagar (3)netajinagar (4)Rajnagar (Sukanta Pally) (5)Shivbari		available
Pradyut Kanti Das, Tdr Ph- 9436463786		Asst. Sector Officer			

4.7 SCHOOL BUILDING UNDER Khowai DISTRICT.

SL	BLOCK	Location of the building	Name of the Schoolo Building	CAPACITY
13	Kalyanpur	Durgapur Maharanipur(P)	North Ghilatali (Ratia)H.S. Balarem Kobra H.S.	
14	Mungiakami	Ramkrishnapur	Mungiabari High	
15	Tulashikhar	Paschim Laxlicherra	Behalabari H.S.	
16	Teliamura	Tuichindrai. Moharcherra.	Tuichindrai Bari H.S. Moharcherra H.S	

4.8 Earth Moving & Road Cleaning Equipments.

Sl. No.	Type of equipment	Contact Person	Tel. No.	Address
1	Dozer	EE, PWD	(03826) 2222(o) (03826) 5555(R)	Ambassa Division, PWD Ambassa Dhalai Tripura.
2	Excavator cum back hoe loader.	EE, PWD	(03823)262235(o) (03823)262236(R)	Southern Division No. II, PWD, Santirbazar, South Tripura.
3	Excavator cum back hoe loader.	EE, PWD	(0381)2323591	Agartala Division No. II, PWD, Agartala, Tripura West.
4	Excavator cum back hoe loader.	EE, PWD	(03824)222363(O) (03824)222554(R)	Kailashahar Division, PWD, Kailashahar, North Tripura.

4.9 Alternative energy sources – Generator, Pump set.

Type of sources	Contact Person and address	Tel. No.	Remarks
Diesel Pump set	Hair private vendor		
Generator	Do		

4.10 LIST OF BLOCK LEVEL NGOS WITH ADDRESS

ORGANIZATION NAME	ADDRESS	CHIEF EXECUTIVE, NAME & DESIGNATION	BLOCK	TELEPHONE
BSS	KHOWAI BLOCK	Shri Bimal Kt. Deb, Jt. Convenor.	KHOWAI BLOCK	222-280
Bairadrup Shangha.	Laxminarayanpur	Shri Pratul Deb, Secretary	KHOWAI BLOCK	229-222
JAC North East,	Teliamura	Shri Arabinda Chaudhury, Secretary	Teliamura	9612688861
Prayas	Teliamura	Harandra deb, Secretary	Teliamura	

4.11 LIST OF SCHOOLS HAVING N.S.S. UNITS/NCC UNIT UNDER WEST TRIPURA DISTRICT.

Sl.	Name of the Schools.	Name of the Head	No. of	Telephone
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No		Master	Volunteers	number.
1)	Kalyanpur H.S. School.	Sri Nani Gopal Das	100	2261-230
2)	Khowai Govt. (G) H.S.	Sri Chandra Kr. Das	75	222-256
3)	Khowai Boys' H.S.	Sri Ratan Acharjee	90	222-239
4)	Chebri H.S.	Smt. Kanabi das	65	
5)	Teliamura H.S.	Sri A. Chakraborty	90	262-254
6)	Tunchindrai bari H.S.	Smti Kanika Debbarma	45	

4.12 LIST OF BLOCK LEVEL DISPENSARY/SUB CENTRE/PHC/RURAL HOSPITAL/HOSPITAL

SI No	Name of Sub Division	No. of Dispensary/Sub Centre	No. of Rural Hospital	No. of PHC/CHC
1	Teliamura	Na	1	
2	Khowai	75	1	2

4.13 Sub divisional Health Profile:-

SI No	Name of Subdivision	Block Area	Name of PHC/CHC/ Rural Hospital/Hospital	Patient Strength of the Hospital
1	Khowai	Khowai Tulashikhar Padmabil	1	
2	Teliamura	Kalyanpur Mungiakami Teliamura	Teliamura RH . Kalyanpur CHC Baijalbari PHC	

4.14 FIRE STATION INFORMATION IN WEST TRIPURA DISTRICT

Sl. No.	Name of the fire station	Telephone Number	Disposition of Vehicle & Pumps(No)	Disposition of Man Power(No).
1	Teliamura Fire Station	953825 262210 101	W/T - 1 No. PP- 3 No. Jeep- 1 No.	SSO – 2 Nos. LFM- 4 Nos. Driver- 3 Nos. F/M – 13 Nos. .
2	Khowai Fire Station	953825 222261	W/T - 1 No. PP- 2 No. Jeep- 1 No Water Tender-4 Nos.	SSO – 1 Nos. LFM- 3 Nos. Driver- 4 Nos. F/M – 22 Nos.

4.15 LIST OF BLOCK LEVEL DISPENSARY/SUB CENTRE/HOSPITAL (ANIMAL RESOURCES DEVELOPMENT DEPARTMENT)

(List not done)

4.16 LIST OF BLOCK DISTRICT DISPENSARY/SUB CENTRE/HOSPITAL (ANIMAL RESOURCES DEVELOPMENT DEPARTMENT)

SI No	Name of Sub Division	No. of Veterinary Dispensary	No. of Sub-Centre
1	Khowai	3	45

4.17 Sub divisional Veterinary Profile:-

SI No	Name of District	Block Area	Name of the Veterinary Hospital
1	Khowai	Teliamura, Mingiakami, Kalyanpur, Tulasikhar, Padmabil, Khowai.	Sub-Divisional Veterinary Hospital

4.18 LIST OF RURAL HOSPITALS/CHC/PHC IN KHOWAI DISTRICT

Name of Sub-Division	Name Rural Hospitals/CHC/PHC	Total Nos. of Rural Hospitals/CHC/PHC
Khowai	Taliamura Rural Hospital	3 nos.
	Kalyanpur CHC	
	Baijalbari PHC	

4.19 LIST OF FOOD GODOWN IN KHOWAI DISTRICT

Name of the Sub-Division	Location of Godown	Capacity(In M.T)
KHOWAI	1.Ganki	1.500 M.T.
	2. Office Tilla	2.300 M.T.
	3.Kalyanpur	3. 250 M.T.
	4.Teliamura	4. 1000 M.T.

CHAPTER – 5

HAZARD ANALYSIS Khowai Sub-Division & Teiamura Sub-Division

5.1 Flood prone areas under Khowai Sub-Division:-

The following areas of Khowai Sub-Division are considered as flood prone areas.

SL No.	Name of Block/Nagar Panchayat	Location	Flood prone area(in hector)	Major crops likely to be damage	Vulnerable families(in no's)
1	Khowai nagar panchayat	Charganki, Kanchanghat, Hospital road, Mara nadi, Amla para, Bankar, Uttar durga nagar, Ballarber,Chakber para.	40 hec.	Vegetables and paddy	2100 families
2	Khowai Block	Sonatala,Chebri(west),R.C ghat,L.N Pur,West sonatala,Paschim ganki,Pahar mura(part),Madhya ganki(part),Pakni charra.	150 hec.	Vegetables and paddy	1500 families
3	Tulashikar Block	Bachaibari	15 hec.	Vegetables and paddy	55 families
4	Padmabil Block	South Padmabil	15 hec.	Vegetables	50 families

5.2 Flood prone areas under Teliamura Sub-Division:-

Name of Villages	Name of GP	Situation	People to be affected	Area / length of river bank (erosion) to be affected
(1)Brahmachhara	Brahmachhara GP	Erosion	Govt. Agricultural farm and public crop field	350
(2)Golabari	South Krishna pur		10	400
(3)Baishgharia	South Krishna pur		40 families	520 m
(4)Nayanpur	South Krishna pur		10 families	300 m
(5)Chakmaghat	Chakmaghat		(i)Near industry area- 10 families (ii) Jarailongbari-nearly 20 families	(i)200 m (ii)250 m
(6)lcharbil	Jagannathbari	Erosion	20 families	350 meters
(7)Laltila	Moharchhara		7 families	300 m
(8)Rajmandal	Moharchhara		10 families	600 m
(9)Nayabari	North Krishanapur		40 families	800 m

Teliamura Nagar Panchayet

Name of Villages	Name of GP	Situation	People to be affected	Area / length of river bank (erosion) to be affected
(1)Joynagar	Teliamura Nagar Panchayet	Erosion	10 families	400 m
(2)South Netajinagar	Teliamura Nagar Panchayet	Flash flood and erosion	30 families	200 m
(3)North Netajinagar	Teliamura Nagar Panchayet	Erosion	10 families	200 m
(4)Shantinagar	Teliamura Nagar Panchayet	Flash flood	70 families	300 m
(5)Rajnagar (Sukantapally)	Teliamura Nagar Panchayet	Flash flood	59	300 m
(6)Shivbari	Teliamura Nagar Panchayet	Flash flood	25	300 m
(7)Karailaong	Teliamura Nagar Panchayet	Erosion	17	200 m

Kalyanpur RD Block

Name of Villages	Name of GP	Situation	People to be affected	Area / length of river bank (erosion) to be affected
(1)Shantipara	South Ghilatali	Erosion	20 families	400 m
(2)Maragang	Kamal nagar	Flash flood		
(3)Maimansingh para	Kamal nagar	Erosion	15 families	300 m
(4)Bathekha	East Kalyanpur	Erosion	10 families	300 m
(5)Gopal Nagar	East Kunjaban	Erosion	15 families	300 m
(6)Kuchpara	East Kunjaban	Erosion	14 families	300 m
(7)Kali bari	Dwarikapur	Erosion	12 families	450 m
(8)Bangla hour	Dwarikapur	Erosion	5 families	50 m
(9)Shantinagar	Durgapur	Erosion	10 families crop field	200 m
(10)Munipuri Basti	West Ghilatali	Erosion (in the bank of Maharani pur Chhara)	20 families crop field	200 m
(11) Kamalnagar SB School area	Kamalnagar	Erosion	10 families	500 m

5.3 Embankments as protective measures against flood hazards:-

There are two embankments surrounding Khowai town area to protect large number of families from flood. These are :-

Sl no.	Name of embankments	Location	Population involved
1	Lalchara embankment	Southern eastern side of Khowai town	25,000
2	Khowai to Remachara	Northern part of Khowai town and Ganki village	

Two embankments in Khowai Sub-Division are under the care of Sub-Divisional W/R department and administration. On the onset of monsoon (April), the embankments are thoroughly inspected jointly by Rev. and W/R officials. An repairing required, is taken up by W/R department. The condition of embankments of Khowai is presently good. There is sufficient stock of sand bags and other materials stored in the stores house of W/R department to face the emergency repairing, to be done.

The Inspection report of embankments is depicted below:-

Sl no.	Name of Sub-Division	Embankment	Length	Condition	Slice gate	Condition
1	Khowai	(i) Khowai River	(i) 1.5 km	Good	8 No's slice gate	Good

		(ii) Lalcharra	(ii) 1.8 km	Good	6 No's slice gate	Good
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5.4 Flood prone Roads, Bridges and Institutional Buildings:

Due to heavy shower and continuing rainfall, flood water stands in some roads and land slides blocks main roads. Based on the history of occurrence of flood and recent experience, the vulnerable pockets of the Sub-Division are given below.:-

	Description/Name of the Road/Bridges	Location	Length	Vulnerability like land slide/submersion by flood water
1	Khowai-Teliamura road	(i) Sonatala (ii) L.N Pur	(i) 200 meter ii) 200 meter	(i) Submersion by flood water (ii) Road breaks by soil erosion by Khowai River
2	Khowai – Kamalpur Road	(i) Bachaibari (ii) Sukia bari	(i) 250 meter (ii) 2 km	(i) Submission by flood water (ii) Land slides in some spots
3	Khowai – Agartala Road via Subal Singh Hill	(i) Subal singh hill	(i) 3.5 km	Land slides in some spots

5.5 SEASONALITY OF DISASTER

	MONTH OF OCCURRENCE											
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
<u>FLOOD</u>					←	→	←	→	←	→		
CYCLONE				←	→					←	→	
DROUGHT				←	→	←	→	←	→			
FOREST FIRE	←	→		←	→							
EARTHQUAKE	←	→	←	→	←	→	←	→	←	→	←	→

CHAPTER -6

RISK ASSESSMENT

TYPE OF HAZARD	POTENTIAL IMPACT	VULNERABLE AREAS[BLOCK]
CYCLONE	Loss of Crop, Infrastructure, Human and Bovine Life, Livelihood System, Houses, Public Property etc	Whole District
FLOOD	Loss of Crop, Infrastructure, Human and Bovine Life, Livelihood System, Houses, Public Property etc	1.MungiaKami 2.Teliamura 3. Kalyanpur 4. Padmabill 5. Tulashikar 6. Khowai
VILLAGE /FOREST FIRE	Loss of property	Whole District
DROUGHT / Dry Spell	Loss of crop livelihood.	Whole District
EARTH QUAKE	Loss of Crop, Infrastructure, Human and Bovine Life, Livelihood System, Houses, Public Property etc	Whole District

CHAPTER NO-7

MITIGATION MEASURES

7.1. Sector wise Vulnerability Reduction Measures.

SECTOR	MITIGATION MEASURES	AGENCY RESPONSIBLE
INFRASTRUCTURE DEVELOPMENT	1 Improving Information Education and communication activities through walling, posters, street play, volunteers training, village task force training. Mass rallies during normal period.	Leading NGOs, DIPR, NSS, NYKs, Media
	1 Repair/ Restoration of vulnerable points on Roads before onset of monsoon.	PWD, BRTF, RD, Panchayat.
	1 Repair of vulnerable points in river/canal Embankment during free flood period.	Irrigation/ Minor irrigation.
	1 Proper maintenance of shelter places along with ensuring Water /Electricity and sanitation facility.	Panchyat/Concerned Department.
	1 Maintenance and proper functioning of electronic communication system	BSNL, Police, IT Department
	1 Immediate Response for Repair/Replacement of Tube wells/Pipe water supply system.	RD/ PHE
	1 Proper maintenance of VHF system.	Head of office of the concerned location (Police)
	HEALTH/ ANIMAL HUSBANDRY	1 IEC activities through walling posters, street play, village task force/volunteers training during normal period.
1 Adequate stock piling of		CMO

	vaccines should be ensured for vaccination before Disaster	
	1 Training Programme of common people should be programmed for Health care, sanitation, and first Aid from village level to district level.	CMO
LIVELIHOOD SECTOR	1 IEC activities through walling posters, street play, village task force/volunteers training, during normal period.	CMO, DD, SW &SE leading NGOs,
	1 To reduce adverse impact on AGRICULTURE farmers should be advised alternating cropping pattern/flood resistance crops. 2 Drought resistance short duration paddy seeds be made available to farmers. 3 Ensuring crop insurance	Dy. Director Agriculture, / Horticulture, NGOs
	1 Raising of Nursery in the horticulture farms & insurance coverage of horticultural products.	Dy. Director, Horticulture, New India Assurance Company, Insurance Companies.
INSURANCE	1 IEC activities through walling posters, street play, village task force/volunteers training, during normal period.	CMO/DD, SW& SE/NGOs, DIPR, Media, New India Assurance Company, Insurance Companies.
	1 Emphasizing on insurance coverage of live stock, crops, industry, workshop, etc.	Dy. Director, Agriculture, DRCS, Insurance Companies etc.
	1 Creating awareness among general public. 2	Leading NGOs, Media, DIPR, Insurance Companies etc.

7.2 Mitigation Activities as per HRVC-analysis (River Embankment) under Teliamura Sub Division

Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura

Name of Block : Kalyanpur

Name of GP	Name of Villages	Situation(gradual flood/ flash flood/ erosion)	Behavior of river	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>PI mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation / Preparedness)
1	2	3	4	5	6	7	8	9	10	11
Dwarikapur	Bagan bazar	Erosion	<i>height of the embankment & curve, current of the flood water</i>	500 Meter	Teliamura-Khowai Road.	The road is situated along the extreme river bank	200 meter road are in risk to be eroded. Where in rest 300 meters, 35 nos houses are situated which are in risk. 5 Ha crop field are in risk	1. RCC Porcupine placed in 100 meters 2. few Wooden Beerier present but not in workable condition 3. RCC Blocks were placed in 35 meters but there are not in workable condition	(1)Activity: Kamli lata Plantation: <i>Summery: Plantation of Kamli lata plants as per strategy in 400 meters erosion prone river bank to avoid erosion in order to protect the road (Teliamura-Khowai Road) by Nov.,2012</i> Strategy- 5 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters. Total Kamli lata stamps required: 28800..Nos (2)Activity: Bamboo made	Mitigation

									<p>barrier construction: <i>Summary: Construction of 28 Nos bamboo made barriers as per strategy in 400 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the road (Teliamura-Khowai) by Dec,2012</i></p> <p>Strategy- <i>(i)Design:</i> please refer to design. Length of barriers as per need. <i>(ii) Kamli lata plantation:</i> inside barriers and 7 meters in both side of the barriers <i>(iii)Sand bag:</i> placing of sand bags inside the barriers <i>(iv)No of Barriers:</i> 1 Nos per 14 meters distance. Total barriers required:28 Nos</p>	
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Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura
Name of Block : Kalyanpur

Name of GP	Name of Villages	Situation(gradual flood/ flash flood/ erosion)	Behavior of river (<i>river bed has risen due to intense siltation, height of the embankment, current of the river</i>)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>Pl mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11
Dwarikapur	Kalibari	Erosion	<i>height of the embankment & Curb, current of the river</i>	500 meter	House	Houses are situated in extreme river bank	50 nos houses & 1 Ha crop field are in risk	Nil	<p>(1)Activity: Kamlilata Plantation: <i>Summery: Plantation of Kamlilata plants as per strategy in 500 meters erosion prone river bank to avoid erosion in order to protect the houses Nov.,2012</i></p> <p>Strategy- 5 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters. Total Kamli lata stamps required: 36000 Nos</p> <p>(2)Activity: Bamboo made barrier construction: <i>Summery: Construction of 35 Nos bamboo made barriers as per strategy in 500 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the houses</i></p>	Mitigation

									<p>Dec,2012</p> <p>Strategy-</p> <p>(i)<u>Design</u>: please refer to design. Length of barriers as per need.</p> <p>(ii) <u>Kamli lata plantation</u>: inside barriers and 7 meters in both side of the barriers (iii)<u>Sand bag</u>: placing of sand bags inside the barriers</p> <p>(iv)<u>No of Barriers</u>: 1 Nos per 14 meters distance.</p> <p>Total barriers required:35 Nos</p>	
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Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura
Name of Block : Kalyanpur

Name of GP	Name of Villages	Situati on(gradual flood/ flash flood/ erosion)	Behavior of river (<i>river bed has risen due to intense siltation, height of the embankment, current of the river</i>)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>PI mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11

Dwarikapur	Sarkarpara	Erosion	height of the embankment & Curb, current of the river during flood	500 meter	House	Houses are situated in extreme river bank	35 nos houses & 1.75 Ha crop field are in risk	Nil	<p>(1)Activity: Kamlilata Plantation: <i>Summery: Plantation of Kamli lata plants as per strategy in 500 meters erosion prone river bank to avoid erosion in order to protect the houses Nov.,2012</i> Strategy- 5 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters. Total Kamli lata stamps required: 36000 Nos</p> <p>(2)Activity: Bamboo made barrier construction: <i>Summery: Construction of 35 Nos bamboo made barriers as per strategy in 500 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the houses Dec,2012</i> Strategy- (i)Design: please refer to design. Length of barriers as per need. (ii) Kamli lata plantation: inside barriers and 7 meters in both side of the barriers (iii)Sand bag: placing of sand bags inside the barriers (iv)No of Barriers: 1 Nos per 14 meters distance. Total barriers required:35 Nos</p>	Mitigation
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Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura
Name of Block : Kalyanpur

Name of GP	Name of Villages	Situation(gradual flood/ flash flood/ erosion)	Behavior of river (<i>river bed has risen due to intense siltation, height of the embankment, current of the river</i>)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>Pl mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11
East kunjaban	Kuchpara	Erosion	<i>height of the embankment & Curb, current of the river during flood</i>	600 meter	House	Houses are situated in extreme river bank	77 nos houses & 2.25 Ha crop field are in risk	100 meter Sand Cement Block	<p>(1)Activity: Kamliata Plantation: <i>Summery: Plantation of Kamli lata plants as per strategy in 600 meters erosion prone river bank to avoid erosion in order to protect the houses Nov.,2012</i></p> <p>Strategy- 3 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters. Total Kamli lata stamps required: 32400 Nos</p> <p>(2)Activity: Bamboo made barrier construction: <i>Summery: Construction of 42 Nos bamboo made barriers as per</i></p>	Mitigation

									<p>strategy in 600 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the houses Dec,2012</p> <p>Strategy-</p> <p>(i)<u>Design:</u> please refer to design. Length of barriers as per need.</p> <p>(ii) <u>Kamli lata plantation:</u> inside barriers and 7 meters in both side of the barriers (iii)<u>Sand bag:</u> placing of sand bags inside the barriers</p> <p>(iv)<u>No of Barriers:</u> 1 Nos per 14 meters distance.</p> <p>Total barriers required:42 Nos</p>	
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Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura

Name of Block : Kalyanpur

Name of GP	Name of Villages	Situation(gradual flood/ flash flood/ erosion)	Behavior of river (river bed has risen due to intense siltation, height of the embankment, current of the river)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>PI mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11
Purba	Batekh	Erosio	height of	400 meter	Hous	Houses	15 nos	70 meter	(1)Activity: Kamlilata Plantation:	

Kalyanpur	a	n	the embankment & Curb, current of the river during flood		e	are situated in extreme river bank	houses & 1 Ha crop field are in risk	Sand Cement Block	<p><i>Summery: Plantation of Kamli lata plants as per strategy in 330 meters erosion prone river bank to avoid erosion in order to protect the houses Nov.,2012</i></p> <p>Strategy- 2 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters.</p> <p>Total Kamli lata stamps required: 14850 Nos</p> <p>(2)Activity: Bamboo made barrier construction:</p> <p><i>Summery: Construction of 23 Nos bamboo made barriers as per strategy in 330 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the houses Dec,2012</i></p> <p>Strategy- (i)<u>Design:</u> please refer to design. Length of barriers as per need. (ii) <u>Kamli lata plantation:</u> inside barriers and 7 meters in both side of the barriers (iii)<u>Sand bag:</u> placing of sand bags inside the barriers (iv)<u>No of Barriers:</u> 1 Nos per 14 meters distance.</p> <p>Total barriers required:23 Nos</p>	Mitigation
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Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura

Name of Block : Kalyanpur

Name of GP	Name of Villages	Situati on(gradual flood/ flash flood/ erosion)	Behavior of river (<i>river bed has risen due to intense siltation, height of the embankment, current of the river</i>)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>Pl mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11
Moharchara,	Moharchara Uttar para	Erosion	<i>height of the embankment & Curb, current of the river during flood</i>	1000 meter	House	Houses are situated in extreme river bank	75 nos houses & 1 Ha crop field are in risk	Bamboo Beerier	<p>(1)Activity: Kamli lata Plantation: <i>Summery: Plantation of Kamli lata plants as per strategy in 1000 meters erosion prone river bank to avoid erosion in order to protect the houses Nov.,2012</i></p> <p>Strategy- 5 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters. Total Kamli lata stamps required: 72000 Nos</p> <p>(2)Activity: Bamboo made barrier construction: <i>Summery: Construction of 71 Nos bamboo made barriers as per strategy in 1000 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the houses Dec,2012</i></p> <p>Strategy-</p>	Mitigation

										<p>(i)<u>Design</u>: please refer to design. Length of barriers as per need.</p> <p>(ii) <u>Kamli lata plantation</u>: inside barriers and 7 meters in both side of the barriers (iii)<u>Sand bag</u>: placing of sand bags inside the barriers</p> <p>(iv)<u>No of Barriers</u>: 1 Nos per 14 meters distance.</p> <p>Total barriers required:71 Nos</p>
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Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura

Name of Block : Teliamura

Name of GP	Name of Villages	Situation(gradual flood/ flash flood/ erosion)	Behavior of river (<i>river bed has risen due to intense siltation, height of the embankment, current of the river</i>)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>PI mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11
Nagar Panchayet Word no – 2,	Paulpara	Erosion	<i>height of the embankment & Curb, current of</i>	50 meter	House	Houses are situated in extreme river bank	50 nos houses are in risk	1. RCC Block 2. Sand Cement Block	(1)Activity: Kamlilata Plantation: <i>Summery: Plantation of Kamli lata plants as per strategy in 50 meters erosion prone river bank to avoid erosion in order to protect the houses Nov.,2012</i>	

			the river during flood						<p>Strategy- 4 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters. Total Kamli lata stamps required: 3150 Nos (2)Activity: Bamboo made barrier construction: <i>Summery: Construction of 4 Nos bamboo made barriers as per strategy in 50 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the houses Dec,2012</i></p> <p>Strategy- <u>(i)Design:</u> please refer to design. Length of barriers as per need. <u>(ii) Kamli lata plantation:</u> inside barriers and 7 meters in both side of the barriers <u>(iii)Sand bag:</u> placing of sand bags inside the barriers <u>(iv)No of Barriers:</u> 1 Nos per 14 meters distance. Total barriers required:4 Nos</p>	Mitigation
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Hazard, Risk, Vulnerability and Capacity (HRVC)-analysis (River Embankment)

Name of Sub Division: Teliamura

Name of NP : Teliamura

Name of GP	Name of Villages	Situati on(gradual flood/ flash flood/ erosion)	Behavior of river (<i>river bed has risen due to intense siltation, height of the embankment, current of the river</i>)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>PI mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11
Nagar panchayat,	Netajinagar word no-9	Erosion	<i>height of the embankment, current of the river during flood</i>	750 meter	House	Houses are situated in extreme river bank	90 nos houses & 1 Ha betel bines field are in risk	No	<p>(1)Activity: Kamlilata Plantation: <i>Summery: Plantation of Kamli lata plants as per strategy in 750 meters erosion prone river bank to avoid erosion in order to protect the houses Nov.,2012</i></p> <p>Strategy- 3 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters.</p> <p>Total Kamli lata stamps required: 40500 Nos</p> <p>(2)Activity: Bamboo made barrier construction: <i>Summery: Construction of 53 Nos bamboo made barriers as per strategy in 750 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the houses Dec,2012</i></p> <p>Strategy-</p>	Mitigation

										<p>(i)<u>Design</u>: please refer to design. Length of barriers as per need.</p> <p>(ii) <u>Kamli lata plantation</u>: inside barriers and 7 meters in both side of the barriers (iii)<u>Sand bag</u>: placing of sand bags inside the barriers</p> <p>(iv)<u>No of Barriers</u>: 1 Nos per 14 meters distance.</p> <p>Total barriers required:53 Nos</p>
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Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura

Name of NP : Teliamura

Name of GP	Name of Villages	Situation(gradual flood/ flash flood/ erosion)	Behavior of river (<i>river bed has risen due to intense siltation, height of the embankment, current of the river</i>)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>PI mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11
Teliamura NP	Ward-9	Erosion	<i>height of the embankment, current of the river</i>	200 meter	House	Houses are situated in extreme river bank	20 nos houses are in risk	No	(1)Activity: Bamboo Plantation: <i>Summery: Plantation of bamboo plants/ bush as per strategy (as set up by forest dept) in 200 meters erosion prone river bank to avoid erosion in order to protect the</i>	

			during flood					houses Nov.,2012 Total Bamboo bush required: 100 Nos (@ 1 bush per 2 meters) (2)Activity: Bamboo made barrier construction: Summery: Construction of 14 Nos bamboo made barriers as per strategy in 200 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the houses Dec,2012 Strategy- (i) <u>Design:</u> please refer to design. Length of barriers as per need. (ii) <u>Kamli lata plantation:</u> inside barriers and 7 meters in both side of the barriers (iii) <u>Sand bag:</u> placing of sand bags inside the barriers (iv) <u>No of Barriers:</u> 1 Nos per 14 meters distance. Total barriers required: 14 Nos	Mitigation
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Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura

Name of Block : Teliamura

Name of GP	Name of Villages	Situation(gradual flood/ flash flood/ erosion)	Behavior of river (<i>river bed has risen due to intense siltation, height of the embankment, current of the river</i>)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>PI mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11
Laxmipur	Ward-4	Erosion	<i>height of the embankment, current of the river during flood</i>	500 meter	House	Houses are situated in extreme river bank	200 nos houses & are in risk	SC Block was placed in some 100 meters river bank	<p>(1)Activity: Kamliata Plantation: <i>Summary: Plantation of Kamli lata plants as per strategy in 500 meters erosion prone river bank to avoid erosion in order to protect the houses Nov.,2012</i></p> <p>Strategy- 3 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters.</p> <p>Total Kamli lata stamps required: 22500 Nos</p> <p>(2)Activity: Bamboo made barrier construction: <i>Summary: Construction of 28 Nos bamboo made barriers as per strategy in 400 meters river bank (as nearly 100 meters bank was protected by placing SC Block) to avoid erosion (diverting the tide away from river bank) in order to</i></p>	Mitigation

										<p><i>protect the houses Dec, 2012</i></p> <p>Strategy-</p> <p>(i)<u>Design:</u> please refer to design. Length of barriers as per need.</p> <p>(ii) <u>Kamli lata plantation:</u> inside barriers and 7 meters in both side of the barriers (iii)<u>Sand bag:</u> placing of sand bags inside the barriers</p> <p>(iv)<u>No of Barriers:</u> 1 Nos per 14 meters distance.</p> <p>Total barriers required:28 Nos</p>
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Mitigation Activities as per HRVC-analysis (River Embankment)

Name of Sub Division: Teliamura

Name of NP : Laxmipur

Name of GP	Name of Villages	Situation(gradual flood/ flash flood/ erosion)	Behavior of river (<i>river bed has risen due to intense siltation, height of the embankment, current of the river</i>)	Area / length of river bank to be affected	Item	Vulnerability	Risk	DRR Activities completed	DRR Activities need to be done (Traditional/ technological) <i>PI mention DRR activities integrating with development schemes maintaining SMART PRINCIPLES</i>	Type of DRR activities (Prevention/ Mitigation/ Preparedness)
1	2	3	4	5	6	7	8	9	10	11
Chakm aghat	Near Chakm aghat Market	Erosion	<i>height of the embankment,</i>	500 meter	House	Houses are situated in	60 nos houses are in risk		(1)Activity: Kamli lata Plantation: <i>Summary: Plantation of Kamli lata plants as per strategy in 500 meters erosion prone river bank to</i>	

			current of the river during flood			extreme river bank		<p>avoid erosion in order to protect the houses Nov.,2012</p> <p>Strategy- 3 meter in the vertical river bank and 3 meters in the river bade @ 3 nos stamps /meter. Hence @ 9 nos stamps per Sq meters.</p> <p>Total Kamli lata stamps required: 22500 Nos</p> <p>(2)Activity: Bamboo made barrier construction: <i>Summery: Construction of 35 Nos bamboo made barriers as per strategy in 500 meters river bank to avoid erosion (diverting the tide away from river bank) in order to protect the houses Dec,2012</i></p> <p>Strategy- <u>(i)Design:</u> please refer to design. Length of barriers as per need. <u>(ii) Kamli lata plantation:</u> inside barriers and 7 meters in both side of the barriers <u>(iii)Sand bag:</u> placing of sand bags inside the barriers <u>(iv)No of Barriers:</u> 1 Nos per 14 meters distance.</p> <p>Total barriers required:35 Nos</p>	Mitigation
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CHAPTER-8

CRISIS RESPONSE STRUCTURE

8.1 CRISIS MANAGEMENT

After preparation of the DDMP, to ensure its application & implementation at right time, right place by right persons is the real crux of the entire episode. Any original preparatory measures in any direction needs a lot of follow up action to make the plan implementable flawlessly. Certain important follow up actions are need to be coded below to remind us step by step for implementing the plan without any gap in between.

CRISIS MANAGEMENT:- ACTIONS

EOC	Have an alternative Control Room in readiness in Collectorate in case the 1 st one fails. Try to equip the alternative Control Room with basic Requirement.
CHECKLIST	Ensure that check list in each item is prepared and kept in hands of the officers / staff / actors who handles that part of management.
Contact Person & Details	Ensure alphabetic preparation of all Contact Persons with details of this address, Telephone number, residential location and availability.
MCS, Cyclone Shelters, School Building cum Cyclone Shelters	Check the logistic arrangement for MCSs under District Jurisdiction in regular interval. Cross check & ensure responsibilities of the people who manage it.
Division of Labour	Ensure that concentration of work is avoided.
Health	Adequate attention to be given for maintenance of good health of the managers who manage control room and involved in Disaster Management process during the time of Disaster and after wards. Staff should be allowed to contact attend their family members immediately if they are in similar distress condition at this juncture. They should not be assigned disaster management duty. This should be meticulously observed and monitored
Vehicle	Ensure through hired services of a mechanic that the reported vehicles are in working condition to manage relief and rehabilitation
POL	After freezing the stock of POL bunkers by 75% on receipt of warning on an inhabitable calamity, it should be vigilantly monitored that the freeze POL is not pumped into black market. Also insured that up line flow POL to these bunkers continues in regular interval. An authorized officer should issue POL coupons to petrol pumps
Public Distribution System	Constant vigilance to be maintained through Supply & Police personnel to avoid black marketing, hoarding etc of essential commodities like Chuda, Gur, Rice, Dal, K.Oil, Candles, Match Boxes etc.
Finance	A substantial amount of contingent money should be kept with DEO in district & BDOs in Blocks to meet the inhabitable expenditure.

8.2 Early warning dissemination

PREPAREDNESS	RESPONSIBILITY
<p>1 Setting up control room and manning of Control Room round the clock.</p> <p>2 Assignment of duties to the District level officials and SDMS/ /BDOs</p> <p>3 Arrangement of vehicle and sound system for information dissemination</p> <p>4 GO coordination and assignment of duty</p> <p>5 roper record keeping and transmission of information to all the levels.</p> <p>6 Early warning to fisherman.</p> <p>7 Holding of Natural calamity meeting.</p> <p>8 Ensure functioning of warning systems & communication systems.</p> <p>9 Create awareness with the target groups.</p> <p>10 Ensure Mock drill.</p>	<p>*All District level officials.</p> <p>1 All SDMs.</p> <p>2 II BDOs</p> <p>3 District Level Officer</p> <p>4 Dist. Fisheries Officer.</p> <p>5 Leading NGOs.</p> <p>6 Nagar Panchyat</p>

8.3. Evacuation

PREPAREDNESS	RESPONSIBILITY
<p>1 To warn people about the impending danger & to leave for safer places.</p> <p>2 To co-ordinate with Civil defence- NGOs/Secretary, Rajya Sainik Board/Police for support.</p> <p>3 Arrangement of boats/vehicles etc. for evacuation</p> <p>4 Evacuate people of marooned areas and administer emergent relief.</p> <p>5 Organize trained task force members.</p> <p>6 Deployment of police for maintaining law & order & peace keeping during evacuation</p> <p>7 Mobilize people to go to identified/safer shelters.</p> <p>8 Deployment of Power Boat/Country Boat (Govt. /Private) for evacuation.</p>	<p>1 II SDMs.</p> <p>2 II BDOs</p> <p>3 Dist. Fisheries Officer for Boat.</p> <p>4 DD, ICAT</p> <p>5 Leading NGOs.</p> <p>6 Police.</p> <p>1 Nagar Panchyat</p>

8.4. SEARCH AND RESCUE

PREPAREDNESS	RESPONSIBILITY
<ol style="list-style-type: none"> 1 Deployment of Police/Fire Brigade for search and rescue. 2 Co-ordination with the NCC/NSS/Civil Defense/Rajya Sainik Board etc. for rescue operation 3 Ensure availability of the rescue materials. 	<ul style="list-style-type: none"> *Police *Fire Brigade. *Leading NGO. *SDMs. *BDOs. *DD, ICAT *Programme Co-coordinators of * NSS/ NCC/ Defence units.
<ol style="list-style-type: none"> 1 Prepare inventory of shelter places and map indicating the shelter centers. 2 Provide & arrange Rescue kit at risk areas 	

8.5. MEDICAL AID

PREPAREDNESS	RESPONSIBILITY
<ol style="list-style-type: none"> 1 Deployment of Medical staffs. 2 Stock piling of Life saving drugs/ORS packets/Halogen tablets. 3 Treatment of the injured persons and Transportation of the injured to hospitals. 4 Awareness messages to stop the outbreak of epidemics. 5 Disease surveillance and transmission of reports to the higher authorities on a daily basis. 6 Vaccination. 7 Constitute mobile teams and visit the worst affected areas. 8 Disinfection of Drinking water sources. 9 Identification of site operation camps. 10 Obtain/transmit information on natural calamities to District Control Room. 11 Inoculation programme in the flood/Cyclone prone areas. 12 Arrangement of fodder/medicines for the 	<ul style="list-style-type: none"> *CMO *SDMO *MEDICAL OFFICERS OF PHCs/R. H / Dispensary/Sub Centre *DD, SW &SE *Leading NGOs. *Gaon Pradhans

animals 13 Cite operation camps, Carcasses disposal.	
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8.6. SHELTER MANAGEMENT.

PREPAREDNESS	RESPONSIBILITY
1 Identification of Shelter/Temporary shelter in high-elevated places and arrangement of tents etc. 2 Arrangement of Food/Drinking water /Medicine in the shelter places. 3 allocation for each shelter. 4 Arrangement of transportation. 5 Arrangement for safe shelter for animals. 6 Providing the lighting facilities for shelter places. 7 Deployment of Police Personnel 8 Temporary supply of safe drinking water.	*SDMs. *BDOs *Medical Officers *Paramilitary Forces *Police. *PHE/RD. *DTO *Power *Panchayet

8.7. EMERGENT RELIEF /FREE KITCHEN OPERATION.

PREPAREDNESS	RESPONSIBILITY
1 Requisition of vehicle. 2 Transportation of Relief materials to affected pockets/areas. • Arrangement of free kitchen in the shelter camps & affected areas. • Assigning responsibilities to officials for distribution of emergent relief / running of free kitchen. • Coordinating with the NGOs /Other voluntary organization & PSUs/UNICEF/ UNDP/ RED CROSS for continuing Relief Operation. • Monitoring. 3	*SDMs. *BDOs Medical Officers *Paramilitary Forces *Police. *PHE/RD. *DTO *NGOs

8.8. Health and Sanitation Response structure.

PREPAREDNESS	RESPONSIBILITY
1 List of the Medical staff members with contact address/telephone number.	CMO
2 Stock position of medicines at District /Sub-division/ PHC/ RH /Hospital/ Dispensary.	ICDS
3 Plan and indent position of stock.	RD
4 Trained voluntary staffs /task forces /Anganwadi workers on use and providing min. Health services to the community.	SDM
5 Arrangement of Mobile Health unit for inaccessible pockets/Health awareness campaign.	BDOs
6 Stock position for medicine for animals	Medical Officers
7 Ensuring supply of safe drinking water arrangement for supply of safe drinking water.	Paramilitary Forces
8 Disinfectant for purification of water.	Police.
9 Arrangement of mobile team and assigning specific operational area for supply of water.	PHE
10 Involvement of volunteers/village level workers.	DTO
	SW & SE

8.9. Infrastructure Restoration.

PREPAREDNESS	RESPONSIBILITY
1 Formation of task force with specific equipments.	NH authorities
2 Assigning responsibilities for specific areas.	PWD
3 Emergency cleaning of debris to enabled reconnaissance.	Police.
4 Coordinate road-cleaning activities to assist local relief work.	RD
5 Begin clearing roads, assemble causal labour provide a work team carrying emergency tool kits.	DTO
6 ing vehicles, Earth moving equipments, cranes, construct temporary roads.	All line departments
7 Keep National & other Highways clear from disaster effects.	All BDOs.
8 Damage assessment	
9 Monitoring.	

8.10 Sector Wise Distribution of responsibility for Vulnerability Reduction Measures

Type of Sector	Sub Sector	Mitigation Measures	Responsible Depts.	Time Frame
Communication & Infrastructure	Communication	Ensure maintenance and good running condition of communication systems	Telecom and District Administration	By 31 st of May
	Drinking water and sanitation	Repair of the Damaged standpoints Check the Leakage of overhead tanks and pipes	DWS	All the time
	Technology Dissemination	Installation of VHF in all the block headquarters	District Administration	Before May 31 st
Health/Animal Husbandry	IEC Activities	Walling, posters, rallies, street plays, volunteers training, task force training	NGO selected by the district and CDVO,	By May 31 st and after the receipt of warning
	Vaccination	Stock piling of vaccines	CDVO & CDMO	By June 30 th
	Training	Health care, sanitation, first aid	CDVO & CDMO	After the 1 st Natural Calamity Meeting
Livelihood	Awareness	Walling, posters, rallies, street plays, volunteers training, task force training	NGO selected by the district and CDVO	By May 31 st and after the receipt of warning
	Agriculture	Flood Resistant crops/ Alternative cropping Drought Resistant – short duration paddy Crop insurance Coordination with Irrigation and DRDA	Agriculture and horticulture department	Normal period Pre flood Period
	Horticulture	Nursery raising Insurance	Horticulture Department	Normal period Pre flood
Insurance	IEC Activities	Walling, posters, rallies, street plays, volunteers training, task force training	NGO selected by the district and CDVO	During normal period
	Livelihood	Ensure insurance of livestock, crops, work sheds/workshops etc.	Agriculture, Cooperative Society	During normal period
	Life	Awareness	NGOs	During normal

				period
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CHAPTER-9

DISTRICT EMERGENCY OPERATION CENTRE / DISTRICT CONTROLROOM
(Tel. No. 0381-1077/ 2322971/2325503-EPBX)-7621 - EXT)

9.1 CHECKLIST FOR CONTROL ROOM:

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

9.2 STANDARD OPERATING PROCEDURE FOR DISTRICT CONTROL ROOM

(A) STANDARD OPERATING PROCEDURE - FLOOD & CYCLONE

Warning (Before the incident):

1. Intimation from Sub division **EOC/Rain recording station**/Public/Media.
2. DEOC staffs will analyze the information very fast:-
 - (a) Where incident may take place
 - (b) When the incident took placeAnd the DEOC staffs will inform **O/C, DEOC or directly to DM Collector, Khowai** for further instruction.
3. Flash the emergency message as per format.
4. Intimate over phone to DDMA/Police Control Room/SDM/BDO/EE(PWD)/EE(DWS)/CMO/**GREF/ Fire Station**

During the incident

1. Intimation from Sub division **EOC/Seismic station**/Public/Media.
2. DEOC staffs will analyze the information very fast:-
 - (a) What incident took place
 - (b) Where the incident took place
 - (c) When the incident took place
 - (d) What support required as asked forAnd the DEOC staffs will inform **O/C, DEOC or directly to DM Collector, Khowai** for further instruction.
3. Flash the emergency message as per format.
4. Intimate over phone to DDMA/Police Control Room/SDM/BDO/EE(PWD)/EE(DWS)/CMO/**GREF/ Fire Station**
5. DEOC/ Sub Divisional Control Room will immediately pass the information to the
 - **SDPO for sending QRTs** for search & Rescue Operation (Police/ Fire Service/ TSR/BSF/CRPF etc)
 - **SDMO for sending QRTs for First Aid**
 - SE, PWD/ GREEF etc for sending QRT for Road cleaning for response activities
 - AGM, TSECL to cut the power supply of the affected area to avoid accident may cause by electric shock
4. Sending of Quick Response Team (QRT):

4.0. Search & Rescue
4.1. First Aid
4.2. Road cleaning
5. Contact SDM for shelter house and Relief
6. Contact SE, DWS for ensuring Drinking water/ sanitation
7. Dy. Director, ARDD for arrangement of Cattle camp
8. Contact SED for vulnerability assessment of affected houses and Damage assessment
9. all DDMA/ District level QRT/ District level Core Team meeting for more support from outside and for situational analysis
10. Chalk out detailed response mechanism.

Post incident:

1. Repair/Re-construction of damaged buildings /Roads/bridges/Culverts.
2. Evaluate risk/damage of the affected sites.
3. Send Status / Action Taken Report to Govt / State EOC
4. Place request for fund.
5. Rehabilitation /Relief measures /Re-construction.

(B) STANDARD OPERATING PROCEDURE FOR EARTHQUAKE SITUATION

During Incident

1. Intimation from Sub division **EOC/Seismic station**/Public/Media.
2. DEOC staffs will analyze the information very fast:-
 - (a)What incident took place
 - (b)Where the incident took place
 - (c) When the incident took place
 - (d)What support required as asked forAnd the DEOC staffs will inform **O/C, DEOC or directly to DM Collector, Khowai** for further instruction.
3. Flash the emergency message as per format.
- 4.Intimate over phone to DDMA/Police Control Room / SDM / BDO / EE(PWD) / EE(DWS) / CMO / **GREF/ Fire Station for sending QRT.**
5. DEOC/ Sub Divisional Control Room will immediately pass the information to the **SDPO for sending QRTs** for search & Rescue Operation (Police/ Fire Service/ TSR/BSF/CRPF etc)

SDMO for sending QRTs for First Aid

SE, PWD/ GREEF etc for sending QRT for Road cleaning for response activities
AGM, TSECL to cut the power supply of the affected area to avoid accident may cause by electric shock

4. Sending of Quick Response Team (QRT):

- | |
|--|
| <ol style="list-style-type: none">4.0. Search & Rescue4.1. First Aid4.2. Road cleaning |
|--|

5. Contact SDM for shelter house and Relief
- 6.Contact SE, DWS for ensuring Drinking water/ sanitation
- 7.Dy.Director, ARDD for arrangement of Cattle camp
- 8.Contact SED for vulnerability assessment of affected houses and Damage assessment
- 9.all DDMA/ District level QRT/ District level Core Team meeting for more support from outside and for situational analysis
- 10Chalk out detailed response mechanism.

After incident

- 1 Repair/Re-construction of damaged buildings /Roads/bridges/Culverts.
2. Evaluate risk/damage of the affected sites.
3. Send Status / Action Taken Report to Govt / State EOC
4. Place request for fund.
5. Rehabilitation /Relief measures /Re-construction.

(C) STANDARD OPERATING PROCEDURE FOR ROAD ACCIDENT SITUATION

- 1.Intimation from Sub division EOC/ Public/Media.
2. Flash the emergency message as per format.
3. Intimate over phone to DDMA/SDM/BDO/EE (PWD)/ CMO/**GREF/SP/DTO**
4. Send rescue & evacuation team:

- | |
|--|
| <ol style="list-style-type: none">4.0. Warning /awareness/intimation/ evacuation.4.1. Requisition for lifting machine/tools4.2. Contact CPMF for rescue operation |
|--|

5. Contact health ambulance/Contact person-SDM/BDO/CMO/DFO(Fire)
6. Requisition vehicles/Food/Medicine/ Water/Fire service
7. Call DDMA meeting.
8. Chalk out detailed response mechanism.
9. Despatch all the teams

- **Evacuation, Search and Rescue Team**
- **Emergency Health Management Team**
- **Relief Management Team**
- **Transport Management Team**

- **Animal Resource Management Team**
- **Infrastructure Management Team**
- 10. Repair/Re-construction of damaged Roads/bridges/Culverts.
- 11. Civil society organization.
- 12. Risk/damage of the affected sites/transporting vehicles.
- 13. Send Status / Action Taken Report to Govt / State EOC
- 14 Place request for fund.
- 15. Rehabilitation /Relief measures /Re-construction.

2. Operational Timing:

Operational Timing: JUNE to DECEMBER Every Year		
Normal	Warning	Post
24 Hrs	24 Hrs	24 Hrs

9.3 Nature of Information to be collected:-

- 1 Natural calamity,
- 2 Law and order matter,
- 3 Extremist /ethnic/political violence,
- 4 Food position in the remote areas,
- 5 Outbreak of any disease,
- 6 Scarcity of essential items,
- 7 Drinking water problem of serious nature,
- 8 Landslide,
- 9 Major road accident or accident of serious nature,

9.4. MAINTENANCE OF RECORDS IN THE DISTRICT CONTROL ROOM: -

A register for receiving and recording information and passing the same to District Magistrate & Collector, Khowai District, both the Additional District Magistrate & Collectors, Khowai District, the State Control Room (SCR), the concerned District Agency and the In Charge, District Control Room - initially over phone and thereafter, mandatorily, in the form of a memorandum.

An Attendance Register for recording the time of arrival and departure of staff.

9.5 EQUIPMENTS & FURNITURE, ETC.

- I. All search & Rescue Items

II. A telephone

9.6. Duty Hours

It shall function in three shifts. The timing of the shifts may be preferably **6 AM – 11 AM, 11 AM - 6 PM and 6 PM - 6 AM.**

9.7. COMPOSITION OF SHIFT

Each shift in the District Control Room shall comprise the following category of **Staff:-**

1) Shift-in-Charge (preferably in the rank of Sub Inspector of Police/ Revenue Inspector/Excise Inspector/Kanungo/Extension Officer/ Officer of PSUs (on deputation) - preferably equivalent to the rank of Revenue Inspector),

2) There shall be a TCS officer who shall be the in charge of the District Control Room under the over all control of the DM & Collector.

9.8 Functioning of the Control Room at the time of Emergency:-

At the time of emergency the affairs of the control room shall be directly managed by the DM & Collector.

9.9 Following preparatory steps will be taken up by the DM & Collector the for keeping the control room functional during emergency.

Shift one more phone lines to control room.

Alert all field officers:

1. *Warning shall be issued to SP, OICs of PSs, all SDMs, all BDOs, CMO, SDMs, Deputy Director, Agriculture/Horticulture/Fishery/Food/ICAT/SW &SE/ARDD, DTO, SE, PWD/Power/RD/ PHE, Station Director, AIR/Doordarshan , Executive officers , Nagar Panchayats and AMC to mobilize their resources and they remain in their headquarters until the situation is normalized.*

2. Food and Kerosene:

2.1. *Check up availability of food (rice, chira and Gur) and kerosene at sub divisional headquarters, with storage agents and other inaccessible pockets. SDMs shall contact all Storage Agents. They shall personally visit the go downs and verify the stocks. The Agents shall remain present at the store round the clock. SDMs shall immediately depute one officer to the place where the storage go downs are located.*

2.2. *Direct the Private stockist/ wholesaler and FCI to remain open on all days, including Sundays and holidays, till situation gets back to normal.*

2.3. *Start movement of food stock and Kerosene Oil from sub divisional headquarters to areas that are likely to be cut-off.*

2.4. Start movement of food stock and K. Oil from district headquarters to Sub divisional headquarters.

3. Check availability of sand bags

4. Health sector: Make a rapid assessment of the following.

4.1. Check up the stock of medicines, bleaching powder, and halogen tablets, If necessary, send immediate requisition.

4.2. Start movement of medicines, bleaching powder, etc. to Hospital/ PHCs/ RHs/ Sub Centers.

4.3. Ensure that medical officers are in place at the Hospital/ PHCs/ RHs/ Sub Centers through police stations, blocks, and Health Department.

4.4. CMO shall decide the locations of camps.

4.5. All CDPOs shall be teamed up with the MO of PHCs/ RHs/ Sub Centers with their vehicles and supervisors.

5. Vehicles: Requisition 30 small and 30 big vehicles immediately. Further requisition will be made as per need.

6. Empower field officials to requisition vehicles. Send 10 requisition forms to each, SDM and Police station.

7. Boats: Requisition boats within district.

8. Close Educational institutions after making an assessment of the seriousness of the emergency.

9. Veterinary measures: DD, ARDD shall make assessment of vaccines and fodder availability.

10. Air dropping zones: Use the lat-long book for identifying the air dropping zones. Make an advance list of villages where air dropping may be needed.

11. Each JE of RD, PWD, NH & Irrigation shall keep ready a gang of 20 persons (severe cyclone- 40-person gang) with axes and saws. They will also have one chain-pulley system ready.

12. Requisition the services of officers who have been effective in the past. Allot areas to them with full powers of decision making on the spot.

13. Make a thorough assessment of Relief items available in stock at different places.

14. Functional distribution of work: Following functional distribution of works shall be done. Each team will have staff and resources. The team leader will have full powers to take decisions.

4.1. Transportation team

4.2. Stock and store team

4.3. Finance team

4.4. Information and office documentation team

4.5. Food and other relief items team

4.6. Civil Society and International Organisations co-ordination team.

15. Civil Society Organisations: Get in touch with civil society Organisations. Allot them areas or functions. Get them introduced to the field functionaries. Ask them to prepare a list of volunteers. Make a quick inventory of their resources. Contact international agencies. Make a quick assessment of district needs and expectations from different agencies.

16. Press briefings: Press briefings play a very important role in disaster management. Daily press briefs will be issued at 1600 hours. Written information will be issued. Following format will be used.

17.3. Keep cattle tied in open spaces.

17.4. Keep sufficient dry food.

17.1. Remain alert.

17.2. Take shelter in nearest pucca building.

18. Regularly contact with State Control Room and the Secretary to the Chief Minister, Chief Secretary, Revenue Commissioner, Home Commissioner and Home Secretary.

19. Give written orders for identifying places for starting free kitchens. Issue clearance for 3 days.

20. Regularly check up www.tripura.nic.in and www.westtripura.nic.in and other web sites.

21. Keep spare copies of district maps. Jurisdiction maps of all irrigation divisions shall be kept ready in good numbers.

22. Get mobile phones for Collector/ CMO SDMs, SE, PWD/Power/PHE Irrigation

23. Contact Flood Cell of PWD

24. Requisition all IB/ Rest sheds.

28. Looking at the onset of emergency and after making quick preparations, convene Emergency meeting of important official and non-official agencies. Give them clear instructions.

25. Requisition School/ College for army/ police forces.

26. Direct all field officers to hire generators and keep sufficient oil for running them.

27. Direct all police stations to keep spare batteries for VHF

28. Looking at the onset of emergency and after making quick preparations, convene Emergency meeting of important official and non-official agencies. Give them clear instructions.

CHAPTER-10

COORDINATION & LINKAGE

Co-ordination and linkage with District level Officers and field officers.

Sl.No.	Time	Coordination Linkage
1.	PREPARED- NESS	<p>1</p> <p>2 In the normal time, the Collector shall convene the District Level Disaster Management Committee Meeting quarterly basis with all the stake holders.</p>
2.	Pre-crisis After warning	<ul style="list-style-type: none"> • Assignment of duties. • Pre-positioning of staff in the likely cut off areas • Arrange food and other basic requirement for emergency response. • Meeting with district level officials /Officials at Head quarter and chock out emergency plan with vulnerable areas and resource list • Co-ordination meeting of NGOs /PRIs. • Collect information from different areas and to act accordingly.
3.	During crisis	<ul style="list-style-type: none"> • Co-ordination meeting with officials at Headquarters by 12 hours intervals and 24 hours intervals with the field officials. • Regular collection of situation report of the risk and vulnerable areas from the officers assign for the purpose. • Provision for administering emergent relief and the other basic needs

		<ul style="list-style-type: none"> • Contact with the concerned agency for supply of Temporary shelter materials. • Keeping inform DD, Food for supply of food articles procuring from FCI/Whole sellers. • Deputation of Volunteers to different probable affected areas.
4.	Post Crisis	<ul style="list-style-type: none"> • Helping the evacuees for returning to their houses. • Immediate arrangement of free kitchen in the cut-off and inaccessible areas • Relief distribution. • Monitoring of Relief distribution. • Provision of drinking water • Provision of Medical facilities. • Repair/Restoration of Roads. • Transportation of Relief and Human Resources.

CHAPTER-11

MOCKDRILL

a) Annual Mock Drill at district level have been conducted in West Tripura District. on 11/12/2009 and 29/01/2011 Different line deptt. / CPMF / NGO etc. have taken part in the drill.

Next Mock Drill at district level will be conducted on the day of International Day for Disaster Reduction

b) Sub-Division level / Block level / G.P. level Mock Drill:-

All the SDMs / BDOs shall conduct Mock Exercise at their respective level twice a year (May and November).

c) Placement of fund to conduct Mock Exercise:- _____

Govt. in Rev. Deptt. may place fund as per following break up to conduct the above Mock Drill;

Sl No.	Description of Mock Drill	Remarks	Amount of fund required
1	For District level Mock exercise on earthquake, covering vulnerable villages, Schools, Hospitals etc at a time on specific date	₹ 60,000/-	Mock Exercise will be conduct after getting a fund from Govt. in Rev. Deptt.
2	For Sub-Divisional level Mock exercise [for 2 sub-divisions]	₹ 50,000/-	Mock Exercise will be conduct after getting a fund from Govt. in Rev. Deptt.
3	For Block level , GP level Mock Exercise	₹ 18,000/-	Mock Exercise will be conduct after getting a fund from Govt. in Rev. Deptt.
Total :- ₹ 128,000/- (Rupees, One Lakhs Twenty eight Thousand) only			

CHAPTER – 12

PREPAREDNESS CHECKLIST FOR VARIOUS DEPARTMENTS DISTRICT CONTROL ROOM

- Vulnerability map of the Block.
- Resource Inventory, Capacity analysis.
- List of cut off areas with safe route map for communication.
- List of storage facilities, dealers of food.

- Control room setup/assignment of control room duty.
- Pre-positioning of staff for site operation centers.
- Arrangement of alternative communication/generator sets etc.
- Arrangement of vehicles/boats of for evacuation.
- Dissemination of warning/ coordination with District control room.

SDM

- Volnerability map of the Block.
- List of cut off areas with safe route map.
- List of storage facilities, dealers of food.
- Control room setup/assignment of control room duty.
- Pre-positioning of staff for site operation centers.
- Arrangement of alternative communication/generator sets etc.
- Arrangement of vehicles/boats of for evacuation.
- Dissemination of warning/ coordination with District control room.
- Ensuring coordination with the G. P/ Panchyat Samiti.

BDO

- Volnerability map of the Block.
- List of cut off areas with safe route map.
- List of storage facilities, dealers of food.
- Control room setup/assignment of control room duty.
- Pre-positioning of staff for site operation centers.
- Arrangement of alternative communication/generator sets etc.
- Arrangement of vehicles/boats of for evacuation.

- Dissemination of warning/ coordination with District control room.
- Ensuring coordination with the G. P/ Panchyat Samiti.

IRRIGATION

Communication establishment with District and Block Control Rooms and departmental offices within the district.

An officer to be appointed as nodal officer.

Activation of flood monitoring mechanism

Methods/ communication arrangement of alerting officers on various sites established

Mechanism evolved for forewarning settlements in the down stream/ evacuation/coordination with other dam authorities

Identification of materials required for response operations.

Repairs/under construction activity are well secured

Water level gauges marked

Inlet and outlet to tanks are cleared

Watch and ward of weak embankments & stock piling of repair materials at vulnerable points

Guarding of weak embankments

All staff informed about the disasters, likely damages and effects

POWER

Communication establishment with District and Block control rooms and departmental offices within the division

An officer to be appointed as nodal officer

Standby arrangements for temporary electric supply or generators

Inspection and repair of high-tension lines/substations/transformers/poles etc.

Clearing of damaged poles/salvaging of conductors and insulators

Identification of materials required for response operations.

All staff informed in-formed about the disasters, likely damages and effects

AGRICULTURE

Communication establishment with District and Block Control Rooms and departmental offices within the division

An officer to be appointed as nodal officer

Information provided about the disaster and likely damages to crop and plantation

Organized transport, storage and distribution of seeds/fertilizers/pesticides

Cleaning operation carried out to avoid water-logging and salinity

Surveillance for pests and diseases being carried out.

Establishment of public information centers requirements for salvage or re-plantation assessed damage

Identification of different areas to be affected by different hazard

Listing of irrigation sources with status.

All staff informed in-formed about the disasters, likely damages, and effects.

POLICE

Communication establishment with District and Block Control rooms and departmental offices within the division.

An officer to be appointed as nodal officer

Overall traffic management and patrolling of all highways and other access roads to disaster sites

Identification of antisocial elements

Provision of security in transit camps/feeding centers/relief camps/cattle camps/cooperative food stores and distribution centers.

1

Assistance to district authorities for taking necessary action against hoarders, black marketers and those found manipulating relief material.

Coordination with military service personnel in the area being carried out.

All officers made available to inquire into and record of deaths

Assisting the community in organizing emergency transport or injured

All staff informed in-formed about the disasters, likely damages and effects

CMO

Communication establishment with District and Block control rooms and departmental offices within the division

An officer to be appointed as nodal officer

Stockpiling of life saving, anti-diarrhoeal drugs, de-toxicants, anesthesia, and adequate drinking water.

Arrangement of ambulance/generators

In-house emergency medical teams to ensure that adequate staff available at all times to handle emergency casualties.

Listing of private health facilities

Strengthening of disease surveillance

Formation of mobile units and ensure communication with them.

Identification of sites in probable disaster areas for site operation areas

Awareness generation

All staff informed in-formed about the disasters, likely damages and effects

PUBLIC WORKS DEPARTMENT

Communication establishment with District and Block control rooms and departmental offices within the division

An officer to be appointed as nodal officer

Arrangement of extra vehicles/ heavy equipments, such as front-end loaders/towing vehicles/earth moving equipments /cranes etc.

Inspection and emergency repair for roads/road bridges/ underwater inspection /piers/concrete and steel work.

Emergency inspection by mechanical engineer of all plant and equipments.

Route strategy for evacuation and relief marked

Clearance of blocked roads.

Community assistance mobilized for road clearing.

All staff informed in-formed about the disasters, likely damages and effects.

TELECOMMUNICATION

Communication establishment with District and Block control rooms and departmental offices within the division

An officer to be appointed as nodal officer

Standby arrangements for temporary electric supply or generators

Inspection and repair of poles etc.

Identification of materials required for response operations.

All staff informed in-formed about the disasters, likely damages and effects

PUBLIC HEALTH ENGINEERING

Communication establishment with District and Block control rooms and departmental offices within the division

An officer to be appointed as nodal officer

Arrangement of water tankers and other temporary means of distribution and storage water

Adequate arrangement to provide water to relief camps/affected villages, alternate water supply arranged in feeding centers/cattle camps etc

Disinfections of water bodies

Identification of appropriate potable water supply

All staff informed in-formed about the disasters, likely damages and effects

ARDD

Communication establishment with District and Block Control Rooms and departmental offices within the division

An officer to be appointed as nodal officer

Listing of animal population with category

Stock pilling of emergency medicines and medical equipments

Arrangement of anesthetic drugs/vehicle for transport of injured animals

Identification of places for opening of operational sites

Stock pilling of water, fodder, animal feed.

All staff informed in-formed about the disasters, likely damages, and effects.

- All Block Level office i.e. Asstt. Director Teliamura, Khowai and Superintendent State Veterinary Hospital, Astabal.

CHAPTER –13

OPERATIONAL GUIDELINES: DO'S & DON'TS

WHAT TO DO IN THE EVENT OF FLOOD

DO'S	DON'TS
Regular listening to the Radio/ TV/ Public Addressing System for advance information and advice	Do not enter into flood waters without any support
Disconnect all electrical appliances and move all valuable personal house hold belongings and clothing out of reach of flood water, if you are warned of if you suspect that flood waters may reach the house	Never wander around a flood area
Move vehicles, essential commodities, Farm animals and movable goods to the high elevated place nearby as far as practicable	Do not allow children's to play in or near, flood waters
Turn off gas or may shift it with you if have to leave the house	Do not drive into water or unknown dearth and current
Lock all outside doors and windows before leaving for safer place	Do not eat food or drink water which is contaminated by flood water
If you have to evacuate, do not return until you are advised to do so.	

WHAT TO DO IN THE EVENT OF CYCLONE

DO'S	DON'TS
Regular listening to the Radio/ TV/ Public Addressing System for advance information and advice	Avoid peeping/ go outside during a lull in the storm
Allow considerable margin for safety	Be away of fallen power lines, damage bridges and structure
A cyclone may change direction, speed or intensity within no time, so stay tuned to the radio/ TV for update information	Do not go out side for sight seeing
Tape up large windows to prevent from shattering/ free flow of wind	Do not relax if there is a lull as it could be the eye of a storm and winds could pick up again
Move to the nearest shelter or vacate the area if this is ordered by the appropriate Govt. Agency	
Stay indoors and take shelter in the strongest part of the house/ society	
Open windows on the sheltered side of the house if the roof begins to lift	
Find shelter if you are caught out in the open	
If you have to evacuate, do not return until you are advised to do so	
Cans, Tins and other implements should not be kept loose, as they may become weapons of destruction during a storm	
Try to remain calm and try to calm others around you	
Let free the livestock	

WHAT TO DO IN THE EVENT OF EARTHQUAKE

DO'S	DON'TS
Listen to the Ratio/ TV/ Public addressing system for advance information and advice.	Do not run and do not wander round the streets
Teach all members of your family how to turn off the electricity, water and gas supply	Keep away from buildings, walls, slopes, electricity wires and cables & stay in the vehicle
Protect yourself buy staying under the lintel of an inner door, in the corner of a room, under a table or even under a bed	Do not rush to the doors or exits never use the lifts keep well away from windows, mirrors, chimeneys and furniture
Keep away from odl, tall or ditched buildings, electricity wires, slopes and walls, which are liable to collapsed.	Do not rush to the doors or exists, never use the lift
Stop the vehicle away from building, walls, slopes, electricity wires and cables	Avoid places where there is use electric wires and do not touch any metal object in contact with them

Live your badly damaged house	Do not re-enter badly damaged buildings and do not go near damage structure.
Collect water containers, food items and ordinary and facial medicines.	

CHAPTER-14

Action Plan for DRR activities under Khowai District for year: 2012-13.

Sl	Activity	The Process	Time line	Outcome
1	DDMA Meeting	Quarterly meeting for follow up (i) preparedness level in the District (ii) monitoring DRR activities/ programs (iii) Designing need based strategy/ policy (or as frequent as per need)	(i) June,12 (ii) Sept,12 (iii) Dec,12 (iv) March,13	-Preparedness level as per goal set up has been reviewed -Need based strategy has been adopted to achieve the Goal: Reduction of losses and lives and properties -Output of ongoing DRR activities has been followed.
2	Core Committee meeting	(i) District level Core Committee : Quarterly meeting for follow up preparedness level in the District and monitoring DRR activities/ programs (ii) Sub Divisional level and Block level Core Team: Quarterly meeting for follow up preparedness level in Sub Divisional and Block level and monitoring DRR activities/ programs	(i) July,12 (ii) Oct,,12 (iii) Jan,13 (iv) March,13	-Preparedness level as per goal set up has been reviewed -Plan for Monitoring and evaluation prepared and responsibility assigned
3	Meeting of District Advisory Committee	Identification of vulnerable houses and buildings and identification of mitigation measures	By Dec,12	List of vulnerable houses and buildings prepared and incorporated in GP/ Block/Sub Division/ District Plan with suggestion for mitigation measures for each identified house.
4	Meeting of Quick Response Team (QRT) at District, Sub Division and Block level	-Planning for Capacity building Training in community level and in school level -Organizing Mock Drills in community and school level	(i) June,12 (ii) Sept,12 (iii) Dec,12 (iv) March,13	-Plan prepared for organizing Capacity building Training in Community level (@ every month 5 Nos training in each Block) (ii) Responsibility assigned for organizing the same (iii) Preparedness level for response reviewed and new strategy developed as per need
5	Capacity building DEOC/EOC at Sub	-District level Capacity building training with Control Room Staffs for smooth	Sept,12 March,13	EOC staffs are capacitated in performing duties and well aware of following SOP

	Division and Block level	functioning of control room (such as- information collection, dissemination, information analysis, follow up of SOP, handling EOC equipments, networking, record keeping etc)		
6	Orientation of Nodal Officers	2 Days District level orientation program on DRR Concept and roles and responsibility of Nodal Officers, departmenta plan preparation, SOP preparation	June,12	Nodal officers knows how to prepare departmental Disaster Management Plan
7	Preparation of Disaster Management Plan at District, Sub Division, Block, Nagar Panchayet and GP/Village level	-3 days Refresher Training to (a) PRI Secretaries, PRI Staffs, (b)Block, Sub Divisional Staffs and (c) District Staffs on DRR Concept and Plan preparation (d)Vulnerability and risk analysis (e)Identification of DRR activities integrating with Development schemes	By Dec,12	-GP/VC level Disaster Management Plan,2013-14 prepared -DPP activities as identified in GP level has been streamlined in Block, Sub Divisional, and District Plan -DRR activities has been integrated with development schemes
8	Development of IEC Materials	-Wall Painting, Hording, Banner on Safety Tips	By Aug,12	Community and families know Dos and Donts of earthquake, cyclone and flood
9	Awarness Program	<i>Village level Awareness Program using CD/ DVD @ 5 Nos every month by BDOs. Priority : Villages situated over or closer to fault line</i>	<i>Round the plan period</i>	Community and families know safety tips of earthquake, cyclone and flood
10	First Aid & Rescue Training to the identified disaster management team members at sub divisions, blocks and panchayets.	Search & Rescue and First Aid Training to GP Volunteers and Families (living in vulnerable houses such as mud walls) by QRT. Priority : villages situated on or closer to the Major Fault, Major lineament , Minor lineament (as per Tectonic Map) @ 2 Nos training in each sub Division in each month	Round the plan period	GP volunteers has been trained on search & rescue and first aid operation
11	Mock drill : 2 mock drills in district , Sub Divisions, Blocks, panchayets,	Block level : Community level Mock Drills (monthly) to be conducted involving GP Volnteers, families living in vulnerable houses, NGOs, QRTs, GP Disaster Management Committees. Sub Divisional level: Mock	Round the plan period	Families living in vulnerable houses, GP DMTs, GP DMCs know their roles and responsibilities during any disaster

	Schools.	Drills (3 times in a year) to be conducted 2-4 places at a time in the Sub Divisional area involving GP Volunteers, families living in vulnerable houses, NGOs, QRTs, GP Disaster Management Committees, Block and Sub Divn. Level Core Team, Block and Sub Divisional Disaster Management Committee. District Level: Mock Drills (twice in a year) to be conducted 8-10 places at a time in the District involving GP Volunteers, families living in vulnerable houses, NGOs, QRTs, GP Disaster Management Committees, Block and Sub Divisional Disaster Management Committee and DDMA along with District level QRT & Core Team		
12	Mock Drill in schools	Monthly Mockdrill to be conducted all of a sudden in the multi storied school building or having old buildings. @ 2 Nos schools in each sub Division in every month	Round the Plan period	Students and School staffs, teachers practicing drop cover hold, evacuating safely
13	<i>Strengthening SHG Members on Disaster Management</i>	<i>Workshop on Strengthening SHG Members as well as preparation of Family Disaster Preparedness Plan preparation @ 1 Nos workshop in each Block</i>	<i>By Jan,13</i>	<i>SHG members are sensitizing families and its members in preparation of family level Disaster Preparedness Plan</i>
14	School Safety Plan should be worked out jointly by District Administration and School Education Department	(i)Refresher Teachers Training should be conducted for School Safety Plan preparation . (@ 1 Nos Refresher Teachers Training in each sector round the year)	By Nov,12	-School Safety Plan of each school under Dhalai District has been prepared.

15	Capacity building Training on Search & Rescue and First Aid in Schools	4 days Training on Search & Rescue and First Aid for School level Disaster Management Teams to be conducted by QRTs. Priority: Multi storied schools or having old buildings. [@ 2 nos Training on Search & Rescue and First Aid in 2 Nos schools situated over on or closer to the Major Fault, Major lineament , Minor lineament (as per Tectonic Map) and having old/ weak buildings per month in each Sub Division]	Round the plan period	Students are capaciated in handling search & rescue and First Aid operation during emergency
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The End