

DISTRICT DISASTER MANAGEMENT PLAN

COOCH BEHAR DISTRICT

2020-21

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CHAPTER –1

1.01: DISASTER

“A **Disaster** is a sudden, calamitous event that causes serious disruption of the functioning of a community or a society involving widespread human material economic or environmental losses and impacts which exceeds the ability of the affected community or society to cope using its own resources.” ---- **UN International Strategy for Disaster Reduction, (UNISDR).**

1.02: DISASTER MANAGEMENT

The Red Cross and Red Crescent societies define Disaster Management as “the organisation and management of resources and responsibilities for dealing with all humanitarian aspects of emergencies, in particular preparedness, response and recovery in order to lessen the impact of disasters.”









The United Nations defines Disaster Management as “the systematic process of using administrative directives, organizations, and operational skills and capacities to implement strategies, policies and improved coping capacities in order to lessen the adverse impacts of hazards and the possibility of disaster.”

Against this back drop a plan has been prepared namely “**Cooch Behar District Disaster Management Plan, 2018**”

1.03: OBJECTIVE :

- To assess the risks and vulnerabilities associated with various disasters;
- To develop appropriate disaster prevention and mitigation strategies;
- To formulate an inter-sectoral plan at the district level to mitigate disasters of different natures in a convergent manner.
- To minimize the disaster risk and vulnerability of people and infrastructure in the district
- To mainstream disaster management concerns into the developmental planning process.
- To define the roles and responsibilities of various stakeholders in disaster risk management & to ensure optimum co-ordination with all stakeholders related to disaster management viz line departments, Panchayat bodies, Army, BSF etc
- To build the capacity of all stakeholders in the district to cope with the disasters and promote community based disaster management.

1.04: Types of Disasters

<i>Common Natural Disasters</i>	<i>Man Made disasters</i>
 Cyclone	 Accident- Road/ Railway
 Flood	 Rasta Roko
 Drought	 Fire- House / Forest
 Earthquake	
 Hail Storm/ Whirl wind	

1.05: OVERVIEW OF THE DISTRICT:

Location: Cooch Behar is the North Eastern district of the Jalpaiguri Division. Geographically it forms part of Himalayan Tarai Region of West Bengal.

Area and Administrative Division:



1.06: District Profile

Area	3388.34 sq km																								
Latitude	25°57'47" & 26°36'20" North																								
Longitude	88°47'44" & 89°54'35" East																								
Bordering Countries/States	<u>Bangladesh</u> in the south & south west. District Alipurduar in the north. District Jalpaiguri in the west. State of <u>Assam</u> in the east.																								
Major rivers	<p>The rivers flow in a slanting course from north-west to south-east. Six river systems cut through the district flowing in a south-easterly direction. From the west to east these are: - the Tista system, Jaldhaka system, Torsa, Kaljani, Raidak and Gadadhar system. Some notable rivers are :-</p> <table><tr><td>1</td><td>Dharla</td><td>5</td><td>Jaldhaka</td><td>9</td><td>Raidak - II</td></tr><tr><td>2</td><td>Dudua</td><td>6</td><td>Kaljani</td><td>10</td><td>Sankosh</td></tr><tr><td>3</td><td>Gadadhar</td><td>7</td><td>Mansai</td><td>11</td><td>Teesta</td></tr><tr><td>4</td><td>Ghargharia</td><td>8</td><td>Raidak-I</td><td>12</td><td>Torsa</td></tr></table>	1	Dharla	5	Jaldhaka	9	Raidak - II	2	Dudua	6	Kaljani	10	Sankosh	3	Gadadhar	7	Mansai	11	Teesta	4	Ghargharia	8	Raidak-I	12	Torsa
1	Dharla	5	Jaldhaka	9	Raidak - II																				
2	Dudua	6	Kaljani	10	Sankosh																				
3	Gadadhar	7	Mansai	11	Teesta																				
4	Ghargharia	8	Raidak-I	12	Torsa																				
No of Sub Divisions	5																								
No of Blocks	12																								
No of Police Stations	15 [including 2 (two) women PS at Cooch Behar sadar & Dinhata]																								
Population	28,19,086 (2011 census) : West Bengal 9,13,47,736																								
Male population	14,51,542																								
Female population	13,67,544																								
Sex Ratio	942 females per 1,000 males (2011)																								
Population Density	832 km²																								
Rural Population	25,29,652																								
Urban Population	2,89,434																								
Decadal Growth Rate	14.05% (2001-2011)																								
SC	14,14,336																								
ST	18,125																								
Others/General	13,86,625																								
Total Households	6,65,720 (as per census 2011)																								
Percentage of Rural Population to total population	89.73																								

1.07: Administrative Units

Police Station	Block/ Municipality(M)	Panchayat Samity	Gram Panchayat	Gram Sansad	Mouzas (2001)	Inhabited Villages (2011)	Households (2011)	Municipality		Census Town (2011)*
								Nos.	Wards	
Cooch Behar (Kotwali)	Cooch Behar-I	1	15	208	144	142	76550	-	-	3
	Cooch Behar (M)	-	-	-	-	-	18431	1	20	-
Pundibari	Cooch Behar-II	1	13	220	115	111	80438	-	-	5
Cooch Behar Sadar Sub Division:		2	28	428	259	253	175419	1	20	8

Dinhata	Dinhata-I	1	16	204	130	128	67587	-	-	1
	Dinhata (M)	-	-	-	-	-	8739	1	16	-
Sahebganj	Dinhata-II	1	12	159	119	119	60896	-	-	-
Sitai	Sitai	1	5	71	53	53	26647	-	-	-
Dinhata Sub Division:		3	33	434	302	300	163869	1	16	1

Mathabhanga	Mathabhanga-I	1	10	137	102	101	49786	-	-	-
	Mathabhanga (M)	-	-	-	-	-	5792	1	12	-
Ghoksadanga	Mathabhanga-II	1	10	135	93	92	50902	-	-	-
Sitalkuchi	Sitalkuchi	1	8	137	70	67	42587	-	-	-
Mathabhanga Sub Division:		3	28	409	265	260	149067	1	12	-

Mekhliganj (P) & Kuchlibari	Mekhliganj(part)	1	8	95	187	137	37142	-	-	1
Mekhliganj (P)	Mekhliganj (M)	-	-	-	-	-	2249	1	9	-
Haldibari	Haldibari	1	6	63	62	57	24238	-	-	-
	Haldibari (M)	-	-	-	-	-	3405	1	11	-
Mekhliganj Sub division:		2	14	158	249	194	67034	2	20	1

Tufanganj	Tufanganj-I	1	14	161	73	72	60433	-	-	1
	Tufanganj (M)	-	-	-	-	-	5171	1	12	-
Baxirhat	Tufanganj-II	1	11	124	54	53	44727	-	-	1
Tufanganj Sub Division:		2	25	285	127	125	110331	1	12	2
13	Block 12 Municipality 6	12	128	1714	1202	1132	665720	6	80	12

In addition 2 (two) nos Women Police stations are functioning; one at Cooch Behar Sadar and one at Dinhata.

1.08: Demographic Details

Sub-Division/ Dev. Block/Municipality(M)	Area (in sq. Km.) (2001)	Population (in number)			Density of Population (per sq. Km.)	Percentage of Population to district population
		Rural	Urban/ Census Town (CT*)	Total		
Cooch Behar-I Block	361.17	2,93,267	33,291**	3,26,558	904	11.58
Cooch Behar (M)	8.29	-	77,935	77,935	9,401	2.76
Cooch Behar-II Block	385.38	2,89,917	53,984**	3,43,901	892	12.20
Cooch Behar Sadar Sub-Division	754.84	5,83,184	1,65,210***	7,48,394	991	26.54
Dinhata-I Block	279.67	2,81,890	4,379**	2,86,269	1,024	10.16
Dinhata (M)	4.55	-	36,124	36,124	7,939	1.28
Dinhata-II Block	246.98	2,44,066	-	2,44,066	988	8.66
Sitai Block	160.82	1,10,333	-	1,10,333	686	3.91
Dinhata Sub-Division	692.02	6,36,289	40,503	6,76,792	978	24.01
Mathabhanga-I Block	319.39	2,18,191	-	2,18,191	683	7.74
Mathabhanga (M)	3.37	-	23,890	23,890	7,089	0.85
Mathabhanga-II Block	309.99	2,27,397	-	2,27,397	734	8.07
Sitalkuchi Block	262.51	1,85,353	-	1,85,353	706	6.57
Mathabhanga Sub-Division	895.26	6,30,941	23,890	6,54,831	731	23.23
Mekhliganj Block	302.07	1,50,767	4,483**	1,55,250	514	5.51
Mekhliganj (M)	3.88	-	9,127	9,127	2,352	0.32
Haldibari Block	152.38	1,03,969	-	1,03,969	682	3.69
Haldibari (M)	1.45	-	14,404	14,404	9,934	0.51
Mekhliganj Sub-Division	459.78	2,54,736	28,014	2,82,750	615	10.03
Tufanganj-I Block	317.00	2,43,256	5,339**	2,48,595	784	8.82
Tufanganj (M)	3.75	-	20,998	20,998	5,599	0.74
Tufanganj-II Block	265.69	1,81,246	5,480**	1,86,726	703	6.62
Tufanganj Sub-Division	586.44	4,24,502	31,817	4,56,319	778	16.19
District Total for 2011 :	3388.34	25,29,652	2,89,434	28,19,086	832	100.00
Note : CT* implies the Census Town treated as Urban Area though falling within Development Block. <i>Source :</i> ** implies urban population of the Census Town falling within the Block. <i>Census of India,</i> *** implies urban population of Municipality Area plus Census Town within the Sub-Division. <i>2011</i>						

1.09: Distribution of Population by Sex (as per Census, 2011)

Sub-Division/ Dev. Block/Municipality(M)	Total Population		
	Male	Female	Total
Cooch Behar-I Block	1,68,185	1,58,373	3,26,558
Cooch Behar (M)	39,014	38,921	77,935
Cooch Behar-II Block	1,79,591	1,64,310	3,43,901
Cooch Behar Sadar Sub-Division	3,86,790	3,61,604	7,48,394
Dinhata-I Block	1,47,602	1,38,667	2,86,269
Dinhata (M)	18,344	17,780	36,124
Dinhata-II Block	1,26,663	1,17,403	2,44,066
Sitai Block	56,016	54,317	1,10,333
Dinhata Sub-Division	3,48,625	3,28,167	6,76,792
Mathabhanga-I Block	1,12,497	1,05,694	2,18,191
Mathabhanga (M)	12,059	11,831	23,890
Mathabhanga-II Block	1,17,100	1,10,297	2,27,397
Sitalkuchi Block	94,277	91,076	1,85,353
Mathabhanga Sub-Division	3,35,933	3,18,898	6,54,831
Mekhliganj Block	80,052	75,198	1,55,250
Mekhliganj (M)	4,664	4,463	9,127
Haldibari Block	52,851	51,118	1,03,969
Haldibari (M)	7,306	7,098	14,404
Mekhliganj Sub-Division	1,44,873	1,37,877	2,82,750
Tufanganj-I Block	1,28,415	1,20,180	2,48,595
Tufanganj (M)	10,684	10,314	20,998
Tufanganj-II Block	96,222	90,504	1,86,726
Tufanganj Sub-Division	2,35,321	2,20,998	4,56,319
DISTRICT TOTAL :	14,51,542	13,67,544	28,19,086

1.10: Caste-wise Distribution of Population (as per Census, 2011)

Sub-Division/ Dev. Block/Municipality(M)	(in number)											
	Scheduled Caste (SC)			Scheduled Tribe (ST)			Others / General			Grand Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Cooch Behar Sadar Sub-Division	1,52,675	1,42,372	2,95,047	2,804	2,258	5,062	2,31,311	2,16,974	4,48,285	3,86,790	3,61,604	7,48,394
Cooch Behar-I Block	67,239	62,634	1,29,873	655	570	1,225	1,00,291	95,169	1,95,460	1,68,185	1,58,373	3,26,558
Cooch Behar (M)	5,260	5,258	10,518	219	189	408	33,535	33,474	67,009	39,014	38,921	77,935
Cooch Behar-II Block	80,176	74,480	1,54,656	1,930	1,499	3,429	97,485	88,331	1,85,816	1,79,591	1,64,310	3,43,901
Dinhata Sub-Division	1,60,488	1,50,408	3,10,896	1,358	1,367	2,725	1,86,779	1,76,392	3,63,171	3,48,625	3,28,167	6,76,792
Dinhata-I Block	64,992	60,881	1,25,873	593	578	1,171	82,017	77,208	1,59,225	1,47,602	1,38,667	2,86,269
Dinhata (M)	2,659	2,581	5,240	52	50	102	15,633	15,149	30,782	18,344	17,780	36,124
Dinhata-II Block	55,811	51,048	1,06,859	614	623	1,237	70,238	65,732	1,35,970	1,26,663	1,17,403	2,44,066
Sitai Block	37,026	35,898	72,924	99	116	215	18,891	18,303	37,194	56,016	54,317	1,10,333
Mathabhanga Sub-Division	2,07,488	1,96,908	4,04,396	1,688	1,745	3,433	1,26,757	1,20,245	2,47,002	3,35,933	3,18,898	6,54,831
Mathabhanga-I Block	77,333	72,723	1,50,056	64	76	140	35,100	32,895	67,995	1,12,497	1,05,694	2,18,191
Mathabhanga (M)	2,909	2,799	5,708	31	29	60	9,119	9,003	18,122	12,059	1,1831	23,890
Mathabhanga-II Block	75,928	71,695	1,47,623	1,471	1,503	2,974	39,701	37,099	76,800	1,17,100	1,10,297	2,27,397
Sitalkuchi Block	51,318	49,691	1,01,009	122	137	259	42,837	41,248	84,085	94,277	91,076	1,85,353
Mekhliganj Sub-Division	94,496	89,287	1,83,783	1,299	1,176	2,475	49,078	47,414	96,492	1,44,873	1,37,877	2,82,750
Mekhliganj Block	57,113	53,482	1,10,595	1,006	912	1,918	21,933	20,804	42,737	80,052	75,198	1,55,250
Mekhliganj (M)	2,290	2,180	4,470	54	55	109	2,320	2,228	4,548	4,664	4,463	9,127
Haldibari Block	32,515	31,094	63,609	164	149	313	20,172	19,875	40,047	52,851	51,118	1,03,969
Haldibari (M)	2,578	2,531	5,109	75	60	135	4,653	4,507	9,160	7,306	7,098	14,404
Tufanganj Sub-Division	1,13,359	1,06,855	2,20,214	2,239	2,191	4,430	1,19,723	1,11,952	2,31,675	2,35,321	2,20,998	4,56,319
Tufanganj-I Block	59,290	55,710	1,15,000	208	170	378	68,917	64,300	1,33,217	1,28,415	1,20,180	2,48,595
Tufanganj (M)	2,410	2,426	4,836	37	49	86	8,237	7,839	16,076	10,684	10,314	20,998
Tufanganj-II Block	51,659	48,719	1,00,378	1,994	1,972	3,966	42,569	39,813	82,382	96,222	90,504	1,86,726
Total for Rural Areas :	6,96,254	6,54,403	1,350,657	8,735	8,137	16,872	5,99,927	5,62,196	11,62,123	13,04,916	12,24,736	25,29,652
Total for Urban Areas :	32,252	31,427	63,679	653	600	1,253	1,13,721	1,10,781	2,24,502	1,46,626	1,42,808	2,89,434
District Total :	7,28,506	6,85,830	14,14,336	9,388	8,737	18,125	7,13,648	6,72,977	13,86,625	14,51,542	13,67,544	28,19,086

1.11: Distribution of Population by Age-Groups (as per Census, 2011)

Age Group (Years)	Male		Female		Total	
	Numbers	Percentage	Numbers	Percentage	Numbers	Percentage
0 to 4	122985	8.47	116673	8.53	2,39,658	8.50
5 to 9	136137	9.38	129375	9.46	2,65,512	9.42
10 to 14	152091	10.48	146952	10.75	2,99,043	10.61
15 to 19	155156	10.69	140768	10.29	2,95,924	10.50
20 to 24	145285	10.01	135526	9.91	2,80,811	9.96
25 to 29	126075	8.69	116297	8.50	2,42,372	8.60
30 to 34	94876	6.54	91422	6.69	1,86,298	6.61
35 to 39	101156	6.97	102710	7.51	2,03,866	7.23
40 to 44	97663	6.73	96984	7.09	1,94,647	6.90
45 to 49	82956	5.71	76879	5.62	1,59,835	5.67
50 to 54	74615	5.14	61146	4.47	1,35,761	4.82
55 to 59	52746	3.63	43992	3.22	96,738	3.43
60 to 64	41846	2.88	38868	2.84	80,714	2.86
65 to 69	27319	1.88	27293	2.00	54,612	1.94
70 to 74	17535	1.21	18334	1.34	35,869	1.27
75 to 79	9985	0.69	10359	0.76	20,344	0.72
80+	11773	0.81	12950	0.95	24,723	0.88
Age not stated	1343	0.09	1016	0.07	2,359	0.08
All Ages :	14,51,542	100.00	13,67,544	100.00	28,19,086	100.00

1.12 TYPE OF WORKERS AS PER CENSUS 2011:

Sl. No	Type of Workers							
	Main Worker		Cultivators		Agricultural		Others	
	M	F	M	F	M	F	M	F
	6,39,791	1,14,520	2,59,277	30,577	1,46,740	41,660	2,33,098	42,215

1.13: Disabled Persons by Type & by Sex in Cooch Behar, as per Census 2011

Type of Disability	Rural			Urban			District Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
In Seeing	5419	4740	10159	587	497	1084	6006	5237	11243
In Speech	1899	1607	3506	259	213	472	2158	1820	3978
In Hearing	4846	4668	9514	425	397	822	5271	5065	10336
In Movement	4870	2742	7612	520	282	802	5390	3024	8414
Mental Illness	1075	786	1861	164	112	276	1239	898	2137
Mental Retardation	1601	1128	2729	180	139	319	1781	1267	3048
Other Disability	6203	4704	10907	603	446	1049	6806	5150	11956
Multiple Disability	2952	2324	5276	249	194	443	3201	2518	5719
Total :	28865	22699	51564	2987	2280	5267	31852	24979	56831

All figures as per Census 2011

CHAPTER 2:**HAZARD, VULNERABILITY, CAPACITY AND RISK ASSESSMENT****2.1: HISTORY OF DISASTER AND PROBABILITY OF DISASTER EPISODES IN THE DISTRICT**

Type of Hazard	Year of Occurrence	Area affected	Impact on Life	Livelihood	Live stock
Flash Flood	1993	60%	40%		90000 (aprox.)
Flash Flood	2006	30%	20%		30000 (aprox.)
Flash Flood	2007	25%	10%		15000 (aprox.)
Flash Flood	2008	45%	30%		50000 (aprox.)
Flash Flood	2009	20%	15%		10000 (aprox.)
Flash Flood	2010	35%	20%		20000 (aprox.)
Flash Flood	2017	50%	30%		
Flash Flood	2019	15%	5%		

2.2: SEASONALITY OF HAZARD :

Type of Hazards	Jan-Mar				April-June				July-Sep				Oct-Dec			
	H	C	A	I	H	C	A	I	H	C	A	I	H	C	A	I
Cyclone					√	√	√	√	√	√	√	√				
Flood									√	√	√	√				
Drought																
Earthquake																
Sunstroke																
Fire	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Chemical Accidents																
Boat capsized									√	√						
Epidemic	√		√		√		√		√		√		√		√	
Accident									√							

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

2.3 RISK ASSESSMENT

Type of Hazards	Time of Occurrence	Potential Impact	Vulnerable areas
Cyclone	April - June	Loss of lives, animal, crop income, livelihood, infrastructures	All 5 Sub Divisions
Flood	June - September	Loss of lives, animal, crop income, livelihood, infrastructures, displacement	All 5 Sub Divisions
Drought			
Earthquake	Any Time	Loss of lives, animal, crop income, livelihood, infrastructures, displacement	All 5 Sub Divisions
Fire	Any Time	Loss of lives, animal, crop income, livelihood, infrastructures, displacement	All 5 Sub Divisions
Chemical Accidents			
Boat capsize	June - September	Loss of lives and property	All 5 Sub Divisions
Epidemic	Any Time	Loss of lives and property	All 5 Sub Divisions
Accident	Any Time	Loss of lives and property	All 5 Sub Divisions
Lightning	June - September	Loss of lives, animal	All 5 Sub Divisions

2.4 VULNERABILITY ANALYSES :

Major Rivers in the Cooch Behar District and Block likely to be affected by Flood.

Major Rivers in the Cooch Behar District	Block likely to be effected by Flood.
Teesta	Mekliganj and Haldibari
Jaldhaka / Mansai	Mathabhanga-I / II, Dinhata-I and Sitai
Torsa	Cooch Behar-I / II
Kaljani	Cooch Behar-I / II , Tufanganj-I & Dinhata-II
Raidak-I	Tufanganj-I
Raidak-II	Tufanganj-II
Sankosh	Tufanganj-II

INFORMATION ABOUT FLOOD PRONE AREAS:

Name of the river	R/B or L/B	Name G.P.& ward	Name of the Flood Prone area mouzes	Total no. of house hold likely to be affected	Distance from Block HQ
1	2	3	4	5	6
COOCH BEHAR – I DEV. BLOCK					
Cooch Behar-1 Dev.Block Torsha	R/B	Moamari	Chhoto Atharokota/,Barovita/ Athorokota/ Barovita/Digalhati Mayanaguri	230/ 210/ 150/ 125	16 K.M.
Cooch Behar-1 Dev.Block.Mansai	L/B	Falimari	Dewanbosh	165	12 K.M.
Cooch Behar-1 Dev.Block.Mansai	L/B	Chandamari	Bairati/Jagarjuli/Jagarjhuli/Kathalbari/Hastobhut Kasaldanga/Chhat Elajan	150/135/ 135/ 65 / 50 /70	22 K M
Cooch Behar-1 Dev.Block.MR/Bansai	L/B	Putimari Fuleswari	Shibpur/Kharija Naldhandra/Baro Naldhandra/Hardeb/Chhadarjhar/Putimari Fuleswari	90/75/150 /125/145/ 120	25 K.M.
Cooch Behar-1 Dev.Block. Torsha	R/B	Suktabari	Kalabarighat/Malerjhar/D.K. Dewanbosh/Veladanga	200/69 155/45	8 K.M.
Cooch Behar-1 Dev.Block. Torsha	R/B	Ghughumari	Ghughumari Char/Bander Sahebbari	150/50	5 K.M.
Cooch Behar-1 Dev.Block.Torsha	-	Guriahati-I	Lankabar/ Guriahati	185/80	13 K.M./ 5Km
Cooch Behar-1 Dev.Block.Torsha	L/B	Guriahati-II	Harin Chowra/ Gudam Maharani Ganj	150/ 85	9 K.M.
Cooch Behar-1 Dev.Block.Torsha	L/B	Dawaguri	Ghargharia/Ambari Bhojonpur/ Jhinaidanga/Dawaguri	165/160/ 75/ 85	18 K.M.
Cooch Behar-1 Dev.Block.Torsha	L/B	Panisala	Panisala part/ Goramara /Bojanpur/ Dhaierhat/Katnatipara	50/ 15/ 78/ 75/170	4 K.M.
Cooch Behar-1 Dev .Block Hausherdera	Middle	Haribhanga	Simulguri/ Kursamari/ Dayalerchara/ Pusnardanga/ Jongra/ Haribhanga/ Sealdaha/ Atharonala	300 /350/ 500/ 500/ 150/ 300/ 200/200	12 Km.

COOCH BEHAR – II DEV. BLOCK

Name of River	Name of GP	Right Bank/ left Bank	Name of Flood prone area/Mouza	Total no. of houses likely to be affected	Distance from Block HQ
TORSA	Patlakhawa	Right bank	Chhat Singimari/ Putimari Boxirbash/ Singimari Pachunirpar	200/250/250	14 KM/ 24km/ 12km
TORSA	Madhupur	Right bank Left bank	Kalpani / Ichhamari/ Hokakura/ Boldihati/ Shalmara/ Kamranga guri/Kawalipara/ (Kathalbari /Haripur /Aratguri)	250/125/100/ 150/ 200/50/50/35 0	12/12 /12 /13/ 09 /09/08/04 KM
TORSA	T- Rajarhat	Right bank/ Left bank	Matiguri/Damodarpur/Karishal	200/50/150	06 /07 /05 KM
KALJANI	Ambari	Left bank	Dhareyerhat	200	19 KM
TORSA	Pundibari	Left bank/ Right bank	Sajerpar Ghoramara/ Bashdaha-natibari/ Kalarayerkuthi	40/50/50	06 /05 /05 KM

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KALJANI/ Ghargharia	Khapaidanga	Left bank	Kurerpar/ Soultukni/ Chowdanga/ Ghearhari	50/ 40/250	14 /13 /13 KM
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TUFANGANJ - I DEV. BLOCK					
Name of river	LB/RB	Name of the G.P	Name of Flood prone area/Mouza	Population likely to be affected	Distance from Block HQ
Raidak-I		Dhalpal-I	Dhalpal(E)/ Shapara/ Shikdarekhata Uttar Dhalpal Bazar Kolony	1050/900/850	6/16/16 km
Kaljani Gadadhar		Natabari-I	West Panishala / Bhuchungmari / Dhorguri / Dwarikamari / Bosepara Kutibari	500/800/500/6 75/2000	17/16/15/14 km
Raidak-I Gadadhar		Nakkatigachh	Kamat fulbari (Char) / Chamta North K.bari /Dwiparpar /West Dhadi	1200/900/120 0/ 500	01/01/05 km
Kaljani Torsha Ghargharia		Maruganj	Bhelakopa-I/Chhatowa/ Bhelakopa-2/ Ayrani Chitalia /Solardanga	4000/2500/60 0 /2000/ 200	12/14/10/14/1 1 km
Gadadhar Raidak-I		Dhalpal-II	Khasbos(Entire Mouza) /Bilsa /Chhat Chilakhana-I / Guriarpar	475/325/240/1 75	13/10/5/5 km
Gadadhar Kaljani		Natabari-II	Jaigir Chilakhana / Bhelapeta/ Bajejama Chilakhana	2300/1600 / 100	14/10/08 km
Raidak-I Gadadhar Kaljani Torsha Ghargharia		Balabhut	Char Jhaoukuthi / Char Balabhut / South Balabhut(Char) / Nayar Char /	550/4075/300/ 200	35/21/22/25 km
Kaljani Gadadhar		Chilakhana-I	Chhat Bhelakopa / Amlaguri / Moyamari/ Jaigir Chilakhana / Chilakhana bazar	50/200/300/90 0/ 100	10/14/10/10 km
Raidak-I		A.Fulbari-I	Kutibari	860	5 km
Raidak-I		A.Fulbari-II	Bilsa	60	10 km
Gadadhar		Chilakhana-II	Ghogarkuthi(N)/ Ghogarkuthi(S) / Nowkhuli	1140/ 1700/ 1100	06/08 km
Kaljani Gadadhar		Deocharai	Chowkushi Balarampur /Deocharai / Santoshpur /Jhaljhal/ Boxirkuthi/ Bhairabertari/ Krishnapur	5000/7000/25 00/ 20001000/500 / 700	10/8/8/10/7/9/ 12 km
Torsha Kaljani Ghargharia		Balarampur-I	Arampur /Sorearpar /Char Soladanga / Totsarkuthi/ N.Chhechura / Chowkushi Balarampur	2000/650/140 0/ 2550/1500	11/15/11/08
Torsa Kaljani Ghargharia		Balarampur-II	Sorearpar / Shouldhukri / Daspara / Seoraguri/Taltala	1900/1450/16 00/ 950	15/10/10/10 km

TUFANGANJ-II DEVELOPMENT BLOCK					
Name of the River	Right Bank/ Left Bank	Name of G.P.	Name of the Flood Prone Area / Mouzas	Total no. of house hold likely to be affected	Distance from Block HQ / Sub Divisional HQ
Raidak-II & Sankosh		Rampur-I	Nazirhat Deutikhata/ Uttar Rampur/ Madhya Rampur/ Paschim Rampur/ Chhat Valka/ Naothowa	2645/910/567/ 457/2675/ 1500	35
Raidak-II		Rampur-II	Jaldhwa/Khagribari/ Madhurbhasa	4125/1386/813/	40

& Sankosh			Ghokso North Part/ Garbhanga/ Singimari (Part 7)/ Rampur (Part) Singimari/ Dakshin Rampur/ Dhorarkuthi	1365/1452/2200 / 2500/1907/1954 / 542	
Raidak-II & Sankosh		Falimari	Falimari/Takulya Colony/Barnikata/ Khunipara/Madhyachar/ Pora Colony/Chikantala/Bhubonerchar/ Pachani para/Chhat Falimari/ Purba Falimari	9376	52
Raidak-II & Sankosh		Mahishkuchi-I	Ghonapara/Gedarchar/Fersabari (Purba)/ Ghokso Part/ Jaldhawa Part Kathalguri/Mahishkuchi Part	500/2212/546/ 645/2020/2500/ 4453	12
Raidak-II & Sankosh		Mahishkuchi-II	Takoamari/Paglikuthi/ Jaldhawa Part/Rasikbeel/Bakla/ Atiamochar/ Taterkuthi	2130/765/657/ 2145/1654/546/ 654	15
Raidak-I & Taraganj		Barokodali-I	Haripur Part/Bhandijelash Part/ Langalgram/ Boalimohan 2 nd Part/ Jhingapuni/ Barokodali part/ Mechkoka	1654/1876/1235 / 376/1134/2236 376	15
Raidak-I & Taraganj		Barokodali-II	Debagram/ Mansai/ Dhanmatia/ Sourkhata Begarkhata/ Boalimohan/ Bhareya	1654/ 2534/1252/ 3123/1654/150/ 2143	25
Raidak-II & Gangadhar		Bhanukumari-I	Chhotolowkuthi/Chhit Borolowkuthi Bhanukumari char/ Bhanukumari Uttar O Purbo	2745/3354/3425 / 3575	35
Raidak-I		Bhanukumari-II	Balakuthi Part/Chhat Bhareya/ Nakarkhana part/ Dhaladabri Part/ Shilghagri/ Jhowkuthi/ Mantani	645/657/576/65 7/ 987/557/1234	10
Raidak-I		Salbari-I	1. Bansraja 1 st Part/ Bansraja 2 nd Part/ Paschim Salbari/ Salbari/ Chengtimari/ Dorko	3236/3000/567/ 1325/2500/567	15
Raidak-I & Taraganj		Salbari-II	Baro Salbari/ Birodhirpar/ Bajrapur/ Turkanirkuthi	3210/3198/912/ 987	

MATHABHANGA – I DEV. BLOCK					
Name of the River	Right Bank/ Left Bank	Name of G.P.	Name of the Flood Prone Area / Mouzas	Total no. of house hold likely to be affected	Distance from Block HQ / Sub Divisional HQ
Mathabhanga Municipality Mansai & Sutunga	L/B R/B	Municipality area	Ward No,3,5,7,9,10,11,12	1500	Half KM
Mansai & Sutunga Dharlla/ nenda	L/B, R/B Both L/B & R/B	Kedarhat G.P	Indrerkuthi/Rangapani Balashi/ Nityanandi / Magurmari / Kanchai Chawa5/Jore Shimuli /Giladanga	2000	Averse 8 KM from Block
Sutunga upanirpar	L/B R/B	Gopalpur G.P	Upanirpar / Bhogmari / .Chhat dhandhunia	340	Averse 10 KM from Block
Sutunga	R/B	Nayarhat G.P	Shimulguri / Debottar panigram /Chongerkhata / Putimari /uttar daibhangi / Chhot pakhihaga	1670	Averse 10-12 KM from Block

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Mansai	L/B	Hazrahath -I	Mahimerkuthi / Balashi / Uttar Daibfiangi / Chhot pakhihaga	1600	Averse 10-12 KM from Block
Sutunga	RB	Bairagirhat G.P	Duaisuai / Chenakata / Kuktikata /tetu(erchhara /satgachhi	600	Averse 10 KMfrom Block
Mansai & Sutunga	L/B R/B	Pachagarh G.I'	Chhat Khaterbari/ V.V. Manabari/ Baishguri/ Tekunia/ Pachagarh	1500	With in 8 KM from Block
Dharlla & Nenda	L/B R/B	Shikarpur G.P	Nalangibari/ B.G.Kuta / Gadagaler kuthi/ Boro Dula	1000	With in 10 km from lock
Dharlla & Nenda	L/B R/B	Kurshamari G.P.	Baro Khalishamari/ Mahishcharu/ Abash Ratanpur/Daluarper	1250	With in 10 km from Block
Dharlla & Mansai	L/B R/B	Jorepatki G.I'.	Shibpur/ Panaguri/ Nenderpar/ Chandamari/ Jorepatki/ Bochagari/ Bhurkuldanga	2500	With in 10-20Mfrom Block

MATHABHANGA-II DEV. BLOCK					
Name of the River	Right Bank/ Left Bank	Name of G.P.	Name of the Flood Prone Area / Mouzas	Total no. of house hold likely to be affected	Distance from Block HQ / Sub Divisional HQ
Mansai / Dudua/ Gilandi	L/B	Fulbari G.P	`Ksheti west/ Kishnanagar colony / Ksheti North/ Moranga Char	1300	With in 30 KMfrom Block
Dudua /Jaldhaka	L/B R/B	Fulbari G.P	Baroshoulmari/ Singijani/ Mukaldanga/ Dewan bosh .	1800	With in 30 KMfrom Block
Torsha & BuriTorsha	L/B R/B	Lotapota G.P	Lafabari/ Souderbosh/Putimari/	900	With in 10 KMfrom Block
Mansai	L/B	Ruidanga G.P	Rangamati/ rangimati Char	800	With in 10 KMfrom Block
Torsha	R/B	Llnishabisha G.P	Souderbosh/Putimari	750	Within 7 KMfrom Block

SITALKUCHI DEV. BLOCK					
Mansai	L/B R/B	Bhowarthana G.P .	Bhogdabri, Kurshamari, Bhowarthana, Gangadhar	750	18-17-16-15 KM from Block Head Quarter.
Mansai	L/B R/B	Chhoto Salbari G.P	Chhoto Salbari/ Barogodaikhara/ urshanmari Sarbeswarjayduar/ Dewankotjayduar/Rajaramjoyduar/Chhoto gadaikhora/ Shifipurchar/ chhoto salbari Char	1250	With in -17-15- 12-20-18-18-14- 25-24KM from Block Head Quarter.
Dharala	L/B	Khalishamari G.P	Jatamari, Mahishmuri, Chengerkuthi, Khalishamari, Uttar Jatamari, Chhoto Khalishamari	950	Within 15, 20, 13, 12, 16 KM. respectibly from Block HQ.
	L/B	Baro Kaimari G.P	Rangamati / Baro kaimari/ Dharllarpar/ Satimari	500	Within 15, 12, 10, 10 KM. respectibly from Block Head Quarter.

MEKHLIGANJ & HALDIBARI DEV. BLOCK

Name of the River	Right Bank/ Left Bank	Name of G.P.	Name of the Flood Prone Area / Mouzas	Total no. of house hold likely to be affected	Distance from Block HQ / Sub Divisional HQ
Jaldhaka Mekliganj Block	Right Bank	Uchalpukuri	168-Dhulia Baldiahati	100 Nos.	40 Km. from Block HQ
			174-Dhulia Baldiahati	120 Nos.	40. Km. from Block HQ
Jaldhaka Mekliganj Block	Right Bank	Ranirhat	Sarohati	150 Nos.	30 Km. from Block HQ
Teesta Haldibari Block	R/ B.	Per- Mekhliganj & Boxiganj	Water logging Area 1. Jharsingeswar 2. Daripattani 3.Boxi-Bibiganj 4.Basarajbaia	200 Nos.	15 k. m.
Teesta Mekliganj Municipality	Left Bank.	Mekliganj Municipality	Ward No.- 3, 7 (part), 8 & 9	3400 (approx)	Within 2 Km. from SHQ
Teesta Haldibari Municipality	Right Bank	Haldibari Municipality	Ward No-11, Ward No-1, Ward No- 2, Ward No-5, Ward NO-8	4000 Nos.	2 K.M.

DINHATA - I DEV. BLOCK

Name of the river	Right bank or Left bank	Name G.P.& ward	Name of the Flood Prone area mouzes	Total no. Of house hold likely to be affected	Distance from Block HQ Sub divisional HQ
Singimari	L/B	Barosoulmari	Singimari/ South Madnakura/ Kharija Batrigach/ Andaran Singimari/ Chhoto Soulmari/ Baro Soulmari	500	11 Km from Block HQ
Dharla	L/B		Atiabari west		
Singimari	L/B	Gosanimari - I	Fulbari/ Takimari/ Jambari Vitarkamta/ Chakiarpara I & II/ Khalisaguri	450	15 Km from Block HQ
Singimari		Gosanimari II	Kh. Gosanimari/ Kamtapur/ Baranatabari/ Chhotanaldhandra/ Binanai/ Kaliganj	475	17 Km from Block HQ
Singimari	L/B	Petla	Rajkhora	375	11 Km from Block HQ
Dharla	L/B		Kutialerbosh/ Chhat Barobangla/		

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			Jamadarerbosh/ Matakura/ Petla west		
Singimari	L/B	Okrabari	Dighaltari/ Balakandi/ Kawrai/ Panchadhaji/ Dukhobholarkutthi/ Dhmailgach/ Danga	600	15 Km. from Block HQ
Dharla	L/B	Baro Atiabari-I	Giladanga Atiabari/ Baro Atiabari/ Atharobaki	100	7 Km. from Block HQ
Dharla	L/B	Baro Atiabari-II	Baro Atiabari/ Boalmari/ Jhuripara	75	7 Km. from Block HQ
Baniadaha	L/B & R/B	Gitaldaha - I	Bhoram/ Konamukta/ Haridaskhamar/ Kh. Haridas	450	17 Km from Block HQ
Singimari	L/B	Gitaldaha- II	Daribosh-I/ Bharbanda/ Jaridharla/ Daribosh colony/ Bhoram Payesti/ Kh. Giladanga	1200	19 Km from Block HQ
Dharla	L/B	Matalhat	Baravita – I & II/ Samsing/ Baishguri	175	9 Km. from Block HQ
Dharla	L/B	Bhetaguri - I	Ruerkuthi/ Kharija Baladanga	100	10 Km from Block HQ
Dharla	L/B	Bhetaguri - II	Singijni/ Baladanga/ Sakdal/ Barodanga	150	12 Km from Block HQ
Baniadaha	L/B	Dinhata Vill.- II	Nigamnagar/ Satkura/ Nagarbhagni/ Kr. Rakhalmari/ Bhagni	300	13 Km from Block HQ
Baniadaha	L/B	Putimari - I	Koalidaha/ Jarabari	200	6 Km. from Block HQ
Dharla	L/B	Putimari – II	Baronachina W & S	250	5 Km. from Block HQ
		Dinhata Vill.-I	Dinhatagram	175	4 Km. from Block HQ

DINHATA-II DEV. BLOCK					
Name of the river	Right bank/Left Bank	Name of the G.P	Name of the flood prone area /mouzas	Total No. Of house hold likely to be affected	Distance from Block H.Q
Kaljani	Right Bank	Nazirhat-II	Chhat Notafela,Notafela,Azimpara(near Azimpara BOP), Baragaroljhara, Manseb Scoraguri,Dighaltari, Salmara	1290	25 KM
Baniadaha	Left Bank	Barasakdal	Langulia-II, Kuchni	160	8 Km.
Baniadaha	Left & Right Bank	G/Nayarhat	Rasamanta,Kisamat mokrari,Kharija Baniadaha, Tutiarkuthi	265	20 Km
Baniadaha	Right & Left Bank	Kismat Dasgram	Tiadaha-I,Tiadha-II, Dasgram Gobrachara,Baniadaha	168	15 Km.

SITAI DEV. BLOCK					
Name of River	Right Bank/ Left Bank	Name of the G.P.	Name of the Flood Prone area	No. of Household likely to be affected	Distance from the Headquarter
Singimari	R.B & L.B	Adabari	Kajlikura./ Natabari./ Takimari/ Kismat Adabari.	1500 Approx	14 K.Ms
Singimari	R.B & L.B	Br. Chatra	Sagardighi/ Natunbosh/ Singimari/ Baro Bangla Andaran Singimari/ Gabua/Nechamuddin Kuti	800 Approx	12 K.Ms.

Giridhari	R.B & L.B	Chamta	Nagar Giridhari	150 Approx	15 K.Ms.
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LIST OF VULNERABLE AREAS IN COOCHBEHAR DISTRICT

Sl. No.	Name of Block	Name of GP	Name of village	River by which effected	Effected Population	No. of relief camp
1	Pundibari	Patlakhawa	Putimari Boxibosh	Torsa	300	1
			Chhat Singimari	do	200	1
		Madhupur	Kalpani	do	500	1
			Ichhamari/ Chapaguri	do	700	1
			Kamrangaguri	do	400	-
			Salmara	do	100	-
			Baldihati	do	300	1
			Hukakura	do	174	1
			SP Kathalbari	do	200	1
		Pundibari	S.P. Ghoramara	do	337	1
			Basdahanatibari	do	500	1
		Takagach	Takagach part	do	901	1
			Karishal	do	700	1
			Damudarpur	do	300	-
			Multiguri/ Ghiyerhari	do	600	-
			Jatrapur part	do	500	1
			Kaminirghat part	do	700	1
		Khapaidanga	Khapaidanga part	do	500	1
			Kaljani part	do	200	-
			Ghargharia	do	500	1
		Marichbari	Kholta part	Kaljani	500	1
		Baneswar	Siddheswari part	do	700	1
		Khagrabari	Khagrabari part	Mara Torsa	300	1
2	Bamanhat	Nazirhat-I	Sewraguri	Kaljani	1500	1
			Kumarganj	do	2000	-
		Nazirhat-II	Notafela, Salmara	do	5000	1
			Chhotagaroljhora	do	2800	1
			Dighaltari	do	2500	1
		Kisamatdasgram	Teadaha	Baniadaha	5000	1
			Kisamatdasgram	do	1300	1
		Barasakdal	Barasakdal	do	5000	1
			Rakhalmari	do	4000	-
			Langulia-I	do	2500	-
	Bamanhat	Bamanhat-II	Kalmati	Waterlogging	4000	1
			Badalgir	do	2000	-
			Atialdanga	do	2000	-
		Gobrachhara Nayerhat	Bhabani prasad	do	2000	1
			Khamarbakshi	do	1000	-
			Kharijadasgram	do	1000	-
			Dasgram gobrachhara	do	3000	-
			Tutiarkuthi	do	1500	-
			Bara atiabari	do	1500	-
			Rasamanta	do	200	-
3	Sitalkuchi	Chhota Salbari	Chhota Salbarichar	Mansai	200	1
			Barogadaikhora	do	100	-
			kurshamari	do	200	-
			Sarbeswar Joyduar	do	100	-

			Dewankot Joyduar	do	100	-
			Rajaram Joyduar	do	50	-
			Chhotogadaikhora	do	100	-
			Shibpur	do	200	-
			Chhotosalbarichar	do	200	-
		Bhawerthana	Bhogdabri	do	200	1
			Kurshamari	do	150	-
			Mahishmuri	do	200	-
			Bhawairthana	do	300	
			Gangdhar	do	100	
		Khalishamari	CK Khalishamari	do	650	1
			Morbhanga	do	325	-
			Rangamati	do	200	1
			Dallarpar	do	100	-
			Rajaram Jouduar	do	225	-
			Sarbeswar Joyduar	do	150	-
			Jatamari Harimandir	do	150	-
			Mahismuri	do	200	-
			Chengerkuthi khalishamari	do	100	-
			Uttar jatamri	do	200	
			Chhotokhalishamari	do	200	
			Gitaldahamaricha	do	150	-
		Lalbazar	Mahakalerdham(sitalkuchi)	do	200	-
		Gossairhat	Chhotopinjarirjhar	do	150	
			Bhowerthana	do	1400	1
		Bhowerthana	Kurshamari-II	do	1500	-
			Gangdhar	do	1600	1
			Khendi	do	600	-
			Awalipura	do	500	-
			Choto Bangdaki	do	500	-
			Abuer Pather	do	525	-
			Gitaldaha Maricha	do	575	1
			Putiabaramasia	do	550	-
			Golenowhati East	do	250	1
	Sitalkuchi	Golenowhati	Dakshin Golenowhati	do	100	-
			Jaygirnnowhati	do	200	-
			Gachtala	do	100	-
			Kashar Para	do	800	-
			Mira Para	do	500	-
			Golenowhati West	do	500	1
			Purba sitalkuchi	do	150	-
		Sitalkuchi	Madhya Sitalkuchi	do	100	
			Rajarbari	do	100	1
			Nagarsingimari	do	350	-
			Baragharia	do	700	-
			Rangamati	do	200	-
			Barokoimari	do	100	-
			Satimari	do	100	-
		Barokoimari	Baishguri	do	2350	-
			Dhallarpar	do	100	-
			N Mathabhanga	do	200	-
			Chhat Khaterbari	do	2360	1
			Baishguri West	do	1570	1
4	Mathabhanga-I	Kaderhat GP	Inderkuthi	Mansai	150	
			Rangapani		72	
			Nityanandi		300	
			Magurmari		9	

			Kanchakawa		300	
			Joreshimuli		800	
			Keshribari		400	
			Giladanga		Eroded	
		Gopalpur GP	Upairpar	Sutunga	100	
			Bhogramguri		200	
			Chhat dhandhunia		40	
		Nayerhat GP	Shimulguri	Sutunga	40	
			Debattar panigram		200	
			Chongarkhata		500	
			Putimari		150	
			Genduguri(part)		100	
		Hazrahat-I GP	Daibhangi	Mansai	300	
			Mahimerkuthi		200	
			Balashi		500	
			Uttar Daibhangi		170	
			Chhat Pakhihaga		500	
		Hazrahat-II GP	Khaterbari (East)	Mansai	400	
			Khaterbari(West)		400	
			Bhangamore		900	
		Kurshamari GP	Barokhalishamari	Dharla	400	
			Mahishcharu		400	
			Abashratanpur		200	
			Daluarpar		300	
		Bairagirghat GP	Duaisuai	Chenekata	115	
			Chenekata		105	-
			kuktikata		125	-
			Tetulerchhara		110	
			Satgachhi		100	
		Pachagarh GP	Chhat Khaterbari	Mansai	300	
			V.VG Manabari		300	
			Baishguri		300	
			Tekunia		150	
			Pachagarh		400	
			Barokawardera		200	
		Shikarpur GP	Nalangibari	Dharlla	300	
			B.G. Kuta		300	
			Gadelerkuthi		300	-
		Jorepatki	Barodola		100	
			Shibpur	Mansai & Dharlla	300	
			Panaguri			
			Nendarpar			
			Chandamari			
			Jorepatki			
			Chhat Jorepatki			
			Bochagari			
			Kharija Kawardera			
			Kodalldhowa(MTB-II)			
			Chakichhara(MTB-II)			

5	Tufanganj-II	Rampur-I	Nazirhat Deutikhata		2645	
			Chhat Valka	Raidak-II & Sankosh	2675	
			Naothowa		1500	
		Rampur-II	Jaldhowa	Raidak-II & Sankosh	4125	
			Khagribari		1386	
			Madhurbhasa		813	
			Ghokso Nath Part		1365	
			Garbhanga		1452	
			Singimari(Part-7)		2200	
			Rampur(Part)		2500	
		Falimari	Falimari	Raidak-II & Sankosh		
			Takulya Colony			
			Barnikata			
			Khunipara			
			Madhyachar			
			Pora colony			
			Chikantala			
			Bhubonerchar			
			Pachanipara			
			Chhat Falimari			
			Purba Falimari			
		Mahishkuchi-I	Ghonapara	Raidak-II & Sankosh	500	
			Gederchar		2212	
			Fersabari(Purba)		546	
			Ghokso part		645	
			Jaldhowa part		2020	
			Kathalguri		2500	
					2130	
		Mahishkuchi-II	Takoamari	Raidak-II & Sankosh	765	
			Paglirkuthi		657	
			Jaldhowa part			
		Barokodali-I	Haripur part	Raidak-I & Taraganj	1654	
			Bandijelash part		1876	
			Langolgram		1235	
			Boalimohan 2 nd part		376	
		Barokodali-II	Debagram	Raidak-I & Taraganj	1654	
			Mansai		2534	
			Dhanmati		1252	
			Sourkhata		3123	
			Begarkhata		1654	
		Bhanukumari-I	Chhotolowkuthi	Raidak-II & Gangadhar	2745	
			Chhit Borolowkuthi		3354	
			Bhanukumari Char		3425	
		Bhanukumari-II	Balakuthi	Raidak-I	645	
			Chhat Bhareya		657	
			Nakarkhana Part		576	
			Dhaldabri part		657	
			Shilghagri		987	
			Jhowkuthi		557	
			Mantani		1234	
		Salbari-I	Bansraja 1st part	Raidak-I	3236	
			Bansraja 2nd part		300	

	Tufanganj-I	Salbari-II	Paschim Salbari		567	
			Boro Salbari	Raidak-I & Taraganj	3210	
			Birodhirpar		3198	
			Bajrapur		912	
			Turkanir kuthi		987	
		Dhalpal-I	Dhalpal	Raidak-I	80	
			Bhirkush-II		1000	-
			Chikliguri-II		800	-
			Chikliguri-II		750	
		Natabari-I	Chhat B. Chowki	Kaljani Gadadhar	1000	
			Deb. Charal Jani		1150	
			Nata. No. 1 Ward		930	
		Nakkatigachh	Nakkatigachh	Raidak & Gadadhar	1000	
			Shikarpur		700	
			Dhadi		1100	
			Rajarkuthi		1100	
			Chamta		1500	
		Maruganj	Amlaguri	Kaljani Torsha Ghargharia	860	-
			Moradanga		1125	
		Dhalpal-II	Chhatrampur-II	Gadadhar Raidak-I	1040	
			Chhat Genduguri		175	
			Chhat-Jaigir Chilakhana		630	
		Balabhut	Madhya Balabhut	Raidak-I Gadadhar Kaljani Torsha Ghargharia	2050	
			Uttar Balabhut		4100	
			Jhaokuthi		3950	
			Char Gopalerkuthi		575	
6	Tufanganj-I	Chilakhana-I	Chhat Bhelakopa	Kaljani Godadhar	50	
			Chilakhana(West)		300	
			Amlaguri		200	
			Kutibari		400	
			Moyamari		300	
			Jaigir Chilakhana		900	
			Bashtala		100	
			Bilsi		100	
			Singimari Doba			
		A.Fulbari-I	Itvata Kolony	Raidak-I	1975	
			A.Fulbari (W)		425	
		A.Fulbari-II	A. F (Part)	Raidak-I	2450	
			Bilsi-I		1100	-
		Chilakhana-II	Ghogarkuthi (N)	Gadadhar	1025	1
			Ghogarkuthi (S)		2750	-
		Deocharai	Changmari (K/R)	Kaljani Gadadhar	1000	
			Balaghat (G/R)		1500	
			Chowkushi Balarampur (K/R)		5000	
			Santoshpur(K plus G)		2500	
			Jhaljhali (K plusG/R)		2000	
			Deocharai		7000	
			Krishnapur		2000	
			Nepalerkhata		1000	
		Balarampur-I	Soladanga	Torsha Kaljani Ghargharia	1900	-
			Sorecarpar		1300	
			Chekadara		1200	
			Balarampur (n-W)		1000	
		Balarampur-II	Balarampur	Torsha Kaljani Ghargharia		
			Sorecarpar (Entire)		550	

7	Dewanhat	Dawaguri	Panisala	do	1500	1
			B. Katnatipara	do	100	-
			Ghugumari	do	600	1
			Kalabarighat	do	300	-
		Panisala	veladanga	do	60	-
			Dewanboss	do	400	1
		Ghugumari	C. Atharakotha	do	810	-
			B. Atharakotha	do	1050	1
			Bairati	do	150	-
		Falimari	Bhairthana	do	50	1
		Moamari	Salbari	do	200	-
			Deourhat	do	205	-
		Chandamari	Konamukta Ratinandan	Dharala	1628	1
			Daribosh	do	1879	1
8	Gosanimari	Putimari Fuleswari	Bhorum Poyesti	do	2663	1
			Bherbhanda	do	509	1
		Gitaldaha-I	Jari Dharllah	do	5000	1
			Kuthialer Bosh	do	2581	1
		Gitaldaha-II	Singimari	do	3502	1
			Rajakhora	do	935	1
			Matiakora	do	24	-
		Petla	Chhat Barobangla	do	297	1
			Takimari	Dharala	1240	1
			Singimari	do	900	-
			Natun Bosh	do	800	1
			Kh. Gosanimari	do	5735	1
			Kantapur	do	977	1
		Gosanimari-I	U. Singimari	do	533	-
			Natabari	do	1200	1
			S. Modnakura	do	2237	1
		Gosanimari-II	Kh. Bhatrigach	do	2250	1
			Singimari	do	910	1
			Andaram Singimari	do	5000	1
	Gosanimari	Bara Soulmari	Kajlikura	SINGIMARI	947	1
			Takimari	SINGIMARI	261	
			Chhat Baromasia	SINGIMARI	770	1
			Sovana baromasia	SINGIMARI	719	
9	Mathabhanga-I	Kaderhat	Inderkuthi	Mansai	150	
			Rangapani Balasi		72	
			Nityanandi		300	
			Magurmari		9	
			Kanchakawa		300	
			Joreshimuli		800	
			Keshribari		400	
			Giladanga		Eroded	
		Gopalpur	Upanirpar	Sutanga	100	
			Bhogramguri		200	
			Chhat Dhandhunia		40	
		Nayerhat	Shimulguri	Sutunga	40	
			Debattar Panigram		200	
			Chongarkhata		500	
			Putimari		450	
			Genduguri (part)		400	
		Hazrahat-I	Daibhangi	Mansai	300	
			Mahimerkuthi		200	

			Balashi		500	
			Uttar Daibhangi		470	
			Chhat Pakhihaga		500	
		Hazrahat-II	Khaterbari(East)	Mansai	400	
			Khaterbari (West)		400	
			Bhangamire		900	
		Bairagirhat	Duaisuai	Chenekata	115	
			Chenekata		105	
			Tetulerchhara		110	
			Kuktikata		125	
			Satgachi		100	
		Pachagarh	Chhatkhaterbari	Mansai	300	
			V.VG Manabari		300	
			Baishguri		300	
			Tekunia		150	
			Pachagarh		400	
			Barokawardaga		200	
		Sikarpur	Nalangibari	Dharlla & Nenda	300	
			B.G Kuta		300	
			Gadelerkuthi		300	
			Barodola		100	
		Kurshamari	Barakhalishamari	Dharlla & Nenda	400	
			Mahischaru		400	
			Abashratanpur		400	
			Daluarpar		300	
		Jorepatki	Shibpur	Mansai & Dharlla	300	
			Panaguri		400	
			Nendarpar		400	
			Chandamari			
			Jorepatki			
			Bhurkuldanaga			
			Kharija Kawardera			
			Kodalhdhawa (MTB-II)			
			Chakichhara (MTB-II)			
10	Sitai	Adabari	Kajlikura	SINGIMARI	947	1
			Takimari		261	1
			Kismat Adabari			
		Br. Chatra	Nechamuddin Kuti		500	1
			Chhat Singimari		350	1
			Sagardighi		889	1
			Barobangla		350	1
			Singimari 537 & 538		3500	1
			Natunbash		1630	1
			Gabuya		1600	
			Sonarhat		400	
			Barthar		3015	1
			Athorajani		1742	1
			Panikhawa		1863	
			Padamari		510	

11	Mathabhanga-II	Fulbari A	Ruidanga	do	1580	1
		Fulbari B	Latapata	do	1230	1
			Putimari	do	763	1
		Barasoulmari	Ghoksadanga	do	1526	1
		Ruidanga	Bhelakopa	do	1250	-
		Latapata	Simulguri	do	935	-
		Putimari	Salmara	do	1300	1

		Ghoksadanga	Manabari	do	2100	1
			Baraibari	do	1850	-
			Bhajanerchhara	do	2430	1
	Mathabhanga-II	Premerdanga	Kodaldaha	do	832	-
			Kodaldaha	do	4860	1
		A.K. Paradubi	K.Kankanguri	do	1020	-
			Nishiganj-I	Unishbisha	Torsa	2050
		Patakamari		do	1250	-
		Nishiganj-II	Dharimara	do	940	-
			Chatbhalka	Sankosh	860	1
		Unishbisha	Rampur	do	570	-
			Naziran Deotikhata	do	1800	1
			Naothoa	do	540	-
12	Baxirhat	Rampur-I	Uttar Rampur	do	1150	1
			Jaldhawa	Sankosh	950	1
			Singimari	do	530	-
			Khagribari	do	250	-
			Madhurabasa	do	340	1
		Rampur-II	Ghokso	do	850	1
			Garbhanga	do	760	-
						Falimari
Mahishkuchi	Raidak	150				-
Jaldhawa	do	640				1
Phersabari	do	530				-
Falimari	Gederchara	do			520	-
	Mahishkuchi-I	Gonapara			do	350
Atiamochar		do			270	-
Paglikuthi		do			840	1
Takuamari		do			520	-
Bakla		do			740	1
Mahishkuchi-II	Rashikbil	do			520	-
	Taterkuthi	do			1000	1
	Bhanukumari	Gangadhar			400	-
	Chhotolaokuthi	do			700	1
	SeedBarolaokuthi	do			350	-
	Bhanukumari Char	do			930	1
Bhanukumari-I	Bhanukumari	do			1700	1
	Dhaldabari	do			870	-
	Nakarkhana	do			800	1
	Chhatbalakuthi	do			600	-

	Baxirhat	Bhanukumari-II	Jaokuthi	do	550	-
			Silghagari	do	320	-
			Barokodali	Raidak	680	1
			Langalgram	do	580	-
			Haripur	do	860	-
			Jhingamari	do	700	1
		Barokodali-I	Boalimohan	do	600	-
			Machpoka	do	750	-
			Bhandigelas	do	1890	1
			Debagram	do	640	-
			Mansai	do	1250	1
			Bharea	do	890	1
			Dhanmatia	do	950	-
		Barokodali-II	Begarkhata	do	750	-
			Sahukhata	do	630	-
			Boalimohan P -I	do	1100	-

			Shalbari	Kaljani		1
			Dorko	do	1200	-
			Chengtimari	do	2100	1
			Bashraja I/II	do	840	-
		Shalbari-I	Shalbari	do	750	1
			Chengmari	do	530	-
			Baro Shalbari	do	870	1
			Bajrapur	do	1800	1
		Shalbari-II	Turkanirkuchi	do	150	-
			Niztaraf	Tista	1400	1
			Naribahs	do	200	-
			Andaran Kuchlibari	do	450	1
			Tistapayasti	do	200	-
13	Mekhliganj	Niztaraf zone	Dhulia	do	70	1
			Chatbhalka	do	340	-
		Kuchlibari Zone	Panisala	do	800	1
			Jamaldaha	do	1100	1
		Uchalpukuri zone	Boknabandha	do	180	1
		Changrabhandha zone	Saraihati	do	70	-
			Niztaraf	Tista	501	1
		Jamaldaha	Permekliganj	do	269	-
14	Haldibari	Ranirhat	Harishnagaeswar	do	250	1
			Daripattam	do	215	-
		Permekliganj	Nagarsahebganj	do	2070	1
			Hutumdanga	do	3099	1
			Jangalbash	do	1649	-
			Samilabash	do	673	1
			Jhakuapara	do	833	1
		Dewanganj	Kalaibachipara	do	423	-
			Haripara	do	137	-
		Hemkumari	Uttar Santinagar	do	659	1
		Uttarbaro Haldibari	Barorajbala	do	200	-
			Baxiganj(East)	do	328	1
			Bibiganj	do	90	-
			Nistaraf	do	92	-
		Baxiganj	Kisamot Fatemameed	do	117	1

2.5 EVACUATION PLAN

COOCH BEHAR-I DEVELOPMENT BLOCK

Sl No.	Name Of Gp	Name Of Low Land	Route Chart For Reaching Temporary Rescue Shelters	Name Of Rescue Shelter	Capacity Of Rescue Shelter (In Family)
1	Guriahati - I	Lankabar	Polkhana Road App. 1km.	1) Lankabar Pry. School	70
				2) Pilkhana Bazar	200
		Chit Kharimala	Chitkharimala To Rail Gumti Pacca Road App. 500m.	Chit Kharimala Pry School	70

			N.H.31 App. 500 M.	Ramkrishna Boys School	100
		Bharat Colony & Natunpara	N. H. 31 App. 200 M.	Ramkrishna Pry. School	60
			Polkhana Road 400 M.	Pilkhana Bazaar	70
		Pilkhana	Pilkhana Road 500 M.	Pilkhana G.S.F. Pry School	100
2	Chandamari	Bairati	Jaibanglarhat To Chandamari B. M. R. 700 M.	Bairati A. P. School	60
				Jaibanglarhat	100
		Jagarjhuli	Jagarjhuli To Rajpur Sarkarer Ghat B.M.R. 500 M.	Jagarjhuli A. P.	100
		Kathalbari	Maghpala To Jaibanglarhat B. M. R. 800 M.	Kathalbari A. P.	55
			Maghpala To Prannath H.S. App. 2 Km.	Prannath H. S.	120
		Chat Chedarjhar	Jaibanglarhat To Chandamari B. M. R. 200 M.	Chat Chedarjhar A.P.	150
3	Moamari	Choto Atharokota	Baro Atharokota To Choto Atharokota B.M.R. 500 M.	Choto Atharokota A.P.	62
			Crossing The Rever App. 500 M	Moamari Flood Shelter	200
		Baroatharokota	P. M. G. Road App. 500 M.	P. M. G. Road	100
				Baroatharokota Basic School	150
		Baro Vita	Dumukha Bazar To Bara Vita School Bmr 1.5 Km	Baro Vita S.C. Pry School	80
		Gaddar Par	Dumukha Bazar To Bara Vita School Bmr 1.5 Km	Gaddar Par Pry. School	70
4	Chilkirhat	Haldimohan	Kacha Road 500 M.	Haldimohan Ap School	50
		Shilkhuribosh	Shilkhuri Bosh To Primary School Bmr 700 M.	Shilkhuri Bosh To Primary School & Awc	100
5	Falimari	Maghpala	Magpala Bazaar To Pat Bhata Bmr, 1 Km.	Pat Bhata H.S.	200
		Dewanbosh	Nishigang To Dewanbosh Pacca Road 700m.	Dewanbosh S.C. Pry School Cum F.S.	250
6	Putimari Fuleswari	Shibpur Char	Local Road	Manshi Ar Char Pry School	120
			Barabari Chowpathi Via Pmg Road To School 800 M.	Rakhal Mari Pry. School	100
				Bashbari Pry School	80
		Kharija	Naldhonadra To Shimultala Bmr 200 M.	Shimul Tala Ssk	100

DISTRICT DISASTER MANAGEMNT PLAN-2020, DISTRICT-COOCH BEAHR

		Naldhondra	Bamnidanga Via Sutibari 1 Km.	Sutibari Madrasha	120
7	Guriahati - Ii	Gudammaharani Ganj	Gudam Maharani Ganf To Harinchowra Bmr 200 M.	Gudam Maharani Ganj Pry School	70
			Dinhata High Road 500 M.	Baninikatan Girls H.S.	120
8	Ghughumari	Ghughumari Char	Kachha Road 200 M.	Char Ghughumari Pry School	20
			Ghughumari Char To Tapurhat Kacha Road 500 M	Tapurhat	120
		Purba Ghughumari	Ghughumari To Mathabhanga Pacca Road 500 M.	West Ghughumari Jr. School Cum F.S.	250
9	Panisala	Panisala Char	Panisala Balarampur Bmr 500 M.	Panisala F.S.	50
			Panisala To Jiranpur Bmr. 1.5 Km	Panisala H.S.	100
		Kalighat Ghoramara	Kalighat Ghoramara To 4 No Bmr 2.5 Km	Kalighat Ghoramara Pry School	55
		Bhojanpur Katnatipara	Bhojanpur To 4 No Bmr 500 M.	Awc	30

DINHATA-II DEVELOPMENT BLOCK

SL No.	Name of G.P.	Route chart from Din-II Dev. Block	Name of Flood Rescue Shelters	Number of person to be accommodated 2 Sqft. For one person
1	Nazirhat-II	From Dinhata-II B.D.O office to Dinhata Chowpathi turn right follow Balarampur pucca road up to Salmara Bazar find Salmara Flood Shelter	Shalmara Flood Shelter.	60
		From Dinhata-II B.D.O office to		
		Dinhata Chowpathi turn right		
		follow Balarampur pucca road up to Salmara Bazar turn left follow graveled road up to 3 KM proceed		

		find Notafela 4 th plan	Notafela Flood Shelter	60
		Pry. School cum-Notafela Flood Shelter		
		From Dinhata-II B.D.O office to Dinhata Chowpathi turn right follow Balarampur pucca road up to Notafela Chowpathi turn left follow Kachcha road upto 1 KM find Mansab Seoraguri Pry. School cum flood shelter	Mansab seoraguri Pry. School. cumFlood Shelter	60

COOCH BEHAR –II DEVELOPMENT BLOCK

Sl No.	Name of the Panchayat	Name of temporary Rescue Center	Location of the same	Maximum accomodation capacity of the temporary shelter
1	Patlakhawa	Chat Singimari Spl. Cader pry. School Cadre pry. School	Chat Singimari	200
2		kashiabari bazar, Mathabhanga	Putimari	200
3		Singimari Pachunirpar C.S-2 pry. Scool	Singimari pachunirpar	300
4	Madhupur	Kaljani Rajmohan pry.School & kalpani Rajmohan high school	Kalpani	800
5				
6		Embankment	Hokakura	500
7		Embankment	Boldihati	500
8		Alopukri 5th plan pry. School	Salmara	300
9		Embankment	Kamrangaguri	500
10		Embankment & Haripur bazar	Kawalipara	500
11		Natyarhat bazar & Kathalbari pry.school	Kathalbari	300

12		Haripur bazar	Haripur	200
13		Aratguri pry. School & nayarhat bazar	Aratguri	400
14	T/Rajarhat	Rajarhat High School & Deshbandhu pry. School	Maltiguri	800
15		karishal 5th plan pry. School & embankment	Damodarpur	400
16		karishal 5th plan pry. School & embankment	karishal	

17	Ambari	Dharayerhat bazar & Ambari 5th plan spl. Cadre pry. School	Dharayerhat	400
18	Pundibari	Sajerpar Ghoramara 5th plan pry. School	Sajerpar Ghoramara	300
19		Indranath Rajendra pry. School	Bashdaha natibari	300
20		Sajerpar Ghoramara 5th plan pry. School	Kalarayer kuthi	
21	Khapaidanga	Kaljani R.R. Pry. School & Arjya colony pry. School	Kurarpur	300
22		Soultukli pry. School	Soultukli	300
23		Chowdanga A.P. School	Chowdanga	300
24		Chowdanga A.P. School	Ghargharia	
25	M/Kholta	Marichbari No. 3 pry. School	Marichbari	300
26	Baneswar	Barokhata pry. School	Barokhata	200
27		Boragari pry. School	Boragari	200
28		Kutipara Pry. School & Baneswar girls High school	Kutipara	300
29		Kaljani pry. School & Beltala pry. School	Kaljani	400
30		Ichhamari pry. School	Ichhamari	200
31		Siddeswari pry. School & Kokiladevi high School	Siddeswari	500

TUFANGANJ-I DEV. BLOCK.

Sl. No.	Name of G.P.	Route Chart for reaching at Flood Shelter	Name of the Flood Shelter cum- Rescue Centre	Accommodation /Capacity
1.	Natabari-I	Vehicle will start from Tufanganj H.Q. to Tufanganj Main Road towards Tufanganj College upto Andaran Fulbari Harirdham High School Chowpathi and Turn Left towards Natabari Bus Stand and proceed towards Baneswar Natabari PWD Gravel Road upto 3 Km and take left turn near the house of Jatindra Nath Das through Kuchcha Rd. upto 1 Km. and proceed.	Bhuchungmari Flood shelter	300
2.	Natabari-I	Vehicle will start from Tufanganj H.Q. to Tufanganj Main Rd. towards Tufanganj College upto Andaran Fulbari Harirdham High School Chowpathi and turn left towards Natabari Bus stand and follow Alipurduar PWD Rd. upto Natabari Hospital Boundary and towards Malikhola Pucca Rd. about 1 Km. and right turn proceed about 2 Km.	Bosepara Kutibari Pry.School cum Flood Shelter	225
3.	Natabari-I	Vehicle will start from Tufanganj H.Q. to Tufanganj Main Rd. towards Tufanganj College upto Andaran Fulbari Harirdham High School Chowpathi and turn left towards Natabari Kadamtala Bazar More then turn right towards gravel Rd. about 5 Km. crossing Amtala Bazar and turn left towards 1 Km. and proceed.	Dhorguri G.P.School cum Flood Shelter	225
4.	Natabari-II	Vehicle will start from Tufanganj H.Q. to Tufanganj Main Rd. towards Tufanganj College upto Andaran Fulbari Harirdham High School Chowpathi and turn left towards Natabari Bazar and proceed towards Natabari-I Gram Panchayat and towards upto 1 K.m. and proceed.	Swamiji Smriti Pry.School cum Flood Shelter	350
5.	Natabari-II	Vehicle will start from Tufanganj H.Q. to Maruganj & right turn towards Alodhowa Main Rd. about 3 Km. upto Alodhowa Market & turn right Proceed upto Bhelapeta No.2 4 th Plan Pry. School and found .	Bhelapeta Flood Shelter (Near Bhelapeta No.2 4 th Plan Pry. School)	210
6.	Chilakhana-I	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Deocharai More and after crossing the Deocharai More take the first right turn into the gravel Rd. and proceed upto 1.5 Km and find Jaigir Chilakhana A.P.School Flood Shelter.	Jaigirchilakhana Flood Shelter	300

7.	Chilakhana-I	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Chilakhana Bazar Chowpathi then right turn at Haribari towards Dhan and Bansh Bazar (Old Police Fari) and turn left towards west gravel Rd. upto 1.5 Km. and proceed.	Paschim Kutibari 5 th Plan pry.School cum Flood Shelter	220
8.	Chilakhana-II	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Chilakhana –II Gram Panchayat and turn right towards Pucca Rd. upto 5 Km. and turn left and proceed.	Nowkhuli Katibar Pry. School cum Flood Shelter	225
9.	Maruganj	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Bhelakopa Bus Stop and turn right towards North via Kaljani river Bundh cum Rd.2 Km. and proceed.	Chhatowa A.P. School cum Flood Shelter	205
10.	Maruganj	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right towards NH31 upto Maruganj Hospital about 12 K.M and turn left towards PMGY Pucca Road upto 3.5 K.M via Hatkhola before River Torsha Bundh and proceed.	Bhelokopa No.2 Govt.Pry.School cum Flood Shelter	400
11.	Maruganj	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Maruganj High School and proceed left side.	Maruganj J.B.School cum Flood Shelter , Maradanga	200
12.	Nakkatigachh	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Chamta More and take left turn towards Pucca Rd. upto Nakkatigachh High School East about 11Km. and proceed left side(Nakkatigachh Jr.Basic School Flood Shelter).	Nakkatigachh Jr.Basic School cum flood Shelter, (Dhadiyal)	320
13.	Nakkatigachh	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana	Debagram No.1	200

		Chowpathi and turn right N.H.31 towards west upto Chamta More and take left turn towards Balabhut Pucca Rd. upto Dwiparpar Bazar and turn left towards Guneswaridham Pry.School Rd. and crossing towards 4 Km.to the same route Debagram – Harihat More and turn right towards 1 Km. and proceed.	A.P.School cum Flood Shelter	
14.	Nakkatigachh	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west 1 Km. upto Chamta Chowpathi Karjee Para more turn right towards 1500 mtrs and proceed.	Chamta No.1 A.P.School cum Flood Shelter	210
15..	Deocharai	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west 500 mtrs ahead Balarampur Chowpathi towards Balaghat upto Deocharai Bazar and towards Deocharai Gram Panchayat and proceed.	Deocharai J.B.School cum Flood Shelter	325
16.	Deocharai	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Cooch Behar Rail Ghumti and turn left upto Dewanhat Chowpathi and turn left towards Balarampur Bazar and Northern upto 3Km. and proceed.	Chowkushi Balarampur Flood Shelter	300
17.	Deocharai	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Chilakhana Bazar Chowpathi then take left turn towards Karjee para Pry.School Pucca Rd. upto 2.5 Km.and turn right towards Kaljani Bundh about 1 Km. and proceed.	Baxirkuthi Bapuji 4 th Plan Pry.School cum Flood Shelter	200
18.	Deocharai	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Chilakhana Bazar Chowpathi then take left turn towards Kaljani A.P.School about 4.5 Km. and proceed.	Kaliganj A.P.School cum Flood Shelter	230
19.	Deocharai	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Chilakhana Bazar Chowpathi then take left turn towards Karjee para Pry.School and followed.	Uttar Deocharai Karjee Para 5th Plan Pry.School cum Flood Shelter	225
20	Balabhut	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards east upto Langal gram Tepathi and turn right towards Gopalerkuthi, Assam Border Pucca Rd.upto Balabhut Bazar Chowpathi and turn left again towards Char Jhaoukuthi gravel Rd. via Ranpagli, Assam about 5Km from Ranpagli and proceed	Char Jhaou kuthi 5th Plan Pry.School	200
21	Balabhut	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Chamta More and take left turn towards Balabhut Pucca Rd. upto Kadamtala and turn left towards pucca Rd. near Md. Abdul Rejjak Ali's House and proceed.	Rajarkuthi Flood Shelter near Rajar Kuthi A.P.School	250

22	Balabhut	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards east upto Langalgram Tepathi and turn right towards Gopalerkuthi, Assam Border Pucca Rd. upto Balabhut Gram Panchayat and proceed at Balabhut Flood Shelter.	Balabhut Flood Shelter	315
23	Balabhut	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards east upto Langal gram Tepathi and turn right towards Gopalerkuthi, Assam Border Pucca Rd.upto Dakshin Balabhut 4th Plan Pry. School and followed.	Dakshin Balabhut 4th Plan Pry. School cum Flood Shelter	225
24	Balabhut	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards east upto Langal gram Tepathi and turn right towards Gopalerkuthi, Assam Border Pucca Rd.upto Balabhut Bazar Chowpathi & turn left beside G.P. Office upto Ferry Ghat . Crossed river and proceed about 3 K.M.south side of Char Balabhut and found.	Char Balabhut 4th Plan pry.School cum Flood Shelter	200
25	Balabhut	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards east upto Langal gram Tepathi and turn right towards Gopalerkuthi, Assam Border Pucca Rd.upto Balabhut Bazar Chowpathi & turn left beside G.P. Office upto Ferry Ghat . Crossed river and proceed about 3 K.M. north side of Char Balabhut and found.	Char Balabhut MSK cum Flood Shelter	250

26	Balarampur-I	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Cooch Behar Rail Ghumti and turn left upto Dewanhat Chowpathi and turn left towards Balarampur Bazar and northern upto 3 Km. and proceed.	Sholadanga C.S.Pry. School cum Flood Shelter	330
27	Balarampur-II	Vehicle will start from Tufanganj H.Q. to Tufanganj Thana Chowpathi and turn right N.H.31 towards west upto Cooch Behar Rail Ghumti and turn left upto Dewanhat Chowpathi and turn left towards Balarampur Bus Stand at Battala and turn right to Pucca Rd. leading to Chowkushi Balarampur about 5Km. towards Culvert and proceed.	Shouldhukri 5th plan Pry. School cum Flood Shelter	230

SITAI DEV.BLOCK

Sl. No.	Name of the Gram Panchayat	Name of the Lowland	Route chart for reaching temporary shelter	Name of the Rescue Shelter	Capacity of Rescue Shelter
1	Adabari	Kajlikura	Follow the Sitai road leading towards Mathabhanga upto Joram Bazar,turn left right and proceed upto Adabari Pry.Health Centre and turn right and follow the un mettled road which connects the PMGYS and follow the road upto Kajlikura High School. Distance from the Block Headquater is 20 Kms approx.	Kajlikura High School	350
2		Takimari	Follow the Sitai road leading towards Mathabhanga upto Adabari Ghat,cross the river in a mechanized boat, get down and follow the metteled road towards Sagardighi Ghat and proceed upto 500mts approx. Rescue Shelter is on the left side of the road.	Takimari 5 th Plan.Pry.Sc hool	60
3.		Baro Adabari	Follow the Sitai road leading towards Mathabhanga upto Joram Bazar,turn left right and proceed upto Adabari Pry.Health Centre and turn right and follow the un mettled road for about 500mts,turn right and follow the Kutcha road for about 500mts. Distance from the block headquater is about 16kms approx.	Adabari Govt.Pry.S chool	75
4		Shilduar	Follow the Sitai road leading towards Mathabhanga upto Bargach about 300mts ahead of Adabari Ghat,turn left and Follow the PMGYS road for about 1 km. The school is on the left side of the road.Distance from the Block Headquater is 10 Kms approx.	Silduar Jr.Basic School	100
5		Dawabari	Follow the Sitai road leading towards Mathabhanga upto Netaji Bazar and turn left and proceed upto 200mts. The Schoolis on the right side.Distance from the Block headquater isabot 5kms approx.	Dawabari 4 th Plan Pry. School	60

6	Br. Chatra	Sagardighi	Follow the Sitai road leading towards Mathabhanga up to Netaji Bazar and cross the bazaar and proceed upto 300 mts and turn right tows sagardighi ghat for about 0.5kms. the School is on the right side of the road. Distance from the block headquater is about 6kms.	Sagardighi Govt.pry. school	50
7		Natunbash	Follow the Sitai road leading towards Mathabhanga upto Netaji Bazar and cross the bazaar and proceed up to 300 mts and turn right towards sagardighi ghat and cross the river by boat, proceed the road towards Gassanimari for about 3 kms. Upto Gossanimari temple, turn right and proceed for about 1kms. The shelter is on the left side of the road. Distance from the block headquater is about 15 kms.	Natunbash C.S. Pry. School	150
8		Uttarsingi mari	Follow the Sitai road leading towards Mathabhanga upto Adabari Ghat,cross he river by boat and get down at the ghat, turn left and follow the katcha road for about 2kms.Distance from the Block head	Singimari saranati	50

			quarter is about 14 kms approx.	Pry.School	
9		Gabuya	Follow the Sitai road leading towards Mathabhanga upto Netaji Bazar,turn right and follow the PMGYS up to kaliar hat, turn right and proceed the katcha road up to the School.Distance from the block is about 20 kms approx.	Gabuya Spl.Cadre Pry.School	200
10		Chhat Singimari	Follow the Sitai road leading towards Mathabhanga upto Netaji Bazar,turn right and follow the PMGYS up to kaliar hat , cross the bazaar and proceed for about 1.5kms and turn left and follow the katcha road for about 1kms.The shelter is on the left side of the road.Distance from the block headquarter is about 22 kms.	Tamaguri Jr.Basic School	300
11		Andaran Singimari	Follow the Sitai road leading towards Mathabhanga upto Netaji Bazar,turn right and follow the PMGYS up to Nakarjan Hospital,turn left and follow the unmetteled road for about 2kms.the Shelter is on the left side of the road. Distance from the Block headquarter is about 25kms.	Singimari No.II Pry.School.	300
12	Sitai-I	Sitai	Follow the Sitai road, cross the BDO's Office and proceed for about 300 mts. The School is on the left side of the road. Distance from the block head quarter is abouts 300 mts.	Sitai High School	500

13		Atharojani	Follow the Sitai road, cross the BDO's Office and proceed up to Sitai Chowpathi,turn left and follow the Giridhari road up to Giridhari bazaar, cross the bazaar and proceed for about 1km,turn left and follow the katcha road.Distance from the block headquarter is about 12 kms.	Atharojani 4 th Plan Pry.School	200
14	Chamta	Barthar	Follow the Sitai road, cross the BDO's Office and proceed up to Sitai Chowpathi,turn left and follow the Giridhari road up to Giridhari bazaar, cross the bazaar and follow the road up to Barthar Bazar.the School is on the left side of the road.Distance from the Block headquarter is about 15kms.	Barthar Govt. Pry.School	250
15		Chamta	Follow the Sitai road, cross the BDO's Office and proceed up to Sitai Chowpathi,turn left and follow the Giridhari road up to Giridhari bazaar, cross the bazaar and follow the road for about 400 mts.The school is on the right side of the road.Distance from the Block headquarter is about 11kms	Chata Adarsh High School	500

Haldibari Development Block

Sl No	Name of the Vulnerable Village/Area	Accommodation of the flood shelter	Tute chart to reach the flood shelter
1	Kamatbindi under per Mekhliganj	120	Kamatbindi to kamatbindi GP school through Teesta Embankment
2	Jharsingeswar	80	Via Teesta Embankment
3	Beltali	130	Via PWD Road
4	Mirdhapara under Boxiganj G.P.	90	Via Teesta Embankment
5	Bhola Hat	120	Via Z.P. road
6	Bibiganj	135	Via Teesta Embankment

2.6 List of BOP in different Blocks.

Block	GP	BOP	Adjoining Mouzas for which information can be obtained from BOP	Contact number of Company Commander/Asst. Commandant
1	2	3	4	6
Mekliganj	Niztaraf	Orang	25- Teesta Payest.40,Niztaraf,75-Niztaraf & 76- Niztaraf	03561-250494
Mekliganj	Kuchlibari	Kuchlibari	25-Teesta Payesti,112-Upenchowki Kuchlibari & 110-Bajejama Kuchlibari	03561-250843
Mekliganj	Kuchlibari	Teesta Payesti	25-Teesta Payesti	03561-250843
Mekliganj	Kuchlibari	Hemant	25-Teesta Payesti& 91-andaran Kuchlibari	03561-250494
Mekliganj	Kuchlibari	Dhaprahat	25-Teesta Payesti	03561-250494
Haldibari	Per-Mekhliganj	Bhujalipara	Per Mekliganj, G.P.	03561-248022
Haldibari	Per Mekliganj	Barun	Per Mekliganj G.P	03561-248022
Haldibari	Per Mekliganj	Jharsin geswar	Per Mekliganj, G.P	03561-248022
Dinhata-II	Nazirhat-I	Hutch BOP, 101 BN BSF	Hachek Maidam Kumarganj	9434756412

Dinhata-II	Nazirhat-II	Notafela BOP, 101 BN BSF	Notafela	9434756417
Dinhata-II	Nazirhat-II	Dighaltari BOP, 101 BN	Dighaltari	9434756414
Dinhata-II	Nazirhat-II	Bara Garaljhara BOP, BSF	Baragaraljhara	
Dinhata-II	Nazirhat-II	Chhoto Garaljhara BOP	Chhotogaraljhara	
Dinhata-II	Nazirhat-II	Ajimpara, BOP,101 BN BSF	Chhatnotafela, Notafela	
Dinhata-II	Sahebganj	Shyamganj BOP,101 BN BSF	Shyamganj Chhat Khochabari-II	9434750411

Dinhata-II	Sahebganj	Sachinandan BOP,101 BN BSF	Sachinandan, Chhat Khochabari, Kh/Kalaighati, Bil Kalaighati	9434756410
Dinhata-II	Sahebganj	Sahebganj BOP,101 BN BSF	Sahebganj	9434756409
Dinhata-II	Sahebganj	Durganagar,142 BN BSF	Sahebganj (E), Sahebganj (W),	9434756408
Dinhata-II	Sahebganj	Kalaighati BOP 101 BN BSF	Kalaighati	9434859189
Dinhata-II	Sahebganj	Dhorla BOP, 101 BN BSF	East Sahebganj	
Dinhata-II	Bamanhat-II	Kalmati-I BOP,142 BN BSF	Kalmati	9434756406
Dinhata-II	Bamanhat-II	Kalmati-II BOP,142 BN BSF	Kalmati	9434756407
Dinhata-II	Bamanhat-II	Atialdanga BOP,142 BN BSF	Atialdanga	
Dinhata-II	Bamanhat-II	Badalgiri BOP,142 BN BSF	Badalgiri	
Dinhata-II	Chowdhurihat	Jagirbalabari BOP, 42 BN BSF	Jaigirbalabari	M-9434756403
Dinhata-II	Chowdhurihat	Chowdhurihat, 182 BN BSF	Khitaberkuthi-II	
Dinhata-II	Chowdhurihat	Jhikri BOP, 42 BN BSF	Jhikri	
Dinhata-II	G/Nayarhat	Karala BOP,81 BN BSF	Kisamat Karala 1, Karal	9434756397
Dinhata-II	Sukarurkuthi	Seoti-I BOP,42 BN BSF	Seoti-I	9434756393
Dinhata-II	Sukarurkuthi	Seoti-II BOP, 42 BN BSF	Seoti-II	9434756391
Dinhata-II	Sukarurkuthi	BoshKotal BOP, 124 BN BSF	Boskotal, Kisamat Karala 2	

Dinhata-II	Sukarurkuthi	Tharaikhana BOP, 124 BN BSF	Tharaikhana	
Dinhata-I	Okrabari	Panchadhoji BOP	1.Panchadhoji 2.Indra Narayan 3.Kowrai 4.Dukha Bholar Kuthi	H.Q 124 BN BSF,Roof NAGAR,Cooch Behar,03582241498
Dinhata-I	Gitaldaha-II	Gitaldaha BOP	1.Bhoram Payesti 2.Bhoram Payesti (S), 3. Badur kuthi 4. Jari dharla 5. Dewanbosh-I	H.Q.124 Bn.BSF,Roop Nagar,Cooch Behar,035822499
Dinhata-I	Gitaldaha-I	Narayanganj BOP	1.Rathinandan 2 R.K.payesti.3.Konamukta.4.Bhoram,E.	H.Q. 124 Bn. BSF, Roopnagar,Cooch Behar,03582-241500
Dinhata-I	Gitaldaha-I	Kharija Haridas BOP	1.Kh. HaRIDAS 2.Bhoram,W. 3. Konamukta part	H.Q.124.Bn, BSF, Roop Nagar, Cooch Behar.03582-241501
Dinhata-I	Bara soulmari	Srilanka BOP	1.Singimari Madnakura 2. Kh. Batrigachh(E & W) 3.andaran Singimari 4.Singimari 5. Atiabari 6. Chhotojhila 7. Batrigachh.	H.Q 124 Bn. BSF, Roop Nagar, Cooch Behar.03582-241502
Sitai	Sitai-II	Dhumerkhata	Kesharibari	
Sitai	Sitai-II	Gossaidighi	Kayterbari	
Sitai	Sitai-II	Sitai	Chamta	
Sitai	Sitai-I	South Chamta	Chamta	
Sitai	Chamta	Satbhandari	Paglar Hat	
Sitai	Chamta	West Chamta	Gunjurichowra	

Sitai	Chamta	Koimari	Babur hat	
Sitai	Chamta	Singimari	Atharojani	

2.7 INFRASTRUCTURE VULNERABILITY AGAINST FLOOD

Vulnerability	Cyclone		Flood	
	Population	Area name	Population	Area name
Road network	Not Assessed	Entire area	65%	Cooch Behar, Natabari, Andaran Fulbari, Dhalpal, Maradanga, Mathabhanga, Haldibari, Chamta, Rampur, Sitalkuchi, Sitai, Salbari, Mekhliganj, Kuchlibari, Ranirhat, Dewanhat, Bhojanpur, Chandamari, Baro salbari, Pundimari, Takgach, Madhupur, Patlakhawa, Baneswar, Kedarhat, Gopalpur, Balasi, Khapaidanga, Sika5rpur, Singimari, Tamaguri, Adabari, Dewanganj, Baxiganj, Khalishabari, Gitaldaha, Petla, Gosanimari, Ghoksadanga, Simulguri, Nishiganj, Putimari
Water supply	Not Assessed	Entire area	30%	Cooch Behar, Dinhata, Haldibari, Sitalkuchi, Sitai, Madhupur, Singibari, Pundibari, Rampur, Suktabari, Takagach, Harinchara, Ichhamari, Salmara, Shibpur, Balashi, Daibhanga, Chamta, Shildar, Tamaguri, Baxiganj, Khalishamari, Santinagar, Golenohati, Rajakhora, Balabendar, Patlakhawa, Dharimara, Manabari, Gosanimari,
Hospital	Not Assessed	Entire area		Cooch Behar, Putimari, Natabari, Kutibari, Andaran Fulbari, Dhalpal, Haribari, Maradanga, Mathabhanga, Haldibari, Nowkhuli, Chamta, Rampur, Sitalkuchi, Balabhut, Sitai, Salbari, Mekhliganj, Kuchlibari, Khagribari, Ranirhat, Dewanhat, Bhojanpur, Ghokso, Bhanukumari, Haripur, Chandamari, Baro salbari, Chengmari, Pundimari, Turkanirkuchi, Debagram, Takgach, Madhupur, Patlakhawa, Putimari, Rakhalmari, Gobarchhara, Baneswar, Kedarhat, Gopalpur, Balasi, Khapaidanga, Salmara, Jorepati Sika5rpur, Singimari, Tamaguri, Kajlikura, Panikhawa Adabari, Dewanganj, Baxiganj, Khalishabari, Gitaldaha, Petla, Gosanimari, Ghoksadanga, Simulguri, Nishiganj,
Food stocks & supplies	Not Assessed	Entire area	60%	Cooch Behar, Putimari, Natabari, Madhupur, Singibari, Pundibari, Nowkhuli, Chamta, Shibpur, Balashi, Daibhanga, Chamta, Shildar, Tamaguri, Baxiganj, Gobarchhara, Baneswar, Kedarhat, Gopalpur, Balasi, Khapaidanga, Salmara, Jorepati Sika5rpur, Singimari, Tamaguri, Kajlikura, Rajakhora, Balabendar, Patlakhawa, Dharimara, Manabari, Gosanimari, Panikhawa Adabari,

				Dewanganj, Baxiganj, Khalishabari, Gitaldaha, Petla
Embankments	Not Assessed	Entire area	65%	Cooch Behar, Takagachh, Rajarhat Geerhari, Hanskhowa, Ghoramara , Sukandighi, Kalpani, Dudherkuthi Dewanbash, Falimari, Malerjhar, Panisala, Jhinaidanga, Singimari , Putimari, Doderhat, Airport, Chakchaka, Putimari, Kodaldhowa, Khaterbari, Adhabari, Kajlikura, Uttar Rangamati, Singimari, Bhuchungamari, Sitalkuchi, Bhelapeta, Balabhut, Chhattowa, Jhalijhali, Ukelirchhara, Amarpur, Ambari, Chilkhana, Giladanga, Joresimuli, Kheti , Barokaimari, Mathabhanga, Moradanga, Panichhara, Maruganj, Taliguri, Madhya Kaljani,
Bridges	Not Assessed	Entire area	40%	Cooch Behar, Putimari, Suktabari, Takagach, Harinchara, Ichhamari, Salmara, Shibpur, Balashi, Daibhanga, Chamta, Shildar, Tamaguri, Baxiganj, Khalishamari, Santinagar, Golenohati, Rajakhora, Balabendar, Patlakhawa, Dharimara, Manabari, Gosanimari, Ukelirchhara, Amarpur, Ambari, Chilkhana, Giladanga, Joresimuli, Kheti , Barokaimari, Mathabhanga, Moradanga, Panichhara, Maruganj, Taliguri,

2.8 UNPROTECTED AREA (VULNERABLE ZONE):

Sl. No.	Name of village/Mouza	Length of damage portion	River	Block	Nature of Damage
1	Baxirkuthi Kaliganj area in P.S. Tufanganj Dist. Cooch Behar.	1200m	Kaljani (L/B)	Tufanganj-I	Bank erosion
2	Amlaguri area in P.S. Tufanganj Dist. Cooch Behar.	500m	Kaljani (L/B)	Tufanganj-I	Bank erosion
3	Jaigir Chilakhana area (U/S Daspara & U/S Sahapara) in P.S. Tufanganj Dist. Cooch Behar (Zone-I & Zone-II)	850m	Gadadhar (R/B)	Tufanganj-I	Bank erosion
4	Talai area in P.S. Tufanganj, Dist. Cooch Behar.BOP No. 996/12-S Talai, IBB No. 74/0.00 Km.	600m	Kaljani (L/B)	Tufanganj-I	Bank erosion
5	Changmari Jhaljhali area in P.S. Tufanganj, Dist. Cooch Behar.BP No. 987/11R to 988.	650m	Kaljani (L/B)	Tufanganj-I	Bank erosion
6	Dwiperpar Bazar area in P.S. - Tufanganj, Dist.-Cooch Behar.	620m	Raidak-I (R/B)	Tufanganj-I	Bank erosion
7	D/S of Guriarpar existing B.P. work in P.S. Tufanganj Dist. Cooch Behar	510m	Raidak-I (R/B)	Tufanganj-I	Bank erosion
8	Debagram Nakkathi area in P.S. Tufanganj Dist. Cooch Behar	950m	Raidak-I (L/B)	Tufanganj-I	Bank erosion
9	Purba Falimari- Solardanga area in P.S. Kotwali Dist. Cooch Behar	990m	Ghargharia (R/B)	Tufanganj-I	Bank erosion
10	Down stream extension of Purba solardanga B.P.in P.S. Tufanganj Dist. Cooch Behar.	900m	Torsa (L/B)	Tufanganj-I	Bank erosion
11	Solardanga area (East Panisala) in P.S. Tufanganj Dist. Cooch Behar.	1000m	Torsa (R/B)	Tufanganj-I	Bank erosion
12	Dalua Dashgir (RLI pump house) in P.S. Kotwali Dist. Cooch Behar.	810m	Ghargharia (R/B)	Tufanganj-I	Bank erosion
13	Char Balabhut area in P.S. Tufanganj Dist. Cooch	720m	Kaljani	Tufanganj-I	Bank erosion

DISTRICT DISASTER MANAGEMNT PLAN-2020, DISTRICT-COOCH BEAHR

	Behar.		(R/B)		
14	Shouldhukri Daspara in P.S. Tufanganj Dist. Cooch Behar.	175m	Kaljani (R/B)	Tufanganj-I	Bank erosion
15	D/S of Chatowa embankment in P.S. Tufanganj Dist. Cooch Behar.	800m	Kaljani (R/B)	Tufanganj-I	Bank erosion
16	Chatowa amlaguri area in P.S. Tufanganj Dist. Cooch Behar.	650m	Kaljani (R/B)	Tufanganj-I	Bank erosion
17	Uttar Ghogarkuthi Kalbari area in P.S. Tufanganj Dist. Cooch Behar.	300m	Gadadhar (R/B)	Tufanganj-I	Bank erosion
18	Krishnapur Balaramdham (Radha Gobinda) Mandir area	440m	Gadadhar (R/B)	Tufanganj-I	Bank erosion
19	Takuamari Bhushpara area in P.S. Boxirhat, Dist. Cooch Behar.	750m	Raidak-II (R/B)	Tufanganj-II	Bank erosion
20	Uttar Ghoksho area in Boxirhat P.S. under CoochBehar.	415m	Raidak-II (L/B)	Tufanganj-II	Bank erosion
21	Chhit Baralawkuthi near confluence point of Gangadhar and Raidak-II in P.S. Boxirhat , Dist. Cooch Behar.	2023m	Gangadhar (L/B)	Tufanganj-II	Bank erosion
22	Chhat Falimari area in P.S. Boxirhat Dist. Cooch Behar.	2650m	Sankosh (L/B)	Tufanganj-II	Bank erosion
23	Begarkhata(North) and Chamta Daspara area in P.S. Tufanganj Dist. Cooch Behar	1500m	Raidak-I (R/B)	Tufanganj-II	Bank erosion
24	Pashchim Salbari & Jogipara area in P.S. Baxirhat Dist. Cooch Behar	950m	Raidak-I (L/B)	Tufanganj-II	Bank erosion
25	Pakhihaga in Matalhat G.P. in P.S. Dinhata Dist. Cooch Behar.	810m	Bura Dharala (R/B)	Dinhata-I	Bank erosion
26	Kamtapur & Uttar Singimari Vill. Area in P.S. Dinhata, Dist. Cooch Behar.	1000m	Mansai (L/B)	Dinhata-I	Bank erosion
27	Madnakura in P.S. Dinhata, Dist. Cooch Behar.	1500m	Singimari (L/B)	Dinhata-I	Bank erosion
28	Gram Bromatar Bhutkura under Matalhat G.P. in P.S. Dinhata Dist. Cooch Behar.	1560m	Dharala (L/B)	Dinhata-I	Bank erosion
29	Panchodhoji BOP in P.S.- Dinhata, Dist. Cooch Behar. BP No.- 925 to 926.	1000m	Dharala (L/B)	Dinhata-I	Bank erosion
30	Gitaldaha BOP(Bharampaisti Ghoshpara) in P.S.- Dinhata, Dist. Cooch Behar. BP No.- 926 to 928.	1460m	Dharala (L/B)	Dinhata-I	Bank erosion
31	Gram Bromatar Bhutkura under Matalhat G.P. in P.S. Dinhata Dist. Cooch Behar.	1560m	Dharala (L/B)	Dinhata-I	Bank erosion
32	Chhota Khalisamari village area in P.S. Sitalkuchi Dist. Cooch Behar.	900m	Dharala (R/B)	Sitalkuchi	Bank erosion
33	East Kursamari area in P.S. Sitalkuchi, Dist, Cooch Behar.	2800m	Mansai (L/B)	Sitalkuchi	Bank erosion
34	Changerkuthi Khalisamri village area in P.S. Sitalkuchi Dist. Cooch Behar.	1020m	Dharala (R/B)	Sitalkuchi	Bank erosion
35	Morebhanga Adabari & Uttar Kismat Adabari village area on the R/B of river Mansai in P.S. Sitai, Dist. Cooch Behar.	1690m	Mansai (R/B)	Sitai	Bank erosion
36	Baraibari (D/S of PWD road bridge) in P.S. Kotwali Dist. Cooch Behar.	420m	Ghargharia (R/B)	Cooch Behar-II	Bank erosion
37	D/S of Dakshin Ambari in P.S. Kotwali Dist. Cooch Behar.	600m	Kaljani (R/B)	Cooch Behar-II	Bank erosion
38	Ichhamari champaguri between spur no-1 & 2 in P.S. Kotwali Dist. Cooch Behar	330m	Torsa (R/B)	CoochBehar-II	Bank erosion
39	Between spur no-3 & 4 at Ichhamari champaguri area in P.S. Kotwali Dist. Cooch Behar	300m	Torsa (R/B)	CoochBehar-II	Bank erosion

DISTRICT DISASTER MANAGEMNT PLAN-2020, DISTRICT-COOCH BEAHR

40	Hastabudh Kasaldanga P.O. Patpishu in P.S. Kotwali Dist. Cooch Behar.	300m	Saltiar (R/B)	Cooch Behar-I	Bank erosion
41	Bairati Jagatjully village area in P.S. Kotwali Dist. Cooch Behar.	450m	Mansai (L/B)	Cooch Behar-I	Bank erosion
42	D/S of Talliguri embankment in P.S. Kotwali Dist. Cooch Behar.	300m	Ghargharia (R/B)	Cooch Behar-I	Bank erosion
43	Motiarkuthi village area in P.S. Mathabhanga Dist. Cooch Behar.	380m	Dolong (R/B)	Mathabhanga-II	Bank erosion
44	South Baraibari area (Just D/S of Baraibari B.P. work) in P.S. Mathabhanga Dist. Cooch Behar.	1200m	Mansai (L/B)	Mathabhanga-II	Bank erosion
45	Fulbari Daribosh village in P.S. Ghoksadanga, Dist. Cooch Behar	654m	Jaldhaka (L/B)	Mathabhanga-II	Bank erosion
46	Panchanan Khatriya Samity area in P.S. Mathabhanga Dist. Cooch Behar.	350m	Dharala (R/B)	Mathabhanga-I	Bank erosion
47	Between Panaguri spur & Sibpur spur on the R/B of river Mansai in P.S. Mathabhanga Dist. Cooch Behar.	1070m	Mansai (R/B)	Mathabhanga-I	Bank erosion
48	Belerdanga in P.S. Mathabhanga, Dist. Cooch Behar.	420m	Mansai (R/B)	Mathabhanga-I	Bank erosion

CHAPTER 3:

INSTITUTIONAL ARRANGEMENTS FOR DM

3.1 The Disaster Management Act 2005 provides for an effective institutional mechanism for drawing up and monitoring implementation of disaster management plan for prevention and mitigating effects of disasters and for taking a holistic, coordinated and prompt response to any disaster situation. Under Section 78 of the DM Act 2005, powers are conferred to the State Government for making rules to carry out the provisions of this Act and notify such rules in the official gazette.

The institutional mechanism for disaster management at the district level, is as given below -

1. District Disaster Management Authority :- District Magistrate is the Chairperson of the DDMA, Sabhadhipati of the Cooch Behar Zilla Parishad is the Co-Chairperson, ex-Officio, The Additional District Magistrate (Dev) Ex-Officio member, The Superintendent of Police, Ex-Officio member, The Chief Medical Officer of Health as Ex-Officio member, The Executive Engineer of Irrigation as Ex-Officio, The Sub-Divisional Officer, Sadar /Tufanganj/Dinhata/Mathabhanga/ Mekhliganj Sub-Division as Ex-Officio member.
2. District Disaster Management Advisory Committee:- No such Committee not had yet been formed.
3. Local Self Government:- There are 3 (Three) tier Panchayat System such Zilla Parishad, Panchayat Samiti & Gram Panchayat for rural areas and there are 6 Municipalities in the District. The details is given below:-

Name of the Local Self Government	Existing members of the body of the District	Sthayee Samiti/ Upa Samiti	Activities
Cooch Behar Zilla Parishad			Disaster related works of the District
Panchayat Samiti	There are 12 Panchayat Samiti in the District	Each Panchayat Samiti have one Sthayee Samiti who looks after Disaster Management Scenerio, namely, Sishu Nari Unnayan Janakalya O Tran Sthayee Samiti	Disaster related works of the concerned Panchayat Samiti
Gram Panchayat	There are 128 Gram Panchayat in the District	There is one Upa Samiti in each gram Panchayat to look after disaster Management related matters	
Municipality	There are 6 (Six) Municipalities		Implement all disaster related matter of the district

District EOC:- There is a EOC at the District Level. Normally it runs between 1st June to 31st October every year. Sub-Divisional & Block Level Control Room also remain open for the period from 1st June to 31st October every year. In case of any natural calamities District Authority also will open the EOC.

3.2 IMPORTANT TELEPHONE NUMBERS

DISTRICT ADMINISTRATION

Designation	Office	Residence	Fax	Mobile	E-mail
D.M.	03582-227101	03582-227201	227000	8373082101 9434027101	dmcoochbehar@gmail.com
ADM,DLLRO	03582-228490	-	-	8373082106	dllro.cob@gmail.com
ADM, & AEO ,ZP	03582-222527	03582 - 227567	-	8373082103	aeo.cbr@gmail.com
ADM,(DEV)	03582-227102		227002	8373082104	admdevcbr@gmail.com
ADM(G)	03582-227103	03582-227203	03582-227061	8373082102	admgen.cbr@gmail.com
ADM,DRDC	03582-222478 03582-231081		03582-222478	8373082106 9831480481	pddrdccbr@gmail.com
DPLO	03582-227109	-	03582-224246	8373082115	development.cob@gmail.com
DPRDO	03582-227110	03582-226606	-	8373082117	dprdo110mpr@gmail.com
OC, Disaster Management	03582-227114			8373082125	dismancbr@gmail.com
RTO	03582-227125		03582-227125	9434216963	rto-cbr@nic.in.
DNO,MG NREGS	03582-229617	-	-	9932092984	nrega.cbr@gmail.com
OC, Election	03582-227112	03582-227205	-	8373082123	deocbr1@gmail.com
Sr. DC	03582-227107			8373082113	
NDC,Cooch Behar	03582-27111			8373082114	ndc.cob@gmail.com
OC, Civil Defence	03582-227124			8373082125	
OC, JM	03582-229359			8373082126	
OC Mid-daymeal	03582-225286			8373082124	oc.middaymeal.cbr@gmail.com
OC, RM				8373082126	
OC, Minority Affairs	03582-222367			8373082120	doma.cbr@gmail.com
SPL.LAO	03582-27117			8373082119	spllaocbr@gmail.com
OC. Census & Enclave				9433328662	Pbcbr2014@gmail.com
DSW,Cooch Behar	03582-225401			9434062320	socialwelfare.cbr@gmail.com
OC. Child Welfare Committee	03582-222352			9832331728	cwc.coochbehar2008@rediffmail.com
OC, Health	03582-226604			8373082125	
DWO,	03582-222221			8373082116	bcwcob@gmail.com
DM,SC,ST.F. Corporation	03582-222614			8373082121	rajbari.kbQgmail.com
OC, Kanyasree	03582-226604			8001178602	
DPO. ICDS	03582-227113			9932979978	dpo.icds.cbr@gmail.com

					<u>m</u>
Dy. Director, Small Savings	03582-223024			8373082120	
DDMO	03582-227114		03582-227114	9073936731	dismancbr@gmail.com

SUB DIVISIONAL OFFICERS

Sub Division	Phone No			E Mail
	Office	Residence	Mobile	
SDO, SADAR	03582-227105	03582-227204	9434101770	sdo_sadar-cbr@nic.in sdo.sadar.cbr@gmail.com
SDO, Dinhata	03581-255001	03581-255105	8373082109 9434778081	sdo_dinhata@nic.in sdodinhata@gmail.com
SDO, Tufanganj	03582-244220	03582-244258	8373082108 9434101750	Sdo_Tufanganj@nic.in sdotufanganj@gmail.com
SDO, Mathabhanga	03583-255273	03583-255224	8373082110 9434703622	mtbdo@gmail.com
SDO, Mekhliganj	03584-255297	03584-255237	8373082111 9547217572	sdo_mekhliganj@nic.in sdo.mkg@gmail.com

BLOCK DEVELOPMENT OFFICERS

BLOCK	Phone No			E Mail
	Office	Fax	Mobile	
Cooch Behar I	03582-274555	03582-274555	8373082128	bdo_cob1@yahoo.com
Cooch Behar II	03581-270221	03582-270890	8373082129	coochbehar2@nic.in bdo.coochbeharii@gmail.com
Dinhata- I	03581-255045	03581-256107	8373082130	dinhata1@nic.in dinhata1@rediffmail.com
Dinhata- II	03582-244201	03582-244201	8373082131 9073938021	dinhata2bdo@gmail.com dinhata2@nic.in
Sitai	03583-285213	03583-285213	8373082136 9434013346	sitai@nic.in bdositai@gmail.com
Tufanganj- I	03582-244231	03582-244231	8373082132 9434760442	tufanganj1@nic.in bdotfg1@gmail.com
Tufanganj- II	03582-263224	03582-263224	8373082133 9434760443	bdotufanganj2@gmail.com bdo_tfg2@rediffmail.com
Mathabhanga- I	03583-255260	03583-255260	8373082134 9434760447	mathabhanga1@nic.in bdombt1@gmail.com
Mathabhanga- II	03583-255257	03583-255257	8373082135 9434760448	mathabhanga2@nic.in bdo.mtb2@gmail.com
Sitalkuchi	03583-263231	03582-263231	9434760449 8373082137	sitalkuchi@nic.in bdositalkuchi@yahoo.co.in
Mekhliganj	03584-244345	03584-244701	8373082138 9434760450	mekhliganj@gmail.com
Haldibari	03561-263241	03561-263241	8373082139 9434760451	bdohaldibari@gmail.com

Disaster Management Officials at Sub-divisional Level

NAME OF THE OFFICER	SUB DIVISION	PHONE NO	MOBILE	e-mail ID
Alexandar Mardi (SDMO)	Mekhliganj	03584-255238	9609992602	sdo.mkg@gmail.com
Rana Roy (SDMO)	Dinhata	03581-255001	9874340368	sdodinhata@gmail.com
Arnab Chatterjee (SDMO)	Mathabhanga	03583-257621	9732704690	sdomtbdeo@gmail.com
Nirajan Pal (SDMO)	Tufanganj	03582-244143	9433555498	sdotufanganj@gmail.com
Sukhamay Banerjee (SDMO)	Cooch Behar Sadar	03582-227105	9434568249	sdo.sadar.cbr@gmail.com

Disaster Management Officials at Block Level

NAME OF THE OFFICER	BLOCK	PHONE NO	MOBILE	e-mail ID
Paresh Ch. Barman	Mathabhanga-II	03583-255260	9434443895	bdo.mtb2@gmail.com
Prakash Das	Mathabhanga-I	03583-255257	9749108118	bdmmtb-2@gmail.com
Abhaynath Siddhant	Sitalkuchi	03583-263231	9681037027	bdositalkuch@yahoo.co.in
Shyamal Dey	Dinhata-I	03581-255045	9434079153	bdodin1@radiffmail.com
Subal Kumar Dey	Dinhata-II	03581-244201	9775879628	dinhata2bdo@gmail.com
Binay Barman	Sitai	03583-245213	9434443972	bdositai@gmail.com
Champak Kr. Saha	Cooch Behar-I	03582-274555	97355595078	bdo.cob1@yahoo.com
Arup Chowdhury	Cooch Behar-II	03582-270221	9433366221	bdo.coochbeharii@gmail.com
Arinjal Bhowmick	Mekliganj	03584-244345	8902404393	bdomekliganj@gmail.com
Anup Kr. Chaki	Tufanganj-I	03582-244431	9832309042	bdotfgl@gmail.com
Aniruddha Roy	Tufanganj-II	03582-263224	9800037256	royaniruddhabdmo@gmail.com
Manab Kr. Das	Haldibari	03561-263241	8013212620	bdohaldibari@gmail.com

AGRICULTURE**QUICK RESPONSE TEAM**

DISTRICT LEVEL	SL.No	Name.	Designation.	Mobile No.	Office No.
	1.	Dr.Arun Bose	DDA (Admn.)	9474480116	03582-227545

Subdivision.	Sl.	Name.	Designation.	MobileNo.	Office No.
Sadar.	1.	Gopal.Barma	Asstt.D.A(Admn)	7001791942	03582-227759
Dinhata	3.	Balaram Das	Asstt.D.A(Admn)	7908864331	03581-255114.
Mathabhanga	4.	Asok Dey	Asstt.D.A(Admn)	7076368854	03583-255288
Mekliganj.	5.	Sanjib Das	Asstt.D.A.(Admn)	89183025559	03584-255230
Tufanganj	6.				03582244619

BLOCK LEVEL	Sl	Block	Name.	Designation.	Mobile No.	Office No.
		Cooch Behar-I	Dr.R.Chaterjee	Asstt. D.A.	9547126589	03682-274264
		Cooch Behar-II	B. Sarkar	Asstt.D.A.	9474571081	03582-270245
		Tufanganj-I	Ritam Saha	Asstt. D.A.	9046804711	03582-244619
		TufanganjII	Rabjit Barman	Asstt. D.A.	8016845843	03582-244619
		Dinhata-I	Subodh Mallik	Asstt. D.A.	9635990944	03581-256648
		Dinhata-II	P. Mondal	Asstt. D.A.	9477213716	03581-244593
		Sitai	S. Dey	Asstt. D.A.	8116221140	03583-245652
		Mathabhanga-I	Debjani Halder	Asstt. D.A.	9932234282	03583-278676
		Mathabhanga-II	M. Mondal	Asstt. D.A.	9477402995	03583-257379
		Sitalkuchi	P. Bhowmik	Asstt. D.A.	8968923194	03583-263794
		Mekliganj	A. Das	Asstt. D.A.	9832620104	03584-244372
		Haldibari	Sudipta Sarkar	Asstt. D.A.	9432452786	03561-263228

AGRI-IRRIGATION

DESIGNATION	CONTACT NO	
	Landline	Mobile
Executive Engineer	03582-222554	9434169031
Asstt. Engineer	03582-222332	9475807560

AGRI-MECH

DESIGNATION	LANDLINE NO.	MOBILE NO.
Executive Engineer(A-M) Cooch Behar(A-M) Division	03582/223483	9153609898
Assistant Engineer (A-M) Cooch Behar(A-M) Sub-Division	03582-222218	7908409622
Assistant Engineer (A-M), Mathabhanga Sub-division	03583/255249	7908409622

ANIMAL RESOURCE DEVELOPMENT

District Control Office		
Phone: 03582-227804	Fax: 03582-227776	E mail:

Sub Division	Sl No	Block	Name & Designation of official	Contact No
Cooch Behar Sadar	1	Coochbehar-I	Dr Krishna Prasad Mukherjee, BLDO	8001548122
	2	Coochbehar-II	Dr Sourav Kanti Biswas,BLDO	9674330222
Dinhata	3	Dinhata-I	Dr Swapan Kumar Das,BLDO	9433542571
	4	Dinhata-II	Dr Manoj Goldeer, BLDO	9434601645
	5	Sitai	Dr Pratap Sinha,BLDO	8172093621
Mathabhanga	6	Mathabhangha-I	Dr Ram Krishna Ghosh,BLDO	9748606092
	7	Mathabhangha-II	Dr Amal Kr. Pramanik,BLDO	9800558551
	8	Sitalkuchi	Dr Chandan Roy,BLDO	7477518258
Mekhliganj	9	Mekhliganj	Dr Debasis Barman, BLDO	7602483293
	10	Haldibari	Dr Chandan Dhar,BLDO	7001923434
Tufanganj	11	Tufanganj-I	Dr Tarak nath Karmakar,BLDO	9007778518
	12	Tufanganj-II	Dr Basudev Dutta,BLDO	9832034286

Sl No	Name of the Official	Designation	Contact No
1	Sri Sekharesh Ghosh	Deputy Director, ARD	9434503816
2	Dr Mathur Pal ,	Assistant Director,ARD & In-Charge Animal Health	9434554918/ 9163053701
3	Dr. Rajibkanti Saha	Veterenary Officer	9231333558
4	Dr. Rana Chanda, ADBI	Veterenary Officer	9434937174
5	Sri Prasun Biswas,	Assistant Director,ARD	9564167984
6	Sr Prasun Biswas	Assistant Director	9433409535
7	Sri Krishnendu Sinha	Assistant Director	9732881528
8	Sri Nemai Kr. Mandal	Assistant Director	9432380404
9	Sri Ramesh Ch Mandal	Assistant Director	9475070961

A) SECTOR OFFICE

The following Sector Offices will be opened temporarily.

Sl No	Place	Office-In-Charge	Blocks Under Sector Office
1	SAHC- Coochbehar	Asstt. Director(V R & I)	Coochbehar I & II
2	SAHC-Dinhata	VO,SAHC,Dinhata	Dinhata I & II
3	SAHC-Mathabhangha	VO SAHC Mathabhangha	Matha-I & II and Sitalkuchi
4	SAHC-Tufanganj	VO SAHC Tufanganj	Tufanganj-I & II
5	SAHC-Mekhliganj	VO SAHC Mekhliganj	Mekhliganj & Haldibari

N.B. B.L.D.O.s are requested to keep the phone no of concern L.D.A. & Vety Pharmacists and Prani Bandhu

CATTLE FEED SUPPLIER

Sl No	Name of the Dealer	Block	Address
1	Sri Nandadulal Banik	Coochbehar-I	Dewanhat/Coochbehar Ph:- 8900657648/03582-252211
2	Sri Asit Saha	Cooch Behar	Khagrabari/ Cooch Behar, Mob. 8670543499
3	Sri Ratan Saha	Dinhata	Balarampur Road,Dinhata/Coochbehar Ph 9153228290/03581-256269
4	Sri Jiban Krishna Barma	Dinhata	Balarampur Road,Dinhata/Coochbehar 9635072865
5	Sri Ajay Kr Banik	Mathabhangha-II	Ghoskadanga/Coochbehar Ph:- 9832441515
6	Sri Sushanta Singha	Mekhliganj	Jamaldah/Coochbehar Ph No:- 9933150588
7	Sri Mantosh Saha	Tufanganj	Tufanganj / Cooch Behar Mob. 933208732

ARMY

Designation	Name of Regiment	Contact No.	E-mail ID
Commanding Officer	No.1, Assam Regt. Cooch Behar	7047238416/ 8597116300	1assamregt@gmail.Com
Adjutant	192,FD Regt. Malbazar	8283873639	ssp2326@gmail.com

BSNL

DESIGNATION	LANDLINE	MOBILE
TDM/COB	03582-225977	9434011447
PA to TDM/COB	03582-225977	9434095137
AGM/CM/COB	03582-230700	9434001244
SDE/PLG & ADM	03582-225944	9434095131
SDE ,Sales	03582-227988	9434042777
SDE (Gr.)/COB	03582-228219	9434095120
SDE(Teans)/MTG	03582-230066	9434095121
SDE(Intl)/COB	03582-224266	9434095125
I,II & RSU/COB	03582-225444	9434095140
A.O.(TR)	03582-227914	9434733399
IFA/COB	03582-225988	9434088288
JTO, NS/COB	03582-228000	9434201800
JTO, NS/COB	03582-228000	9434095129
JTO, CMTS	03582-224966	9434103123
JAO,(CMTS)/COB	03582-227914	9434212422
JTO, (O/D)/COB	03582-222777	9434095139
JTO,(Gr)/COB	03582-224200	9434095132
JTO,Sales	03582-224900	9434001237
JTO,(Inst)/COB	03582-223000	9434095144
JTO,(Trans)/COB	03582-230066	9434649740
SDE,Grp.&Inst.. Dinhata	03581-255257	9434095130
JTO,DTA,Dinhata	03581-258000	8900654917
SDE, Grp, Tufanganj	03582-244777	9434095127
JTO,TUFANGANJ		
SDE,Grp.,Mathabhanga	03583-256700	9434011441
JTO,Mathabhanga		
SDE, Mekliganj	03584-255400	9434105600
JTO, Mekhliganj	03584-255400	9434685902

CENTRAL WATER COMMISSION

Name of the Office with Postal Address	Fax No.	Phone No.
The Chief Engineer Brahmaputra & Barak Basin, CWC	0364-2232294	0364-2534424
Superintending Engineer (C) Brahmaputra & Barak Basin	-DO-	0364-2232294
Executive Engineer, Lower Brahmaputra Division	03561-230677	03561-230677/230622/
Assistant Executive Engineer (HQ)	-DO-	03561-230677
Extra Assistant Director (Met),	-DO-	-DO-
Assistant Engineer (W/L),	-DO-	-DO-

Assistant Engineer, Torsa-Raidak-Sankosh Sub-divin	-	03548-222320
Assistant Engineer, Upper Teesta Upper Mahananda Sub-divin	-	0353-2426684
Assistant Engineer, Jaldhaka Lower Teesta Sub-divin	-	03561-230677
Assistant Engineer, Manas-Sankosh-Teesta Link Canal Inv.	-	03564-255713
Assistant Engineer, Sankosh Inv. Sub-divin-I	-	03564-255713

DAMODAR VALLEY CORPORATION (DVC)	(033) 2355-3988
FLOOD CONTROL ROOM, KOLKATA	(033) 2355-0934

DISTRICT INDUSTRIES CENTRE	DESIGNATION	OFFICE NO.	MOBILE NO.
	GM, DIC	03582-222428	94743-88326

CHILD DEVELOPMENT PROJECT OFFICERS

Sl. No.	Name of CDPOs	Place of Posting	Contact No.
1	Sri Tanmay Biswas	Cooch Behar –I	9851787052
2	Sri Bidur Ch. Roy	Cooch Behar – II (in-charge)	9614417024
3	Sri Robin Tamang	Dinhata-I	9647241277
4	Sri Durlav Mandal	Dinhata-II	8906737224
5	Sri Lokenath Dey	Sitai	8918993688
6	Sri Prabir Ghosh	Tufanganj-I	8972537399
7	Sri Prabir Ghosh	Tufanganj-II (in-charge)	8972537399
8	Sri Nilratan Halder	Mathabhanga-I	8768885652
9	Sri Nilratan Halder	Mathabhanga-II	8768885652
10	Sri Sanjay Saha	Sitalkuchi	8944066881
11	Sri Pritam Santra	Haldibari	8927800198
12	Sri Jagadish Ch. Roy	Mekhliganj	9641670790

ICDS

<u>NAME</u>	<u>DESIGNATION</u>	<u>OFFICE NO.</u>	<u>MOBILE NO</u>
Sri Sudipta Saha	DPO, ICDS	03582-227113	8250366194
Sri Tapan Biswas	DSWO	03582-225401	8240035783

DRDC

Project Director	Phone Number	e-mail ID
	8373082106	pddrdccbr@gmail.com
Deputy Project Director	8373082127	pddrdccbr@gmail.com

FIRE & EMERGENCY SERVICES

Name of the fire station	Designation	Telephone Number
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Name of the fire station	Designation	Telephone Number
Cooch Behar Fire Station	Station Officer-I	03582-225434
	Station Officer-II	03582-229101
Tufanganj Fire Station		03582-224203
Dinhata Fire Station	Station Officer-I	03581-255115
	Station Officer-II	03581-255101
Mathabhanga Fire Station	Station Officer-I	03583-255298
Mekliganj Fire station	Station Officer	03584-255250
Haldibari Fire Station	Station Officer	03561-263200

FOOD & SUPPLIES

Designation	Contact No.
District Controller	03582-255438 8777702320
Sub-divisional Controller CBR Sadar	9733049191
Sub-divisional Controller, Mathabhanga	7003473279
Sub-divisional Controller Mekliganj	7001886709
Sub-divisional Controller Dinhata	9674320732
Sub-divisional Controller Tufanganj	7278728015
Chief Inspector, Flood & Supplies, Cooch Behar	9434876989
Inspector, Flood & Supplies, Cooch Behar-I	8967362683
Inspector, Food & Supplies, Cooch Behar-II	9434963004
Inspector, Food & Supplies, Tufanganj-I	9614239795
Inspector, Food & Supplies, Tufanganj-II	9614239795
Inspector, Food & Supplies, Dinhata-I	9474520810
Inspector, Food & Supplies, Dinhata-II	9733473189
Inspector, Food & Supplies, Mathabhanga-I	9434465358
Inspector, Food & Supplies, Mathabhanga-II	
Inspector Food & Supplies, Sitai	9474520810
Inspector, Food & Supplies, Sitalkuchi	9434465358
Inspector, Food & Supplies, Haldibari	9474626528
Inspector, Food & Supplies, Mekliganj	8653666316

GODOWNS OF FOOD & SUPPLIES DEPTT.

Type of storage structure	Location	Capacity	Contact Person
Madan Mohan Hired Godown	Chakchaka	1800 MT	Mrinal Deb 8900703373
CWC	Near military Camp Cooch Behar	2410 MT	Dhananjay Banik 8653666316
RIDF Paradubi, Mathabhanga	Paradubi, Mathabhanga	5000 MT	Manmatha Roy 9126098230
RIDF Sitalkuchi	Sitalkuchi Mathabhanga	5000 MT	Md. Md. Selim 769919160
SWC Dinhata	Station Road, Dinhata	1250 MT	Purna Ch.Chakraborty 9474520810

FOOD CORPORATION OF INDIA GODOWNS

No.	Type of storage structure	Location	Capacity	Contact person	(Address & Phone No.)
1	FCI Godown	ARDC, Khagrabari	10,000 MT	Sri Prosenjit Hira Deputy Incharge	New Cooch Behar Ph.03582-230620
2		FSD, Baburhat	5000 MT	Subhash Ch, Mandal, Deputy In Charge	Cooch Behar-II Ph 03582-.258391
3		Central Warehouse near military camp	2410 MT	Sri B,C,Das, Manager	Cooch Behar 9932108327
4		Hired Depot Dinhata Sahahebganj Road	1925 MT	Sri Goutam Kr. Dey, Deputy in charge.	Dinhata, 9547816321
5	Nishiganj Hire Godown	Nearby Mathabhanga Bazar	2000 MT	District Controller, Cooch Behar	03582-227438
6	Ghughumari Food Supplier Godown	Kadamtala, Cooch Behar Sadar	600 Mt		
7	Kameswary Food Supplier Godown	Near Cooch Behar Municipality	2400 MT		
8	Dinhata SWS Godown	Station Road Dinhata	1250 MT		
9	Satmile Hire Godown	Cooch Behar Sadar	500 MT		

MR Distributors/ K Oil Agents

Place	MR Distributor and Phone Number	Quantity keep (rice)	K Oil Agent and Phone No.	Quantity keep (K.oil)
Cooch Behar Sadar	1.P.C Bhowal, (M) 9474521597	100 Qtls	1.Kashiram Ramkhelawan, Ph.222839/ 9434028839	5 KL
	2.N.N. Ghosh, (M)9434022735	100 Qtls	2.Swapan Paul, Ph.223154/ 9434155237	5 KL
	3.S. P. Saha (M) 9434169821	100 Qtls	3.P.K. Hore, Ph.224298, Mob. No.9434064206 (Pundibari)	5 KL
	4. S. K. Saha Roy (M) 7407004120	100 Qtls		
Dinhata	1.B.R.Choudhury, 8116116485	100 Qtls	1.Akshay Basak, 9434366976	5 KL
	2.N.N.Paul, 9434337604	100 Qtls	2.Madan Store, 7602271954	5 KL
	3.J. C. Sarkar, 9609640640	100 Qtls	3. B.D.Fuel - 9800815099	5 KL
Tufanganj	1.Sukumar Saha & Co, 9434045044	100 Qtls	1. Gopeswar Debnath Ph.244276/ 9434367206	5 KL
	2.B.B.Basak, 9434338332	100 Qtls		
Mathabhanga	1.Sunil Saha, 9434066211-MTB	100 Qtls	1. Jain service Station, ph.255377/ (M) 9434066311	5 KL
	2.G. Malakar, 9474514908-NSG	100 Qtls	2. . D. P. Agarwal, (M) 9434217439	5 KL
	3.Madan Gopal Saha, Gosairhat (M) 8348451620	100 Qtls		
Mekhliganj	S.R. Upadhyay, ph.244335 (M)- 9002438844, Changrabanda	100 Qtls	1. Jyoti Distributors.ph.233080/ (M) 9434241829	5 KL
Haldibari	1.Mira, (M)8617671643	100 Qtls	D. P. Agarwal, (M) 9434217439	5 KL
Sitai	M. Enterprise, 8967166484	100 Qtls		

Name of K.Oil big Dealers

Sl	Name of big dealer	Address	Phone no.	Qty. keep
1	M/S D. L. Agarwal	Sitai	9932935104	2 KL
2	Sri S. G. Saha	Baraibari	9933408733	2 KL
3	Sri S. G. Saha	Gosairhat	9933408734	2 KL

LIST OF GR WHOLESALER

Sl	GR Distributor	Address	Phone No	Qty. keep
1	Bikash Dutta	Cooch Behar Sadar	9732990937	
2.	G. Chakraborty	Dinhata	9434367039	
3.	Provat Saha	Tufanganj	9434045044	
4.	1. A.L. Saha 2. G. Malakar & Sons 3. S.N. Saha,	Mathabhanga	9476358634 9474514908 9434066211	
5.	S.R. Upadhya	Mekhliganj	9002438844	

FOREST

DESIGNATION	LANDLINE NO.	MOBILE NO.	E-MAIL ID
D.F.O. WILDELIFE III	03582-227185	9434706166	dfow13.ab@gmail.com
DFO, COOCH BEHAR	03582-227727(O)	9434376950	cobdivivn@gmail.com
DFO, SOILCONSERVATION			
D.F.O. social forestry		9434376950	

HEALTH

OFFICE OF THE CMOH	DESIGNATION	LANDLINE NO.	MOBILE NO.
	CMOH	03582-228874(O), 03582-222257(R),	9434101706
	DY CMOH-I	03582-228874	8900073683
	DY CMOH-II	03582-227128	9800762755
	DY CMOH-III	03582-228797	9932206392

SUB-DIVISIONAL HOSPITALS	NAME OF HOSPITAL	LANDLINE NO.
	MJN(DIST), HOSPITAL, SADAR	03582-228779
	S.D.HOSPITAL, DINHATA	03581-255002
	S.D. Hospital, Tufanganj	03582-244242
	S.D. Hospital, Mathabhanga	03583-255261
	S.D. Mekhliganj	03584-255275

ACMOH	DESIGNATION	LANDLINE NO.	MOBILE NO.
	ACMOH, SADAR	03582-230519	9836144980
	ACMOH, DINHATA	03581-255002	7602198540
	ACMOH, TUFANGANJ	03582-244775	9434184795
	ACMOH, MATHABHANGA	03583-255230	9932389884
	ACMOH, MEKHLIGANJ	03584-255275	9434450367

BMOH	DESIGNATION	LANDLINE NO.	MOBILE NO.
	BMOH, DEWANHAT	03582-252343	8597592427
	BMOH, PUNDIBARI	03582-270237	9434230897
	BMOH, NATABARI	03582-268106	8972050757
	BMOH, BOXIRHAT	03582-263223	9434367265
	BMOH, GOSANIMARI	03581-241254	9434689710
	BMOH, BAMANHAT	03581-253239	9933643754
	BMOH, SITAI	03581-285243	9679314089
	BMOH, SITALKUCHI	03581-263227	9804510780
	BMOH, MATHABHANGA-I	03583-255261	9851589225
	BMOH, GHOKSHADANGA	03583-262230	9609837243
	BMOH, CHANGRABANDHA	03584-244400	7278787967
	BMOH, HALDIBARI	03561-263246	9474960946

Hospitals Phone-nos.

Sl. No.	Name of the Hospital	Contact No
01	M J N Hospital (District Hospital)	03582 – 222243/228779
02	Cooch Behar Jail Hospital	03582 - 222206
03	Cooch Behar Police Hospital	03582 - 227648
04	Cooch Behar Rail Hospital	03582 - 232280
04	Regional Cancer Centre	03582 – 222526
05	J D Hospital	03582 – 240440
06	Dinhata Sub. Divisional Hospital	03581- 255002/ 256002
07	Mathabhanga Sub. Divn. Hospital	03583- 255261
08	Mekhliganj Sub. Divin. Hospital	03584- 255234/ 255275
09	Tufanganj Sub. Divin. Hospital	03582- 244242/ 244775
10	Haldibari Gramin Sub. Divin. Hospital	03584- 263246
11	BLOOD BANK - M.J.N. Hospital	03582 – 222243/228779
12	Ambulance - St. John Ambulance Association	03582 - 222742
13	Ambulance -Indian Red Cross	03582 - 224540

AMBULANCE SERVICE

Sl. No.	PROVIDER	PHONE NUMBER
1	COOCH BEHAR CANCER CENTRE:	03582-222525
2	COOCH BEHAR MUNICIPALITY	03582-222024
3	COOCH BEHAR SATHKAR SAMITY	03582-223468
4	COOCH BEHAR M.J.N. HOSPITAL	03582-222243
5	SHEELA NURSING HOME	03582-223704
6	ST. JOHN AMBULANCE ASSOCIATION	03582-222742
7	COOCH BEHAR LIONS CLUB	03582-227497

INFORMATION & CULTURE

DESIGNATION	MOBILE NO.
District Information & Cultural Officer	9433479352

3.3 CIVIL DEFENCE

Civil Defence: Civil Defence is an integral part of the Disaster Mitigation plan. They play a major role in rescue operation. The Civil Defence Volunteers have been given training in different occasions in rescue operation. They have been trained on modern rescue equipments as Quick Response teams (QRT). The brief highlights of the arrangements of Civil Defence:

- **Three** rescue vehicles fitted with the modern equipments are at the disposal of the District.
- Like the previous year INF Boat and OBMs with modern accessories will be stationed to meet with any exigencies at **Twelve** strategic locations, one for each Block.
-

The list of strategic locations:

Sl. No.	Name of the strategic location
1	Mathabhanga I Development Block
2	Mathabhanga II Development Block
3	Dinhata SDO Office
4	Tufanganj I Development Block
5	Tufanganj II Development Block
6	Cooch Behar II Development Block
7	Mekhliganj SDO Office
8	Haldibari Development Block
9	District Head Quarter

- The Civil Defence Volunteers have been trained in different occasion from all over the District in order to respond to any kind of eventuality. The Sub-division wise figure is given below:

Sl. No.	Name of the Sub-division	No. of QRT trained CDV	No. of trained CDV(Aquatic)	Total
1.	Sadar	27	17	44
2.	Dinhata	16	14	30
3.	Mathabhanga	7	13	20
4.	Tufanganj	1	8	9
5.	Mekhliganj	1	10	11
Total		52	62	114

Particulars of Officer-in-charges :

Sl No.	Name	Designation	Contact No.
1	Umasankar Das, WBCS (EXE.)	Officer- In Charge	8373082125
2	Manojit Das	Sr. SOI In-charge	9073936731

COOCH BEAHR SUB-DIVISION	SL. NO	NAME OF THE VOLUNTEERS	MOBILE NUMBER	SL. NO.	NAME OF THE VOLUNTEERS	MOBILE NUMBER
	1	Subhankar Ball	9851136812	15	Sanjoy Bhowmic	8101245569
	2	Utpal Kumar Das	9749498058	16	Nitish Roy	8927766926
	3	Souvik Banik	9832751100	17	Hasinur Hossain	9635155530
	4	Samrat Banik	9475246404	18	Safikul Hossain	8101888384
	5	Julfikar Rahaman	9647537648	19	Sobhan Roy	9800333325
	6	Saptam Barman	9641454561	20	Satyajit Roy Sinha	8927296166
	7	Subha Dey Sarkar	9563667272	21	M. D. Nizamuddin	8016593487
	8	Tupai Nandi	9126012048	22	Rowsan Ali	8972981618
	9	Tahidul Haque	8967924700	23	Murshid Alam	8670733018
	10	Ashraful Haque	9593806622	24	Mrinal Kanti Roy	8388870024
	11	Dipanjan Das	9832614328	25	Muna Nag	8927355834
	12	Abhijit Das	9641328679	26	Rezaul Karim	9002774423
	13	Biplab Kr. Barman	9851592939	27	Namita Barman	9800155236
	14	Mrinal Kanti Roy	8001580551			

DEFENCE QUICK RESPONSE TEAM VOLUNTEERS.

DINHATA SUB-DIVISION	SL. NO	NAME OF THE VOLUNTEERS	MOBILE NUMBER	SL. NO.	NAME OF THE VOLUNTEERS	MOBILE NUMBER
	28	Raben Das	9749379002	36	Ujjal Das	9475088808
	29	Sanatan Barman	9547452533	37	Subhankar Mitra	9749856149
	30	Narayan C.Barman	9002566737	38	Milan Sarkar	9635164613
	31	Kaushik Rahaman	9749848332	39	Mantosh Mandal	9641343027
	32	Mithun Roy	9635915709	40	Ripan Ghosh	9800030486
	33	Tapan Barman	9614845436	41	Jakir Hossain	9547159338
	34	Kanak Barman	8101395638	42	Suman Ghosh	8653175260
	35	Mukul Debnath	9735058465	43	Amit Das	9749676710

TUFANGANJ SUB-DIVISION	SL. NO	NAME OF THE VOLUNTEERS	MOBILE NUMBER
	44	Manas Saha	9749337602

MEKHLIGANJ SUB-DIVISION	SL. NO.	NAME OF THE VOLUNTEERS	MOBILE NUMBER
	45	Manash Mandal	9547808896

MATHABHAN GA SUB-DIVISION	SL. NO	NAME OF THE VOLUNTEERS	MOBILE NUMBER	SL. NO.	NAME OF THE VOLUNTEERS	MOBILE NUMBER
	46	Swarup Dhar	9563006378	50	Mohan Sarkar	9733727743
	47	Amit Kanti Tarafdar	8436790552	51	Divakar Barman	95478668313
	48	Mahadeb Lal	9641909449	52	Samir Barman	8967030832
	49	Prasenjit Talukdar	9851239612			

List of Volunteers Trained in Aquatic Training

SUB DIVISION	SL. NO.	NAME	CONTACT. NO.
COOCH BEHAR SADAR	1	BIPLAB DAS	9232311956
	2	KALYAN DATTA	
	3	SWAMAJIT CHAKRABORTY	9641616113
	4	ABUL KALAM AZAD	9733343871
	5	FEROZ HOSSIN	9593817283
	6	ABUBAKKAR SAHEK	9641176613
	7	HUMAYAN RASHID	9775474039
	8	MONSUR ALI	8670555735
	9	MANOJ DEBNATH	9735092135
	10	SAFIKUL ALAM	9733059977
	11	SHYAMAL CHANDRA	9749061249
	12	TANMOY MISRA	8436646461
	13	AMAL BARMAN	8101111509
	14	JAYANTA SINGHA	9734038988
	15	YAQUB ALI	
	16	ASHRAFUL HAQUE	9593806622
	17	Biplab Kr. Barman	9851592939
MEKHLIGANJ Sub-Div	18	BINAY KR. ROY	9635801506
	19	DULAL CH. ROY	9933807422
	20	BASUDEB SARKAR	8670699829
	21	MANGAL RANGADER	9800668763
	22	DILIP BARMAN	9002982958
	23	BHUPENDRA NATH ROY	9002709119
	24	DHARANI ROY	8101899261
	25	RAMA NATH ROY	9535366965
	26	BABLU ROY	8670369492
	27	NARAYAN CH. ROY	9547730075
TUFA NGAN J SUB- DIV	28	GAUTAM MUSTAFI	
	29	SAHIDUL ISLAM	
	30	MINTU BARMAN	

MATHABHANGA SUB-DIV	31	DIMANDEB BARMAN	
	32	NURHOSSAIN MIAH	
	33	ANICHUR HAQUE BAPPRI	
	34	RAMJIT ROY	
	35	KHIJEN BARMAN	
	36	MITUNJOY BARMAN	9749351307
	37	SAMIR BARMAN	8509349269
	38	DIBAKAR BARMAN	9547868313
	39	SAMIR DEBNATH	
	40	MOHON SARKAR	9046387701
	41	SUBHAS HALDER	7797828719
	42	SANJIB SAHA	7679861425
	43	ANIZ HOSSAIN	9799864672
	44	PARITOSH BARMAN	8972084109
	45	DIPAK JADAV	8906667549
	46	PABITRA BARMAN	
	47	KAMALASH ROY	
	48	KANCHIN SHIL	

DINHATA SUB-DIV	49	AMIT GUHA MAJUMDAR	9832346632
	50	SWAPAN KUMAR BARMAN	9679131176
	51	BIPUL SHARMA	9614551765
	52	MILAN SARKAR	9635164613
	53	SUSHANTA ROY	9679131176
	54	KRISHNA SAHA	9832548004
	55	KARUNA KANTA ROY	9748859221
	56	BHABANI BARMAN	9593343835
	57	TAPAN BARMAN	9614845436
	58	MITHUN ROY	956311531/963591 5709
	59	KANAK BARMAN	8101395638
	60	KOUSHIK RAHAMAN	9749848332
	61	RABEN DAS	9749379002
	62	JAKIRHOSSIN	9933752770

3.4 COOCH BEHAR IRRIGATION DIVISION

TELEPHONE / MOBILE NOS. OF OFFICERS
FLOOD CONTROL ROOM NO. - 03582 - 229114,

SL. NO.	NAME OF OFFICER	DESIGNATION	CONTACT NO.	REMARKS.
1.	ABHIJIT SIKDAR	EXECUTIVE ENGINEER , COOCHBEHAR IRRIGATION DIVISION	03582- 2282305 (O) 9434150804 (M)	IN ABSENCE OF E.E. CONTACT TO BE MADE TO.A.E. / S.D.O. COOCH BEHAR IRRIGATION / INVESTIGATION SUB- DIVN.

4 NOS. SUB - DIVN. UNDER COOCHBEHAR IRRIGATION DIVISION AS DETAILS BELOW.

A.

SL. NO.	NAME OF OFFICER	DESIGNATION	CONTACT NO.	BLOCK COVERED
1.	JAYANTA KUMAR BHOWMIK	A.E. / S.D.O. COOCHBEHAR IRRIGATION SUB-DIVISION.	03582 - 227338 (O) 9474331850 (M)	COOCHBEHAR - I & II DINHATA -I MATHABHANGA II, SITALKUCHI, SITAI

SL. NO.	NAME OF OFFICER	DESIGNATION	CONTACT NO	BLOCK COVERED
1.	JAYANTA KUMAR BHOWMIK	A.E. / S.D.O. COOCHBEHAR INVESTIGATION SUB-DIVN-I	03582 - 228451 (0) 9474331850 (M)	COOCHBEHAR -I & II TUFANGANJ-I, DINHATA – II

SL. NO.	NAME OF OFFICER	DESIGNATION	CONTACT NO.	BLOCK COVERED
1.	BISWAJIT DEB	A.E. / S.D.O. TUFANGANJ IRRIGATION SUB-DIVN.	03582 - 224260 (0) 9434242251 (M)	TUFANGANJ – I & II, MUNNICIPALITY

SL. NO.	NAME OF OFFICER	DESIGNATION	CONTACT NO.	BLOCK COVERED
1.	SUBHAS BANDHU BHATTACHARYA	A.E. / S.D.O. MATHABHANGA IRRIGATION SUB-DIVN.	03583- 255065 (O) 9434050040 (M)	SITAI , SITALKUCHI,, MATHABHANGA-I & II

NBSTC

SI	MANAGING DIRECTOR	Phone: 03582-222570 FAX : 03582-223635, EMAIL :info@nbstc.in
1	DIVISIONAL MANAGER, COOCH BEHAR	03582-22681 8900657646

PANCHAYATI RAJ INSTITUTIONS COOCH BEHAR I BLOCK

Designation	Name	Mobile
SABHAPATI, COOCH BEHAR-I P. SAMITI	Chandrakanta Roy	9933737785
CHANDAMRI, Pradhan	JIARU BARMAN	8327224246
CHILKIRHAT, Pradhan	DINOBALA ROY	9593893376
DAWAGURI, Pradhan	BUKU KARJEE	9932995431
DEWANHAT, Pradhan	LIPIKA BHOWMIK (ROY)	9800994397 8695359978
FALIMARI, Pradhan	BASUDEB SARKAR	9800656694
GHUGHUMARI, Pradhan	MARJINA BIBI (KHATUN)	9382908695
GURIAHATI – I, Pradhan	BABLY SARKAR	7407362855
GURIAHATI – II, Pradhan	KAMAL CHANDRA DE	9333408957
HARIBHANGA, Pradhan	JAHANGIR ALAM	8372891288
JIRANPUR, Pradhan	SUJATA DAS	9679420987
MOAMARI, Pradhan	NOOR - E - YEASMIN	8670073877
PANISALA	MANJU BARMAN (KARJEE)	9832888366
PATCHHARA	ANJALI BARMAN	6294751291
PUTIMARI FULESWARI	ALONA EYSMIN	9732321578
SUKTABARI, Pradhan	MAJIUL HOQUE	9735059784

COOCH BEHAR II BLOCK

Designation	Office No	Mobile
Pradhan, Patlakhawa G.P	03582-272004	8436942952
Pradhan, Barorangrash G.P	03582-279785	8967757447
Pradhan, M/Kholta G.P	03582-279734	9679475954
Pradhan, Ambari G.P	03582-242253	9733250964
Pradhan, D.D. Guri G.P	03582-270253	9002322173
Pradhan, Pundibari G.P	03582-270235	9434814932

Pradhan,Madhupur G.P	03582-270263	8116741876
Pradhan,Chakchaka G.P	03582-258380	9933548465
Pradhan,Baneswar G.P	03582-242201	9475505413
Pradhan,Khagrabari G.P	03582-240156	7431964017
Pradhan,T/Rajarhat G.P	03582-250048	9775974209
Pradhan,Gopalpur G.P	03582-279645	8972631195
Pradhan,Khapaidanga G.P	03582-236012	9775865109
Pradhan,Patlakhawa G.P	03582-272004	8436942952

Tufanganj-II Block

Name of GP	Name of Sabhapati/Prodhan	Contact No.
Sabhapati	Smt. Kalpana Singha (Barman) ,	9851749358
Barokodali-I	MANORAMA BARMAN	9733230202
Barokodali-II	SEFALI BARMA	9679279067
Bhanukumari-I	SOMA BAGCHI	9434690114
Bhanukumari-II	BIDYA DAS	8016222183
Falimari	BILWAMANGAL SAHA	9002678747
Mahishkuchi-II	BIPUL BARMAN	6294240665
Mahishkuchi-I	AKHIL BARMAN	9593813047
Rampur-I	MALATI BARMAN	9609040723
Rampur-II	PINKU CHAKRABORTY	9932634148
Salbari-I	NIBARAN CHANDRA MANDAL	8016434769
Salbari-II	SAMIR BARAN RAVA	6295964914

Tufanganj-I Panchayat Samity and Prodhan of the Gram Panchayat with their Mobile Nos.

Sl.No.	Name of the Sabhapati/ Saha – Sabhapati / Karmadhyakshya/ Prodhan of the Gram Panchayat	Mobile No.	Name of the PS/ Gram Panchayat
1	Parbati Barman	9333456873	Sabhapati , Tufanganj-I P.S
2	Chhamiul Islam	9679094024	Saha-Sabhapati,Tufanganj-I P.S.
3	Sahera Banu	7797942883	Karmadhyakshya (Shisu-O-Nari Unnayan,Janakalyan-O-Tran Sthayee Samity) Tufanganj-I P.S.

4	Rajkanta Barma	9932099003	Andaran Fulbari-I
5	Manindra Nath Mandal	9800028844	Andaran Fulbari-II
6	Kabita Das	8906152461	Dhalpal-I
7	Goutami Das	9679407156	Dhalpal-II
8	Adhir Ch. Das	9800785407	Natabari-I
9	Subhasini Roy	8967964605	Natabari-II
10	Matilal Das	9679378151	Chilakhana-I
11	Susmita Roy Mondal	8145043942	Chilakhana-II
12	Dharani Karjee	9679417243	Maruganj
13	Anupama Biswas Roy	9635626509	Deocharai
14	Sachindra Nath Barman	9933433838	Nakkatiogachh
15	Minati Barman	9002255530	Balabhut
16	Kumar Nirendra Narayan	9735947381	Balarampur-I
17	Suchitra Das	8967181949	Balarampur-II

HALDIBARI PS

Sl No.	Name and Designation of Panchayat Samiti / G.P	Contact No.
1	Smt.Nupur Barman, Savapati (P.S)	9564415911
2	Smt.Swarnalata Mallick (Das) Prodhan(Boxiganj G.P)	8670687326
3	Smt. Juhilika Majumder Prodhan (Uttar Bara Haldiubari G.P)	9002887664
4	Shri Madan Sarkar, Prodhan (Dakshin Bara Haldibari G.P)	7479223600
5	Smt. Jharna Roy Basuniya , Prodhan (Dewanganj G.P)	9732838755
6	Smt. Chumki Roy (Sen),Prodhan (Per-Mekhliganj G.P)	8016696772
7	Smt. Pratham Roy,Prodhan (Hemkumari G.P)	7586859005

SITAI PANCHAYET SAMITI

Sl No.	Name	Designation	Contact No.
1	Smt. Sangita Ray	Savapathi, SitaiPanchayat Samity	9932650054
2	Smt.Mukti Barma Basuniya	Pradhan , Adabari G.P	9932650054
3	Smt. Sumitra Barman	Pradhan, Br.Chatra G.P	7364092290
4	Smt.Kusum Barman	Pradhan , Sitai-II G.P	8158034646
5	Smt.Tapoti Barman	Pradhan , Sitai I G.P	8670614418
6	Sri.Swapan Kr. Das	Pradhan , Chamta G.P	9832065260

Dinhata-II

Sl. No.	Name of Panchayat	Name of Panchayat Pradhan	Mobile Number where lightning alters will be sent
1	Bamanhat-I	Dipak Bhattacharjee	9800461734
2	Bamanhat-II	Santwana Barman	9002678298
3	Barasakdal	Tapas Das	8016112698
4	Burirhat-I	Niranjan Barman	8016438831
5	Burirhat-II	Susanta Barman	8972002010
6	Kisamat Dasgram	Manmohan Roy	8145504964
7	Gobrachhara Nayarhat	Mamtaj Begam	9933384938
8	Sahebganj	Kahinur Khatun Bibi	7407096260
9	Nazirhat-I	Rehana Sultana	8116591797
10	Nazirhat-II	Papiya Roy Barman	8436312347
11	Chowdhurihat	Chabi Barman	9679373795
12	Sukarurkuthi	Bishnu Sarkar	9635879011

MATHABHANGA- II BLOCK			
SL.NO	G.P.Name	Pradhan Name	Mobile No.
1	FULBARI	DHANANJAY ADHIKARY	8670029329
2	Barasoulmari	MAHADEB BISWAS	8245573464
3	Latapota	BINODA BARMAN	8695376007
4	GHOKSADANGA	DIPTI BARMAN	9547562070
5	Ruidanga	HARIMOHAN BARMAN	9609826427
6	A.K.Paradubi	ASHOK BARMAN	9733409401
7	Unishbisha	MANOJA BIBI	7602438115
8	Premerdanga	KALPANA BARMAN	9002548196
9	Nishiganj-II	Pradhan MEETING ADJOURNED	NIL
10	Nishiganj-I	NIRANJAN DAS	9733099284

SITALKUCHI PANCHAYAT SAMITI

Name of GP	Pradhan name	Mobile No.
01 Sitalkuchi	Tapati Roy	8016633483
02 Khalisamari	Krishna Barman	9679175382
03 Lalbazar	Lipika Khatun Bibi	8016212674
04 Chhotosalbari	Anowara Bibi	8670333385
05 Bhawairthana	Amal Barman	9800931555
06 Gossairhat	Madan Barman	9002153017
07 Barakaimari	Moumita Roy	9775124966
08 Golenowhati	Gayetri Barman	9933191799

Mekhliganj Panchayat Samiti

Name of Panchayat	Name of Panchayat Pradhan	Mobile Number
JAMALDAHA	GITA BARMAN	8116813876
UCHALPUKURI	KALIMAN BARMAN	9933063321
RANIRHAT	FULESWAR ROY	8967092011
CHANGRABANDHA	SABITA BISWAS	8670579696
BHOTBARI	MRITYUNJOY SINGHA SARKAR	9547830073
NIZTARAF	SUNIL ROY	8207282566
BAGDOKRA-FULKADABRI	KOYEL ROY ADHIKARY	8016821436
KUCHLIBARI	JAYSHRI ROY	8972876767

PHE

DESIGNATION	LANDLINE NO.	MOBILE NO.
EXECUTIVE ENGINEER, PHE, COOCH BEHAR	03582-223005	9474766717
EXECUTIVE ENGINEER, PHE, NORTHERN MECHANICAL DIVISION	-	98314 16619
ASSISTANT ENGINEER (RWS) Sub division		8637823669
ASSISTANT ENGINEER (HQ)	03582-223004	9609184110
ASSISTANT ENGINEER, MTB	03583-255369	8250308109
ASSISTANT ENGINEER (Tufanganj)	03582-244658	9153754132
ASSISTANT ENGINEER, Cooch Behar Sadar, Sub-division.	03582-223108	9800951289
ASSISTANT ENGINEER, Cooch Behar Mechanical Sub-division.	03582-222680	8170913648

POLICE

SL NO.	DESIGNATION	OFFICE	Mob. No.
1	Superintendent of Police	03582-227632 (O)/ 03582-227632 (R)	9083272900
2	Additional Superintendent of Police	03582-227643 (O)/ 03582-227342 (R)	9083272901
3	District Crime Records Bureau	03582-231271	9434112839
4	Superintendent of Police, DIB	03582-227661	9083272900
5	Superintendent of Police, DEB	03582-227887	9083272900
6	Dy. Superintendent of Police.(HQR)	03582-227831	9083272906
7	Dy Superintendent of Police (Border)	03582-227627	
8	Dy Superintendent of Police (Traffic)		9083272921
9	D.I.O. (I)	03582-227661	9083272937
10	Inspector, MTF	03582-227661	
11	C.I. Sadar	03582-244585	9083272913
12	C.I. Mathabhanga	03582-255295	9083272912
13	C.I. Mekhliganj	03584-255242	9083272911
14	R.I. of Police	03582-227648/227800	9083272938

SUB-DIVISIONAL POLICE OFFICERS

DESIGNATION	OFFICE	MOBILE NO.
SDPO, TUFANGANJ	03582-244044	9083272903
SDPO, DINHATA	03581-227800	9083272904
SDPO, MATHABHANGA	03583-255201	9083272902
SDPO, MEKHLIGANJ	03584-255201	9083272905

POLICE STATION

SL NO	POLICE STATION	TOTAL AREA(SQ K.M.)	NO. OF G.P.	OFFICE PHONE NO	Mobile no.
1	KOTWALI	747.47	28	03582-228100	9083272915
2	DINHATA	514	28	03584-255004	9083272917
3	MATHABHANGA	322.86	14	03583-255233	9083272919
4	HALDIBARI	152.38	6	03561-263239	9083272920
5	SITAI	156.82	5	03583-245230	9083272918
6	TUFANGANJ	320.75	14	03582-244230	9083272923
7	BOXIRHAT	257.22	11	03582-263630	9083272924
8	MEKHLIGANJ	292.14	8	03584-255224	9083272927
9	GHOKSADANGA	156.92	6	03583-262233	9083272926
10	SITALKUCHI	261.79	8	03583-263240	9083272925
11	KUCHLIBARI	41.17	2	03584-251223	9083272928
12	PUNDIBARI		13		9083272931
13	SAHEBGANJ		12		9083272932
14	WOMEN P.S., SADAR		28		9083272929
15	WOMEN P.S., DINHATA		28		9083272910

POLICE CONTROL ROOM : Tel No. 03582-227800, mob. No. 9083272939 (O/C)
Tel No. 03582-227781, (Office)

POST & TELEGRAPH

Cooch Behar Head Post Office : 03582 - 225895
 Telegraph Office : 03582 - 222844

PWD

DESIGNATION	LANDLINE NO.	MOBILE NO.
Executive Engineer, PWD, Cooch Behar	03582-222283	
Executive Engineer, PWD, Torsha Bridge Construction Division.	03582-222536	
Executive Engineer PWD, Electrical, cooch Behar	03582-222488/222255	
Executive Engineer PWD, Social Sector, Cooch Behar	03582-224045	
Executive Engineer, PWD, Cooch Behar Highway Division	03582-222242	

RAILWAY

DESIGNATION	LAND LINE NUMBER
DRM, N.F. Railway, Alipurduar Division	03564-255273/255310
ADRM, N.F. Railway, Alipurduar Division	03564-255683/255359
DCM, N.F. Railway, Alipurduar Division	03564-255089/255886

SCHOOL EDUCATION (PRIMARY)

Designation	Landline No	Mobile No
District Inspector of Schools, Primary Education	03582-222526	7908110396

Sub Inspector of Schools	Circle	Landline No	Mobile No
	SADAR-III	03582-231512	9933771384
	SADAR-IV	03582-252012	9933771385
	SATMILE	03582-235205	9143458599
	BANESWAR	03582242539	9932807172
	KHAGRABARI	03582-250388	9933702657
	PUNDIBARI	03582-270170	9933702657
	TUFANGANJ-I	03582-266290	8001221862
	TUFANGANJ-II	03582-246065	8001221862
	BOXIRHAT	03582-263088	8972271387
	RAMPUR	-	9547937944
	DINHATA INTENSIVE	03581-255010	8972359216
	DINHATA-II	03581-241386	8972359217
	DINHATA-WEST	03581-246644	8972359216
	DINHATA-I	03581-258513	9153170525
	DINHATA-III	03581-244307	8972271387
	BAMANHAT	03581-253706	8972271387
	SITAI	03581-245345	9153170525
	MATHABHANGA-I	03583-256529	9933702657
	MATHABHANGA-III	03583-253035	9434120132
	MATHABHANGA-II	03583-256529	9143458599
	MATHABHANGA-IV	03583-260056	8101314724
	SITALKUCHI	03583-263632	9832482626
	SITALKUCHI EAST	03583-263631	9832482626
	MEKHLIGANJ V	03584-244062	9593740087
	HALDIBARI	03561-263616	9475248083

SCHOOL EDUCATION (SECONDARY)

Designation	Landline No	Mobile No
District Inspector of Schools, Secondary Education	03582-227766	9434151266
Assistant Inspector of Schools, Cooch Behar, Sadar	03582-222650	9002906763
Assistant Inspector of Schools, Mathabhangha	03583-257237	9474628632
Assistant Inspector of Schools, Dinhata	03581-259368	9832011950
Assistant Inspector of Schools, Tufanganj	03582-246680	9434082993
Assistant Inspector of Schools, Mekhliganj (In-Charge)	03584-255531	9474628632

Type of trade	Contact person & address	Contact no.
House building materials	Jila Babosaye, Samiti, Secretary-Raju Baidya	9434126609
	Jila Babosaye, Samiti, Secretary-Bimal Saha	9434338269
	Cooch Behar Stores, NN Road, Nearby SBI Bank	
Groceries	M/S Ramnibash Panda, B/S Road, Gowlapatti, Cooch Behar	229740
Medicine Shop Tents and Tarpaulins	Bengal chemist & Druggist Association, Sec. Rathin Pathak	9832361602
	Plastic & HPCL Down stream (7 units) Chakchaka, Cooch Behar	-
	B.B. Choudhury Ply Wood Industries Jayanta Choudhury	9434240294

	Mahaveer Plastic Industries Anjay kr. Bthra.	9434484142
	SB Plywood Industries Ashis Jnaswar	9434136622
	Tirupati Plywood Industries, Chakchaka	
	SA Plywood Industries Chakchaka	
	Radha Mohon Ply Wood Industries Nitai Pada Saha	9434483212
	Mahaveer plastic Industries –Anjay kr. Bthra	9434484142
	Reliable Plastic-Ajay Deb	9434228407

TRANSPORT OWNERS

Rice Mill	RM Agrotech Product Pvt.Ltd. Prop-Ashis Malakar Chitikibari, Nishiganj, Cooch Behar	9434072425
	Madan Mahan Rice Mill ,Pvt. Ltd Prop-Bharat Agrwal Industrial Groowth Centre,Chakchaka Centre.	7797902185
	Maha Laxmi Mini Rice Mill-prop-Shibu Ghosh,Sonari,Cooch Behar	9434685198
	Alok Jhari Mini Rice Mill,Prop-Paritosh Saha,Dinhata, Cooch Behar.	9832090415
	Srima Mini Modern Rice MillProp-Paritosh Kiran Choudhury, Bamanhat, Dinhata.	9434405260
	Baba Huzur Mini Rice Mill, Sirajul Haque, Tufanganj-I	9434411533
	J.P. Rice Mill-Jiban Ch. Paul,Cooch Behar-II	9832342758
	B.T. Rice Mill Kamal Roy, Cooch Behar-II	9832451588
	Deb Rice Mill –Subir Ch. Das, Dinhata-II	9733434599
	Sree Maa Rice Mill Sujay Deb, Dinhata-II	8101097266
	Shiva Klali Rice Mill,, Rakesh Goyal, Mekliganj	9434154754
	Dooars Rice Mill, Ashok Bhararia, Mekliganj	9932271787
	Uma Rice Mill, Parameswar Ruj, Cooch Behar-I	9434688606
	Dutta Rice Mill, Smt. Alo Dutta, Tufanganj-I	9933191131
	M.S. Agrootech Product Pvt. Ltd.Brij Mohan Agarwal, Tufanganj-I	9434019744

Type of vehicles	Contact person and address	Government/ Private	Contact	Remarks
Bus	Bus Owner's Samity	Private	03582-222240	
	North Bengal State Transport Corporation	Govt.	03582-223549	
	Jila Baboswai Samiti-I Sec. Raju Baidya	Private	9434126609	
	Jila Baboswai Samiti-2 Sec.- Bimal Saha	Private	9434338269	
Truck/ Minibus	Truck Oweners Samity.	Private	9749311496	
Motor Boat	SH Ashok Kumar DIG BSF	Government	9434059910	
	SH VP Badola, Commandant, BSF, ,Talliguri.	Government	9434756027	
	SH Anil Kumar Thakur, Commandant, BSF, Gopalpur	Government	9434756023	
	SH Manjinder Singh, Commandant BSF,Sonari	Government	9434756025	
Country Boat	Takagachh Jalpath Samabay Samity	Private		
	Raidak Ullarghat Jalapath Parivaban Samity, TFNG 2,	Private		

WBSEDCL, Cooch Behar Division**PHONE NUMBER OF OFFICERS OF COOCH BEHAR DIVISIONAL OFFICE:**

Sl No	Designation	Mobile No
1	DE & Divisional Manager	7449301418
2	Division Office —D. E. (E)	7449301429
3	Division Office --A.E. (TEC)	7449301431
4	Division Office --A.E. (TEC)	7449301424

Sl No	Name of the Customer Care Centre(CCC)	Mobile No
1	Station Manager, Cooch Behar CCC	7449301426
2	Station Manager, Khagrabari CCC	7449301423
3	Station Manager, New Town CCC	7449301422
4	Station Manager, Tufanganj CCC	7449301425
5	Station Manager, Boxirhat,CCC	7449301427
6	Station Manager, Mathabhanga CCC	
7	Station Manager, Sitalkuchi CCC	
8	Station Manager, Sitai CCC	
9	Station Manager, Dinhata-I CCC	7449301424
10	Station Manager, Dinhata-II CCC	7449301432

PHONE NUMBERS OF 33/11 KV SUB-STATION:

SL. NO.	NAME OF THE SUB-STATIONS	CONTACT NUMBER
1	COOCHBEHAR33/11KV	03582 250-297
2	BALARAMPUR 33/11KV	03582 255-400
3	GHUGUMARI 33/11KV	03582 274-427
4	BAXIRHAT 33/11KV	03582 263-322
5	TUFANGANJ 33/11KV	03582 244-225
6	CHAKCHAKA 33/11KV	03582 258-119
7	DINHATA 33/11KV	03581 255-193
8	MATHABHANGA 33/11KV	03583 255-277
9	SITALKUCHI 33/11KV	03583 263-448
10	BHOGRAMGURI 33/11KV	03583-288-867
11	AKRARHAT 33/11KV	03583 266-135
12	SITAI 33/11KV	03583 245-685
13	BAMANHAT 33/11 KV	9641416135

ZILLA PARISHAD, COOCH BEHAR

DESIGNATION	CONTACT DETAILS			
	OFFICE	RESIDENCE	MOBILE NO.	E-MAIL ID
SABHADHIPATI	03582-222486	03582-222428	9474499645 9932904109	puspitadakua@gmail.com
A.E.O., ZILLA PARISHAD	03582-222527	03582-227567	8373082103	aeo.cbr@gmail.com
SECRETARY	03582-222550	Nil	9434022551	secyzp-cbr@nic.in
DISTRICT ENGINEER	03582-223634	Nil	9433314698	
EXECUTIVE ENGINEER	03582-226366	NIL	9475958800	msubrata91@yahoo.com

CHAPTER 4:

PREVENTION AND MITIGATION MEASURES

MITIGATION PLAN

4.1 SECTOR WISE VULNERABILITY REDUCTION MEASURES :

Type/ of Sector	Sub sector	Mitigation measures	Department Concerned	Time Frame
Infrastructure Development	IEC activities	Wall writing, IEC on Hazard risk information	Disaster Management Dept.	Throughout the year.
	Road	Restoration of all damaged roads as identified	PWD/Zilla Parishad	Before the monsoon strikes
		PWD (Roads) will take care of approach roads towards specific areas assessed to be vulnerable. Gram Panchayat Pradhans are to take appropriate measures pertaining to their respective areas in matters of ensuring access to village roads especially in vulnerable areas. In this regard sustainability approach needs to be taken.	Irrigation. PWD (Roads) Gram Panchayat, Panchayat Samiti and Zilla Parishad	Before the monsoon strikes
	Embankment	Protection of Weak Bundhs as identified on the both sides of river from erosion	Irrigation Department	May-June
	Bridges	PWD (Roads) will take care of bridges and culverts towards specific areas assessed to be vulnerable. Gram Panchayat Pradhans are to take appropriate measures pertaining to their respective areas in matters of ensuring access to bridges and culverts especially in vulnerable areas.	PWD Gram Panchayat, Panchayat Samiti and Zilla Parishad	Before the monsoon strikes
	Safe Shelters	-A list of schools to be used as shelters will be available with the GP and Block administration along with the names and contact nos. of the nodal persons. Similarly number of victims who are likely to take shelter should be made available with the nodal teachers of the concerned schools. All nodal teachers to be included as members of the BDMC and GPDMC Meeting of the nodal teachers with block and panchayat officials will be conducted. Emergency Preparedness and Response plans of such schools will be prepared and shared with the Block Officials. Required nos of toilets, water points, cooking arrangements, ramps etc. will be in place much before the hazard. Students, teachers and parents teams will be formed for shelter management Specific duties will be allocated and check list will be prepared and made available to all concerned teams. -Do's & Don't's with important contact nos will be written in local language and put in prominent places. -Moreover other safe shelters should be constructed at high land, with good communication facility, Construction code should be followed	Gram Panchayat, Panchayat Samiti and Zilla Parishad & District Inspector of Schools/ Sub Inspector of Schools/Respective Head teachers	May-June

	Communication	<ul style="list-style-type: none"> -Telephone department will ensure and maintain uninterrupted communication system across the district, especially in vulnerable areas. -List of important telephone numbers will be made available to all concerned. -Solar Chargers with multiple charging facilities will be in place in sufficient nos. for charging the mobile phones. Police Wireless Set to be placed in all the PS and should be open for 24 hrs 	BSNL SDO BDO Panchayat Samity Police	Before the monsoon strikes
	Drinking water and sanitation	<p>Physical verification of the status of all the drinking water sources and community toilets</p> <p>Appropriate corrective measures will be taken based on the information, received by the verification team. Adequate water facility and distribution will be ensured in all villages by installing new PHE connections and tube wells.</p> <p>Awareness generation Campaign against open defecation will be done extensively under Nirmal Bangla Abhiyan.</p> <p>Identify the place for temporary toilets and bathing places for men and women separately.</p>	Health & Family Welfare Panchayat Samity Gram Panchayat Public Health Engineering NGOs	Before March

	Power	<ul style="list-style-type: none"> -Physical verification of the cables, transformers, street lights etc will be done and adequate corrective measures will be taken to avoid inconveniences during and post disaster periods. -Solar panels will be fitted to avoid darkness during power cut. -List of generators with telephone nos. of the contact persons will be made available with the concerned officials so that they can hire the services as and when required, or these generators can be put on stand by condition in the safe shelters. Arrangements of the fuel for Generators to be kept ready. 	West Bengal State Electricity Distribution Company Limited (WBSEDCL) WEBREDA	Before May-June
	Technology dissemination	<ul style="list-style-type: none"> -Project planners and managers will make informed choices about the most appropriate technologies for risk reduction in particular contexts. So called 'appropriate' or 'alternative' technologies are well accepted to local level application and community management. -Such technologies can use a range of materials that are easily obtained locally (such as stone, wood, earth), recycled materials and living trees and plants. -Active volunteers, villagers will be informed about the technology being taken up through different orientation programme and meetings. 	Disaster Management Department Panchayat Samity Gram Panchayat	Before May-June

Health	IEC activities	<p>IEC materials will be developed on Use of Halogen Tablets, how to prepare safe drinking water using Sodium Hypochlorite, safe use of bleaching powder, how to prepare ORS,</p> <p>-Do's and Don'ts of Sanitary habits, time and dosages of vaccines, how to identify poisonous and non-poisonous snakes bites, First Aid – use of bandages, CPR, etc issues on different materials for distribution amongst the mass.</p>	Health & FW Department, NGO	Before March
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Health	IEC activities	<p>Health and Family Welfare department will keep ready of sufficient quantum of bleaching powder, halogen tabs. BMOHs will arrange for medicine during and post flood situation</p>	Health & FW Department, NGO	Before March
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Animal Resource Development	Vaccination	Livestock Department, will take necessary steps to ensure stock in respect of cattle fodder as assessed and the VS will arrange for cattle vaccine etc. to combat flood situation. VS will also complete the cattle vaccination before heavy rainfall. Pradhans will disseminate the idea of cattle vaccination before monsoon.	Animal Resource Development Department	May-June
	Training	Arrangements of training for Local youths club members, Farmers, and members of SHGs to be made on the health related issues and vaccination, animal care and facilities available for insurance.	Health & Family Welfare, Animal Husbandry, GP, NGO	Throughout the year
Livelihood Sector	Awareness	The dissemination of information promptly and correctly is the prime focus of risk management. Vulnerable Communities need to know about the hazards and risks they may encounter and the measures they can take to mitigate and prepare for potential disasters. Without such knowledge, they cannot easily protect themselves. Development and disaster professionals also need to know about the views and priorities of the target vulnerable groups.		
		The aim of awareness / public education programme is to create what is often called a 'culture of safety', where awareness of risk and adoption of risk reduction measures are part of daily life. It is relatively easy to improve understanding of hazards and risks and how to deal with them, but harder to change people's behaviour so that they take up appropriate measures, individually or collectively.		

Livelihood Sector	Agriculture	<p>-Use of Bio- composed, bio- fertilizer, seed bank preparation, minimum use of chemical fertilizer, promotion of effective contingency crop planning to deal with year to year climate variations.</p> <p>-Promotion of effective crop diversification program including the use of hazard resistant crops, to deal with shifts in climate patterns.</p> <p>-Ensuring sustainable livelihoods in areas of recurrent climate risks by promoting supplementary income generation from off-farm (e.g. animal husbandry) and non-farm activities (e.g. handicrafts).</p> <p>-Promotion of effective insurance and credit schemes to compensate for agricultural related damage and losses to livelihoods due to natural.</p>	Agriculture Department	Throughout the Year
	Fishery	People engaged with fishing will be covered under mass awareness programme	Fisheries Department	Throughout the Year
		Communities will be imparted training on growing Ornamental fishes as an alternative livelihood programme	Fisheries Department	Throughout the Year
	Allied activities	<p>Disruption of electricity supply is the major impact in most of the vulnerable areas. Food & Supplies Department, will take all possible actions for a buffer stock of 4000 lts of Kerosene Oil.</p> <p>-Communities will be trained to have their Family Survival Kits ready</p>	Disaster Management Department, NGOs	May-June
	Horticulture	Saplings of good quality fruit bearing trees will be supplied to the villagers.	Horticulture & FPI Department	Seasonal

Insurance	IEC activities	IECs will be developed to generate awareness and educate people on the benefits of the insurance, different insurance schemes, how to apply, whom to contact, etc. A Hand Bill depicting the story of a vulnerable family having the similar experience and insurance coverage of their animals, crops and construction and how they were benefited after disaster strikes will be published.	Disaster Management Department, Insurance Companies	Throughout the Year
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	Infrastructure	-Insurance camps will be organized jointly by the Disaster Management Department, Insurance Companies and NGOs on the benefits of insuring buildings and other infrastructures, premiums to be paid, advantages and disadvantages of different schemes for the concerned families. -Special efforts will be there in SHG and FC trainings on insurance on the benefits of insuring buildings and other infrastructures.	Disaster Management Department, Insurance Companies, NGOs	Throughout the Year
	Livelihood	-Insurance camps will be organized jointly by the Disaster Management Department, Insurance Companies and NGOs on the benefits of insuring crops, animals and other essential equipments premiums to be paid, advantages and disadvantages of different schemes for the concerned families. -Special efforts will be there in SHG and FC trainings on insurance on the benefits of insuring buildings and other infrastructures on the benefits of insuring crops, animals and other essential equipments.	Disaster Management Department, Insurance Companies, NGOs, DRDC	Throughout the Year
	Life	-Insurance camps will be organized jointly by the Disaster Management Department, Insurance Companies and NGOs on the benefits of Life insurance, health insurance, accident insurance etc. premiums to be paid, advantages and disadvantages of different schemes for the concerned families. -Special efforts will be there in SHG and FC trainings on insurance on the benefits of insuring buildings and other infrastructures on the benefits of insuring crops, animals and other essential equipments.	Disaster Management Department, Insurance Companies, NGOs	Throughout the Year

CHAPTER 5:

PREPAREDNESS MEASURES

Planning is the one of the key elements in the Preparedness cycle. Preparedness cycle illustrates the way the plans are continuously evaluated and improved through a round of planning, organizing, training, equipping, exercising, evaluating and taking corrective actions.

1. **IRT:** As per NDMA's IRS guidelines which prescribe Incident Response Team (IRT) at District, Sub-Division, Tehsil and Block level should be constituted under the written directives of District Magistrate (DM). These teams will include experienced officers / employees at all levels and respond to all natural and man-made disasters. The lowest administrative unit (Sub-Division, Tehsil or Block) will be the first responder as the case may be. IRT at all levels will have same structure, i.e. IC supported with Operation, Planning and Logistic sections. The IRTs are to be pre-designated at all levels.
2. **District Emergency Operations Centre (DEOC):** District Emergency Operations Centre becomes a nodal point for overall coordination of planning and response. Its main duty is to ensure that the EOC facility has required communication (connecting all stakeholders vertically and horizontally), Decision support system, alert and warning system in working conditions.

EOC SOP

1. Emergency numbers existing for Police, Fire and Medical support etc. are linked to the EOC for response, command and control under an SOP. For e.g., if there is any fire incident, the information should not only reach the fire station but also the EOC and the nearest hospital to gear up the emergency medical service.
2. NGOs carry out their activities in an equitable and non-discriminatory manner. Set up wherever possible an NGO Coordination Centre.
3. Ensure that telephone directory of all ESF is prepared and available with EOC and members of IRTs.
4. Ensure that adequate exercises are conducted for testing the plan and gaps analyzed.
5. Outline plan to receive support from State and Central Government in a major disaster (e.g. helipads, evacuation, food distribution, medical support).

PREPAREDNESS OF LINE DEPARTMENT

5.01: AGRICULTURE

Introduction: - Coochbehar, the North Eastern district of West Bengal is situated between 26°57'40" N to 26°32'20" N and 88°47'40" to 89°54" E Latitude. The average rainfall varies from 3300 to 3400mm. Pre monsoon rainfall starts from March and it continues to October. During last year the pre monsoon cyclone affected the crops maize Jute, Maize and Boropaddy. The Cyclone normally hits the district within last week of March to April. Early and Late flood both are common in this district. In this situation the following precautionary measures are normally taken to combat the situation. However the actual compensation is provided by the Department after the damage is assessed.

Some salient features in relation to flood or flood-like situation arising in this district are furnished below:-

AGRICULTURE AT A GLANCE IN COOCH BEHAR DISTRICT.

1	Total geographical area	338700 HA
2	Net area shown	250611 HA
3	Cropping Intensity	209%
4	No. of Bargadars	85959 nos.
5	No of Patta Holders	141865 nos.
6	No. of small farmers	50748 nos
7	No of Marginal Farmers	249437 nos
8	Total area of Kharif crops	255000 HA
9	Flood area of different Sub divisions	Cooch Behar Sadar..15970 HA Dinhata 9995 HA Mathabhanga 10450 HA Mekhliganj- 5585 HA
10	Total Flood Prone Areas of Cooch Behar	42000 HA
11	Normal Rainfall	3344.6 mm
12	Rainfall during June to September (Average of last 5 years)	3600 mm

1) PREPAREDNESS FOR FLOOD CONTROL:-

	<u>PLAN TO COMBAT FLOOD/PRE MONSOON CYCLONE</u>
	<u>PLAN FOR PRE MONSOON CYCLE</u>
1	Distribution of Jute seed kit and urea if cyclone affected within April.
2	Distribution of Paddy seed kit for preparation of Paddy seed bed.
3	Distribution of vegetable seeds like Brinjal, Chillies may be done.
	<u>PLAN FOR EARLY FLOOD</u>
1	Raising of Community Nursery Seed Bed in Govt Farm(9 Nos of farm) x0.4 ha = 3.6 ha
2	Storing of short duration variety Paddy seed at govt farm & dealers end throughout the district.
3	Preparation of seed bed by DAPOG method.
4	Adoption of SRI method for Rice cultivation.
5	Adoption of closer spacing and use of more seedlings per hill.
6	Adoption of Double transplanting .

7	Adoption of Rice cultivation through DRUM SEEDER .
8	Storing of Paddy Straw in Govt. farms.
9	Day to day transmission of Rainfall data.
10	Recommendation of Crop Loan under KCC.
11	Ensure the crop insurance .
Distribution of following seed kit with fertiliser –	
i)	Paddy : 40000 @ 10 kg/kit
ii)	Black Gram(Kalai) : 5000 @ 4kg/kit
iii)	Urea/10:26:26 : 50000 @10 kg/kit
<u>PLAN FOR LATE FLOOD</u>	
Regular visit & reporting.	
Estimation of crop damage area & loss of production.	
Preparation of the list of affected farmers.	
Compensation through Rabi seed kits (need based) of following crops-	
i)	Mustard : 30000 @ 1kg/kit
ii)	Maize : 25000 @ 3kg/kit
iii)	Wheat : 8000 @ 4kg/kit
iv)	Lentil : 1000 @15kg/kit
v)	Ground nut : 5000 @ 4kg/kit
vi)	Black Gram (Kalai) : 1000 @ 4kg/kit
Compensation of food production through distribution of –	
i)	Urea : 50000 @ 10 kg/kit
ii)	NPK-10:26:26 : 48000 @ 10 kg/kit
iii)	Boro Paddy : 40000 @ 10 kg/kit
Recommendation to the Bankers for conversion of Short term crop loan to Long term.	
Reclamation of sand laden area by the Soil Conservation wing.	
Organisation of Farmers' training in flood affected areas.	

DRY SPELL CONDITION AND DROUGHT LIKE SITUATION.

- 1) In command area of minor irrigation project, life saving irrigation needs to be arranged in rational basis.
- 2) Recommendation to keep paddy field weed free both in irrigated and non-irrigated areas.
- 3) Field channels should be kept clean to avoid seepage losses of irrigation water.
- 4) Recommendation for storage of rain water required to irrigate the crop during critical period of growth.
- 5) Application of nitrogenous fertilizers to be avoided without irrigation availability.
- 6) As soon as rain received recommendation to apply nitrogenous fertilizer in the field to boost-up the Crops.
- 7) Recommendation to Bankers for crop loan under K.C.C during Rabi.
- 8) Prior intimation to the Agri-Mech.Agril-Irrigation and Minor irrigation Department to keep their Installation in running condition.
- 9) Adoption of SRI (System of Rice Intensification) method as it requires very low quantity of water .
- 10) To supply pump sets to make temporary irrigation installation in typically rainfed areas for life saving irrigation to the transplanted crops.
- 11) Distribution of fuels at subsidized rates to the affected farmers.
- 12) Preparation of Mouza-wari damage report and submission of day to day crop condition report to the higher authority.
- 13) Compensation through rabi seed kits (need based) of following Crop:-
MUSTARD, LENTIL, GROUNDNUT, MAIZE, WHEAT,KALAI, SESAMUM etc.

RAINFALL MONITORING UNDER METEOROLOGICAL OBSERVATORY

There are 9 Nos. of meteorological observatories to record daily meteorological data in different sub-division/block of this district for transmission to the competent authority.

5.02: ANIMAL RESOURCE DEVELOPMENT

ACTION PLAN FOR CONTROL OF NATURAL CALAMITY LIKE CYCLONE & FLOOD, FOR THE YEAR 2016-17

Livestock disasters are primarily due to the following of risks:-

- A) Natural Disaster:-** Flood Drought, Cyclone, earth quake etc.
- B) Infectious disaster :-** Zoonotic and non-zoonotic disease.
- C) Fodder scarcity/Fodder poisoning**
- D) Miscellaneous :-** Boarder Threat etc.

Considering the above risks the action plan may be grouped in three phases:-

- 1) Preparedness in anticipation
- 2) Immediate action
- 3) Post disaster action.

1) Preparedness in anticipation:-

- a) Training facilities are being conducted both for veterinarians and para-veterinarians twice in a year on the management of routine disease disaster along with other disaster (such as Bird flu, FMD, PPR Anthrax & other zoonotic. Non-zoonotic diseases along with risk management of Natural calamities. Feed & fodder scarcity /poisoning ,trans bound diseases etc.)
Capacity building training are being conducted through Block Level & District Level by the Expert veterinarians such as formation of RRT (Bird Flu) , panibandhu, village social workers P.R.I Bodies etc. (Awareness regarding temporary makeshift shelters at suitable place, avoid contaminated water, grains, feedstuffs, poisonous chemicals, buials of dead carcass for cleaning environment)
- b) The essential inputs like medicine, vaccine etc to save the affected livestock are being placed to the field units under B.L.D.O (s) for restoration of health works in the affected areas. Paddy straw & balneced cattle feed (like EPIC/HIMUL) are to be provided to the affected cattle.
- c) Shelter house development is the prime need based component for shelter of the affected livestock during disaster, such type of works should have to be developed by the P.S. in each of the Block or Highland should have to search out for restoration of the affected livestock on temporarily.

2) Immediate action on face of livestock disaster:-

- a) Opening of control room at District/Sub-division/Block Level.
- b) Assess the requirement of feed and fodder, medicines, vaccines and communicate the same to the Dist. H.Q. from Block and to the Directorate from Dist. H.Q. accordingly.
- c) In the face of the livestock disaster Animal Health Camps to be opened immediately at the affected area nearest the temporary shelters of Liestock with medicines and vaccines and assessments are to be made for loss.
- d) Information flow should be as follows:-
 - i) L.D.A of A.D.A.C → Veterinary Officer → B.L.D.O → B.D.O/Dist.H.Q
 - ii) Veterinary Officer → B.L.D.O. → B.D.O/Dist.H.Q.
 - iii) V.O. Dist. Vety Hospital → V.O. S.A.H.C → S.D.O./Dist.H.Q.
 - iv) Dist. H.Q → Sabhapati/D.M./D.A.H & V.S.

- e) Arrangements of need based relief materials for the affected Livestock with the help of local administration and panchayat (At Block Level only requisition for tarpaulin to be placed to BDO for making temporary shed for cattle affected by the BLDO)
- f) Intimation to remove carcasses and for technical guidance to the removal team of Civil Defence organization /Panchayat Bodies.
- g) Arrangement to be made from District Reserve store for supply of Life saving Drugs from the Stock of Reserve store to the affected area on the basis of demand.
- h) Trans boundary threats occur in the border areas of the district where major diseases like bird flu, FMD etc & other non-zoonotic diseases may cause considerable mortality or losses in the productivity. Both preparedness and action taken measures are of prime importance.
- i) Inter-departmental support i.e. B.S.F. Public Health Engineering Department, Agriculture, PRI-bodies etc may support in risk management during disasters.

3) **Post livestock disaster management:-**

4)

- i) Rehabilitation of affected livestock should be judiciously made by the way of restoring, and insurance etc.
- ii) Economic rehabilitation of affected Livestock farmers with small units of poultry, Goatery,
- iii) Piggery, Dairy with consultation of panchayat samity may be provided immediately after calamity.
- iv) Model Live stock scheme to be implemented in consultation with Panchayat.

**Calculation sheet for requirement feeds and fodder to be supplied to the affected
Cattle for combating the nutritional stress condition of the vulnerable blocks**

Sl. No.	Vulnerable blocks / Municipality	Total Cattle population as per census	% of cattle to be affected by natural calamities (10%)	Requirement balanced cattle feed@250g m/head/day X 7 days(kg)	Cost involved @ Rs.20/kg (approx)	Requirement of paddy straw @2kg/head/day X 7 days (approx)	Cost involved @ Rs.10/kg (approx)	Total Cost Rs. (approx)
1	Coochbehar-I	93211	9321	16311.75	326235	130494	1304940	1631175
2	Coochbehar-II	138810	13881	24291.75	485835	194334	1943340	2429175
3	Dinhata-I	71449	7145	12503.75	250075	100030	1000300	1250375
4	Dinhata-II	99400	9940	17395	347900	139160	1391600	1739500
5	Sitai	56348	5635	9861.25	197225	78890	788900	986125
6	Mathabhangha-I	96122	9612	16821	336420	134568	1345680	1682100
7	Mathabhangha-II	83422	8342	14598.5	291970	116788	1167880	1459850
8	Sitalkuchi	80290	8029	14050.75	281015	112406	1124060	1405075
9	Mekhliganj	69249	6925	12118.75	242375	96950	969500	1211875
10	Haldibari	40260	4026	7045.5	140910	56364	563640	704550
11	Tufanganj-I	99011	9901	17326.75	346535	138614	1386140	1732675
12	Tufanganj-II	107625	10763	18835.25	376705	150682	1506820	1883525
13	Coochbehar –M	2384	238	416.5	8330	3332	33320	41650
14	Dinhata-M	1676	168	294	5880	2352	23520	29400
15	Mathabhangha-M	1935	194	339.5	6790	2716	27160	33950
16	Mekhliganj-M	1262	126	220.5	4410	1764	17640	22050
17	Haldibari-M	1967	197	344.75	6895	2758	27580	34475
18	Tufanganj-M	6468	647	1132.25	22645	9058	90580	113225
	Total	1050889	105090	183907.5	3678150	1471260	14712600	18390750

A) PADDY STRAW :-

Paddy Straw may be procured from the local market by inviting spot quotation.

MEDICINES AND VACCINES :-

Required Medicines and Vaccines will be procured from the reputed Firms and Companies approved by the Director of Animal Husbandry & Veterenary Services, West Bengal. Sufficient quantity of vaccines will be stored at the Sector Offices. **PROBABLE EXPENDITURE :-**

(Considering the Cattle & Buffalo population 10,55,271 numbers in Coochbehar District as per Live-Stock Census)

Sl. No.	Particulars of Expenditure	Quantity Required	Rate (in Rs.)	Prpbable cost (Rs.)
1	Cattle Feed	660.00 MT	20.00 Per Kg	13200000
2	Paddy straw including Transportation	70.00 M.T	10.00 Per Kg	700000
3	Medicines and Vaccines	--	--	700000
4	Contingent fund for Fuel of vehicles and other expenditure	--	--	200000
Total (Rupees one core forty eight lakh twenty thousand) only				14800000

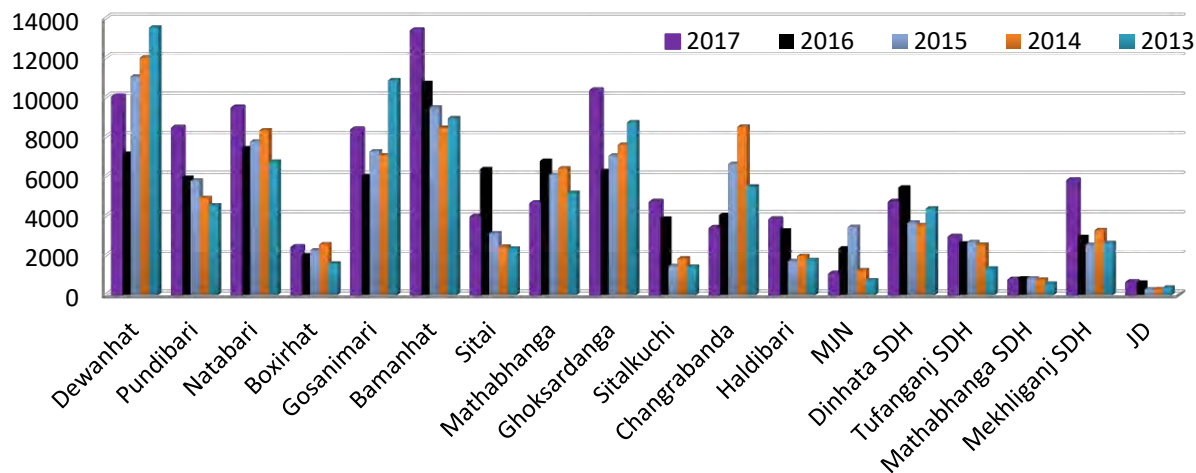
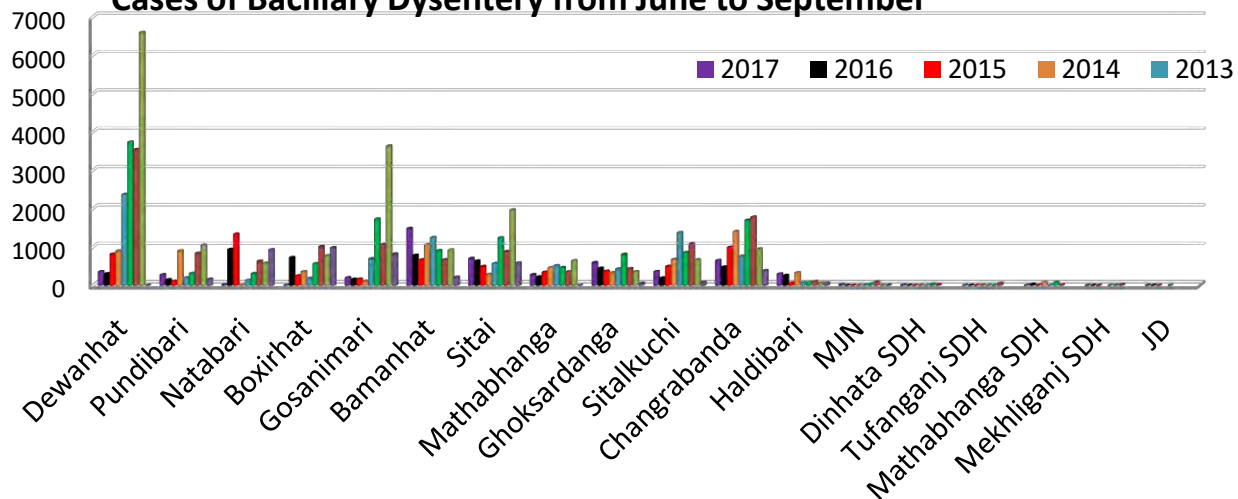
5.03: HEALTH

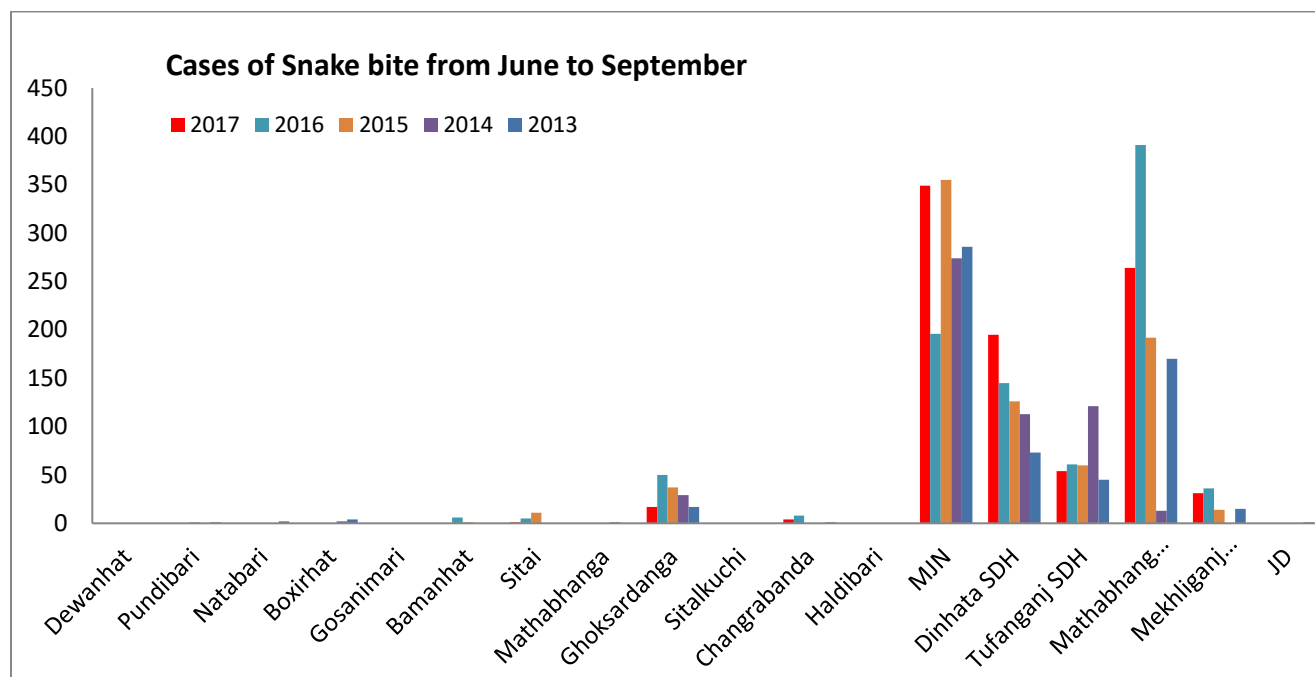
The word "disaster" indicates all kind of natural calamities such as flood, earthquake, cyclone etc. but in Cooch Behar district the word disaster means mainly flood, as most of the rivers Torsa, Mansai, Teesta, Jaldakha, Kaljani Raidak-I&II and Sankosh regularly cause flood in this district.

2. PREVENTIVE MEASURE :-

Water born diseases like Diarrhoea, Typhoid, Infective Hepatitis & Dysentery are common phenomena during and post flood period. Therefore emphasis will be given on safe drinking water, personal hygiene, public education including sanitary arrangement to the common people for prevention of epidemic. The disinfection of drinking water sources have to be done immediate after end of flood. Random surveillance and IEC activities will be continued for early detection and early treatment. Necessary instruction was issued to all concern.

Some data analysis of Acute Diarrhoeal Disease, Basilliary Dysentery and snake bite for the period from June to September for 2017, 2016, 2015, 2014, and 2013

Cases of Acute Diarrhoeal Disease from June to September**Cases of Bacillary Dysentery from June to September**



3. STOCK & DISTRIBUTION OF MEDICINE :-

The BMOH will arrange to collect the necessary medicine and disinfectant from the DRS and will store the same in the respective GP / nearest Health Institution for vulnerable and cut-off area. The quantity of stock will be used for treatment for expected patients about 10% of flood affected population of the area. The in charge of Sub-Centre will also stock the medicine and disinfectant from the BMOH for Sub-centre emergency use. A stock of medicine and disinfectant will also be stored in BPHC for emergency use.

ACMOHs & Dy. CMOH-II will store a stock of medicine and disinfectant for the use of DE Cell & SD Sq. for emergency. Distributed flood medicine in different units if remain unutilized, may be used for treatment of general patient. The flood indents do not include any extraordinary drugs which are not a part of quarterly indent. First installment of drug and disinfectant is ready for distribution and completed within 15th May.

4. TRANSPORTATION & MOBILITY :-

- BPHCs should keep readying their vehicle on road & keeping contact with respective BDO if necessary for mobility of Medical Team and other purposes.
- Other Officers of Health & FW Dept. have been asked to keep all the vehicles quite ready to meet up the Health Emergency during and post flood.
- The District Magistrate, Cooch Behar is being requested to arrange the vehicles if the necessary more on flood.

5. FLOOD CONTROLROOM & CELLS:-

- Flood control room will be open at ACMOH Office in Sub-Divisional level except ACMOH (Sadar) and Office of the Chief Medical Officer of Health (PH Wing) in district level under the control of Dy CMOH-II, Cooch Behar during the flood.
- During flood emergency both the DE Cell and Sadar Cell will run under direct control of DY CMOH-II, Cooch Behar.

- c) BMOH have been advised to make flood control room and make at least two medical team comprising with one MO and 2/3 PMW staffs to control the flood emergency in the block.
- d) The Control room and medical team will function on Sunday, Saturday and holidays. Only a skeleton unit will attend in CMOH Office and DRS on holidays.

6. **MEDICAL TEAM / HEALTH CARE TEAM:**

In apprehending of impending flood the Medical Team as identified comprise with One MO ,2/3 PMW with medicine & disinfectant should work as per necessity. Any change of member should be replaced forthwith.

All the Camps show open will must be attend at list once in a day by Medical Team. Necessary vehicle should be arranged. Submission of daily report to be ensured.

**** List of RRT is given in the page no: 22 to 23**

7. **STAFF DEPLOYMENT:**

During the flood situation the ACMOH's will look after the staff deployment. In emergency purpose they have the controlling power to post the staffs from the non flood affected block to effected block in their jurisdiction.

8. **DISINFECTANT :-**

- (a) **Bleaching Powder :-** Use for disinfection Pond, Well, Tube Well which will be used as drinking water sources in the flood affected areas as well as post flood disinfection work, this work will be done in consultation with the concern Panchayet.

Pond disinfection – 30 grains (2 grms.) of Bleaching Powder (25%) are needed to disinfect 100

Gallons of water to achieve the strength of 1 PPM.

Tube well disinfection – 25 Liters solution of Bleaching Powder 60 PPM strength. The solution filtered by a piece of clean Porous cloth and inserted in the pipe of Tube well and head of the Tube well is to be immersed fully in the same preparation of solution for 2 hour.

Well disinfection – Calculate the water of the well and apply the Bleaching Powder solution to achieve the strength of 1 PPM.

Formula to calculate the water content in Well is

$$D^2 \times DW \times 5 = \text{Gallons of water (1 Gallon = 4.5 Litre)}$$

D = Diameter of Well in feet, DW = Depth of water inside the Well.

Camp/ House disinfection – Bleaching powder to be mixed with lime at the ratio of 1:9 for the purpose of camp and house disinfection.

- (b) Disinfection by Chlorine Tablet – One Tablet of 4mg for 1(One) liter of clean water but 2 tablet for flood water and turbid water in both places contact period is half an hour.

Sequence of Well and Tube well disinfection – Twice in a year in normal situation and once in A week during outbreak.

9. District and Sub-divisional level Officers will be the Zonal Officer of different blocks. The Zonal Officer will visit the respective zone to supervise the block plan, progress of work and submit a report to the Dy CMOH-II with a copy to the CMOH in pre flood and post flood period.

The Blocks against the Zonal Office are as follows:

SL. No	Name of Officer	Block	Office No.	Mobile No.
1.	Dr. Syamal Saren,Dy. CMOH-II	COB-II	03582-227128	9932022393
2.	Dr. B. Roy, Dy. CMOH-I	COB-I	03582-228874	8900073683
3.	Dr. R. Adhikary, ACMOH, Tufanganj	TUF-I	03582-244775	9475756333
4.	Dr. B. Sarkar,Dy. CMOH-III	TUF-II	03582-228797	9932206392
5.	Dr. B. Roy, DLO	DIN -I	03582-224503	9647821246
6.	Dr. Dilip Dey, DMCHO	DIN-II	03582-228797	9434367436
7.	Dr. P. Mandal, ACMOH, (Dinhata)	Sitai	03581- 255002	9434073502
8.	Dr. A. Das, ACMOH (Mathabhanga)	Sitalkuchi	03582-228797	9932389884
9.	Dr. A. Das ,ACMOH, (Mathabhanga)	MTB-I	03583- 255261	9932389884
10.	Dr. Dr. Sourav Shil ,ACMOH(Sadar)	MTB-II	03582- 230519	9836144980
11.	Dr. S. Saha, DTO	Mekhliganj	03582-231543	9830755903
12.	Dr. J. Sarkar., ACMOH, Mekhliganj	Haldibari	03584-255275	9434450367

Beside the Zonal Officers, ACMOH's will be the Primary Monitoring Officer of their normal jurisdiction and guide, help the BMOH in respect of all, specially distribution and meticulous use of medicine, disinfectant, deployment of staff if required and Monitor the overall activities on behalf of CMOH and report accordingly.

Medical Team should be kept ready to meet any emergency during flood by the all Superintendents of Hospitals in this district.

10. Reporting System

After the occurrence of flood or any kind of disaster a detailed report mentioning the following information should be submitted to the Office of the Dy CMOH-II by special messenger and otherwise within 4 PM in same day positively.

1. Name of GP Affected.
2. Name of SC Affected
3. Name of village with population Affected.
4. No. of rescue camp open with location.
5. No. of camp inmate.
6. No. of Medical Team deployed.

From next day daily report as per proforma should be submitted if fresh area affected later on, the detailed should be submitted as above.

11. Contact No. for Sending Reports:

- a) Office of Dy. CMOH-II: Tele/Fax: 03582-227128
Email id : dycmoh2_cbr@wbhealth.gov.in ,dycmoh2_cbr@rediffmail.com
- b) Office CMOH: Tele: 03582-22887, Fax: 03582-228966
- c) Office of Dy. CMOH-III: Tele/Fax: 03582-228797

**Additional requirement of flood Emergency Medicine and Equipment for
Cooch Behar District.**

SL. NO	NAME OF THE MEDICINE	STOCK POSITION AT DRS AS ON 29.01.2018	REQUIREMENT
1	Bleaching Powder	292 X 25 kg	200 drum
2	Liq. Phenyle (5 ltr)	120 X 5 liter	200 ltrs
3	Pkt. O.R.S	409123 pkt	200000 pkts
4	Tab. Halazone	26000 tab	2000000 tabs
5	Tab. Cotrimoxazole 400 mg/80 mg	NIL	200000 tabs
6	Tab. Metronidazole	1720450 tab	300000 tabs
7	Tab. Paracetamol(500 & 600 mg)	433300 (500 mg) & 1043650(600 mg) Tab	300000 tabs
8	Tab. Norfloxacin	77800 Tab	100000 tabs
9	Tab. Ibuprofen	117600 Tab	100000 tabs
10	Tab. Cetirizine	NIL	100000 tabs
11	Tab. Famotidine	NIL	200000 tabs
12	Tab. Albendazole	23300 Tab	300000 tabs
13	Tab. OxyBromide	NIL	50000 tabs
14	Cap. Amoxycillin(250 mg)	264000 Tab	100000 caps
15	Susp. Albendazole	NIL	2000 bottle

16	Susp. Amoxycillin	NIL	2000 bottle
17	Susp. Metronidazole	30150 bottle	2000 phs
18	Susp. Paracetamol	52488 bottle	2000 phs
19	Chloramphenicol Eye drop	NIL	1000 phs
20	Lot. Mercurochrome	1562 Pot	200 pkt
21	Liq. B.B. Emulsion	2577 bottle	200 bottle
22	Than Bandage	1540 than	200 than
23	Than Gauze	744 than	200 than
24	Pkt. Cotton	2881 roll	200 roll
25	Roll Adhesive Plaster	575 roll of 4	200 piece
26	Disp. Syringe,5ml	221200 pcs	5000 piece
27	Disp. Syringe,2ml.	231300 pcs	5000 piece
28	Infusion Set	57950 pcs	2000 piece
29	Inz. A.V.S.	1900 vial	500 vial
30.	Susp. Cotrimaxazole	800 bottle	500 bottle
31.	Susp. cefpodoxime	41325 bottle	500 bottle

Requirement of fund for Material- Transport (to serve area & population likely to be affected by flood)

Name of the Affected Block	Vehicle		Boats		Others		Other expenses (Contingency, Loading unloading, IEC) [for 20 Days] (Rs.)	Total Amount Required (Approx) (Rs.)
	No	Hiring charge [@1500 X 20 Day] (Rs.)	No	Hiring charge [@1000 X 20 Days] (Rs.)	Type of ehicle (Van Riksha)	Hiring charge [@400 X20 days] (Rs.)		
Cooch Behar-I	1	30000	1	12000	2	16000	12000	70000
Cooch Behar-II	1	30000	1	12000	2	16000	12000	70000
Dinhata-I	1	30000	1	12000	2	16000	12000	70000
Dinhata-II	1	30000	1	12000	2	16000	12000	70000
Tufanganj-I	1	30000	1	12000	2	16000	12000	70000
Tufanganj-II	1	30000	1	12000	2	16000	12000	70000
Sitai	1	30000	1	12000	2	16000	12000	70000
Mathabhanga-II	1	30000	1	12000	2	16000	12000	70000
Sitalkuchi	1	30000	1	12000	2	16000	12000	70000

Mekhliganj	1	30000	1	12000	2	16000	12000	70000
Haldibari	1	30000	1	12000	2	16000	12000	70000
Total	11	330000	7	132000	22	176000	132000	770000

Approximate requirement of Fund to tackle Health emergency during flood for materials-transport, loading, unloading & contingency is Rs. 770000=00(Rupees Seven Lakh Seventy Thousand) only for 20 days.

05.04 Jalpaiguri Irrigation Division.

FLOOD CONTINGENCY PLAN 2018-2019 OF JALPAIGURI IRRIGATION DIVISION (FOR Dist. COOCHBEHAR)

1. INTRODUCTION :- Jalpaiguri Irrigation Division Under the administrative control of the Superintending Engineer ,North East Irrigation Circle –II concerned with the flood control management in the area if the western part of the district of Jalpaiguri [26°32'34" N, 88°39'7" E]. The main rivers that attacks the Jurisdiction of this Division (for Dist. Coochbehar) during flood are Teesta, Jaldhaka, Saniajan etc. and some small rivers / Jhora. Due to heavy rain on the catchment area the bed level of rivers are gradually raising due to heavy situation resulting which reducing the water carrying capacity of the river and threatened the adjacent area in respect of flood and erosion.

The jurisdiction of this division covered the following Blocks Under Coochbehar District :-
Coochbehar District :- i) Mekhliganj. ii) Haldibabi

2. PROBLEM :- There are 15 Nos. of Spurs, 47.58 Km. length of embankment & 4.725 Km. of bank protection work. It is not possible to repair all the damaged portion of spurs & embankment in the previous year due to scarcity of fund.

District wise break up of structures :-

	Embankment(Km)	B.P.(Km)	No of Spurs	Length of Spur(Km)	Irrigation Scheme
Coochbehar	47.58	4.725	15	7.261	

3. MEASURES TAKEN :- As it is not possible to restore all the damaged spots due to shortage of fund, some restorations of severely damages spurs & embankment are taken up in faces from different fund & the works are likely to be completed by 30th June 2018

4. VULNERABLE AREA :- A list showing probable vulnerable area are attached here with.

5. PROTECTED/ UNPROTECTED AREA LIKELY TO BE INUNDATED :- A list attached here with

6. FLOOD WARNING SYSTEM :- Like every year control room of Flood Warning Authority, Jalpaiguri, under Jalpaiguri Irrigation Division will start from 1st June 2018.

7. CONCLUSION :- Within the limitation of fund efforts are being taken to repair the damage embankments and spurs so that they can fight with the coming flood. It is very difficult for Teesta & Jaldhaka to predict flow pattern and any structure may be endangered.

All staffs of this Division connected with the flood works are prepared to fight with the coming flood with the help of Administration and other Departments connected and also with the help of local people.

FLOOD WARNING AUTHORITY
JALPAIGURI

Phone No: 03561-230249/ 03561-230153

Fax: 03561-220101

Email: fwajalpaiguri2014@gmail.com

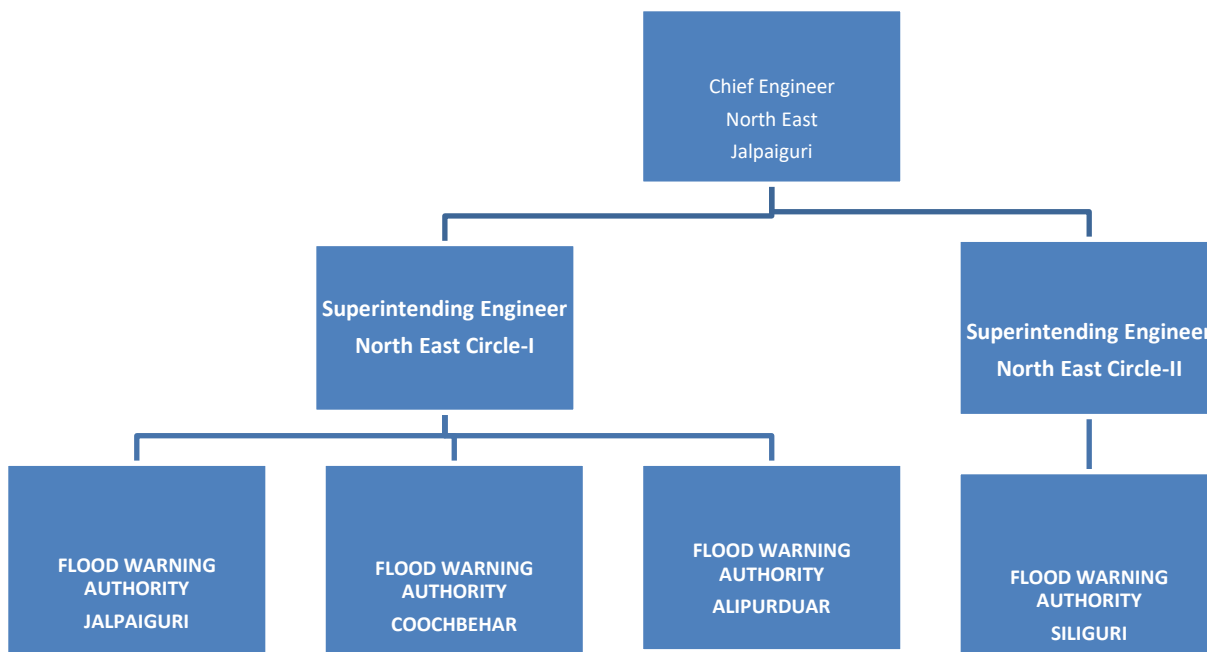
NORTH EAST (IRRIGATION & WATERWAYS DEPTT.)

- 1) Executive Engineer, Jalpaiguri Irrigation Division/ Coochbehar Irrigation Division/ Alipurduar Irrigation Division/ Siliguri Irrigation Division are the **Flood Warning Authority** in their respective jurisdiction.
- 2) Every year Flood season starts from 1st June.
- 3) Flood Control Room set up opened (normally) 1st June on every year.
- 4) Flood Control Room runs 24 hours (round the clock) throughout the Flood season.
- 5) Head Quarter Sub- Divisional Officers of their own Division are the Control room In-Charge of F.W.A.
- 6) **Manning:** 24 hours i.e. 8 hours x 3 shift .
- 7) **Shifts:** Morning shift = 06.00 hrs. to 14.00 hrs, Evening shift = 14.00 hrs. to 22.00 hrs. Night shift = 22.00 hrs. to 06.00 hrs.
- 8) Each shift contains 2(Two) nos. Shift In-Charge, one of them designated as Shift In-Charge and other designated as Assistant Shift In-Charge, & 2(Two) nos. Messenger to dispatch & collect flood messages to the authority & other necessary control room works.
- 9) For smoothly running of control room 4(four) nos. of Shift (including messenger) required, because night duty performing shift get off from next day's duty.
- 10) One rain gauge reader is being engage to collect rain gauge data from Flood Meteorological Office, Sialpara, Jalpaiguri. (Until our own rain gauge station installed). Rain gauge data should be recorded in the control room's rain gauge register day by day with upto date grand total during Flood Season.

- 11) Gauge level of different Rivers to be collected from C.W.C. control room over Telephone & from different FWA under Chief Engineer, North East.
- 12) There are 2(Two) nos. of datum board displayed in the Flood Control Room.
- 13) The board shows un-protected Zones & protected Zones in jurisdiction wise.
- 14) The Danger level / Extreme Danger level marked in the board. When water level of rivers crossed Danger level / Extreme Danger level, signal imposed phase wise, with the concurrence of FWA, Jalpaiguri, and intimated to Central Control Room, Jalasampad Bhawan, higher authorities of the deptt and to local civil administration instantly.
- 15) When water level of rivers falls down below the Danger level / Extreme Danger level, imposed signal withdrawn as per direction of the FWA, Jalpaiguri, and intimated to Central Control Room, Jalasampad Bhawan, higher authorities of the deptt and to local civil administration instantly.

Daily flood message/ bulletin from all Sub-Division Offices & description of flood protective embankments, Spurs & other flood protective structures should be registered in control room log book & in the message register of Flood Warning Authority. Though Flood Warning Authority, Jalpaiguri Control room working as Central Control Room of North East, so all messages and reports of the flood situation along with adverse condition of river protective embankment, spurs and other structural work should be communicate to the higher authority in right time as per their availability. If they are not available in right time then the same should be communicate to the next of the authority in-charge. Daily river gauge level, Weather Forecast, Rainfall, Synopsis of river protective embankment, spurs and other structural work of North East should be communicate in prescribed format to Central Control Room, Jalasampad Bhawan, Chief Engineer, North East , Superintending Engineer, North East Irrigation Circle- I, Superintending Engineer, North East Irrigation Circle -II, within 9:30hrs positively. **After receiving the daily flood report from all F.W.A./ Alipuduar/Coochbehar/ Jalpaiguri/Siliguri same are transmitted to Central Control Room ,Kolkata through Superintending Engineer, North East Irrigation Circle- I, Jalpaiguri.**

Weather Forecast & Heavy Rainfall Warning from Flood Meteorological Office, Alipore meteorological address to Flood Control Room should be communicate to the authority.

AUTHORITIES OF CHIEF ENGINEER, NORTH EAST**DUTY ROASTER OF CONTROL ROOM MANING**

DAY	1 ST SHIFT 6.00A.M to 2.00P.M.	2 nd SHIFT 2.00P.M. to 10.00P.M.	3 rd SHIFT 10.00P.M to 6.00A.M
Mon	A	B	C
Tues	D	A	B
Wed	C	D	A
Thurs	B	C	D
Fri	A	B	C
Sat	D	A	B
Sun	A	C	D

Reserve staffs should be required for leave vacancies.

In place of Police Wireless set Mobile Phone set have been issued to departmental staff for collection and transmission of Flood related data from Beltali, Mandalghat , Basusuba , Premganj. They collect flood situation & current position of embankment and spurs and then they convey the message to the requisite Sectional Officer and

Central Control Room. The Impose/Withdrawn signal confirmation copy should be sent over telephone / E-mail/ Fax/ Post to different authorities.

LOG BOOK

Log book is the most important register of flood control room which may called as well as the mirror of the total flood control management. Log book has its own serial number itself. Every year Flood Warning Authority opened the log book with date & time to continue the Flood Control Room during the flood season. After opening the control room the message of opening the flood control room should be noticed to the higher authorities. Every moment gauge data of different rivers & messages received & record in log book with date & time is the primary duty of the Flood Control Room staff. After receiving gauge data of different rivers & messages from all Sub-Division & section of Jalpaiguri Irrigation Division should be communicate to the Flood Warning Authority and Member (Execution), NBFCC & wait for their next instruction of Flood Warning Authority and Member (Execution), NBFCC (if necessary). If they instruct to communicate any reply messages it should be registered in log book with date & time. Any special instruction by the authority should be registered in Log book & take immediate action accordingly.

At the time of ending of Flood Control Room authority, should signed to close the same.

How to Impose Signals :

When Gauge levels crossed D/L or E.D.L of the rivers then it should be noticed to Flood Warning Authority, after considering the tendency of water level in upper catchment of the river which sent by C.W.C Flood (Forecast) he instruct to the control room to impose the signal or not.

Important Numbers of Control Room

PHONE- 03561-230153
 FAX- 03561220101
 Toll Free - 18003453255
 E-mail- fwajalpaiguri@gmail.com

CHART OF WIRELESS STATION

JALPAIGURI (Mother Station)

- 1.Domohani
- 2.Maynaguri
- 3.Malbazar
- 4.Teesta Barrage

(A) Coochbehar (F.W.A. R/T Station)

- 5.Mathabhanga
6. Tufanganj

(B) Alipurduar (F.W.A. R/T Station)

7. Radharani
8. Hemiltonganj
9. Hashimara
10. Falakata
11. Bhutnirghat
- 12 .Banarhat
- 13.Chengmari

TOTAL NOS. OF R.T. STATION = 13 Nos.

**LIST OF TEMPORARY WIRELESS STATION TO BE SET UP AND MANNED
DURING THE FLOOD SEASON OF 2018 BY DIFERENT ORGANISATIONS.**

C.W.C.Wireless setup.....

- 1) Teesta Bazar (River Teesta)
- 2) Teesta Coronation Bridge (River Teesta)
- 3) Domohani, Teesta Road Bridge (Teesta River)
- 4) Mekhliganj R/B of river Teesta/ Beltoli
- 5) Nagrakata NH-31C road Bridge (River Jaldhaka)
- 6) Jaldhaka NH-31 road Bridge (Jaldhaka)
- 7) Mathabhanga Road Bridge (Mansai) / Kadobari Embkt.
- 8) Hasimara NH-31C Road Bridge (Torsa)
- 9) Cengmari Road Bridge, Keshab Asram, Coochbehar (Torsa)

Alipurduar Irrigation Division.

- 1) Chepani-NH-31C Crossing (Raidak-II)
- 2) Telipara NH-31C Crossing (Raidak-II)
- 3) Kamakshyaguri Irrigation Sub-Division office
- 4) Kaljani H.O.S. (PWD Rd. Bridge Crossing)
- 5) Sankosh NH-31C Rd. Bridge Crossing (River Sankosh)

Coochbehar Irrigation Division

- 1) Hanskhowa (River Torsa)
- 2) Giladanga (River Mansai)
- 3) Kheti Fulbari (Jaldhaka)
- 4) Balarampur (Kaljani)
- 5) Adabarighat (Mansai)

**LIST OF RIVERS UNDER JALPAIGURI IRRIGATION DIVISION (FOR DIST.
COOCHBEHAR)**

Sl No	Name of River	Name of Block /P.S
1	Teesta	Haldibari & Mekhliganj
2	Jaldhaka	Mekhliganj
3	Saniajan	Mekhliganj
4	Sakwa	Mekhliganj
5	Kawasati	Haldibari
6	Buri Teesta	Haldibari

LIST OF VULNERABLE POINTS IN RESPECT OF FLOOD AND EROSION (FOR DIST. COOCHBEHAR)

Sl.No.	Name of River	Name of Block/ P.S.	Location	Remarks
1	Teesta	Mekliganj, Haldibari	Oraon BSF Camp 25-Teesta Pasti. Kutchlibari embankment , Bibiganj Jharsingheswar embankment including Spurs Burigram embankment.	
2	Jaldhaka	Mekliganj,	Sarohati, Balasirghat	
3	Dharala	Mekhliganj	Changrabanda BSF Camp	

For the District –Coochbehar

List of identification of Char lands prone to flooding during monsoon period, 2018.

A) Protected Area (Under Jalpaiguri Irrigation Division).

Name of Embankment	Name of Rivers	G.P.	Block	Area of habitation on char Lands in Hec.	Remarks
Votebari Embkt.	L/B Teesta	Niztaraf	Mekhliganj	130	
Helapakri Embkt.	L/B Teesta	Niztaraf	Mekhliganj	75	
Bibiganj-Jharsingheswar	R/B Teesta	Per Mekhliganj , Baxiganj	Haldibari	116	
Giria Embkt.	R/B Jaldhaka	Uchalpukri	Mekhliganj	70	
Giria Embkt.	R/B Jaldhaka	Kader Hat	Mathabhanga - I	120	
Giria Embkt.	R/B Jaldhaka	Ranir Hat	Mekhliganj	50	

B) Unprotected area (Under Jalpaiguri Irrigation Division) .

Name of Rivers	G.P.	Block	Area of habitation on char Lands in Hec.	Remarks
Saniajan (R/B)	Kuchlibari	Mekhliganj	50	
Teesta (L/B)	Niztaraf	Mekhliganj	100	

LEVELS OF DIFFERENT RIVERS (IN METRES, REFFERED TO G.T.S. DATUM) FLOOD WARNING LEVELS

RIVER CATCHMENT	FLOOD WARNING STATION	UNPROTECTED AREAS		PROTECTED AREAS		H.F.L WITH YEAR
		YELLOW/D.L (In Mtr.)	RED/E.D.L. (In Mtr.)	YELLOW/D.L (In Mtr.)	RED/E.D.L (In Mtr.)	(In Mtr.)
TEESTA	a) Teesta Bazar	211.00	213.00			223.34(1968).
	b) Coronation Bridge	149.40	151.80	150.00	153.60	160.05(1968).
	c) Domohani Road Bridge	85.65	85.95	85.95	83.30	89.30(1968).
	d) Mekhliganj (R/B)	65.45 D.L.	65.95 E.D.L			
TORSA	a) Hasimara(N.H.-31C)	116.30	116.90	116.30	117.50	119.10(1968)
	b) Coochbehar(Keshab Ashram) (Ghugumari)	42.07	42.68			
JALDHAKA	a) N.H.-31C R/B Crossing (Nagrakata)	160.70	161.30	161.00	161.80	161.25(1974)
	b) N.H.-31 R/B Crossing	80.00	80.50	80.10	80.90	81.58(1972)
MANSAI	a) Mathabhanga R/B	48.20	48.70	48.40	48.90	49.45(11.8.87)
SANKOSH	a) N.H.-31C Crossing	48.20	49.10	48.50	48.40	50.00(1973)
RAIDAK-I	a) N.H.-31C Crossing (Chepni)	46.70	47.60	47.00	47.90	49.05(1973)
	b) Tuganganj (P.W.D. Bridge)	34.22	35.30			
RAIDAK-II	a) N.H.-31C Crossing (Telepara)	48.10	49.00	48.40	49.30	50.50(1968)
KALJANI	P.W.D. Bridge, Alipurduar	45.10 D.L.	45.70E.D.L.			46.53(1954)
DIANA	Chengmari Rly. Bridge	200.50 D.L.	201.40 E.D.L.			201.88(1972)
MAHANANDA	Siliguri HillCart R/B	115.975 D.L.	116.590 E.D.L.			117.075(05.10.19 68)
MUJNAI	Bhutnir Ghat N.H.-31 R/B	61.70 D.L.	62.30 E.D.L.			

A.A.P.-Average Areal Precipitation.

Q.P.F.-Quantitive Precipitation Fore Cast.

5.5 COOCH BEHAR IRRIGATION DIVISION

1. INTRODUCTION :- Coochbehar Irrigation Division under the administrative control of the Superintending Engineer, North East Irrigation Circle-I, Debibari, Coochbehar is concerned with the flood control and management in the area of the district of Coochbehar. There are large number of rivers originating from the Himalayas of Bhutan passing through the district of Jalpaiguri enter into the jurisdiction of this Division and finally proceed to Bangladesh.

More than 30 number of Rivers flow over the jurisdiction of this Division. The Major Rivers are Sankosh, Gangadhar , Raidak - I, Raidak - II, Kaljani, Torsha, Jaldhaka , Mansai, and Singimari.

The jurisdiction of this division, located on the southern side of District of Jalpaiguri just on the foot hill of Himalayas and there are often flush Flood on the Rivers due to heavy Rain on the Catchment areas (Himalayas on Bhutan). The Bed level of Rivers are gradually rising due to heavy

siltation, resulting which water carrying capacity of the Rivers are being reduced and the adjacent area is being threatened in respect of Flood and Erosion

The jurisdiction of this division covers the following Blocks :

Coochbehar Block - I / Coochbehar Block - II / Tufanganj Block – I / Tufanganj Block – II / Dinhata Block - I / Dinhata Block – II / Sitai Block / Sitalkuchi / Mathabhanga Block - I / Mathabhanga Block - II .

The Total length of river bank within this jurisdiction is approximately 1600.0 KM, Since creation (1954) of this Division 21% length has been protected.

2. DAMAGES OCCURRED DURING FLOOD 2018 :

During Monsoon 2018, due to torrential rainfall from 22.06.2018 to 01.07.2018 severe damages on embankment / structures under the jurisdiction of this Division had taken place, which are as follows -

Damage of flood protective and anti- erosive structures

Period of occurrence	Number of locations of damaged structures	Length of damage	Cost of damage	Remarks
22.06.18 to 01.07.18	29 Nos.	2911 M	Rs.352.00 Lac	Damage report submitted

5.4.1. Prevailing arrangements of Flood Warning System:

1. Control Room of Flood Warning Authority, Cooch Behar will be functioning from its office at Debi Bari, Cooch Behar with Phone No. 229114 (03582) (Yet to be installed).
2. Sub- Divisional Control Room:
 - a) In the office of the S.D.O., Tufanganj Irrigation Sub-Division, Tufanganj with Phone No. 244668 (03582) (Yet to be installed)
 - b) In the office of the S.D.O., Mathabhanga, Irrigation Sub-Division, Mathabhanga, with Phone No. 255733 (03583) (Yet to be installed)

Control Rooms are expected to be functioning from 01.06.2018 at the onset of S.W. monsoon.

These Control Rooms shall be run by existing staff of Cooch Behar Irrigation Division. These Control Rooms shall remain open 24 hrs. till withdrawal of S.W. monsoon.

The Hydrological observation stations (H.O.S. s) situated beside different rivers under the territorial jurisdiction of Cooch Behar Irrigation Division shall be manned each with Gauge Readers, Khalasis and other staff.

The staffs deputed at the H.O.S. s collect gauge and discharge data of the relevant rivers daily and record in the relevant registers. During the flood season, all the H.O.S. s function round the clock and send messages regarding water-levels of rivers and local weather centrally to control room at Cooch Behar and Sub – Divisional control room at Mathabhanga and Tufanganj. Control room at Cooch Behar usually functions as the central control room of the Flood Warning Authority of Cooch Behar & Executive Engineer, Cooch Behar Irrigation Division, whose primary object is to issue flood warning signals for the rivers within this jurisdiction during the flood season. The staffs deputed at the control room at Cooch Behar collect gauge and discharge data from Alipurduar Control room located at HOS Kaljani of the relevant rivers within the jurisdiction of Alipurduar Irrigation Division daily and record in the relevant registers and communicate to the District Authority. The flood season officially starts from 1st June and ends usually after the 15th October of each year.

For protected and unprotected zones along the bank of each river, there is specific Yellow / Danger Level (D.L) and Red / Extreme Danger Level (E.D.L.)

Guiding Warning Levels of rivers:

- (a) 0.6 M or more below Yellow or D.L. = Normal Flood
- (b) Within 0.6 M of Yellow or D.L. = Moderate Flood
- (c) Yellow or D.L. = High Flood
- (d) Red or E.D.L. = Very High Flood

During Normal Flood period

Gauge Level are observed :- At 3 hours interval.

During High Flood period

Whenever the Gauge Level enters within 0.6 Mt. of Yellow / Danger Level. :- Readings are observed at hourly Interval and continued till the Gauge level subsides below normal flood level.

During the Gauge level at Corresponding signal are imposed for that river and it is instantly communicated to the wireless Supervisor of Cooch Behar Police Station, Cooch Behar with request to transmit the message to different addresses. Telephonic messages are sent to local administration and other authorities like Railways, N.H., P.W.D. etc. after which the confirmation copies are sent by messenger or by post.

Locations of existing Hydrological Observation Stations (H.O.S) :

Under the control of the Flood Control warning Authority, The Executive Engineer, Coochbehar Irrigation Division, there are 3 (seven) nos of Hydrological Observation Stations (H.O.S.) at the location is given below :-

Sl. No.	River on which H.O.S is situated with location	D.L AND E.D.L.
1)	Torsa at Keshab Ashram	D.L./ Y- 42.07 M E.D.L./ R- 42.68 M
2)	Raidak-I at Tufanganj L.R.P.	D.L./ Y- 47.00 M E.D.L./ R- 47.90 M
3)	Mansai at Mathabhanga.	D.L./ Y- 47.90 M E.D.L./ R- 48.40 M

Maximum Gauge Reading in different Rivers (Torsa at Keshab Ashram, Raidak- I at Tufanganj & Mansai at Mathabhanga) from 2008 to 2017 is enclosed.

Daily Rainfall Data. -

Daily Rainfall data collected from rain gauge Station at i)Cooch Behar,. ii) Tufanganj and iii) Mathabhanga

Total Rainfall with maximum rainfall in last year are as below

RAIN GAUGE STATION	TOTAL YEARLY RAINFALL IN MM	MAXIMUM RAINFALL IN A DAY IN MM	DATE	Remarks
COOCHBEHAR	2745.90 mm	212.20	22.06.2018	
TUFANGANJ	3256.50 mm	320.00	01.07.2018	
MATHABHANGA	1932.80 mm	139.20	01.07.2018	

Structures / Assets in custody of this Division:

- 1) Flood Embankment armoured Length – 120.835 K.M.
- 2) Flood Embankment unarmoured Length – 34.150 K.M.
- 3) Bank protection work ., Length – 179.328 K.M.
- 4) Spur - 85 Nos Total length – 19.501 KM

7. FLOOD PRECAUTIONARY MEASURE :

Most of the damaged structures have been restored. However 36 nos of vulnerable sites are to be taken up before the on set of monsoon. During monsoon all the areas shall be looked after by the departmental field staffs and officers and keep close contact with the local administration and Panchayat . A list of contact number is also

PRIORITY LIST OF THE PROPOSED M/R WORKS REQUIRED TO BE TAKEN BEFORE MONSOON-2019
UNDER COOCH BEHAR IRRIGATION DIVISION

Sl. No.	Name of work	Length of damage portion	River	Block	Nature of Damage	Tender Amount (In Lakh)
1	M/R to Bank Protection work along the left bank of river Raidak-I at Banshraj part-I (D/S of burning ghat) in Block-Tufanganj-II in P.S. Boxirhat, Dist. Cooch Behar.	100m	Raidak-I	Tufanganj-II	Bank erosion	4.82
2	M/R to Protection of Notafela area against spilling and silt deposition along the right bank of river Kaljani in P.S. Dinhata , Dist. Cooch Behar	80m	Kaljani	Dinhata-II	Bank erosion	4.84
3	M/R to Protection of Balarampur area on the right bank of river Kaljani in Block-Tufanganj-I, P.S. Tufanganj , Dist. Cooch Behar	47m	Kaljani	Tufanganj -I	Bank erosion	4.82
4	Damage restoration along the left bank of river Ghargharia at Kaljani Roy para village area for a length of 120 m within Coochbehar_ II Block PS Kotwali Dist Cooch Behar	120m	Ghargharia	Coochbehar_ II	Bank erosion	27.06

5	MR to Panisala protection work along the right bank of river Torsa under Panisala GP in PS Kotwali Dist Cooch Behar (Protection work at upstream of salbullah spur No 18)	55m	Torsa	Coochbehar_I	Slope pitching	9.34
6	MR to to US of Manidas Para B.P work along the right bank of river Kaljani at Kamar Para area in PS Kotwali Dist Cooch Behar	150m	Kaljani	Coochbehar-II	Bank erosion	32.84
7	MR to Paniarchara protection work along the left bank of river ghargharia under Maruganj GP in PS Tufanganj Dist Cooch Behar (Protection work at upstream of Paniarchara protection work)	150m	Ghargharia	Tufanganj-I	Bank erosion	25.52
8	Damage restoration work along the left bank of river Baniadaha at Barabalasi village area for protection of Masjid within Cooch Behar I Block in PS Kotwali Dist Cooch Behar.	105m	Baniadaha	Dinhata-II	Bank erosion	5.22
9	MR to Arampur Embankment along the right bank of river kaljani (Armouring of embankment in between Spur No.2 and 3) in Block Tufanganj I in PS Tufanganj Dist Cooch Behar	2000m	kaljani	Tufanganj-I	Bank erosion	27.60
10	MR to US of existing BP work Kodaldwaha area on the RB of river mansai within GP Nishiganj I Block Mathabhanga I PS Mathabhanga Dist Coochbehar	100m	mansai	Tufanganj-I	Bank erosion	22.06
11	MR to Rangamati and Nagar Gopalganj BP work (Down stream) along the right bank of river Dharala within Block Mathabhanga I PS Mathabhanga Dist Coochbehar	60m	Dharala	Tufanganj-II	Bank erosion	25.41
12	MR to kajlikura BP work along the right bank of river Mansai within Block and PS Sitai Dist Cooch Behar.	210m	Mansai	Sitai	Bank erosion	11.88
13	MR to downstream of Nayarhat BP Work on the left bank of river Sutunga under Nayerhat GP in PS Mathabhanga Dist Cooch Behar	250m	Sutunga	Dinhata-II	Bank erosion and damage of Apron	34.44
14	MR to South Bhangamore BP Work along the left bank of river Sutunga on D/S side under Hazrahat GPI, in P.S – Mathabhanga, Dist. Cooch Beha	125m	Sutunga	Mathabhanga-II	Bank erosion & damage of round sausage	7.94

15	Damage Restoration in right bank of river Mora Torsa under Mouza Khagrabari G P Khagrabari near Jamai Colony in PS Kotwali Dist Coochbehar	80m	Torsa	Coochbehar-II	Bank erosion and damage of Apron	8.02
16	Damage Restoration along the left bank of river Jhaljhali at Bara Nalangibari village area in PS Kotwali Dist Coochbehar	180m	Jhaljhali	Coochbehar-I	Bank erosion	24.74

17	Damage Restoration work along the left bank of river Ghoramara at Salmara near Hatidhura Bazar in PS Pundibari Dist Coochbehar Block in PS Kotwali Dist Cooch Behar.	130m	Ghoramara	Coochbehar-II	Bank erosion	8.82
18	Damage Restoration work along the left bank of river Dolong at Matier Kuthi Daspara in PS Goksadanga Dist Coochbehar	130m	Dolong	Mathabhang a-II	Bank erosion	16.39
19	MR to Coochbehar TP Embankment along the left bank of river Torsa in down stream of Masjid Para Ramp under Coochbehar Municipality of Coochbehar sadar Sub Division in PS Kotwali Dist Coochbehar	40m	Torsa	Coochbehar Municipality	Bank erosion	7.26
20	MR to Boraibari (down stream of PWD Road Bridge) BP work along the right bank of river Ghargharia at Boraibari area in PS Kotwali Dist Cooch Behar	200m	Ghargharia	Mathabhang a-II	Bank erosion	24.58
21	MR to Gadolerkuthi BP Work along the left bank of river Sutunga on Upstream Side under Hazrahat GP I in Block Mathabhanga II Dist Coochbehar	90m	Sutunga	Mathabhang a II	Bank erosion	7.43
22	MR to BP work along the left bank of River Raidak I at Kadamguri area within Salbari I G.P adjacent to Heritage road Mouza salbari in Block Tufanganj II PS Boxirhat Dist Coochbehar	218m	Raidak I	Tufanganj II	Bank erosion	13.70
23	M R to Baro Bospara B P work along the right bank of river Gadadhar in G P Natabari I Block Tufanganj I in P S Tufanganj Dist Coochbehar	110m	Gadadhar	Tufanganj I	Bank erosion	5.81

24	MR to Down stream of Bosspara B P work along the right bank of river Gadadhar in GP Natabari I Block Tufanganj I in P S Tufanganj Dist Coochbehar	200 m	Gadadhar	Tufanganj-I	Bank erosion	8.15
25	MR to Chhotolawkuthi embankment along the right bank of river Raidak II within Block Tufanganj II PS Boxirhat Dist Cooch Behar	200m	Raidak II	Tufanganj-II	Bank erosion	5.74
26	Extension of Balaghat BP work at uttar Balaghat area along the left Bank of river Gadadhar within Block Tufanganj I PS Tufanganj Dist-Coochbehar Dist Cooch Behar	70m	Gadadhar	Tufanganj-I	Bank erosion	8.07
27	Damage restoraton work at Sarakarpar area along the Right Bank of river Raidak I within block Tufanganj I PS Tufanganj Dist Coochbehar	200m	Raidak I	Tufanganj-I	Bank erosion	23.76
28	Damage restoraton work at Nepalkhata area along the Left bank of river Gadadhar within Block Tufanganj I P S Tufanganj District Cooch Behar.	80m	Gadadhar	Tufanganj-I	Bank erosion	10.29
29	Damage restoraton work at Madhya Dhadi area along the left bank of river Gadadhar within block Tufanganj I PS Tufanganj Dist Coochbehar	120m	Gadadhar	Tufanganj-I	Bank erosion	14.54
30	Damage restoraton work at Purbo Dwiperpar area near SSK School along the right bank of river Raidak I whinin Block Tufanganj I P S Tufanganj Dist Coochbehar	140m	Raidak-I	Tufanganj-I	Bank erosion	20.22

31	MR to BP work at Balaghat area along the left Bank of river Gadadhar within Block Tufanganj I PS Tufanganj Dist Coochbehar.	90m	Gadadhar	Tufanganj-I	Bank erosion	5.27
32	Damage restoraton to Sahapara area along the left bank of river Mora Raidak in Salbari I GP within Block Tufanganj II PS Boxirhat Dist Cooch Behar	80m	Mora Raidak	Tufanganj-II	Bank erosion	10.06
33	Damage restoraton work at Kadamguri area along the Right bank of River Raidak I in Block Tufanganj I	70m	Raidak I	Tufanganj I		16.28

	PS Tufanganj Dist Cooch Behar					
34	MR to BP work along the right Bank of river Gadadhar at saheb Bari Ghat (Jaigir Chilakhana) area Up Stream of road bridge in GP Natabari II Block Tufanganj I PS Tufanganj Dist Coochbehar	215m	Gadadhar	Tufanganj-I	Bank erosion	23.98
35	M/R to Cooch Behar Town protective Embankment along the left bank of river Torsa at Khagrabari area (Adjacent to PWD road) in P.S. Kotwali ,Dist- Coch Behar	135 m	Torsa	Cooch Behar-II	Bank erosion	2.51
36	M/R to Bara Bangla B.P work along the right bank of river Mansai within Block & P.S- Sitai, Dist - Coochbehar	12 m	Mansai	Sitai	Bank erosion	4.93
37	M/R to Country side of Tikonja embankment on the right bank of river Mansai within G.P. Pachagarh , Block : Mathabhanga-I, PS. Mathabhanga Dist - Coochbehar	40 m	Mansai	Mathabhang a-I	Bank erosion	2.79
38	M/R to town protective embankment along the right bank of river Mansai in P.S- Mathabhanga, Dist- Coochbehar	21 m	Mansai	Mathabhang a-II	Bank erosion	3.85
39	M/R to Marginal embankment at Khaterbari area in between river Sutunga and river Mansai near Ward No-7 behind Mathabhanga Hospital under Mathabhanga Municipality ,Block- Mathabhanga –I, P.S- Mathbhanga, Dist. Cooch Behar.	35 m	Mansai	Mathabhang a –I	Bank erosion	4.76
40	M/R to Coochbehar T.P embankment along the left bank of river Torsa (in un-armoured area) in Mouza- Khagrabari and Sahar Coochbehar in P.S- Kotwali, Dist - Coochbehar	205 m	Torsa	Cooch behar-II	Earthwork and bamboo piling	4.33
41	M/R to town protective embankment along the right bank of river Mansai in P.S- Mathabhanga, Dist- Coochbehar. (2 nd Call)	3 Nos	Mansai	Mathabhang a –I	Sausage work	3.85
42	M/R to Chhatowa Amlaguri B.P. work along the right bank of river Kaljani within Tufanganj_I Block, in P.S. Tufanganj, Dist. Cooch Behar.	106 m	Kaljani	Tufanganj_I	Bank erosion	4.83
43	M/R to Dewanbos Embankment on the left bank of river Mansai in P.S- Nishiganj, Dist – Cooch Behar.	6 m	Mansai	Cooch behar-I	Bank erosion	1.22

44	M/R to Purba Guriahati –Lankabor Embankment along the left bank of river Torsa in P.S. Kotwali, Dist. Cooch Behar.(Upstream portion)	10 m	Torsa	Cooch behar-I	Bank erosion	4.78
46	M/R to Purba Guriahati –Lankabor B.P.Work along the left bank of river Torsa in P.S. Kotwali, Dist. Cooch Behar.(Downstream portion)	19 m	Torsa	Cooch behar-I	Bank erosion	4.80
47	M/R to Dhopguri- ukilerchhara Embankment along the left bank of river Kaljani in G.P. Natabari-I Mouza-Dhopguri in P.S. Tufanganj, Dist. Cooch Behar. Reach-I	51 m	Kaljani	Tufanganj-I	Bank erosion	4.82
48	M/R to Dhopguri- ukilerchhara Embankment along the left bank of river Kaljani in G.P. Natabari-I Mouza-Dhopguri in P.S. Tufanganj, Dist. Cooch Behar. Reach-II	226 m	Kaljani	Tufanganj-I	Bank erosion	4.83
49	M/R to Bank Protection Work along the left bank of river Raidak-I at Jogipara within Block-Tufanganj-II in P.S. Boxirhat, Dist. Cooch Behar.(Reach-I)	132 m	Raidak-I	Tufanganj-II	Bank erosion	4.84
50	M/R to Bank Protection Work along the left bank of river Raidak-I at Jogipara within Block-Tufanganj-II in P.S. Boxirhat, Dist. Cooch Behar.(Reach-II)	147 m	Raidak-I	Tufanganj-II	Bank erosion	4.80
51	Palliative work on the R/B of River jaldhaka at up stream side of Uttar daibhangi spur adjacent to the Uttardaibhangi earthen embankment in Block- Mathabhanga-I P.S. Mathabhanga, Dist. Cooch Behar.	3 Ns	jaldhaka	Mathabhanga-I	Dip Trees	2.37
52	M/R to Arampur Embankment along the right bank of river kaljani (Armouring of embankment in between Spur No.2 and 3) in Block-Tufanganj-I in P.S. Tufanganj, Dist. Cooch Behar. Reach-II. From Ch.-100M to 200M.	100 m	kaljani	Tufanganj-I	Bank erosion	13.80
53	Damage restoration along the right bank of river Saltiar at village Hastabudh Kasaldanga, P.O- Patpishu in P.S- Kotwali, Dist- Cooch Behar	110 m	Saltiar	Cooch Behar-I	Bank erosion	17.23
54	Maintenance and repair to Cooch Behar town Protective embankment	150 m	Torsa	Cooch Behar-II	Bank erosion	

	from 5.00Km to 7.00Km along the left bank of river Torsa in PS- Kotwali Dist Cooch Behar					
55	Maintenance and repair to Tapsitala B.P. work (D/S) along the L/B of river Jaldhaka within G.P. Fulbari, Block-Mathabhanga-II, P.S. Ghoksadanga , Dist Cooch Behar	140 m	Jaldhaka	Mathabhanga-II,	Bank erosion	4.84
56	Maintenance and repair to U/S of spur No. 1 of Daribosh-Fulbari Embankment along the L/B of river Jaldhaka within G.P. Fulbari, Block-Mathabhanga-II, P.S. Ghoksadanga , Dist Cooch Behar.	130 m	Jaldhaka	Mathabhanga-II	Bank erosion	4.80
57	Damage restoration work at Uttar Balabhut Nayarchar area along the left bank of river Raidak-I within Block-Tufanganj-I P.S.Tufanganj , Dist Cooch Behar.(Reach-I)	107 m	Raidak-I	Tufanganj-I	Bank erosion	4.79
58	Damage restoration work at Uttar Balabhut Nayarchar area along the left bank of river Raidak-I within Block-Tufanganj-I P.S. Tufanganj , Dist Cooch Behar.(Reach-II)	90 m	Raidak-I	Tufanganj-I	Bank erosion	4.79
59	M.R to protection work at Maruganj Bandar Bazar area along the L/B of river Ghargharia under Maruganj G.P in P.S- Tufanganj, Dist- Cooch Behar	30 m	Ghargharia	Tufanganj-I	Bank erosion	4.83
60	M/R to Ambari B.P work along the right bank of river Kaljani under Ambari G.P in P.S- Kotwali , Dist Cooch Behar.	155 m	Kaljani	Cooch Behar-II	Bank erosion	4.79
61	Damage restoration work at Dwiperpar area along the right bank of river Raidak-I within Block-Tufanganj-I in P.S. Tufanganj, Dist. Cooch Behar.	33 m	Raidak-I	Tufanganj-I	Bank erosion	4.84
63	MR to Morebhanga Kismat Adabari BP work and its upstream along the right bank of River Mansai within GP Adabari Block and PS Sitai Dist Cooch Behar	106 m	Mansai	Sitai	Bank erosion	13.59
64	Maintenance and repair to protection work along the left bank of river Mansai at sibpur village area in putimari Fuleswari G.P. in P.S. Kotwali, Dist. Cooch Behar.	13 Nos	Mansai	Cooch behar-I	Sausage work and porcupine	4.81

MONTHLY RAINFALL DATA (IN MM) AS RECORDED AT COOCHBEHAR FROM 2008 TO 2019

Year	Month												Total	Highest Rainfall
	Jan	Feb	March	April	May	June	July	August	Sep.	Oct.	Nov.	Dec		
2008	58.40	14.20	101.20	202.70	320.60	848.70	668.70	1171.70	279.50	122.90	Nil	Nil	3788.60	345.70 Dt-14/6/08
2009	Nil	Nil	40.60	161.00	269.00	535.80	360.50	856.60	238.60	271.40	1.00	0.20	2734.70	205.70 Dt-13/8/09
2010	0.20	Nil	64.40	330.50	430.10	707.20	949.90	593.70	596.60	57.50	10.90	Nil	3741.00	219.80 Dt-22/7/10
2011	3.00	8.40	97.20	200.10	294.90	437.50	921.30	534.90	387.20	2.50	5.00	6.00	2898.00	239.20 Dt.18/9/11
2012	4.10	16.20	6.50	140.20	374.70	1176.60	946.30	429.20	592.40	229.10	Nil	Nil	3915.30	252.00 Dt-6/7/2012
2013	Nil	19.60	2.60	173.30	354.20	390.30	554.30	324.20	595.40	177.60	13.00	Nil	2604.50	170.80 Dt-7/9/2013
2014	0.80	23.50	7.30	6.20	560.70	671.80	231.00	445.10	566.50	4.40	Nil	0.20	2517.50	231.20 Dt-22/09/14
2015	23.40	42.20	78.00	137.20	472.40	620.40	187.10	933.20	485.60	22.30	11.60	5.20	3018.60	181.20 Dt-01/06/15
2016	5.40	0.20	74.60	146.00	288.20	1033.30	902.30	471.70	399.20	129.70	Nil	Nil	3450.60	218.00 Dt-25.06.16
2017	0.60	Nil	65.40	165.60	371.60	525.10	459.80	1171.70	527.00	239.50	Nil	Nil	3526.30	246.60 Dt-11.08.17
2018	Nil	5.80	40.00	274.40	378.10	551.80	579.60	487.40	412.40	16.40	Nil		2745.90	212.20 Dt.22.06.18
2019	0.80	14.90	72.50	225.90	335.30	371.40	1134.10	205.80	471.70	82.0	31.00	0	2945.40	197.40 dt. 13.7.19

MONTHLY RAINFALL DATA (IN MM) AS RECORDED AT MATHABHANGA FROM 2008 TO 2018

Year	Month												Total	Highest Rainfall
	Jan	Feb	March	April	May	June	July	August	Sep.	Oct.	Nov.	Dec		
2008	23.00	3.40	18.80	70.00	115.60	245.80	629.50	1009.00	270.00	192.40	1.40	Nil	2578.90	251.00 Dt-30/8/08
2009	Nil	Nil	18.60	140.90	231.80	436.00	480.90	613.60	184.00	257.20	1.00	Nil	2364.00	180.60 Dt-13/8/09
2010	Nil	Nil	Nil	164.80	429.60	560.50	742.30	377.80	393.20	29.40	0.60	Nil	2698.20	147.00 Dt-19/5/10
2011	4.40	8.80	57.40	162.60	287.20	398.70	923.20	372.20	309.00	21.00	20.20	Nil	2564.70	168.00 Dt.19/7/11.
2012	9.00	14.20	8.60	144.80	287.60	868.00	666.60	393.20	545.20	246.60	Nil	Nil	3183.80	185.60 Dt-6/7/2012
2013	Nil	18.00	1.20	89.20	180.60	332.20	720.80	279.00	399.40	152.00	4.60	Nil	2177.00	188.00 Dt-9/7/2013

2014	3.20	22.0 0	11.80	13.00	265.0 0	488.2 0	317.8 0	470.40	665.8 0	50.00	Nil	Nil	2307.20	196.40 Dt- 10/09/2014
2015	26.20	Nil	22.40	166.2 0	402.8 0	606.8 0	264.2 0	733.10	358.0 0	57.60	3.20	00	2640.50	108.20 Dt- 09/06/15
2016	4.60	0.00	41.80	51.80	232.0 0	852.0 0	754.4 0	206.00	469.0 0	153.4 0	Nil	Nil	2765.00	160.00 Dt- 23/07/16
2017	Nil	Nil	58.40	68.60	402.1 0	645.2 0	364.4 0	883.20	363.2 0	142.2 0	Nil	Nil	2927.30	189.40 Dt-12.08.17
2018	Nil	0.60	55.60	197.8 0	251.6 0	274.6 0	529.2 0	327.80	264.0 0	31.60	Nil		1932.80	139.20 Dt-01.07.18
2019	00	14.2 0	61.00	229.6 0	316.0 0	290.4 0	905.2 0	146.40	421.2 0	100.4 0	00	00	2484.40	124.00 dt. 24.7.19

MONTHLY RAINFALL DATA (IN MM) AS RECORDED AT TUFANGANJ FROM 2008 TO 2018

Year	Month												Total	Highest Rainfall
	Jan	Feb	March	April	May	June	July	August	Sep.	Oct.	Nov.	Dec		
2008	57.40	4.80	166.40	289.4 0	487.0 0	947.40	900.8 0	1372.20	482.2 0	342.4 0	Nil	Nil	5050.00	438.20 Dt-14/6/08
2009	Nil	Nil	44.80	150.6 0	414.6 0	764.60	326.2 0	1411.00	433.2 0	442.8 0	Nil	Nil	3987.80	315.80 Dt-8/10/09
2010	Nil	Nil	142.60	631.6 0	865.8 0	939.40	1135. 80	552.60	471.4 0	40.80	Nil	Nil	4780.00	249.80 Dt-17/8/10
2011	5.00	4.60	66.80	159.4 0	387.0 0	473.20	837.8 0	636.00	319.6 0	45.80	2.40	0.20	2937.80	145.80 Dt. 10-7-11
2012	2.40	13.6 0	4.20	176.8 0	412.2 0	1402.60	808.2 0	423.60	686.4 0	369.4 0	Nil	Nil	4300.20	175.60 Dt- 27/6/2012 and 06/7/2012
2013	Nil	19.4 0	12.00	292.5 0	419.0 0	504.00	773.0 0	517.50	671.4 0	268.0 0	3.00	Nil	3479.80	180.00 Dt- 09/07/2013.
2014	Nil	39.0 0	1.00	13.00	743.4 0	810.80	211.2 0	939.00	984.2 0	41.80	Nil	Nil	3783.40	615.20 Dt- 22/09/2014
2015	4.00	7.00	99.00	231.5 0	389.6 0	1507.00	491.5 0	1744.00	759.0 0	104.0 0	4.20	Nil	5340.80	286.00 Dt-01/06/15
2016	18.00	0.00	78.50	234.7 0	453.2 0	872.20	854.6 0	376.80	431.6 0	304.0 0	Nil	35.2 0	3658.80	184.60 Dt-23/07/16
2017	Nil	Nil	93.80	278.0 0	383.6 0	764.20	598.6 0	1195.80	659.8 0	308.4 0	Nil	Nil	4282.20	430.20 Dt-11.08.17
2018	Nil	4.40	108.40	290.4 0	532.3 4	508.36	632.4 0	532.40	630.8 0	17.00	Nil	Nil	3256.50	320.00 Dt-01.07.18
2019	00	10.0 0	109.00	301.0 0	509.0 0	419.80	992.0 0	188.80	468.6 0	124.2 0	00	00	3121.60	170.80 dt. 23.7.19

**Maximum Gauge Reading in different Rivers (Torsa at Keshab Ashram, Raidak- I
at Tufanganj & Mansai at Mathabhanga) from 01.01.2008 to 31.12.2018**

Year	Torsa at Keshab Ashram D.L./ Y- 42.07 M E.D.L./ R- 42.68 M		Raidak-I at Tufanganj D.L./ Y- 35.30 M E.D.L./ R- 36.13 M		Mansai at Mathabhanga. D.L./ Y- 47.90 M E.D.L./ R- 48.40 M		Remarks
	Highest Gauge Reading	Date	Highest Gauge Reading	Date	Highest Gauge Reading	Date	
2008	41.90 Mts.	29/08/2008	35.60 Mts.	30/08/2008	47.94 Mts.	29/08/2008	
2009	42.02 Mts.	20/08/2009	35.85 Mts.	06/07/2009	48.18 Mts.	20/08/2009	
2010	42.34 Mts.	21/07/2010	35.04 Mts.	22/08/2010	48.00 Mts.	21/07/2010	
2011	41.28 Mts.	10/07/2011	34.81 Mts.	20/07/2011	47.40 Mts.	01/07/2011	
2012	41.88 Mts.	15/7/2012	36.09 Mts.	27/6/2012	48.05 Mts.	15/7/2012	
2013	42.00 Mts.	10/07/2013	36.04 Mts.	10/07/2013	48.00 Mts.	10/07/2013	
2014	42.38 Mts.	15/08/2014	35.41 Mts.	27/08/2014	48.00 Mts.	26/08/2014	
2015	42.04 Mts	01/07/2015	35.66 Mts.	22/08/2015	48.30 Mts	31/08/2015	
2016	42.52 Mts	22/07/2016	35.50 Mts.	23/07/2016	49.03 Mts	24/07/2016	
2017	42.92 Mts	12/08/2017	36.70 Mts	12/08/2017	49.25 Mts.	12/08/2017	
2018	42.08 Mts	04/07/2018	35.80Mts	05/07/2018	48.57Mts.	10/09/2018	
2019	41.96 Mts	17/09/2019	36.15 Mts	24.07.2019	47.80 Mts	12/07/2019	

List of Embankments having illegal encroachment under Coochbehar Irrigation Division

River	Name of Embankment	Locality	Block /Municipality	P.S.	Length of Embankment	Remarks
Torsa	Cooch Behar Town Protective Embankment	Fashir Ghat, Ward No. 16 & 18 of Cooch Behar Municipality	Cooch Behar Municipality	Kotwali	1.50 Km	
	Hanshowa Embankment	Madhupur under Madhupur G.P.	Coochbehar-II	Kotwali	3.00Km	
	Gheirhari Embankment	Madhupur under Madhupur G.P.	Coochbehar-II	Kotwali	2.50Km	
	Takagach Embankment	Takagachh under Takagachh Rajarhat G.P.	Coochbehar-II	Kotwali	1.00 Km	
Kaljani	Kholta Spill Checking Embankment	Kholta Under Marich bari G.P.	Coochbehar-II	Kotwali	0.30 Km	
Mansai & Sutunga	Mathabhanga Town Protective Embankment	Ward No. 1,2,3 & 5 of Mathabhanga Municipality	Mathabhanga Municipality	Mathabhanga	1.350Km	
	Marginal Embankment	Khaterbari & near Ward No. 7 of Mathabhanga Municipality	Mathabhanga Municipality	Mathabhanga	0.585Km	
Sutunga	Nagar Mathabhanga B.P. Work	Ward No. 11 of Mathabhanga Municipality	Mathabhanga Municipality	Mathabhanga	Scattered illegal encroachment throughout	
	Trinath Colony B.P. work.	Ward No. 9 of Mathabhanga Municipality	Mathabhanga Municipality	Mathabhanga	Scattered illegal encroachment	
	Earthen Embankment to Protect Mathabhanga Town	Ward No. 1,3,7 & 12 of Mathabhanga Municipality	Mathabhanga Municipality	Mathabhanga	1.80Km	
Raidak-I	Tufanganj Town Protective	Tufanganj Municipality	Tufanganj Municipality	Tufanganj	1.50 Km	

	Embankment					
Gadadhar	Gadadhar Embankment	Duria Balai area under Andaran Fulbari –II G.P.	Tufanganj-I	Tufanganj	0.20Km	
		Sahebbari Ghat under Dhalpal –II G.P.	Tufanganj-I	Tufanganj	0.20Km	
		Sahebbari Ghat under Dhalpal –I G.P.	Tufanganj-I	Tufanganj	0.50Km	

List of Char land having habitation, on both protected and unprotected areas, likely to be inundated in case of high discharge through the rivers during flood season 2018 in Dist. Coochbehar under Coochbehar Irrigation Division

River	Locality	Block	P.S.	Area in hector	Remarks
Torsa	Maltiguri , under Takagach G.P.	Cooch Behar-II	Kotwali	Approx 15 Hector	Char land which is likely to be Inundated during high flood discharge of river
	Haripur , under Madhupur G.P.	Cooch Behar-II	Kotwali	Approx 30 Hector	
	Trikhanda, under Madhupur G.P.	Cooch Behar-II	Kotwali	Approx 15 Hector	
	Jorai colony, under Pundibari G.P.	Cooch Behar-II	Pundibari	Approx 20 Hector	
	Hukakura, under Madhupur G.P.	Cooch Behar-II	Kotwali	Approx 12 Hector	
Mansai	Kajlikura, under Adabari G.P	Sitai	Sitai	Approx 40 Hector	
	Chat Natabari, under Adabari G.P.	Sitai	Sitai	Approx 47 Hector	
	Uttar Singimari under B.R.Chatra G.P.	Sitai	Sitai	Approx 267 Hector	
	Gabua, under B.R.Chatra G.P.	Sitai	Sitai	Approx 20 Hector	
	Kodaldaha Under Jorepatki G.P.	Mathabhanga-I	Mathabhanga	Approx 60 Hector	
Jaldhaka	Nityanandi Inderkuthi Under Kedarhat G.P	Mathabhanga-I	Mathabhanga	Approx 130 Hector	
	Uttar Rangapani Balasi Under Fulbari G.P.	Mathabhanga-II	Ghoksadanga	Approx 50 Hector	

Galandi	Katchakhawa (Uttar) Under Fulbari G.P.	Mathabhanga-II	Ghoksadanga	Approx 40 Hecter	
Dharala	Nendarpar Under Jorepatki G.P.	Mathabhanga-I	Mathabhanga	Approx 35 Hecter	
Raidak-II	Bhanukumari under Bhanukumari G.P.	Tufanganj-II	Boxirhat	Approx 400 Hecter	
	Jaldhowaghat under Mohishkuchi G.P.	Tufanganj-II	Boxirhat	Approx 100 Hecter	
	Fersha bari under Mohishkuchi G.P.	Tufanganj-II	Boxirhat	Approx 200 Hecter	
Sankosh	Dakshin Falimari & Chhat Falimari under Falimari G.P.	Tufanganj-II	Boxirhat	Approx 100 Hecter	
Kaljani	Talai, Jhaukhuthi, Char balabhut under Balabhut G.P.	Tufanganj-I	Tufanganj	Approx 400 Hecter	

CHAPTER 6:

CAPACITY BUILDING AND TRAINING MEASURES

Capacity Building develops and strengthens skills, competencies and abilities of both Government and non-government officials and communities to achieve their desired results during and after disasters, as well as preventing hazardous events from becoming disasters. When undertaking disaster management planning assessments, it is important that the indigenous traditions, methods and materials being used for disaster management locally are considered and incorporated appropriately. Local residents are likely to be the first emergency responders to such incidents, particularly in remote areas and, therefore, critical to the successful outcome.

Developing institutional capacity is very important. At the same time, by making the local community part of the process and solution would help in ensuring that disaster mitigation measures are more likely to be implemented and maintained over time. The capacity building plan should cater to the ‘differential capacity building needs’ based on the functional responsibilities assigned to stakeholders (refer table 8 giving sample of functions). It should address -

1. Institutional capacity building
 - i. Officials / policy makers

Details of Training of the District				
Sl. No.	Course	Venue	Period	No. of Participants
1.	Post Disaster Need Analysis (PDNA)	ATI, Saltlake, Kolkata	18.07.2016 to 22.07.2016	3
2.	Disaster Risk Reduction	Directorate, Tran Bhavan, Kolkata	11.08.2016 to 12.08.2016	2
3.	Child Centred DRR & CCA approach	Pool Side Banquet Hindustan, Internatinal, 235/1, AJC Bose Road, Kolkata	2.10.206 to 21.10.2016	3
4.	Dissemination workshop on Emergency Supply Chain Assessment	Park Circus Campus of Aliah University, Kolakat	10.11.2016	3
5.	Induction Training	ATI, Saltlake, Kolkata	05.12.2016 to 24.12.2016	2

6.	Workshop for preparation of module on event specific and area specific disasters	Directorate, Tran Bhavan, Kolkata	16.12.2016	1
7.	Post Disaster Need Analysis (PDNA)	ATI, Saltlake, Kolkata	26.12.2016 to 30.12.2016	2
8.	Induction Training	ATI, Saltlake, Kolkata	09.02.2017 to 03.30.2017	2
9.	Post Disaster Need Analysis (PDNA)	ATI, Saltlake, Kolkata	20.02.2017 to 23.02.2017	3
10.	Child Centred DRR	ATI, Saltlake, Kolkata	29.05.2017 to 31.05.2017	2
11.	Induction Training	ATI, Saltlake, Kolkata	06.11.2017 to 24.11.2017	2
12.	Child Centred DRR	ATI, Saltlake, Kolkata	06.12.2017	1
13.	Child Centred DRR	Alipurduar	27.12.2018	2
14.	TOT on Climate Change & Disaster Management	ATI, Saltlake, Kolkata	09.01.2018 to 11.01.2018	2
15.	Incident Response Software Previstar CPS	Cooch Behar	15.03.28	20
16.	Incident Response System	ATI, Saltlake, Kolkata	02.04.2018 to 06.04.2018	1
17.	DRR & Sustainable Development	RTC, Cooch Behar	11.12.18 to 13.12.18	30

Training Calendar for the Year 2019				
Sl. No.	Course	Venue	Period	No. of Participants
1	DRR	Cooch Behar I Block	02 days January-2019	30
2.	DRR	Cooch Behar II Block	02 days January-2019	30
3.	DRR	Tufanganj-I Block	02 days February-2019	30
4.	DRR	Tufanganj-I Block	02 days February-2019	30
5.	DRR	Dinhata-I Block	02 days June-2019	30
6.	DRR	Dinhata-II Block	02 days June-2019	30
7.	DRR	Sitai Block	02 days July-2019	30
8.	DRR	Mathabhanga-I Block	02 days Jul-2019	30
9.	DRR	Mathabhanga-I Block	02 days September-2019	30
10	DRR	Sitalkuchi Block	02 days September-2019	30
11.	DRR	Mekhliganj Block	02 days November-2019	30
12.	DRR	Haldibari Block	02 days November-2019	30
13	DRR	Cooch Behar	03 days December-2019	30

- ii. Engineers, Architects, Masons, Doctors, Nurses, Teachers and other professionals

Details of Training of the District				
Sl. No.	Course	Venue	Period	No. of Participants
1.	Disaster Management for Junior Engineers	ATI, Saltlake, Kolkata	09.01.2017 to 11.01.2017	3
2.	Combating Climate Change; National Solar Mission & Mission on Enhanced Energy	ATI, Saltlake, Kolkata	14.03.2017 to 16.03.2017	3
3.	Mainstreaming DRR into Development	ATI, Saltlake, Kolkata	03.05.2017 to 05.05.2017	1
4.	Earthquake Management for Jr. Engineers	ATI, Saltlake, Kolkata	15.05.2017 to 19.05.2017	1
5.	Disaster Management for Jr. Engineers	ATI, Saltlake, Kolkata	21.06.2017 to 23.06.2017	1
6.	Earthquake Risk Mitigation & Management	ATI, Saltlake, Kolkata	30.10.2017 to 01.11.2017	3
7.	Disaster Management for Jr. Engineers	ATI, Saltlake, Kolkata	08.11.2017 to 10.11.2017	
8.	Mainstreaming of DRR into Development	ATI, Saltlake, Kolkata	13.06.2018 to 15.06.2018	3

iii. State Police, Fire Services, State Disaster Response Force

2. Community capacity building and Community Based Disaster Management which should also focus on vulnerable groups – women, children, aged persons and persons with various kinds of disabilities.

3. Knowledge Management, networking and sharing

- i. Community registries to collate basic contact information for persons with disabilities

4. Training of Trainers

- i. Civil Defense/Home Guards/Volunteers

5. Disaster Management Education

- i. Schools
- ii. Colleges: medical, Engineering

6. Skill up gradation and follow up training programmes
7. Inventory of trained professionals, engineers, architects and masons, medical Professionals, rescue specialists etc.

Strengthening and capacity building of DM Institutions (SDMA and DDMA's) should be the first priority towards DM capacity building in the State. Training module, commensurate with the State / District specific requirements, should be designed and

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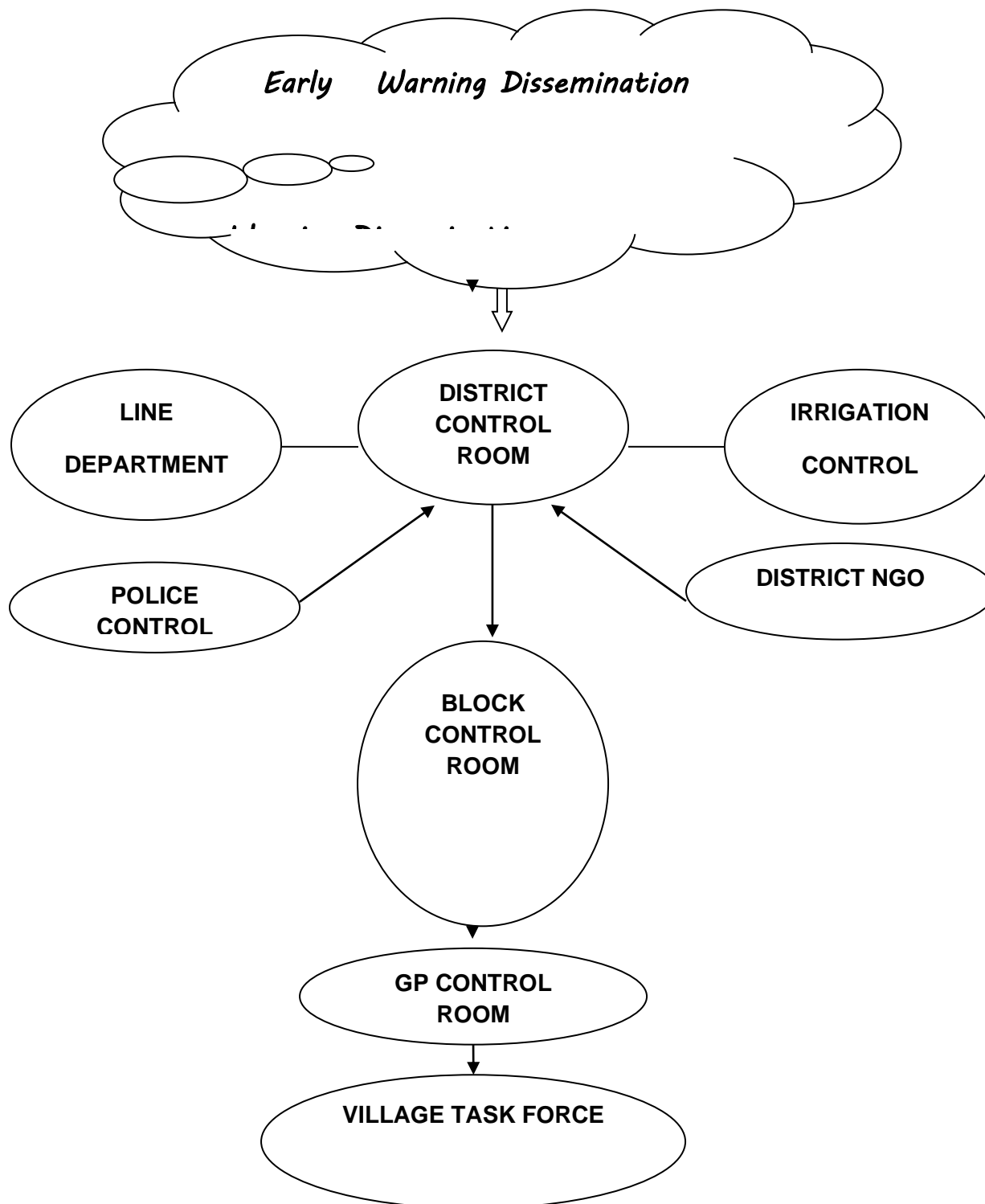
implemented in consultation with NIDM/NDMA. Capacity building requirement at all levels in institutional hierarchy as well as society should be addressed adequately.

Training and capacity building program should be integrated with the monitoring and evaluation system for effective revision of the program.

CHAPTER 7: RESPONSE AND RELIEF MEASURES

7.1: CRISIS-RESPONSE STRUCTURE OF THE SUB DIVISION :

Early Warning Dissemination and Response Plan



(A) Early Warning Dissemination and Response Plan :

Department	Response System			
	Preparedness	Pre (after Warning)	During Disaster	Post Disaster
Sub Division (SDDMO)	Will arrange to receive early warning from the District / MD / IWD / CWC and to inform the concerned agencies (BDO, BDMO, Police, Gram Panchayats, Govt departments etc) immediately by FAX, Phone	Control room to be kept open round the clock.	The message is required to be passed on to all areas which have been earmarked as vulnerable and to contact with all the rescue shelters.	Will make liaison with rescue and relief team, shelter management team and other teams.
1.Rural Development Department	Information should be communicated to all the officers of the line departments.	Will arrange to receive early warning from the District Office and to inform the concerned	Contact with other line departments are to be maintained 24 hrs.	
2.Disaster Management Department	Information should be communicated to all the officers of the line departments.			
3.Fisheries Department	To ensure safe drinking water in the affected areas all sources including Gram Panchayat, Panchayat Samiti, PHE etc. will be tapped suitable measures to install a good number tube wells in thrust areas. Arrangements can be made of sending water tanks to those areas where installing tube wells are not possible.			
4.Industry department	Health & Family Welfare Department will be moved to keep ready of sufficient quantum of bleaching powder, halozen tablets, AVS, etc. BMOH will arrange for medicine during and post flood situation.			
5.Water and Sanitation Department				

Education Department - Mainly looked after by Sub-Inspector of Schools (SI)	Make a list of nodal teachers' of all the schools and colleges Select experienced and competent NGOs/CBOs for orientation of the school children. Students from the schools	Arrange to talk with the head of the institutions and nodal teachers earmarked as rescue shelters.	To observe the situation Search and Rescue team may be called for operation. Shelter management team will start their works.	Shelters will start functioning fully and the shelter management team members will work as per plan.
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under the active guidance of Education Department and also by the EOMEE and LEOMEE under the active guidance of Block Development Officer and Executive Officer, Panchayat Samiti.	<p>(Class VIII and above) and colleges to be imparted training on disasters, mitigation measures, health matters, sanitation, search and rescue, etc.</p> <p>DRR team formation in schools and colleges, and make plans for mock drills in each institute.</p> <p>A list of victims should be made available with the nodal teacher.</p> <p>All nodal teachers will be considered as members of the concerned GPDMC. Meeting of the nodal teacher with block officials should be conducted.</p> <p>Emergency Preparedness and Response plans of such schools will be prepared and shared with the Block Officials.</p> <p>Required nos. of toilets, water points, cooking arrangements, ramps etc. will be in place much before the hazard.</p> <p>Students, teachers and parents teams will be formed for shelter management</p> <p>Who will do what, will be well documented and check list will be prepared and made available to all concerned teams.</p> <p>Do's & Don'ts with important contact nos. will be written in local language and put in prominent places.</p>	To arrange to transmit the message in the vulnerable areas		
Police - Police Authorities headed by Inspector in Charge	<p>Police personnel will remain alert.</p> <p>Volunteers to be given training to help police</p> <p>Keep vigil against antisocial activities.</p>	<p>Wireless set and man pack to be in operation.</p> <p>Vigilance to be maintained.</p>	Will observe the situation and to monitor closely.	<p>Intensified patrolling.</p> <p>Welfare attitude to build up.</p> <p>Vigilance to be kept continued.</p>
Revenue - Land and Land	A Team may be formed with selected staff headed by the Revenue Inspector at the GP	Team to be prepared and they will disseminate the	Will observe the situation and to monitor closely.	To assist the block administration in the rescue shelters.

Reforms department, Headed by Block Land and Land Reforms Officer	Level and Revenue Officer at the Block Level and to give them training.	warning among the villagers living in the protected and un protected areas.		Will assess the extent of damage and to inform the matter to the higher authority.
Health – Headed by Block Medical Officer, Health	<p>Several teams may be formed at different places with selected staff headed by the Health Supervisors and to impart trainings to them.</p> <p>Stock essential medicines, vaccines, AVS, Halogen tablets, Bleaching Powder etc. for emergency period as per plan.</p> <p>Organize GP wise orientations programmes for all health professionals including Health Supervisors, Health Assistants, ANMs, ASHA Karmis on how to execute the plan and role of different professionals and the coordination mechanisms.</p>	Teams to remain prepared and disseminate the warning among the villagers through their network.	Team members may join the shelter management teams.	Will assess the extent of damage and start health camps and closely monitor the situation to avoid any further health related disaster.
Irrigation - headed by SAE, Sech – O – Jalpath Daftar, Sech Sakha,	Will take care of the embankments of the Rivers in regards to rain-cuts, evidenced in some parts of the main embankment.	Will disseminate the warning among the villagers living in the protected and un protected areas.	To see the condition of the main embankments of the rivers. To keep co-ordination with local administration.	Construction of the damaged embankments are to be taken up immediately.
RD & R&B - The name of the department is Public Works department, Headed by Assistant Engineer PWD Roads	To form a team under the leadership of LDA at the GP level and to give them training.	To arrange for transmitting messages among the villagers in vulnerable areas and to coordinate with the Block administration.	To keep co-ordination with local administration.	Will assess the actual damage and will take necessary steps to ensure playability of the affected roads.
AH Dep. - The name of the	To form a team under the leadership of LDA at the GP level and to give them training.	To arrange for transmitting message among the	To keep co-ordination with local administration	Will assess the actual damage and will take necessary

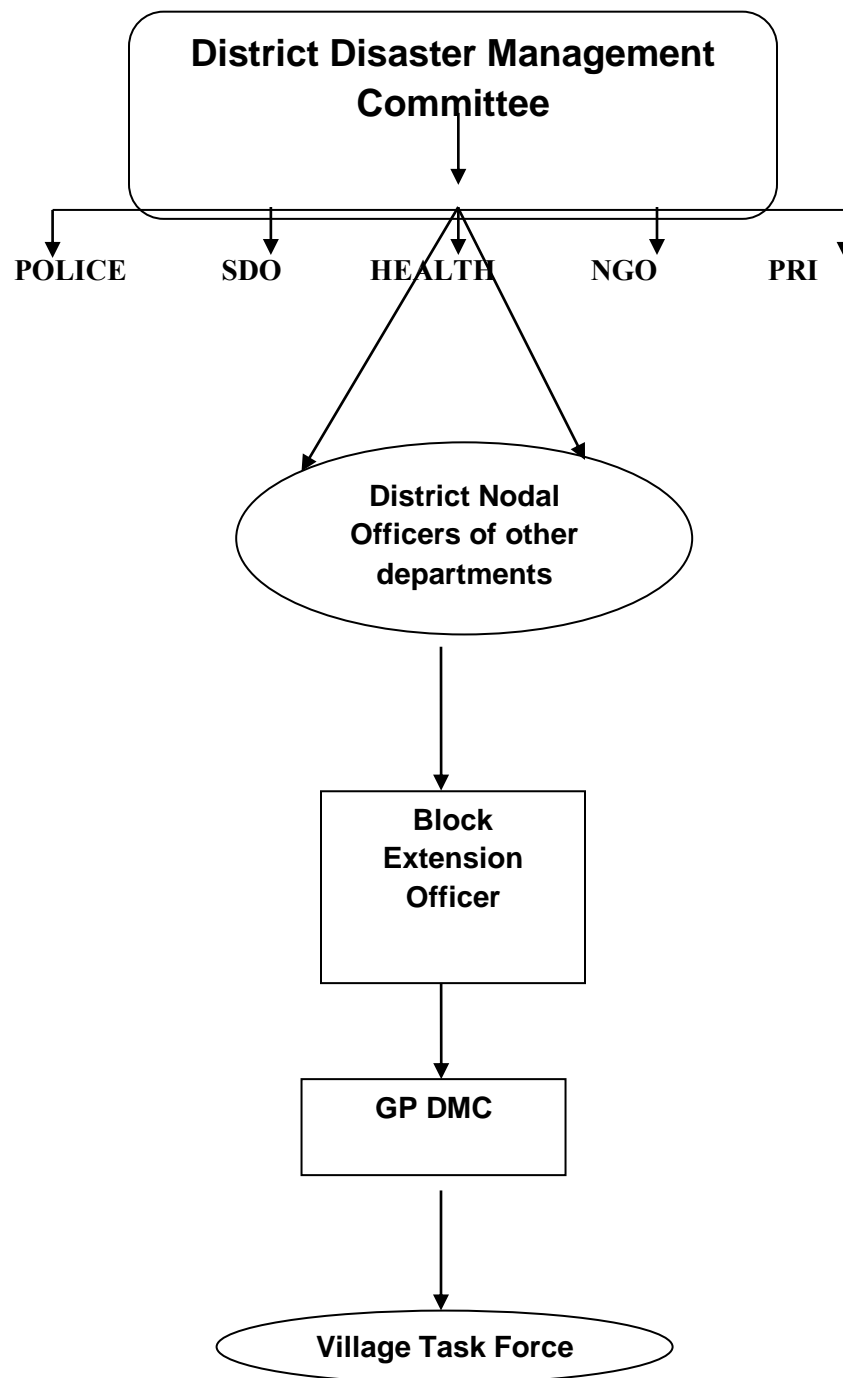
department is Animal Husbandry, headed by Block Live Stock Development Officer		community in vulnerable areas through their village level network.		steps to ensure Cattle vaccination, cattle fodder etc.
Electric	To take precautionary measures for maintaining the cables and to form a team. The department also takes care of the poles during monsoon to prevent hazards from electrocution..	To keep their team ready.	To keep co-ordination with local administration.	To inspect the electric lines and to restore normalcy as early as possible.
Agriculture - Looked after by the Agriculture Development Officer	To form a team with the farmers headed by the KPS at the GP level. To record date wise maximum and minimum temperature at the block and rainfall.	To arrange for transmitting message among farmers in vulnerable areas.	To keep co-ordination with local administration.	Will assess the actual damage in terms of crop and cultivated area etc. and the names of affected farmers and will take necessary steps to ensure supply of minikits and others specially for re vitalizing the affected land of the farmers, To counsel the farmers in matters of re-vitalizing the land especially where the lands are covered by silts.
Public Health Engineering deptt.	Ready with materials & stock of Bleaching powder etc. at Divisional & Sub divisional Level	1)Inform all R.W.S. staff posted at different Blocks through AE, Cooch Behar R.W.S. sub division. 2)Alert all sub divisional staff through Executive Engineer, Cooch Behar Division & Northern	All works will be taken up through AEs/SAEs/Mech.?Hel pers RWS posted in different blocks.	Restoration works of different PWSS through sub divisions under Cooch Behar Division & Cooch Behar Mechanical sub division, P.H.E. Dte.

		Mechanical Division, P.H.E. Dte.		
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NGOs	To arrange for extensive sensitization programme. Volunteer team to be kept ready vulnerable area wise.	To keep contact with GP and block administration. To arrange to pass the message in the vulnerable areas.	Rescue Operation To arrange for shifting the affected people in the safer places. To keep co-ordination with local administration.	Provide relief. Provide medicines and safe drinking water First aid and medical care
Gram Panchayat bodies	To arrange for making a network for transmitting the message among the villagers in the vulnerable areas.	To arrange for transmitting message among farmers in vulnerable areas.	To keep co-ordination with local administration.	Arrangement to be taken for taking the affected people to the temporary relief shelters and to inform the matter to the block administration. A close contact with the evacuation, search and rescue team is also very much needed.
Food & Supplies Deptt.	Will take all action so that a buffer stock of 4000 Lts. of K.Oil may be arranged and kept ready for use during contingencies as there is no electricity in the vulnerable areas. To prepare a list of all the stockist, fair price owners and also to monitor them. To arrange for a network	To keep their team ready.	To keep co-ordination with local administration.	A close contact with the evacuation, search and rescue team is very much needed To inform the matter to the block administration To inspect the situation to check the

	<p>with the MR/GR Dealer at the GP level and arrange to disseminate the message as has been received from the authority to the vulnerable areas.</p> <p>Do's and Don'ts and important telephone nos. are required to be displayed at the shop premises and at the petrol pumps so that every villagers / visitors can access the information to prepare themselves.</p>			price hike of the essential commodities.
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7.2: Evacuation, Search and Rescue Response



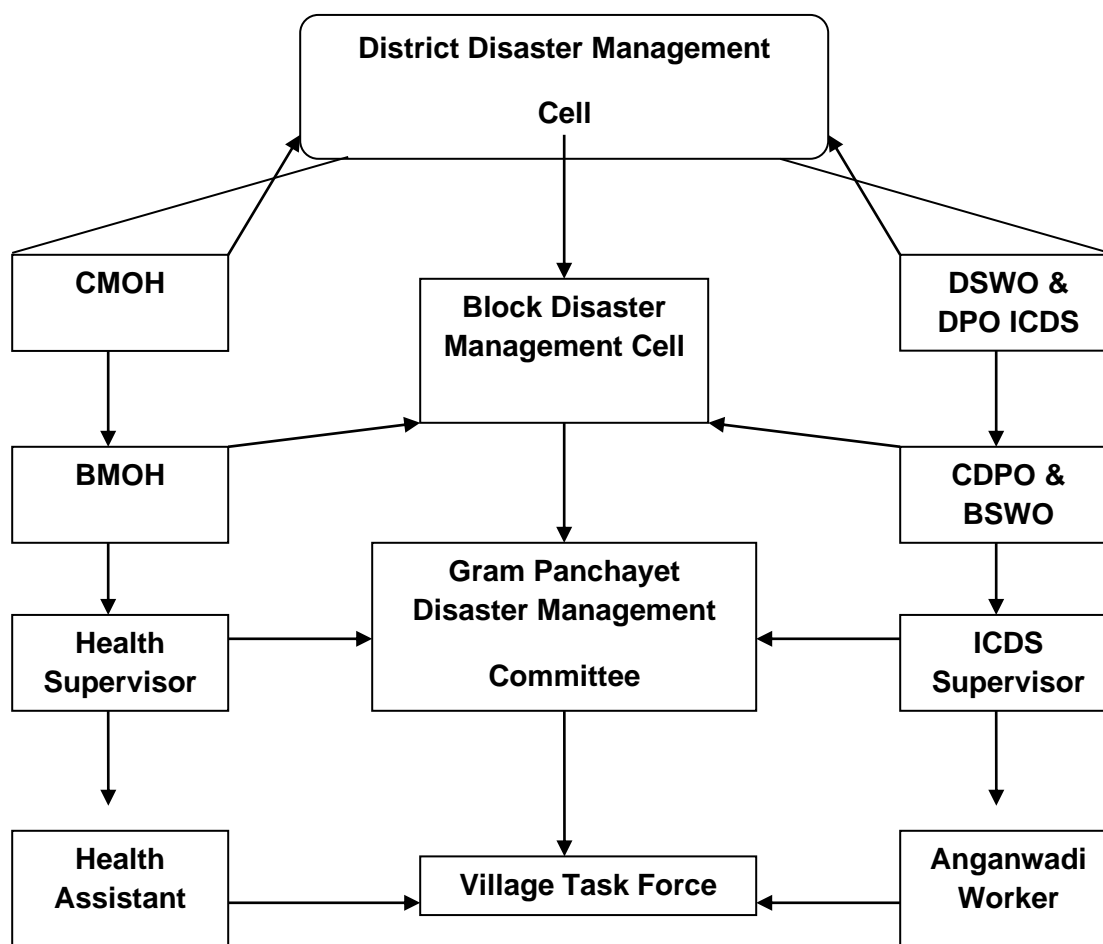
(B) Evacuation, Search and Rescue:

Department	Evacuation, Search and Rescue Response Structure and System			
	Preparedness	Pre(after Warning)	During Disaster	Post Disaster
Disaster Management Department/SDDMO/ CIVIL DEFENCE/ BDDMO / Panchayat Samiti/NGOs	<ul style="list-style-type: none"> -Shelters to be identified. -A list of the same is to be given to the Prodhans. -The Head of the institutions are also to be required to be informed well in advance. -Necessary relief materials to be kept ready. 	Concerned Disaster Management Teams of the GP to be kept on alert.	To watch the situation and to coordinate with others.	<ul style="list-style-type: none"> -To monitor search and rescue operation of all the departments. - They will also prepare a record of missing people and inform the report to the higher authority.
Police	<ul style="list-style-type: none"> -Police personnel will remain alert. -Volunteers to be given training to help police. -To Keep vigil against antisocial activities. 	To be aware of the temporary shelters and its' particulars.	Will observe the situation and to monitor closely.	<ul style="list-style-type: none"> -Intensified patrolling. -Welfare attitude to build To Keep vigil against antisocial activities. -They will also prepare a record of missing people and inform the report to the Block Development Officer of the Block
Medical	<ul style="list-style-type: none"> -Sensitization programme in the vulnerable areas. -A team to be formed and to be informed to the block administration and to the Gram Panchayat Prodhans.G.P. -Health Supervisors are to arrange to counsel to the people of the vulnerable 	<ul style="list-style-type: none"> -They are supposed to stock water purifying tablets, medicines, blade, bandage, iodine, ointment, ORS, delivery equipments etc., which will be used at the rescue shelters or during and after 	<ul style="list-style-type: none"> -They will inform the Prodhans of the Gram Panchayat, BDO/ BMOH/ Savapati of the Panchayat Samiti for supply of medicines and allied items whenever the stock decreases. - To keep co-ordination with 	<ul style="list-style-type: none"> -They will keep list of all infectious patients and try to keep all infectious patients in the rescued shelters separately at a safe distance from other rescued persons. -The team will be required to counsel affected persons who lost their

	areas regarding purification of water and other allied matters.	calamity.	local administration.	relatives and property or only property. -All bereaved or stressed people will be given counsel/solution by the members of this team. Some members should be women. -They will constantly counsel rescued persons in the rescue shelters and see that no rescued person gets mentally derailed.
Embankment/ PWD/ Irrigation	-Will take care of approach roads towards specific areas assessed to be vulnerable. -Gram Panchayat Prodhans are to take appropriate measures pertaining to their respective areas in matters of ensuring pliability of village roads especially in vulnerable areas. In this matter, convergance of disaster management in to development plans to be taken up.	To be on alert	Will observe the situation and to monitor closely.	Will help the GP administration and block administration.
GO/ Volunteer	-This team has special responsibility of rescue of the affected persons. -The members of this team will also require rescue equipments like life jackets, life lines, rope, tyre, life jacket torch saw etc. . which will be used at	They will keep a list of the owners of carts, vans, four-wheeler, boats, etc so that at the time of calamity, these things can be utilized by the members of this team.	After getting information from the early warning team, will immediately visit all the low-lying areas , request all people to get out of their homes with important belongings and	-They will reach affected areas quickly and safely with doctors, relief materials and volunteers,. -They will also prepare a record of missing people and inform the report to the Block Development Officer of the Block

	the time of rescue during calamity		<p>cattle.</p> <p>-They will see that discipline is maintained by all the villagers at the time of the calamity because discipline will curtail rescue time.</p> <p>-Members of this team will complete evacuation before calamity actually strikes and they will also take shelter in the rescue shelters.</p>	<p>and the Prodhan of Gram Panchayat.</p> <p>-During a calamity, members of this team will arrange for transporting villagers who may fall sick, to the nearest health centre.</p> <p>-Will help people to remove their belongings and to bring them to rescue shelters</p> <p>-They will also keep a watch on the rescued materials</p>
Public Health Engineering	Water pouch, Tanker, spout arrangement at nearby PWSS, collection of water disinfectants (Holo gen tab., chorine tab, Bleaching powder, onsite mobile analysis system etc.	Procurement of materials.	Engaged all RWS Mech/ Senior workmen posted at different blocks for disinfection & repair of spot source headed by SAE,RWS	Restoration of PWSS & spot source with the help of Divisional & sub divisional staff/ Agencies

First Aid & Health Services



(C) Medical and First Aid:

Departments	Medical Aid Response System			
	Preparedness	Pre (after warning)	During	Post
	<p>-Sensitization programme in the vulnerable areas.</p> <p>-Team to be formed.</p> <p>-Health Supervisors are to arrange to give counsel to the people of the vulnerable areas regarding purification of water and other allied matters.</p>	<p>-They are supposed to stock Halogen tablets / Aqua tabs, medicines, blade, bandage, iodine, ointment, ORS, delivery equipments etc., which will be used at the rescue shelters or during and after calamity.</p>	<p>-They will inform the Prodhan of the Gram Panchayat, BDO/ BMOH/ Savapati of the Panchayat Samiti for supply of medicines and allied items whenever the stock decreases.</p> <p>- To keep co-ordination with local administration</p>	<p>-They will keep list of all infectious patients and try to keep all infectious patients in the rescued shelters separately at a safe distance from other rescued persons.</p> <p>-The team will be required to counsel affected persons who lost lives and property or only property.</p> <p>-All bereaved or stressed people will be counseled /given solutions by The members of this team. Some members will be women.</p> <p>-They will constantly counsel rescued persons in the rescue shelters and see that no rescued person gets mentally derailed.</p>

BWO	-Arrange for sensitization Programme with the Health Department. -Request the Health Dept. to prepare a blueprint of their proposed action.	Keep a liaison with the Health Department	Will observe the situation and monitor	To assist the Health Department.
ADO/BLDO	-Will take necessary steps to ensure stock in respect of cattle fodder as per assessment and the VS will arrange for cattle vaccine etc. to combat flood situation. -VS will also complete the cattle vaccination before heavy rainfall. -To form a team with the farmers headed by the LDA and also block supervisors at the GP level.	To be on alert.	Will observe the situation and to monitor closely.	Will help the GP administration and block administration.

(D) CARCASS/DEAD BODIES' DISPOSAL

Departments	Preparedness	Pre (after warning)	During	Post
Health & Family Welfare	Sensitization programme	To observe the situation.	Keep on monitoring	<ul style="list-style-type: none"> • Arrange for post mortem • Give the post mortem report to the police • Keep record and inform BDO
Police	Sensitization programme	To observe the situation.	Keep on monitoring	<ul style="list-style-type: none"> -Prepare a list of dead bodies. -Maintain Law & Order -Arrange for post mortem -Keep record and inform BDO
ADO/BLDO	Sensitization programme	To observe the situation.	Keep on recording	<ul style="list-style-type: none"> -Prepare a list of animal population died. -Arrange for removal and burry
BDO/Gram Panchayat	Sensitization Programme.	To observe the situation.	To observe the situation.	<ul style="list-style-type: none"> -Will take necessary steps under the supervision of IC/OC of the Police Station and BMOH of the Concerned Block. -Arrange for removal and burry.
NGO Volunteers	To take part in the Sensitization Programme	To form a team and to contact with the GP Officials	To observe the situation.	Will take necessary steps under the supervision of GP Prodhan and IC/OC of the police Station.

(E) SHELTER MANAGEMENT

Departments	Shelter Management - Response System			
	Preparedness	Pre (after Warning)	During	Post
DISASTER Management Deptt/ SDDMO/BDMO / Panchayat Samity/Cibil Defence/NGOs	-Discussion, Co-ordination, -To visit the rescue shelter or the proposed rescue shelters for making the shelter habitable. -To reach the rescue shelters before hand -To ensure health and nutrition components in the food which will be supplied to the rescued people at the shelters.	-To take care of Rescue shelters, Safe shelter, Supply of food, Water and medicines to the rescued people. -To arrange for stocking water, sanitation, and separate sanitation for women. -To arrange for food utensils and medicines at the proposed rescue shelters at the time of actual calamity.	Observation.	-To keep list of all infectious patients and try to keep all infectious patients in the rescued shelters separately at a safe distance from other rescued persons. -To counsel affected persons who lost lives and property or only property. All bereaved or stressed people will be required to be given counsel/solution by the members. - To see that no rescued person gets mentally derailed.
Police	To arrange for sensitization programme. To arrange for a team	To arrange to maintain law and order in and around the shelters.	Observation.	To maintain law and order.

Electricity	Plan for temporary electric supply to be ready and to submit a report to the B.D.O.	To form a team and to keep their instruments ready.	Observation.	Construction of the temporary installation in the temporary shelter to be executed.
NGO/ Volunteers	-Discussion, -Co-ordination, -Observation. -This team will ensure health and nutrition in the food which will be supplied to the rescued people at the shelters. -Members of this team are required to visit the rescue shelter or the proposed rescue shelters for making the shelter habitable. -Before actual calamity strikes, the members of this team will reach the rescue	-This team will take care of Rescue shelters, Safe shelter, Supply of food, Water and medicines to the rescued people. -They will also arrange for stocking water, sanitation, and separate sanitation for women. -Members of this team will arrange for food utensils and medicines at the proposed rescue shelters at the time of actual calamity.	Observation.	-They will also arrange for keeping the rescue shelters clean and germ-free by spreading bleaching power around the shelter. -Special care will be taken by the members of this team for children, aged persons, infirm and sick persons, pregnant and lactating mothers. -Members of this team will also arrange for recording the names of every rescued persons and for issuing identification slips to them

	shelters beforehand.			so that by showing these slips the rescued persons may obtain supply of food, water and medicine.
RWS & S	Action Plan to be prepared and to submit a report.	To form a team and to keep their instruments ready.	Observation.	Temporary installation of Tube wells in the temporary shelter and also arrange for purification of water and disinfection of the tube wells in the vulnerable areas.
Medical / ICDS / PHE	<p>-Sensitization programme in the vulnerable areas.</p> <p>-Teams to be formed and to be informed to the block administration and to the Gram Panchayat Prodhans, G.P.</p> <p>-Health Supervisors are to arrange to counsel to the people of the vulnerable areas regarding purification of water and other allied matters.</p>	They are supposed to stock Halogen/Aqua Tabs, medicines, blade, bandage, iodine, ointment, ORS, delivery equipments etc., which will be used at the rescue shelters or during and after calamity.	They will provide first-aid services to rescued persons	<p>-They will keep list of all infectious patients and try to keep all infectious patients in the rescued shelters separately at a safe distance from other rescued persons.</p> <p>-The team will be required to counsel affected persons who lost lives and property or only property.</p> <p>-All bereaved or stressed people will be counseled by the members of this team. Some members will be women.</p> <p>-They will constantly counsel rescued persons in the rescue shelters and see that no rescued person gets mentally derailed.</p>

(F) Water and Sanitation

Departments	Health and Sanitation Response System			
	Preparedness	Pre (after Warning)	During	Post
PHE / SDDMO/BDMO / Sanitary Inspector	<p>-Sensitization programme in the vulnerable areas.</p> <p>A team to be formed and to be informed to the block administration and to the Gram Panchayat Prodhans.G.P.</p>	-They are supposed to stock water purifying tablets, medicines, blade, bandage, iodine, ointment, ORS, delivery equipments etc., which will be used at the rescue shelters or during and	-They will supply first-aid to rescued persons and inform the Prodhan of the Gram Panchayat, Block	<p>-They will keep list of all infectious patients and try to keep all infectious patients in the rescued shelters separately at a safe distance from other rescued persons.</p> <p>-The team will be required to counsel affected persons who lost lives and property or only</p>

	<p>-Health Supervisors are to arrange to counsel to the people of the vulnerable areas regarding purification of water and other allied matters.</p>	after calamity.	<p>Development Officers/ Block Medical Officer of Health/ Savapati of the Panchayat Samiti for supply of medicines and allied items whenever the stock decreases. -To keep co-ordination with local administration.</p>	<p>property. -All bereaved or stressed people will be given counsel/solution by the members of this team. Some members will be women. -They will constantly counsel rescued persons in the rescue shelters and see that no rescued person gets mentally derailed.</p>
RD/NGO /volunteers	<p>-People will be instructed by these members to develop sanitation in their families before, during and after the calamity. -Before a calamity, this team will arrange for raising the platform of some of the tube wells so that people can use those tube wells during inundation. -The team will prepare a list of all Children, pregnant mothers and physically handicapped persons, infirm and aged persons of the village and obtain information on their medical treatment.</p>	<p>-Members of Water and Sanitation Team will try to collect sufficient quantity of Bleaching Powder and water purifying tablets. -They are supposed to stock water purifying tablets, medicines, blade, bandage, iodine, ointment, ORS, delivery equipments etc., which will be used at the rescue shelters or during and after calamity.</p>	<p>-It is the duty of this team to see that no rescued person go for open defecation. -They will supply first-aid to rescued persons and inform the Prodhan of the Gram Panchayat, Block Development Officers/Block Medical Officer of Health/ Savapati of the Panchayat Samiti for supply of medicines and allied items whenever the stock decreases.</p>	<p>-They will see 1.that Rescue centers have separate toilets and 2. Rescued people use temporary toilets prepared near the rescued centers. 3. Members of this team will also arrange for clearing drainage and maintain the cleanliness. -These members will ensure that rescued persons use only fixed toilets. -These members will also stay at the rescue centres during calamity. -After the calamity, it is the duty of these members to spread Bleaching Powder and other disinfectant in and around affected areas to clear the rescue centers, temporary toilets, guide people to use purified water only and to help villagers to use purified water of the tube wells and wells. -They will keep list of all infectious patients and try to keep all infectious patients in the rescued shelters separately at a safe distance from other rescued persons.</p>

(G) Relief

Departments	Health and Sanitation Response System			
	Preparedness	Pre (after Warning)	During	Post
Disaster Management Department/ SDDMO/BDMO/GP	Discussion, Co-ordination, discipline, observation, arrangement of stocking of relief articles etc.	To see that storage of packets, baby food, dry food, medicine, torch, dry cell, kerosene oil, hurricane, fuel wood bamboo, rope, tarpaulin sheet etc. at the temporary rescue shelters. Fodder and medicine for cattle should also be stored.	Observation To see as to the affected persons' coming in the rescue shelter	-To arrange for supplying relief materials to rescue centers as per plan -To arrange for keeping a vigil that all rescued persons are provided with relief materials. -To maintain proper accounts for receiving and distributing all relief material. -To assess damages and arrange for compensation for the villagers.
BLDO	-Will take necessary steps to ensure stock in respect of cattle fodder as assessment and the VS will arrange for cattle vaccine etc. to combat flood situation. -VS will also complete the cattle vaccination before heavy rainfall. -To form a team with the farmers headed by the LDA and also block supervisors at the GP level.	To be on alert	Will observe the situation and to monitor closely.	Will help the GP administration and block administration.
RWS	Action Plan to be prepared and to submit a report to the B.D.O.	To form a team and to keep their instruments ready.	Observation.	Installation of temporary Tube wells in the temporary shelters and also arrange for purification of water and disinfection of the tube wells in the vulnerable areas to be made.

NGO/Volunteers	Discussion, Co-ordination, discipline, observation, arrangement of stocking of relief articles etc.	This team will be responsible for stocking packets, dry food, medicine, torch, dry cell, kerosene oil, hurricane, fuel wood bamboo, rope, tarpaulin sheet etc. at the temporary rescue shelters. Fodder and medicine for cattle should also be stored.	They will see as to the affected persons' coming in the rescue shelter	-This team will supply relief materials to rescue centers as per provisions. -Some of the members of this team may stay at the rescue shelters to keep a vigil that all rescued persons are provided with relief materials. -They will maintain proper accounts for receiving and distributing all relief material. -This team will also assess damages and arrange for compensation for the villagers.
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(H) Infrastructure Restoration

	Departments					
	P & RD	PWD	Irrigation	Electrical	RWS& PHE	Block
Preparedness	Yes	Yes	Yes	Yes	Yes	Yes
Pre (after warning)	Yes	Yes	Yes	Yes	Yes	Yes
During	Yes	Yes	Yes	Yes	Yes	Yes
Post	Yes	Yes	Yes	Yes	Yes	Yes

(I) Cattle Camps

	Departments		
	BLDO	BDO / Panchayat Samity	NGO/Volunteer
Preparedness	Yes	Yes	Yes
Pre (after warning)	Yes	Yes	Yes
During	Yes	Yes	Yes
Post	Yes	Yes	Yes

(Note: For all the eight groups' roles and responsibilities should be defined for flood, cyclone, Drought, fire, earthquake, chemical hazard depending on the vulnerability of the area)

7.3: CHECKLISTS: DO'S AND DON'TS :

Hazard Specific Instructions

Important Guidelines in case of Emergency

- Listen to a battery-powered radio and follow local evacuation instructions.
- Secure your home: Unplug electrical equipment, such as radios televisions and small appliances such as toasters heaters, etc.
- Leave freezers and refrigerators plugged in unless there is a risk of flooding.
- Follow recommended evacuation routes. Do not take shortcuts; they may be blocked.
- Be alert for washed-out roads and bridges.
- Do not drive into flooded areas.
- Stay away from downed power lines.

a) Operational Guidelines of what to do in the event of a Flood.

Do's	Don'ts
<ul style="list-style-type: none"> • Avoid building in a floodplain unless you elevate and reinforce your home. • Elevate the pumps and electric panel if susceptible to flooding. • Install 'check valves' in sewer traps to prevent flood water from backing up into the drains of your home. • Construct barriers (levees, beams, floodwalls) to stop floodwater from entering the building. • Seal walls in basements with waterproofing compounds to avoid seepage. <p>if a flood is likely in the area</p> <ul style="list-style-type: none"> • Listen to the radio or TV for information. • Be aware that flash flooding can occur. If there is any possibility of a flash flood, move immediately to higher ground. Do not wait for instructions to move. • Be aware of streams, drainage channels, canyons, and other areas known to flood suddenly. Flash floods can occur in these areas with or without such typical warnings as rain clouds or heavy rain. <p>If you must prepare to evacuate, you should do the following:</p> <ul style="list-style-type: none"> • Secure your home. If you have time, bring in outdoor furniture. Move essential items to an upper floor. • Turn off utilities at the main switches or valves if 	<ul style="list-style-type: none"> • Do not enter deep, unknown waters. • Do not go near the riverbank even after the floodwater has receded. • Do not try to leave the safe shelter to go back home until the local officials declare normalcy after flood and instruction to return home are not given. • Do not use polluted water. • Do not follow any shortcut for rescue work. • If you find any breakage in the drainage system stop using latrines and do not use tap water. • If the floodwater has entered the house or has surrounded the house, then it is advisable not to enter such house.

instructed to do so. Disconnect electrical appliances. Do not touch electrical equipment. If you are wet or standing in water.

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

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

After a Flood, Do these

- There is a possibility of spread of water borne diseases after flood, hence medical treatment should be taken immediately.
- Sprinkle medicines in the stagnant dirty water.
- Inspect your house for any cracks or other damage. Check all the walls, floor, ceiling, doors and windows, so that any chance of house falling down can be known and you can be aware about the immediate danger.
- Keep listening to weather forecast on radio and television. Move to your residence only when instructed by the competent authority. It is not safe to believe that the
- problems have ended after the flood water have receded.
- Inform the competent authority/officer for restoration of the necessary connections like gas, electricity, telephone, drainage, etc.
- Beware of the various insects or poisonous snakes that may have been dragged inside the house along with the floodwater.
- Destroy the food commodities that have been affected by floodwater.
- Check properly all the electric circuits, floor level furnace, boilers, gas cylinders, or electric equipments like motor pump etc. Check whether any inflammable or explosive item has not entered along with the floodwater.
- Switch off the main electric supply, if any damage is noticed to the electric equipments.
- Sewerage system should be checked and any damage should be repaired immediately so as to curtail spread

<p>of diseases.</p> <ul style="list-style-type: none"> • Empty the water clogged in the basement slowly with help of water pump so that damage to infrastructure can be minimized • Check gas leakage which can be known by smell of gas or by hearing the sound of leakage; immediately open all windows and leave the house. • Boil drinking water before use and drink chlorinated water. • Eat safe food. • Rescue work should be undertaken immediately after flood situation as per the instructions. 	
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b) Operational Guidelines of what to do in the event of a Cyclone.

c)

Do's	Don'ts
<p>Do's if you are in a cyclone prone area</p> <ul style="list-style-type: none"> • Make plans to secure your property. • Install straps or additional clips to securely fasten your roof to the frame structure. • Trees and shrubs should be well trimmed. • Clear loose and clogged rain gutters and downspouts. • Secure loose objects like boats, drums, etc. <p>In case of a cyclone</p> <ul style="list-style-type: none"> • Listen to the radio or TV for information. • Secure your home, close storm shutters, and secure outdoor objects or bring them indoors. • Turn off utilities if instructed to do so. • Avoid using the phone, except for serious emergencies. • Ensure a supply of water for sanitary purposes. <p>You should evacuate under the following conditions:</p> <ul style="list-style-type: none"> • If you are directed by local authorities to do so. • If you live in mobile home or temporary structure— such shelters are hazardous during cyclones no matter how well fastened to the ground. • If you live in high rise buildings—Winds are stronger at higher elevations. • If you live on the coast, on a floodplain, near a river, or an inland waterway. • If you feel you are in danger. <p>if you are unable to evacuate, go to a wind safe room.</p> <p>If you do not have one, follow these guidelines:</p>	<ul style="list-style-type: none"> • Keep curtains closed. Do not be fooled if there is a lull; it could be the eye of the storm. Winds will pick up again.

<ul style="list-style-type: none"> • Stay indoors during the cyclone and away from windows and glass doors. • Close all interior doors - secure and brace external doors. • Take refuge in a small interior room, closet or hallway on the lowest level. • Lie on the floor under a table or another sturdy object. 	
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Operational Guidelines of what to do in the event of an Earthquake

Do's	Don'ts
<p>Points To Remember: prepare yourself</p> <ul style="list-style-type: none"> • Insure your house against damage. • Before you buy a flat, check legality of the construction – ask for copy of the ‘Building Use permit’ or ‘occupation certificate’. • Ensure all cabinets, wall hangings are anchored to the walls. • Sensitize your neighbours about the earthquake risk they face and organize repair work if required. • Get your building reviewed by a competent and registered structural engineer. • Structural retrofitting should be done only under supervision of a structural engineer. • Ensure all clearances before construction of new building. • Check if the land is not prone to flooding. • Check the soil is not soft and is not liquefiable and build on solid natural ground. • Get your building plans approved from the relevant authorities. • Ensure there is good connection between roof and walls, foundation and walls, at wall corners. • Enforcement of building byelaws. • Strengthening of public buildings. <p>When You Know there is an Earthquake do this!</p> <ul style="list-style-type: none"> • If already inside, then stay indoors! Get under a heavy desk or table and hang on to it. • If fire breaks out, drop on the floor and crawl towards the nearest exit. • If you are out doors during the earthquake, keep away from buildings, trees and electricity lines. Walk towards open places, in a calm and composed manner. • If you are driving, quickly but carefully move your car as far out of traffic as possible and stop. Stay inside the car until shaking stops. • If you are in a school, get under a desk or table and hold on to it. • If you are near an exit, leave the building as soon as possible. • If you are in high-rise building, staircase do drop cover and hold sit or lie besides under mentioned furniture. <p>After An Earthquake</p>	<ul style="list-style-type: none"> • Do not panic • Do not stop on or under a bridge or overpass or under trees, light posts, power lines, or signs. • Do not be afraid of the aftershocks. • Do not enter into the unsafe or risky houses or building

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|---|--|
| <ul style="list-style-type: none"> • Listen to radio or TV and other media for Government Announcements. • Check for injuries to yourself and those around you. Take first aid where you can. • Extinguish fires, if any. • Examine walls, floors, doors, staircases and windows to make sure that the building is not in danger of collapsing. • Inspect for Gas leaks — if you smell gas or hear blowing or hissing noises, open a window and quickly leave the building. Don't light your kitchen stove if you suspect a gas leak. • Do not keep telephone lines busy unnecessarily. • Switch off electric lines. | |
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CHAPTER 8:

RECONSTRUCTION, REHABILITATION AND RECOVERY MEASURES

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

Damage assessment mechanism:- Damage Assessment is a preliminary onsite evaluation of damage or loss caused by an accident or natural event. Damage assessments record the extent of damage, what can be replaced, restored or salvaged. It may also estimate the time required for repair, replacement and recovery.

Damage assessment is an integral part of facilitating effective and efficient response by government agencies and other organisations. Good damage assessment would start the ball rolling for effective response and relief operations such as evacuation, sheltering, search and rescue, mass casualty management, etc.

Damage assessment would be conducted as soon as possible after the disaster, but assessors must put their own safety first. The **Initial Situation Overview (ISO)** is carried out to obtain as quickly as possible a broad picture of the extent of damage caused by the impact. It is typically carried out and submitted within the first 8 hours after the event and focuses on issues such as casualties, displacement of the population and damage to lifelines and critical facilities. It is largely based on observations reported by key organizations and officials through general reconnaissance rather than detailed field assessment. The ISO often involves observation from an aircraft, sometimes satellite photographs, and various other reports. The information from the Initial Situation Overview allows national/local officials to determine immediate actions necessary to respond to the effects of the hazard.

1. Restoration of basic infrastructure

Short term - Restoration of Basic Infrastructure including roads, bridges, drinking water supply, electricity, communication network and roads/ paths leading to the villages; Restoration/ Repair of the lifelines/critical buildings – repair/reconstruct the lifeline buildings /critical buildings which are necessary for treating the affected people or rehabilitation in these buildings as shelters.

2. Reconstruction and Repairs

3. Recovery program (both short and long term)

The nodal departments are to be assigned the responsibilities of reconstruction and restoration activities, perform these activities diligently and restore the minimum basic infrastructure in the area which is vital for sustaining human life in the area. These departments are PWD, Health & family welfare, Electricity Boards, Development authority, Roads and Buildings, water supply and sanitation departments.

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Reconstruction /Rehab/Prevention/Mitigation Plans

Irrigation :

A. SHORT TERM MEASURES:

1. Procurement of sand, sand bags and empty bags as flood fighting materials and storing them at pertinent locations well in advance.
- 2.

Agriculture :

TENTATIVE REQUIREMENTS OF INPUTS FOR EARLY & LATE FLOOD AND DRAUGHT

WBSSC Ltd. will be requested to be prepared for supply of required quantity of seeds of specific varieties as follows-

Public Health Engineering :

CHAPTER 9:

FINANCIAL RESOURCES FOR IMPLEMENTATION OF DDMP

District Disaster Response Funds and District Disaster Mitigation Funds are proposed to be created at the District Level as mandated by Section 48 of the DM Act. The disaster response funds at the district level would be used by the DDMA towards meeting expenses for emergency response, relief, rehabilitation in accordance with the guidelines and norms laid down by the Government of India and the State Government.

All State Government Departments, Boards, Corporations, PRIs and ULBs would prepare their DM plans, including the financial projections to support these plans. The necessary financial requirements would be made a part of their annual budgetary allocations and ongoing programmes and used for mitigation and preparedness measures. They will also identify mitigation projects and project them for funding in consultation with the SDMA/DDMAs to the appropriate funding agency. The guidelines issued by the NDMA vis-a-vis various disasters should be considered while preparing mitigation projects.

Other financing options for restoration of infrastructure / livelihoods. Like utilization of flexi fund within Central Sponsored Scheme for mitigation/restoration activities in the event of natural calamities in accordance with the broad objective of the Central Sector Scheme.

DDMA should also look at other options of new financial tools like catastrophe risk financing, risk insurance, micro-insurance etc. to compensate for massive losses on account of disasters.

Opportunities of CSR investments should also be explored and elaborated under this section by the DDMA for increasing district resilience.

CHAPTER 10:

PROCEDURE AND METHODOLOGY FOR MONITORING, EVALUATION, UPDATION AND MAINTENANCE OF DDMP

Evaluating the effectiveness of plans involves a combination of training events, exercises etc. to determine whether the goals, objectives, decisions, actions and timing outlined in the plan will result in an effective response. Indicative guidelines for monitoring and evaluation of the plan are as given below:

1. Review of the plan take place once in a year .

CHAPTER 11:

COORDINATION MECHANISM FOR IMPLEMENTATION OF DDMP

Dealing with a major disaster requires resources from outside the district. When the capacities of a district administration are overwhelmed, higher levels are called upon to assist. Likewise, assets and capabilities in the corporate and non-governmental sectors available around the district may be brought to bear.

There are many actions undertaken by participants in disaster management that support this goal, both pre-disaster (to forestall or reduce potential damage) and post-disaster (to recover from actual damage) and ideally these activities would reduce the potential effects of a disaster significantly. For achieving this objective, the plan should have a pre-established and practiced mechanism for Inter, intra and extra agency coordination.

Communication is the most important tool for effective coordination. Generally, Emergency Operation centre (EOC) is the enabler of communication and coordination. EOC communication and coordination plan (EoC-SoP) should specify procedures for interfacing with different stakeholders during all phases of emergency, as stated in the DDMP framework.

Pre-Disaster meetings to review the DDMP with all stakeholders should also be planned.

CHAPTER 12:

STANDARD OPERATING PROCEDURES (SOPs) AND CHECK LIST

Standard Operating procedures (SOPs)

Standard Operating Procedures (SOPs) are a common method of implementing instructions. SOPs provide response protocols for carrying out specific responsibilities. They describe who, what, when and how SOPs are appropriate for complex tasks requiring step-by-step instructions for performing a task. It is necessary to prepare and annex - SOPs for all relevant hazards to one's district – like – Earthquake, Flood, Cyclone, Landslide, Tsunami, Manmade disasters (CBRN, Stampede etc.) .

Hazard or incident specific annexes usually identify hazard specific risk areas and evacuation routes, specify provisions and protocols for warning the public and disseminating emergency public information and also specify the types of protective equipment and detection devices required by responders.

The annexes have work aids for items including maps, charts, tables, checklists, resource inventories and summaries of critical information. As indicated previously, hazard-specific annexes follow the basic plan's content organization. Hazard-specific operations information includes:

- I. Assessment and control of the hazard (natural and manmade including mass gathering at places of congregation).
- II. Identification of unique prevention and CIKR protection activities to be undertaken to address the hazard or threat, as appropriate
- III. Selection of protective actions
 - V. Implementation of protective actions
 - VI. Implementation of short-term stabilization actions
 - VII. Implementation of recovery actions.

Example of implementation instruction – evacuation annex may be made clearer by attaching maps with evacuation routes marked. Similarly, location of shelters may be marked on maps supporting the mass care annex.

- 2. (i) Resource Management annexure – Give resource(s) list. Describes the means, organisation and process by which district will find, obtain and allocate resources to satisfy needs that are generated during different phases of disaster cycle. The list will also include resources (equipment and personnel) for fire response.
- (ii) This annexure will also include list of contact / access numbers of all important resources (including man, material and machineries). The list of equipments, assets including human

resources details/skill of persons etc of both public and private sector to be uploaded by the district authorities on the Indian Disaster Resources Network at the website www.idrn.gov.in.

(iii) Helipads / Runways:

Details of runways and helipads (non-classified) with geo-coordinates, their status (operational/non-operational etc.) and specification should be incorporated into the resources list. Details of department/ministry holding information on runways / helipads falling under classified category should be reflected in the resource management annexure.

(iv) On-Line Application:

Online application should be developed for mapping crucial real time information, reflecting exactly what is happening, what is most needed, and precisely where. Such applications should be integrated with the State portal and tested from time to time.

3. **Communication annex** – describes total communication system and how it will be used.
4. **Warning annex** – describes warning system in place and responsibilities and procedures for using them.
5. **Emergency Public information annex** – provides the procedures for giving public accurate, timely and useful information and instructions through the emergency period
6. **Evacuation annex** – describes the provisions that have been made to ensure the safety and orderly evacuation of people threatened by hazards that the district faces.
7. **The mass care annex** – deals with the actions that are to be taken to protect evacuees and other disaster victims from the effects of disasters including providing temporary shelters, food, medical care, clothing, drinking water and other essential needs.
8. **The health and medical annex**- describes policies and procedures for mobilising and managing health and medical services during all phases of disaster cycle.
9. **Mutual aid / partnerships with other agencies annex** – MoU with corporate sectors, telecom service providers, pharmaceutical industries, heavy machinery users / manufacturers, NGOs etc.

10. Damage assessment annex

In case of CIKR and the places of congregation the responsible owner/agency/organisation/trust would prepare on-site and off-site DM plan, as per the available guidelines, in consultation with DDMA.

SAMPLE / EXAMPLE

SOP for Earthquake (without warning situation)

Earthquakes can neither be predicted nor prevented. When an earthquake strikes, the district team must be ready to respond. To survive, the administration and neighbourhood community members should be prepared with ‘survival plans’. Preparing for an earthquake takes time and effort. The basic approach should be: (a) Avoid injury to self and help others; (b) minimize damage to CIKR installations and property; (c) Be prepared to survive and function for at least 72 hours after an earthquake without help from external aid.

Special Hazards / Precautions:

1. Earthquake impact can cause damage to critical infrastructures including telecom, power transmission, water supply, gas or oil pipelines resulting in pipe rupture or blast from ignition of accumulated associated well gas and vaporization of crude oil pool.
2. Each agency must immediately shut down all operations and supply in pipeline / transmission lines as per their on-site emergency response plan.
3. Depending upon the intensity, <6 Magnitude evacuation may be required for both within the facility as well as for neighbouring community to assemble in designated open ground/ muster point.
4. Fire fighting, search and rescue teams to be kept in standby for any emergency rescue operations.
5. Emergency coordination team to monitor the situation.
6. Only after proper safety inspection, critical infrastructure facilities may be asked to resume their operation.

Emergency Response Resource Requirements:

- 1. Emergency Communication**
 - i. Sat phones for wide area communication
 - ii. Wireless for local area communication
- 2. Fire management services:**
 - i. Mobile fire protection system
- 3. Specialised resources (Pre-contracted under MoU)**
 - i. SAR
 - ii. Specialised equipment's for SAR
- 4. Manpower:**
 - i. Additional fire fighters / support personnel

5. Medical

- i. Ambulances
- ii. Doctors
- iii. Nurses
- iv. Stretchers
- v. Pharmacy supply / First aid kits

6. Law and Order

- i. Police

INCIDENT ACTION PLAN (IAP):

It is important that activities indicated in the IAP are connected with the functional responsibility matrix given under the plan activation section in basic plan.

S.No.	Task / Function / Activity	Department/ Officer Responsible	Time
1	Raise alarm	Civil Defence	
2	The staff to follow ‘drop-cover-hold’ procedures and assemble at pre-designated safe muster points	Schools, Colleges	During Earthquake
3	Emergency Alarm/Notification/ Notify Authorities & external agencies (Refer Emergency Contact in Appendix)		
4	Issue instructions to shut down all operations immediately on CIKR	Electric connections shut down by- WBSEDCL,	During Disaster
5	Assess situation, make evacuation plan and evacuation	All line Department, Schools, Colleges	During and after situation
6	Activate special resources for SAR including JCBs, Earth-movers, Steel cutters	PWD, Municipalities	After Earthquake
7	Establish Unified Command (for liaison with responding agencies)	District Authority	
8	Coordinate and mobilize specialized medical teams with		During & After Earthquake

	mobile operation theatres	Health Department	
9	Coordinate and mobilize transport and logistics	Motor Vehicle Dept.	
10	Assess Hazards – potential for leakage and consequent explosion		
11	Cordon off the area – Establish —hazard zone and secure area from unauthorized entry.	Police	
	Community Evacuation Plan		
12	Trigger alarm/early warning siren and evacuate community to pre-designated open ground	Schools, Colleges	During Earthquake
13	Ensure speedy coordination for evacuation	Schools, Colleges	
14	Attend the injured with first aid and transport them to hospital	Volunteers	
15	Assure the people by sharing the real impact of incident and seek their cooperation	Media	
16	Provide temporary shelter with water, food and sanitation facilities	District Authority	
	Conduct damage assessment		
17	Only after thorough check-up and formal clearance, community can be permitted to return to their habitation		

SOP for Flood and Flash Flood (with warning situation)

Preparing for Flood/Flash Flood

Describe vulnerability of your district to flood / flash flood in couple of lines with impact assumptions.

Precautions:

1. Flooding can disrupt continuity of Governance and the life of the community
2. Flooding can lead to disruption in electrical supply and communication and cause damage to roads, bridges and other infrastructure.
3. Depending upon the level and quantum of water inundation evacuation required for community to move to safe zones.
4. Search and rescue teams to be kept in standby for any emergency rescue operations
5. Emergency coordination team to monitor the situation
6. Ensure that drainage channels / —*nalla"s*” are de-silted and bunds are periodically maintained.

Emergency Response Resources:

Specialist Resources

1. Search and rescue teams (divers/swimmers, Emergency Medical)
2. Specialized equipment- like boats, life jackets (helicopters), etc.

Manpower

1. Support Personnel

Medical Support

1. Ambulances (complete with emergency medication)
2. Doctors
3. Nurses
4. Stretcher Bearers
5. Oral Rehydration Satchets (ORS)

Law & Order Agencies

1. Police

Other Essentials

1. Water storage tanks
2. Chlorine tablets
3. Temporary shelters with sanitation facilities
4. Temporary common kitchen or food packets

Incident Action Plan (IAP)

It is important that activities indicated in the IAP are connected with the functional responsibility matrix given under the plan activation section in basic plan.

Task / Function / Activity	Department/ Officer Responsible	Time
Raise alarm / Mass messaging / Community siren system		
look out for regular updates from Indian Meteorological Department (IMD) and Central Water Commission (CWC) for forecast and follow up action.	District Authority, EOC	Entire period
Alert all ESF to start working on their role	District Authority	During Flood
Raise alarm if water level is reaching critical level of jeopardizing safety of infrastructure	Irrigation	
<p>Assess situation, make evacuation plan and move community to safer zones</p> <p>Activate special resources</p> <ul style="list-style-type: none"> <input type="checkbox"/> Search and rescue (divers/swimmers, boats, life jackets, searchlights, nylon ropes) <input type="checkbox"/> Specialized equipment (helicopters, sandbags, crowbars, spades, portable motor pumps) <p>Establish Unified Command (for liaison with responding agencies) close/cordon flooded roads and area from entry.</p>	<p>Panchayat Institution, Schools Civil Defence Army/BSF District Authority Police</p>	
Assess situation hour to hour in close contact with IMD/CWC and other agencies	Irrigation	
Conduct damage assessment		
Only after thorough check-up and formal clearance, community can be permitted to return to their habitation	Panchayat Institution	

(Note: The list is indicative and needs to be expanded)

SECTION-A
RESOURCE AVAILABILITY
RESOURCE AVAILABILITY OF BSF

HQR/ UNIT	LOCATION	NO. OF BOP	SUB- DIVISION	AVAILABILITY OF BOATS	CONTACT PERSON	CONTACT NO.
SECTOR HQR,BSF CBR	KAKRIBARI AJADNAGA R	40	DINHATA		Sri Angom Shamoo, DIG, BSF CBR	9434756020
					Sri Pramod Kumar Chauhan,2IC (Ops)	9635310160
124 BN	ROOPNAGA R	11	DINHATA	BOP PANCHADOJI BSF SPEED BOAT(ENGINE FITTED)-03 CIVIL EFC HIRED BOAT (ENGINE FITTED)-02	Sri Vijay Pal Singh, Commandant.	9434756023
				BOP GITALSAH BSF SPEED BOAT (ENGINE FITTED)-03 CIVIL EFC HIRED BOAT (ENGINE FITTED)-02	Sri Sukhdev, Dy Comdt(Adjt)	9434756411
42 Bn	SONARI	10	DINHATA		Sri V.P. Badola, Commandant	9434756025
					Sri Kuldeep Singh, Dy Comdt(Adjt)	9434756411
101 BN	ROOPNAGA R	11	DINHATA	BOP AZAMPARA- CIVIL EFC HIRED BOAT(ENGINE FITTED)-01	Sh Vikram Kunwar, Commandant	9434756410
					Sri Rajesh Kumar, Dy. Commandant (Adjt)	9434756411
7 BN	TALLIGURI	08	TUFANGA NJ	BOP BALABHUT Civil Hired Country Boat (Without Engine)-01	Sri M.N. Sharma, 21C, OFFG COMDT.	9434756027
				BOP M/ BALABHUT BSF Speed Boat(Engine Fitted)-03 BSF Country Boat (Without Engine)-01 Civil Hired Country Boat(Without Engine)- 01 BOP JALJALI BSF Speed Boat (Engine fitted) -03 BOP TALAI BSF Speed Boat (Engine Fitted)-01 Civil Hired Country Boat (Without Engine)	Sri Ramavatar Singh,DC(ADJT)	9434756028

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

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1) FACILITIES AVAILABLE WITH COOCH BEHAR FOREST DIVISION WITH RESPECT TO DISASTER MANAGEMENT DURING FORTHCOMING MONSOON SEASON.

FACILITIES AVAILABLE	LOCATION	NUMBER		CONTACT PERSON	DESIGNATION	MOBILE NO.
COUNTRY BOAT	Putimari Boxirboss	2	Rescue of flood stricken populace	Mobarak Ali Miah, F.R	Range Officer, Pundibari Range	9735067809
	72 nijtaraf	2		Jyotsna Subba,FR	Range Officer, Mekhliganj Range	7797688327
	Bhawerthana	1		Amal Kr. Roy,FR	Range Officer, Sitalkuchi Range	9434150036
LIFE JACKETS	72-nijtaraf	6		Jyotsna Subba,FR	Range Officer, Mekhliganj Range	7797688327
	Rasikbeel	4		Suranjan Sarkar, FR	Range Officer, Cooch Behar-I Range	9734979475
BEAT OFFICE PREMISES	Patlakhawa Beat office	1	For temporary tent pitching as flood shelter	Abhijit Nag , DR/FR	Beat officer, Patlakhawa Beat	9775987796
	Atiamochar Beat office	1		Jayanta Sarkar Das, DR/FR	Beat officer, Atiamochar Beat	9733292800
	Nagurhat beat office,	1		Nandadulal Saha, DR/FR	Beat officer, Nagurhat Beat	9474514174
	Jamaldah beat Office	1		Sudipta Talukdar, DR/FR	Beat officer, Jamaldaha Beat	7384114577
COMMUNITY HALLS	Nawabganj Balashi	1	Temporary flood shelter	Suranjan Sarkar, FR	Range Officer, Cooch Behar-II Range	9734979475
	Kajlikura	1		Suranjan Sarkar, FR	Range Officer, Cooch Behar-I Range	9734979475
	Paglirkuthi f.v.	1		Jyotsna Subba, FR	Range Officer, Mekhliganj Range	7797688327
	Dorko	1		Mobarak Ali Miah, F.R	Range Officer, Pundibari Range	9735067809
	Rasikbeel f.v.	1		Bablu Das, DR/FR	Deputy Ranger/ Forester Mathabhanga Range	9932995403
	72- nizaraf	2				
	Chandi	3				
	Chhatsingimari	1				
	Khagribari	1				
	Rasomaoti	1				
	Singimari pachunirpar	3				
	Sonapur	1				
	Patlakhawa	1				
	Paradubi	1				
	Baraibari	1				
	Bhajonerchhara	1				
	Mathabhanga	1				
	Jamaldaha	1				
	Shikarpur	1				

TOTAL AVAILABILITY	Country Boat	5
	Life Jackets	10
	Temporary Flood Shelter	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

	• At Beat Office Premises	4
	• At Community Halls	24

3. BOAT OWNERS OF PCFS

SL NO	NAME	ADDRESS	BLOCK	NUMBER	CONTACT
1	GITALDAHA ANCHALIK PCFS	VILL&PO GITALDAHA	DINHATA -I	02	
2	BARANACHINA PCFS	VILL-BARANACHINA PO.MATALHAT		01	
3	BARO SOULMARI PCFS LTD.	VILL&PO-BAROSOULMARI		01	
4	BAMANHAT PCFS LTD.	VILL-BAMANHAT	DINHATA -II	02	
5	SAHEBGANJ PCFS LTD.	VILL&PO-SAHEBGANJ		01	
6	NANDINA PCFS LTD.	VILL&PO-NANDINA		01	
7	GOBRACHHARA PCFS LTD.	VILL&PO- GOBRACHHARA		01	
8	KHOCHABARI PCFS LTD.	VILL&PO-KHOCHABARI		01	
9	RAKHALMARI PCFS LTD.	VILL&PO-RAKHALMARI		01	
10	CHANDAMARI ANCHALIK	VILL&PO-PATPISHU	COOCH BEHAR-I	01	
11	LANKABAR PCFS LTD.	VILL&PO-VILL-LANKABAR PO-NILKUTHI		01	
12	TAKAGACHH PCFS LTD.	VILL&PO-TAKAGACHH	COOCH BEHAR-II	01	
13	ASHOKEBARI PCFS LTD.	VILL&PO-ASHOKEBARI	MATHAB HANGA	01	
14	JOREPATKI PCFS LTD.	VILL&PO-JOREPATKI		01	
15	NISHIGANJ PCFS LTD.	VILL&PO-NISHIGANJ		01	
16	ARAMPUT PCFS LTD.	VILL-ARAMPUR PO-BALAIERHAT	TUFANGA NJ-I	01	
17	NAKKATIGACHH PCFS LTD.	VILL-NAKKATIGACHH		01	
18	AMALGURI PCFS LTD.	VILL&PO AYRANI		01	
19	RAMPUR PCFS LTD.	VILL&PO-RAMPUR	TUFANGA NJ-II	01	

4. EARTH MOVING AND ROAD CLEANING EQUIPMENTS:

Type of Equipment	Contact person and address	Telephone	Remarks
Crane	Chairman – C B Municipality	03582 - 263312	
	NBSTC	03582 - 223549	
Bull Dozer	D K Enterprise	03582 - 227756	1 no
	Hari Bhusan Ghosh	9433500951	2 nos
	Tirupathi Saw Mill - Mathabhanga	9331421000	1 no
	Bankim Pal - Ghughumari	9434443711	1no
	ABS Construction	9434023717	2nos
	Hero Honda – Ajay Gupta	03582 - 228979	4 nos
Hand Saw & Crane	S.A Plywood	9434055234	3 nos
Chain Saw	Sonari Veneer	9434022058	2 nos
Chain Saw	Falakata Veneer	9002957400	2 nos

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Chain Saw	Pawan Plywood Industry - Tufanganj	9474431127	3 nos
Chain Saw	G.S Plywood	9434824870	4 nos
Chain Saw/ Electric Saw	Radharani Plywood - Garopara	9434097355	2 nos
Hand Saw and Power Generator	Biswakarma Plywood, Dawaguri under Tufanganj-I Block	9434109466	3 nos
Chain Saw	Dooar's Timber Maruganj under TFGN I	9932383272	3 nos
Chain Saw	Mahakali Plywood Balakuthi under Tufanganj-II Block	9434936491	

6.STORAGE FACILITY WITH CAPACITY

Sl. No	Type of storage structure	Location	Capacity	Contact Person	(Address and Phone no.)
	FCI Godown	ARDC Khagrabari,	10,000 MT		New Cooch Behar 03582-230620
	FCI Godown	FSD Baburhat	5000 MT		Cooch Behar-II Ph- 258391
	FCI Godown	Central Warehouse, Near Military Camp	2410 MT	Dhananhay Banik	Cooch Behar 865366316
	Madan Mohan Hired Godown	Chakchaka, Cooch Behar	1800 MT	Pankaj Ch. Rai	Chakchaka, 9933007892
	FCI Godown	Hired Depot Dinhata, Sahebganj Road	1925 MT		Dinhata 9547816321
	Nishiganj Hire Godown	Nearby Mathabhanga Bazar	2000 MT		
	RIDF, Paradubi, Mathabhanga	Paradubi, Mathabhanga	5000 MT	Manmatha Roy	Paradubi, 9126098230
	RIDF, Sitalkuchi	Sitalkuchi, Mathabhanga	5000 MT	Md. Selim	Sitalkuchi 7679919160
	Ghughumari Food Supplier Godown	Kadamtala, Cooch Behar Sadar	600 MT		
	Kameswari Food Supplier Godown	Near Cooch Behar Municipality	2400 MT		
	Dinhata SWS Godown	Station Road, Dinhata	1250 MT	Purna Chandra Chakraborty	Dinhata, 9474520810
	Sat Mile hire Godown	Cooch Behar Sadar	500 MT		

Sl	Type of storage	Location	Contact person	Phone no
1	RELIEF GODOWN	Tufanganj Sub-Divisional Head Quarters	SDO, Tufanganj Sub-Division	03582-244220
2		Dinhata Sub-Divisional Head Quarters	SDO, Dinhata Sub-Division	03581-255001
3		Mekhliganj Sub-Divisional Head Quarters	SDO, Mekhliganj Block	03584-255297
4		Sitalkuchi Block Head Quarters	BDO, Sitalkuchi Block	03583-263231
5		Cooch Behar-I Block Head Quarters	BDO, Cooch Behar-I Block	03582-274555
6		Tufanganj –II Block Head Quarters	BDO, Tufanganj –II Block	03582-263224
7		Dinhata –I Block Head Quarters	BDO, Dinhata –I Block	03581- 255045
8		Tufanganj –I Block Head Quarters	BDO, Tufanganj –I Block	03582-244231
9		Cooch Behar-II Block Head Quarters	BDO, Cooch Behar-II Block	03582-270890

10		Mathabhanga-I Block Head Quarters	BDO, Mathabhanga-I Block	03583-255260
11		Changrabandha, Mekhliganj Block	BDO, Mekhliganj Block	03584-244345
12		Sikarpur, Mathabhanga-II Block Head Quarters	BDO, Mathabhanga-II Block	03583-255257
13		Haldibari Block Head Quarters	BDO, Haldibari Block	03584-244231

7. Warehousing and Cold Storage facilities available in the district of Coochbehar

Warehouses		Cold Storages		Lcation
No.	Capacity (MT)	No.	Capacity (MT)	
(1)	(2)	(3)	(4)	
10	16438	13	135869.00	

Source : Supdt. of Agricultural Marketing Office, Coochbehar.

8. PUBLIC DISTRIBUTION SYSTEM :

No of M R Dealers : 623 Rural – 525 Urban - 74

No of M R Distributor : 15

No of S K Oil Dealers : 11

Dry Food Dealer Identified for Supply of Chira / Gur in the Sub Division

Name of Sub Division	Name of Dry Food Dealer
Cooch Behar Sadar	M/S. Nibaran Deb Raju Baid, Hanuman Stores, Cooch Behar
Dinhata	Binay Ranjan Choudhury, Choudhurihat, Dinhata
Mathabhanga	Tapan Saha, Mathabhanga
	Iman Daftory, Mathabhanga
Tufanganj	Pravat Saha, Tufanganj
Mekhliganj	Dipankar Ghosh, Ghosh Para, Mekhliganj

9. The names of MR Distributors/ SK Oil Agents/ GR Distributors

Place	MR Distributor and Phone Number	SK Oil Agent and Phone No.	GR Distributor and Phone No.
Cooch Behar Sadar	1.P.C Bhowal, 222878 2.N.N. Ghosh, Ph.226927 3.S.Saha Roy Ph.223456 4. Sibuda Saha-9434169821	1.Kashiram Ramkhilon, Ph.222839 2.Swapan Paul, Ph.223154 3.P.K. Hore, Ph.224298	1.Ramen Roy, Ph.255165 2.Bikash Dutta, Ph.220238
Dinhata	1.B.R.Choudhury, 255165 2.N.N.Paul & brothers Ph.255081 3.J. C. Sarkar,	1.Akshay Basak, Ph.255122 2.Madan Store, Ph.255067 3. Baba Dharma	B.R. Choudhury Ph No.255165
Tufanganj	1.Sukumar Saha & Co, Ph.244253	1. Gopeswar Debnath Ph.244276	Provat Saha,, Ph.244253

	2.B.B.Basak,Ph.244098		
Mathabhanga	1.Sunil Saha,ph.255212 2.G. MalakarPh.284222 3.Madan Gopal Saha Ph.283232	1. Jain service,ph.255377 2. S.G.Saha, 9933408733 3. D. P. Agarwal	1.A.L. Saha 2.G. Malakar & Sons 3.S.N. Saha
Mekhliganj	S.R. Upadhya,ph.244335	1. Jyoti Distributors.ph.233080	S.R. Upadhya,ph.244335
Haldibari	1.M.K. Kundu, ph.- 263248/263323	1. Nikhil Kundu 2.D.P. Agarwal, ph-263270	M.K. Kundu, 9434063323

**10. RESOURCE AVAILABILITY OF FIRE STATION
COOCH BEHAR FIRE STATION.**

SL NO.	EQUIPMENT	QUANTITY
1	Fire Tender	03 nos
2	Tailor pump	1
3	Various length of rope	8
4	Portable Pump	4
5	Utility Van	2
6	Zeep	1
7	Streacher	4
8	Safety Helmet with led light	3
9	Tripot harest system with full body harness	1
10	Life Jacket	2
11	Generator	1
12	Portable inflatable Emergency lighting system (ASKA)	3
13	Petrol driven chain saw	2
14	Petrol driven circular saw	1
15	Composer machine for B.A. set	1
16	B.A. set	4 nos
17	B.A. line with cylinder	1 set
18	Wooden saw	2
19	Lock cutter	3
20	Crobber	4
21	Axe	8
22	Hydrolic cutter	1
23	Hammer -14 (IBS)	2
24	Search light	331
25	Fire extinguisher	10 nos
26	Water mist back pack mounter	3
27	Rechargeable Torch light	3

DINHATA FIRE STATION.

SL NO.	EQUIPMENT	QUANTITY
1	Fire Tender	03 nos
2	Utility Van	1
3	Chain saw	1
4	Safety Helmet with led light	4
5	Wooden saw	2
6	Lock cutter	2

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7	Crobber	4
8	Axe	2
9	Water mist trolley mounted high pressure ext. (50)	1
10	Door breacker	2

TUFANGANJ FIRE STATION.

SL NO.	EQUIPMENT	QUANTITY
1	Fire Tender	2 nos
2	Trolly mist extinguisher (50 lt.)	1
3	Various length of rope	5
4	Utility Van	1
5	Safety Helmet with led light	1
6	Life Jacket	1
7	Portable inflatable Emergency lighting system (ASKA)	1
8	B.A. st	2 pair
9	Lock cutter	3
10	Crobber	4
11	Axe	3
12	Hammer -14 (IBS)	1
13	Search light	1
14	Extension ladder	3
15	Modern Helmet	2
16	Others	

MATHABHANGA FIRE STATION

Sl No	Name of the Equipment	Quantity
1	Fire Tender	2
2	Portable Inflable Emergency lighting system	2
3	Petrol driven chain saw	1 set
4	Utility van-	1
5	Ladder	3
6	Hammer 9 14 IBS)	1
7	Canvus Tracher	3
8	Lock Cutter	2
9	Search Light	1
10	BA set	1
11	Others	

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HALDIBARI FIRE STATION

Sl No	Name of the Equipment	Quantity
1	Fire Tender	1 no
2	Mid size Water Tender	1 no
3	Portable inflatable Emergency lighting system (ASKA)	2 nos
4	Water mist trolley mounted Extinguisher H.P. (ASKA)	1
5	Safety Helmet with led light	1 no
6	Life Jacket	1 set
7	Others	

MEKHLIGANJ FIRE STATION.

Sl No	Name of the Equipment	Quantity
1	Fire Tender	2 nos
2	Utility Van	1 no
3	Chain saw	1 no
4	Trolley mist extinguisher (50 lt.)	1 no
5	Portable inflatable Emergency lighting system (ASKA)	3 nos
6	Rechargeable Torch light	2 nos
7	Others	

Sl. No.	Name of the fire station	Telephone Number	Disposition of Vehicle & Pumps	Disposition of Man Power.
1	Cooch Behar Fire Station	02582-225434/101	Vehicle- 5, Pump-4	46
2	Tufanganj Fire Station	03582-224203/ 101	Vehicle- 2, Pump- 1	36
3	Dinhata Fire Station	03581-255115/101	Vehicle- 5, Pump- 2	44
4	Mathabhanga Fire Station	03583-255298/101	Vehicle- 3, Pump- 2	36
5	Mekhliganj Fire Station	03584-255250/101	Vehicle- 3, Pump- 2	46
6	Haldibari Fire Station	03561-263200/101	Vehicle-1, Pump-	

CIVIL DEFENCE :

list of modern equipment		
Sl	Name of equipmwnt	Quantity
1	Fiber Stretcher	3 Pcs.
2	Telescopic canvas Stretcher	4 Pcs.
3	Fire entry Suit	1 Pc
4	Bullet chain Saw	4 Pcs.
5	Circular Saw	4 Pcs.
6	Concert cutting saw	1 Pc
7	Tripod with Winch	2 Pcs.
8	Search Cam	1 Pc
9	Fluorescent orange reflective ID jacket	50 Pcs.
10	Safety Helmet with LED head lamp	5 Pcs.
11	FRP industrial Safety Helmet	50 Pcs.
12	Heavy Duty Working Gloves	15 Pair
13	Fall protection safety net	1 Pc
14	10 ton Hydraulic Jack	1 Pc
15	Telescopic 36 ft. Aluminum ladder	3 Pcs.
16	Life Jacket	7 Pcs.
17	Rope delivery gun	1 Pc
18	Power accender battery operated	1 Pc
19	Fire axe	3 Pcs.
20	Seat herness	7 Pcs.
21	Crow Bar	6 Pcs.
22	Portable Generator	1 Pc
23	Spade	5 Pcs.
24	Shovel	7 Pcs.
25	Mega Phone	3 Pcs.
26	BA set	4 Pcs.
27	Come along	1 Pc
28	Compressor Machine for cylinder	1 Pc

CRISIS MANAGEMENT PLAN TO COMBAT FLOOD/PRE-MONSOON CYCLONE DURING 2016-17 OF WBSEDCL UNDER COOCH BEHAR DIVISION.					
SL NO.	NAME OF THE MATERIALS	UNIT	QUANTITY	RATE	AMOUNT
1	Rail pole 13 mtr	No	4	40147.00	160588.00
2	PCC pole 9 mtr	No	20	6741.00	134820.00
3	PCC Pole 8 mtr	No	30	3688.00	110640.00
4	Stey set H.T	No	40	801.00	32040.00
5	Stey set L.T.	No	50	466.00	23300.00
6	Earth spike	No	50	316.00	15800.00
7	Pin insulator 11KV	No	100	71.00	7100.00
8	G.I. Pin for above	No	50	86.00	4300.00
9	T.P.G.O. Insulator	Set.	10	7584.00	7584.00
10	M.S. Channel 100x50x6 mm	kg	300	52.00	15600.00
11	M.S. Channel 75x40x6mm	kg	1000	56.00	56000.00
12	M.S. Angle 65x65x6mm	kg	1000	52.00	52000.00
13	M.S. Falt 65x6mm	kg	500	64.00	32000.00
14	Disc Insulator 11 KV(T&C)	No	100	272.00	27200.00
15	Hardwre Fittings 11 KV	Set	100	284.00	28400.00
16	Stey Wire 7/12SWG	kg	200	80.00	16000.00
17	Stey Wire 7/10SWG	kg	200	76.00	15200.00
18	GI wire 6SWG	kg	120	83.00	9960.00
19	SCSR 30 sqmm	k.m.	5	22080.00	110400.00
20	SCSR 50 sqmm	k.m.	2	36963.00	73926.00
21	PVC Cable 120 sq. mm 4 Core	mtr	0.500	429060.00	214530.00
22	PVC Cable 95 sq. mm 3.5 Core	mtr	0.500	324869.00	162434.00
23	PVC Cabe 50 sq. mm 4 core	mtr	0.500	222000.00	111000.00
TOTAL					1489078.50

CHAPTER 13:- ANALYSIS OF VULNERABILITY

1	2	3	4	5	6	7	8	9	10
Name of Block / Municipality	If prone to flood, mention number of people in vulnerable zone	If vulnerable to cyclone, mention number of people likely to be affected in case of cyclone	If vulnerable to Tsunami, mention number of people likely to be affected in case of Tsunami	If vulnerable to landslide, mention number of people likely to be affected	If vulnerable to chemical/industrial, mention number of people likely to be affected	People likely to be affected by other disaster if any,	Total number of people given in column 2 to 7	Earthquake Vulnerability Zone	Priority ranking as per vulnerability to multiple disasters
Cooch Behar-I Block	26930	82000	0	0	0		108930	IV & V	9
Cooch Behar-II Block	10960	95000	0	0	0		105960	IV & V	3
Tufanganj-I Block	69825	90000	0	0	0		159825	V	2
Tufanganj-II Block	117112	70000	0	0	0		187112	V	1
Dinhata-I Block	27875	85000	0	0	0		112875	IV	4
Dinhata-II Block	21665	80000	0	0	0		101665	IV & V	10
Sitai Block	12250	40000	0	0	0		52250	IV	12
Mathabhanga-I Block	55840	81000	0	0	0		136840	IV	11
Mathabhanga-II Block	22200	82000	0	0	0		104200	IV	5
Sitalkuchi Block	17250	35000	0	0	0		52250	IV	6
Haldibari	840	25000	0	0	0		25840	IV	8

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Block									
Mekhliganj Block	18350	44000	0	0	0		62350	IV	7
Cooch Behar-Municipality	5300	3000	0	0	0		8300	IV	
Dinahata Municipality	2900	1500	0	0	0		4400	IV	
Mathabhan ga	2400	1200	0	0	0		3600	IV	
Tufanganj	1900	1100	0	0	0		3000	V	
Mekhliganj	1800	1000	0	0	0		2800	IV	
Haldibari	2000	500	0	0	0		2500	IV	

2 SOP for railways accident.

Cooch Behar District have Railway from Alipurduar to Bamanhat, New Cooch to Boxirhat, New Cooch Behar to Changrabandha, New Cooch Behar to Falakata and New Cooch Behar to New Alipurduar:- In case of any emergency villagers are the 1st responders. District have Civil Defence Volunteers, Police, Fire, to reach the areas and operate rescue operations. District have District Hospitals, Sub-Divisional Hospitals and Block Hospitals for admission of injured passengers.

LIST OF FLOOD SHELTER :

Flood Shelter/ Cyclone Shelter	Year of Construction	How many persons can be accommodated	Number & Nme of vollages tagged with this Shelter	Total Tagged populat ion	Differe nce between tagged populat ion & capacit y of shelter, if any	Remar ks
Flood Shelter adjacent to 119- Andaran Kuchlibari Jr. Basic Pry. School	1982	150	2 (two) Singh para, 91 Andaran Kuchlibari	250	100	
Flood Shelter adjacent to 112- Upenchowki Pry. School	1985	150	1 (one) Kasiartari	250	100	
Flood Shelter adjacent to Harakanta Pry. School	2005	150	1 (one) 25 Tista payesti	300	150	
Flood Shelter adjacent to 25- Tista Payesti Uper Pry. School	2006	150	1 (one) Charland under Kuchlibari G.P.	300	150	
Adjacent to 125- Kharkharia Pry. School Vested Land	1980	150	2 (two) 75 Niztaraf,76 Niztaraf	300	150	
Adjacent to Niztaraf G.P. land	2000	150	4(four) Villagers of 40 Niztaraf,25 payesti,(char land),72 Niztaraf	500	350	
Adjacent to 175- Dhulia Khalisa 5th Plan Pry. School	1998	150	4 (four) Villagers of 168 Dhulia Baldiahati, 174 dhulia khalisa, 175 dhulia khalisa;	300	150	
Adjacent to Kasemerchat Pry. School	2000	150	1 (one) Kasemerhat	250	100	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Chat dhulia baldiahati flood shelter		150	3 (three) Villagers of Jhakua para, Bagan bari, Janer bari;	200	50	
Kamatbindi GP School		100	2 (two) 1. Kamatbindi 2. Jharsingeswar	200	100	
Daripattani AP School		100	1 (one) 1. Daripattani	150	50	
Naltipara Govt. Pry. School		100	2 (two) 1. Naltipara 2. Bhujalipara	180	80	
Per Mekliganj SC Pry. School		100	1 (one) 1. Sakaripara	110	10	
Bajejama AP School		100	2 (two) 1. Beltali 2. Bajejama	150	50	
Baxiganj JB School		120	1 (one) 1. Bholarhat	150	30	
Boalmari GP School		100	2 (two) 1. Boalmari 2. Kismat fatemamud	150	50	
Boxiganj Payest AP School		100	2 (two) 1. Andaran Bajejama 2. Chhoto Bibiganj	160	60	
Kamalakanta High School		200	1 (one) 1. Anguldekha	200	0	
Basarajbala NP School		100	1 (one) 1. Basarajbala	100	0	
Bibiganj JB School		250	1 (one) 1. Bibigabnj	200	-50	
Mekliganj High School	1996	2000	4 (four) Ward No. 3,4,5 & 7	2000	0	
Indira Girls High School, Mekliganj	1995	2000	3 (three) Ward No. 6,8 & 9	2000	0	
Singha Spl. Cadre F.P. School	2005	100	2 (two) Ward No.2 & 1	100	0	
Netaji Subhash Mahavidhyalaya	2005	3000	3 (three) Ward No. 1,2 & 11	3000	0	
Haldibari High School	1999	1500	1 (one) Ward No.5	1500	0	
Haldibari Girsl High School	1998	1500	1 (one) Ward No.8	1500	0	
Bhawairthana G.P. . School	1992	500	Bhawerthana	700	200	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Bhogdabri A.P. School	2018	100	Maghpala & Bhogdabri	150	50	
Purbo Bhogdabri Char 5th Plane Pry. School	2018	300	Bhogdabri	150	-150	
Sarbeswarjoyduar No. 1 Pry. School	1994	100	Chhoto salbari	200	100	
Kurshamari Part –II 5th Plan Pry. School	1995	200	Kurshamari	280	80	
Mahishmuri S.P. Pry. School	2012	200	Mahishmuri	300	100	
Salbari BOP Flood Shelter	2012	200	Mahishmuri	280	80	
Jatamari S.C. Pry. School	2012	100	Jatamari	135	35	
Rupkanta Shishu Shiksha niketan	1998	100	C.K khalisamari	140	40	
Rangamati A.P. School	2000	200	Rangamati	250	50	
Ksheti JR. Basic School	2004-2005	200	Ksheti	200	0	
Fulbari Jr. Basic School	2008-2009	200	Fulbari	200	0	
Daribosh Fulbari sc Pry School	2008-2009	200	Daribosh fulbari	200	0	
Singijani A.P.School	2005-2006	200	singijani	200	0	
Purbabalasundar pry school	2005-2006	200	purba balasundar	200	0	
Paschim Balasundar pry school	2005-2006	200	paschim balasundar	200	0	
Rangamati Pry. School	2009-2010	200	rangamati	200	0	
Lafabari 4th plan pry school.	2008-2009	200	lafabari	200	0	
Jhauguri SC Pry school	2011-2012	200	Jhauguri,Dumniguri	200	0	
Baraibari SC Pry school	2007-2008	200	Baraibari	200	0	
Kodaldhoa R.R.Pry School	2010-2011	200	Kodaldhoa	200	0	
Bhojanerchhara pry school	2007-2008	200	Bhojanerchhara	200	0	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Singijani Flood Shelter	2002-2003	300	Singijani	200	-100	
Block Head qarter Flood Shelter	2016-2017	500	Matiarkuthi, Manabari, Haldarpara	500	0	
Putimari Flood Shelter	2000-2001	100	Putimari	200	100	
Bharalitary 4th Plan Pry. School, Ghughumari, Ghughumari G.P.	2003 - 04	300	1 (One), West Ghughumari.	18,000	17700	
Karishal Ekramia High Madrasah, Kalabari ghat, Suktabari G.P.	2003 - 04	150	3(Three), Kalabarighat, Bheladanga, Malerjhar	3,000	2850	
Chhoto Atherokota A.P. School, Chhoto Atherokota, Moamari G.P.	2003 - 04	100	4 (Four), Chhoto Atharokotha, Momari, Digalhati Maynaguri & Boro Atharokotha.	6,800	6700	
Dewanbosh Spl. Cdr. Pry. School, Dewanbosh, Falimari G.P.	2003 - 04	300	3 (Three), Dewanbosh, Brahmottar Kasaldanga & Voterhat.	7,200	6900	
Kathalbari 4th Plan Pry. School, Kathalbari, Chandamari G.P.	2003 - 04	200	3 (Three), Kathalbari, Bairati & Rajpur	2,200	2000	
Putimari Fuleswari A.P. School, Putimari Fuleswari, Putimari Fuleswari G.P.	2003 - 04	400	1(One), Putimari - Fuleswari.	3,300	2900	
Baro Salbari Jr. Basic School, Baro Salbari, Putimari Fuleswari G.P.	2003 - 04	500	1(One), Baro Salbari.	2,000	1500	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Haradeb Chhederjhar 5th Plan Pry. School, Haradeb Chhederjhar, Putimari Fuleswari G.P.	2003 - 04	300	2 (Two), Hardev Chhederjhar & Shivpur.	3,600	3300	
Daluadasgir A.P. School, Daluadasgir, Dawaguri G.P.	2003 - 04	100	1(One), Daluadasgir.	4,000	3900	
East Falimari G.P. School, East Falimari, Dawaguri G.P.	2003 - 04	100	1(One), East Falimari.	2,200	2100	
Gudam Maharaniganj Govt. Pry. School, Gudam Maharaniganj, Guriahati - II G.P.	2003 - 04	100	3 (Three), Gudam Maharaniganj, Harinchowra & Chhat Guriahati.	6,000	5900	
Panisala Flood Shelter, Bhojanpur, Panisala G.P.	2008 -2009	200	2(Two), Bhojanpur (Kathnati Par), Ambari - Bhojanpur.	3,200	3000	
Panisala Jr.Basic School, Purba Panisala, Panisala G.P.	2003 - 04	150	1(One), Panishala.	7,000	6850	
Chatrachekadara Flood Shelter [Chatrachekadara Govt. Primary School], Jiranpur G.P.	2003 - 04	150	4 (Four), Chatrachekadara , Kanikata, Daharerpar, Barapak.	2,600	2450	
Purba Haribhanga 4th Plan Primary School Flood Shelter, Haribhanga G.P.	2003 - 04	150	2 (Two), Purba Haribhanga, Nakkati.	2,200	2050	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Chhat Dutherkuthi Govt. Primary School, Vill - Chhat Dutherkuthi, P.O. - Rashidanga - II, Suktabari G.P.	2003 - 04	150	2(Two), Chhat Dudher Kuthi & Sonakhuli.	4,000	3850	
Suktabari State High Madrasah, Vill & P.O. - Dudherkuthi Dewanbosh, Suktabari G.P.	2003 - 04	100	2 (Two), Dudherkuthi Dewanbosh & Boro Atharokotha.	10,000	9900	
Alokapuri 5th plan Primary school	2002	100	Kathalbari	3410	3310	
Kalpani Rajmohon primary School	2002	80	Kalpani	5481	5401	
Sajerpar Kathalbari 1st Plan Pry. School	2002	100	Sajerpar Kathalbari	3410	3310	
Jogna narayner kuthi jr. Basic school	2008	100	Jagnanarayaner Kuthi	1290	1190	
Chandanchowra A.P. School	2005	100	Chandanchowra	1612	1512	
Ghoramara 5th plan primary school		80	Ghoramara	5905	5825	
Bahanno Ghar 5th plan primary School		100	Sajerpar	4382	4282	
Adarsha Siksha Noketan Primary School		200	Sajerpar	4382	4182	
Chhat singimari Spl. Cadre Primary School	2001	80	Chhat Singimari	4432	4352	
Patlakhawa Jr. Basic School	2006	50	Patlakhawa	2711	2661	
Singimari Pachunirpar C.S. Pry.School	2005	60	Singimari Pachunirpar	4459	4399	
Putimari Boxirbash 5th Plan Pry. School	2017-18	200	Putimari Boxirbash	2642	2442	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Karishal 5th Plan Prathamik Vidyalaya	2001-02	200	Sukdhaner kuthi	3128	2928	
Deshbandhu Prathamik Vidyalaya	2001-02	200	Singimari Pachunirpar	4459	4259	
Takagachh Govt. Pry. School	2001-02	200	Putimari Boxirbash	2642	2442	
Ambari jr. Basic School	2005	200	Putimari Boxirbash	2642	2442	
Ambari Gadadhar Pry. School	2006	160	Ambari	8874	8714	
Baragari A.P. School	2002	120	Baneswar	1576	1456	
Ichhamari No.2 A.P School	1999	100	Ichhamari	2524	2424	
Kholta Primary School	2001-02	100	Kholta	14346	14246	
Marichbari Jr. Basic School	2001-02	100	Marichbari	13373	13273	
Chowdanga A.P. School	2006	80	Chowdanga	2017	1937	
Gouranga Asram No. 2 S.C Primary School	2003	100	Maranadir Kuthi	2589	2489	
Kajlikura High School	1998	1096	Kajlikura, Kismat Adabari	1096	0	
Natunbas AP School	1997	328	Takimari	328	0	
Dawabari Flood Shelter	1997	617	Dawabari	617	0	
Shilduar Flood Shelter	1998	454	Shildwar	454	0	
Sagar Dighi Flood Shelter	1997	400	Sagardighi	400	0	
Natunbas Flood Shelter	1997	1449	Natunbas, Dakshin Singimari	1449	0	
Gabua Flood Shelter	1998	597	Bara Bangla, Gabua, Jatigara	597	0	
Tamaguri Flood Shelter	1999	194	Sonarhat, Tamaguri, Bartha,	194	0	
Chamta High School Flood Shelter	2000	1170	Panikhawa, Padmamari	1170	0	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Barthar Flood Shelter	2000	1330	Barthar	1330	0	
Atharojani Flood Shelter	2000	1437	Atharojani	1437	0	
Hazrahata I Flood Shelter	2014	1000	Mahimerkuthi, Daibhangi, Balashi, Chatpakhihaga, Uttar Daibhangi	15000	14000	
Giladanga Flood Shelter	1997	1000	Giladanag	2500	1500	
Pakhihaga Rescue Shelter	1997	1000	Indrerkuthi, Uttar Daibhangi	2000	1000	
Fakirerkuthi Rescue Shelter	2005	500	V.V. Manabari, Beltali, Pachagar	2000	1500	
Chat Jorpatki Pry School Rescue Shelter	2007	500	Chat Jorpatki, Nendeerpar	2000	1500	
Shibpur Pry. Rescue Shelter	2007	500	Shibpur	1000	500	
Khalishamari Pry. Rescue Shelter	2007	500	Baro Khalishamari, Khalishamari	1000	500	
Notafela Flash Centre	2005	500	Notafela, Uttar Chhat Notafela	500	0	
Salmara Flood Shelter	2003	250	Bara Garaljhara, Salmara	300	-50	
Mabseb Seoraguri cum Flood Shelter	2001	300	Mabseb Seoraguri	300	0	
Nirod Ch.Pry. School Cum Flood shelter	2004	500	Langulia II	500	0	
Kuchni Pry. School Cum Flood shelter	1998	150	Kuchni	200	50	
Rosamanta 5th paln Pry. School Cum Flood shelter	2005	500	Rosamanta, K/Mokarari	500	0	
Vitarkuthi Pry. School Cum Flood shelter	2001	500	Tutiarkuthi	500	0	
Paschim Kisamat Dasgram Pry. School Cum Flood shelter	1999	200	Tiadaha I and II	200	0	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Paschim Kisamat Dasgram Pry. School Cum Flood shelter	1998	200	Dasgram Gobrachhara	200	0	
Paschim Kisamat Dasgram Pry. School Cum Flood shelter	2000	300	Baniadaha	300	0	
Gosanimari High School	1999	600	Takimari, Jambari, Vitarkamta	600	0	
Fulbari NP School	2005	200	Fulbari (East), Fulbari (West)	200	0	
Baronatabari Jr. Basic School	2007	300	Binanai (East), Binanai (West)	300	0	
Chhoto Naldhandra Pry. School	2007	300	Khalisa Gosanimari	300	0	
Petla N.B. High School	2007	600	Petla, Darikamari, Panaguri	600	0	
Jamadarar Bosh H.S	2005	600	Jamadarar Bosh, Matiakura, Barobangla	600	0	
Panchadhaji GP School	2003	300	Chandra Narayan, D.K. Kuthi,	300	0	
Okrabari A.B. High School	2001	600	Gokunda, Falimari, Kawrai, Balakandi, Dighaltary	600	0	
Thakur Panchanan High School	2005	600	Baro Soulmari, Atiabari	600	0	
Batrigachh Aided School	2007	300	Singimari, Madnakura, Batrigachh, Chhoto Jhila	300	0	
Jorepakuri High School	2007	600	Jhuripara, Boalmari, Atiabari	600	0	
Dinhata Mission Jr. Basic School	2007	300	Jhuripara, Boalmari, Atiabari	300	0	
Azmiya Jr. Basic School	2005	300	Fakirtari, Dinhata Gram	300	0	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Nigam Nagar SV School	2003	600	Nigamnagar, Satkura, Bhagni	600	0	
Jarabari High School	2001	600	Jarabari	600	0	
Tantipara 5th Plan School	2005	300	Baronachina, (South & West)	300	0	
Ruerkuthi RR School	2007	300	Ruerkuthi, Bhetaguri	300	0	
Kuthibari Sakdal Pry. School	2007	300	Sakdal, Baladanga, Br. Chowki	300	0	
Matalhat High School	2007	600	Matalhat, Barovita, Samsing	600	0	
Konamukta G.P. School	2005	300	Konamukta, Bhoram South, KH-Haridas	300	0	
Bhoram SC Pry. School	2003	300	Bhoram (North)	300	0	
Jaridharla SSK	2001	100	Jaridharla	100	0	
Gitaldaha-II GP Office	2005	300	Gitaldaha	300	0	
Bhoram Payesthi Pry. School	2003	200	Bhoram payesthi	200	0	
Daribosh Colony AP School	2001	300	Daribosh, Bharbanda	300	0	
Gitaldaha Flood Shelter	1999	1500	Gitaldaha	1500	0	
Bhuchungmari Flood Shelter	2001-2002	300	1, Bhuchungmari	300	0	
Bose Para Kutibari Pry. School Cum Flood Shelter	2001-2002	225	1, Charaljani	225	0	
Dhopguri G.P. School cum Flood Shelter	2001-2002	225	1, Dhopguri	225	0	
Swamiji Smriti Pry.school cum Flood Shelter	2001-2002	350	1, Jaigir chilakhana	350	0	
Bhelapeta Flood Shelter (Near Bhelapeta No.2 4th plan Pry. School.)	2001-2002	210	1, Bhelapeta	210	0	
Jaigir Chilakhana Flood Shelter	2001-2002	300	1, Jaigir chilakhana	300	0	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Paschim Kuthibari 5th Plan Pry. School cum Flood Shelter	2001-2002	220	2, Chilakhana,Kutib ari	220	0	
Nowkhuli Katibar Pry. School cum Flood Shelter	2001-2002	225	1, Nowkhuli	225	0	
Chhatowa A.P School cum Flood Shelter	2001-2002	205	1, Chhatowa	205	0	
Bhelakopa No.2 Govt. Pry. School cum Flood Shelter	2001-2002	400	1, Bhelakopa	400	0	
Maruganj J.B. School Cum Flood Shelter,Maradanga	2001-2002	200	1, Moradanga	200	0	
Nakkatigachh Jr. Basic School cum Flood Shelter(Dhadial)	1998	320	2, Dhadial, Dwiparpar	320	0	
Debagram No.1 A.P. School cum Flood Shelter	2001-2002	200	1, Rajarkuthi	200	0	
Chamta No.1 A.P. School cum Flood Shelter	001-2002	210	2, Chamta,Shikarpu r	210	0	
Deocharai J.B. cum Flood Shelter	2001-2002	325	1 , Deocharai	325	0	
Chowkushi Balarampur Flood Shelter	2001-2002	300	1, Chowkushi Balarampur	300	0	
Baxirkuthi Bapuji 4th Plan Pry. School Cum Flood shelter	2001-2002	200	1, Baxirkuthi	200	0	
Kaliganj A.P School Cum Flood Shelter	2001-2002	230	1, Kaliganj	230	0	
Uttar Deocharai Karjee Para 5th plan Pry. School Cum Flood Shelter	2001-2002	225	1, Uttar Deocharai	225	0	
Char Jhaoukuthi 5th Plan Pry. School Cum Flood Shelter	2001-2002	200	1, Jhaoukuthi	200	0	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

Rajarkuthi Flood Shelter Near Rajar Kuthi A.P. school	2001-2002	250	1, Rajarkuthi	250	0	
Balabhut flood Shelter	2001-2002	315	1, Madhya Balabhut	315	0	
Dakshin Balabhut 4th Plan Pry. School Cum Flood shelter	2001-2002	225	1, Dakshin Balabhut	225	0	
Char Balabhut 4th Plan Pry. School cum flood shelter	2001-2002	200	1, Char Balabhut	200	0	
Char Balabhut MSK Cum flood Shelter	1997	250	1, Char Balabhut	250	0	
Sholadanga C.S.Pry. School cum Flood Shelter	1998	330	1, Soladanga	330	0	
shouldhukri 5th Plan Pry. School Cum flood Shelter	2001-02	230	1, Shouldhukry	230	0	
BAKSHIRHAT HIGH SCHOOL	RELIEF DEPARTMENT 2005-2006	800	BHANUKUMARI & CHHOTOLOWKUTHI	1500	700	
FALIMARI GOVT. PRY. SCHOOL	RELIEF DEPARTMENT 2005-2006	250	FALIMARI , BARNIKATA, KHUNIPARA	500	250	
RAMPUR GIRLS JUNIOR HIGH SCHOOL	RELIEF DEPARTMENT 2005-2006	400	RAMPUR , SINGIMARI	900	500	
NAZIRAN DEWTIKHATA NEW PRY. SCHOOL	R.I.D.F-VII 2001-2002	400	NAZIRAN DEWTIKHATA, UTTAR RAMPUR	900	500	
DAKSHIN RAMPUR NO.2 PRY. SCHOOL	R.I.D.F-VII 2001-2002	250	DAKSHIN RAMPUR, DHORARKUTHI	400	150	
JALDHOA NO.2 S.C. PRY. SCHOOL	R.I.D.F-VII 2001-2002	250	JALDHOA, KHAGRIBARI, MADHURBHASA	400	150	
PURBA FALIMARI A.P. SCHOOL	R.I.D.F.- VII 2001-2002	300	PURBA FALIMARI, CHHAT FALIMARI,	600	300	

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

			PACHANIPARA			
FERSABARI NETAJI VIDYAPITH	R.I.D.F.- VII 2001-2002	400	FERSHABARI, GHOKSHO PART, GADER CHAR	700	300	
TAKOAMARI G.P. SCHOOL	R.I.D.F.- VII 2001-2002	250	TAKOAMARI, PAGLIRKUTHI	500	250	
HARIPUR RABINDRA VIDYAPITH	R.I.D.F.- VII 2001-2002	400	HARIPUR PART, BHANDIJELASH	800	400	
BEGARKHATA A.P. SCHOOL	R.I.D.F.- VII 2001-2002	250	BEGARKHATA, SOURKHATA, BOALIMOHON PART	500	250	
BANSRAJA PART-II KUTIBARI PRY. SCHOOL	R.I.D.F.- VII 2001-2002	250	BANSHRAJA PART-I & BANSHRAJA PART- II	500	250	
BAJRAPUR S.C. PRY. SCHOOL	R.I.D.F.- VII 2001-2002	250	BAJRAPUR, TURKANIRKUTHI	500	250	
DHALDABRI NO.2 PRY. SCHOOL	R.I.D.F.- VII 2001-2002	400	DHALDABRI PART, NAKARKHANA PART	800	400	
NAZIRAN DEWTIKHATA	R.I.D.F.- VII 2001-2002	250	NAZIRAN DEWTIKHATA, UTTAR RAMPUR	600	350	
FALIMARI HIGH SCHOOL	RELIEF DEPARTMENT 2016-2017	400	FALIMARI , MADHYA CHAR, CHIKAN TALA	800	400	

REPORT ON HERITAGE BUILDING

Sl. No.	Name of the Heritage Building	Address	Significance	Year of Construction	Block / Municipality	Whether prone to inundation (Y/N)	Whether located in landslide / EQ / Cyclone / Tsunami prone Zone, if so specify	Whether sufficient Fire fighting Arrangements is there	Any special measures taken for disaster risk reduction, if any	Remarks
1	Rajbari / Royal Palace	Ward No. 19	Highly significant structure along with its precinct possessing numerous values representing the culture of the royal family from Koch dynasty and evidence of an edifice having cross cultural values.	1879-80	Cooch Behar Municipality		EQ	y		

2	Sunity Academy	Ward No. 18	Having highly social significance as satisfied the need of women educational system to enlighten the minds of women folk of Cooch Behar by spreading light of education. In 1928, it got the recognition as a high English School affiliated with Calcutta University having only Lady faculties.	1881	Cooch Behar Municipality		EQ	y		
3	Acharya Brojendra Nath Seal College (ABNS College)	Ward No. 17	Significant as Victoria College, for its contribution to the society of late 19th century, in education and offered undergraduate and post graduate courses.	1888-15th June	Cooch Behar Municipality		EQ	y		

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

4	Keshab Ashram (Past Names) Rani bagan, Sunity terrace	Ward No. 18	Cremation centre of the members of Royal family.	1889-14th may	Cooch Behar Minicip ality		EQ	y		
5	Cooch behar Railway Station	Ward No. 10	Historical significanc e as Cooch Behar State Railways, started as narrow gaze and communic ation with the world started from here.	1894	Cooch Behar Minicip ality		EQ	y		
6	Old Collector ate Building (Past Names) Lansdown e Hall	Ward No. 19	The Memorial building of Lord Lansdowne (viceroy) associated with his visit to Cooch Behar.	1894	Cooch Behar Minicip ality		EQ	y		
7	Sagar Mahal / Rajbanshi Bhasa Academy (Past Names) Victor palace, Dewan's Kuthi	Ward No. 19	Significant as the residence of famous dewan Babu Kalikadas Dutta and Later, the residence of maharaja Nriyendra Narayan (3rd son of Nripendra Narayan)	1894-95	Cooch Behar Minicip ality		EQ	y		

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

8	M.J.N. Hospital	Ward No. 20	Hospital building complex with all modern medical facilities by Maharaja Rajendra Narayan,	1910	Cooch Behar Municipality		EQ	y		
9	Bar Association and Library	Ward No. 19	105 years old historically signified structure, which was established by Maharaja Jitendra Narayan with a view to make proper seating arrangements of pleaders for different works of Court.	1914 – 11th May	Cooch Behar Municipality		EQ	y		
10	Jail Khana	Ward No. 17	Historical significance; as the correctional home for the victims of civil and criminal courts, came from several parts of the Cooch Behar state, where they transformed themselves	1865	Cooch Behar Municipality		EQ	y		

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

			providing services on several creative and social works and upgraded themselves by studying in a school settled within the Jail only for the victims.							
1 1	Governm ent press (Past Names) Coochbe har State press / Royal press	Ward No. 08	Primarily historical significanc e, in earlier periods Gutenberg Printing machine used for printing	1875	Cooch Behar Minicip ality		EQ	y		
1 2	Maharaja Nripendr a Narayan Boys' Hostel	Ward No. 17	103 years old structure for the residential students,w ho experience d the aggression of coochbeha r state military in 1945.	1915	Cooch Behar Minicip ality		EQ	y		
1 3	Head Post Office	Ward No. 20	Historical significanc es possessing architectur al and aesthetic values.	1926	Cooch Behar Minicip ality		EQ	y		

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

1 4	Police Club	Ward No. 17	Significant historical building with its precinct having social and cultural values for the amusemen ts and festivals of the State Police. Inaugurate d by Maharani Indira Devi	1926	Cooch Behar Minicip ality		EQ	y		
1 5	Police Line	Ward No. 17	20th century administrat ive building for battalions.	1927- 24th Januar y	Cooch Behar Minicip ality		EQ	y		
1 6	Rajakiya jaladhar	Ward No. 08	An important structure to supply clean water for the town of Cooch Behar, having capacity of 150000gall ons per day for 12000 inhabitants on those periods. Do supply the round water after purificatio n.	1928	Cooch Behar Minicip ality		EQ	y		

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

17	Circuit House	Ward No. 17	Cultural significance. The building and its precinct shows evidences of lodging for royal and foreign delegates.	1929	Cooch Behar Municipality		EQ	y		
18	Maharaja (MJN) Club and its Precinct	Ward No. 20	Cultural significance.	1940-9th January	Cooch Behar Municipality		EQ	y		
19	Kalyan Bhaban (Backward class welfare office, Govt. of WB) (Past Names) Moti Mahal	Ward No. 18	Actor Biswajit Chattapadhyay resided in this building.		Cooch Behar Municipality		EQ	y		
20	Parijat Villa (Dist. Judge's bungalow)	Ward No. 18	Historically signified as the residence of High Profile Officers of the then Royal Court.		Cooch Behar Municipality		EQ	y		
21	Ananda Ashram (DSP's bungalow)	Ward No. 19	Residence of Dr. Dineshananda Chakrabarty (first Civil Surgeon of Cooch Behar State & Maternal home of		Cooch Behar Municipality		EQ	y		

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

			Rai Choudhury Sushil Kumar Chakrabart y.							
22	Lal Bagh (CMOH office)	Ward No. 19	Historical significance related to the office and residential bungalow of the ADC of King of Cooch Behar.		Cooch Behar Municipality		EQ	y		
23	DM bungalow and its precinct	Ward No. 04	Historically significant precinct strategically positioned near the Airport, for king's respite during journey or come back.		Cooch Behar Municipality		EQ	y		
24	Deputy Labour Commissioner Office (Past Names) Dilkhush bhaban	Ward No. 18	Built for the high officials of Cooch Behar State.		Cooch Behar Municipality		EQ	y		
25	Jenkins School (New building) and its precincts	Ward No. 17	Highly significant structure possessing various values. First high school within the Cooch Behar State	1905	Cooch Behar Municipality		EQ	y		

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

			providing higher studies and English lessons also for the students of outside of the State.							
26	Madan Mohon Mandir complex and its precinct	Ward No. 20	Most significant religious institution associated with the mythical facts.	1885	Cooch Behar Municipality		EQ	y		
27	Brahma Samaj Mandir	Ward No. 19	Only reminder of the Bramho movement . Clock-tower was damaged during earthquake in 1897.	1887	Cooch Behar Municipality		EQ	y		
28	Debi bari / Bara Debi bari	Ward No. 19	Durga Puja had been started on this site since early periods. In later periods kings of Koch dynasties continued the puja over this sacred land and constructed the present Temple.	1915	Cooch Behar Municipality		EQ	y		

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

29	N.N. Park	Ward No. 19	Natural heritage resource maintained by forest department.	1881	Cooch Behar Municipality		EQ	y		
30	Sagar Dighi (Past Names) Medini Sagar	Ward No. 19	This is a significant water body of Cooch Behar Culturally, historically & environmentally since 1807.	1807	Cooch Behar Municipality		EQ	y		
31	SDO Court	Ward No.8, Mekliganj, Cooch Behar	Established by King Nripendra Narayan	Above 150 years old (approx)	Mekliganj Municipality	N	N	N	N	SDO Court running
32	Nripendra Narayan Memorial Club	Ward No.7, Mekliganj, Cooch Behar	Established by King Nripendra Narayan	March, 1938	Mekliganj Municipality	N	N	N	N	Club running
33	Indira Nimna Buniadi Balika Vidhyalaya	Ward No.8, Mekliganj, Cooch Behar	Established by King Nripendra Narayan	1916	Mekliganj Municipality	N	N	N	N	School running
34	Old Hospital Building	Ward No.7, Haldibari, Cooch Behar	Established by King Nripendra Narayan	114 years (approx)	Haldibari Municipality	N	N	N	N	
35	Old Hospital Quarter	Madhya Hudumdanga, Dewanganj GP, Cooch Behar	Established by King Nripendra Narayan	110 years (approx)	Haldibari Block	N	N	N	N	

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36	Kasiabari Kalimandir	Kasiabari, Uttar Bara Haldibari GP, Cooch Behar	Devi Chowdhurani Kali Mandir	109 years (approx)	Haldibari Block	N	N	N	N	
37	Shesar Dhap	Chhoto Haldibari, Uttar Bara Haldibari GP, Cooch Behar		105 years (Approx)	Haldibari Block	N	N	N	N	
38	Dewanganj Bazar Well	Madhya Hudumanga, Dewanganj GP, Cooch Behar	Established by King Nripendra Narayan		Haldibari Block	N	N	N	N	
39	Milestone	Boxiganj, Boxiganj GP, Cooch Behar	Established by King Nripendra Narayan	133 years (approx)	Haldibari Block	N	N	N	N	
40	Street Light Post	Ward No.1, Haldibari Municipality, Cooch Behar	Established by King Nripendra Narayan	138 years (approx)	Haldibari Municipality	N	N	N	N	
41	Mathabhanga High School	Ward Number 5, Mathabhanga Municipality	High School	1890	Mathabhanga	N	N	Y		
42	Chhabiranesa Nimna Buniadi Prathamik	Ward Number 5, Mathabhanga Municipality	Jr Basic School	1910	Mathabhanga	N	N	Y		

DISTRICT DISASTER MANAGEMENT PLAN, COOCH BEHAR, 2019

	Vidyalaya	pality								
4 3	Nripendr anarayan Memorial Library	Ward Numbe r 3, Matha bhanga Munici pality	Library	1915	Matha bhanga	N	N	Y		
4 4	S.D.O. Office, Mathabh anga	Ward Numbe r 5, Matha bhanga Munici pality	S.D.O. Office	1896	Matha bhanga	N	N	Y		
4 5	Madan Mohon thakur Bari (Temple)	Ward Numbe r 3, Matha bhanga Munici pality	Temple	1903	Matha bhanga	N	N	Y		
4 6	Nagar Ahilkar's Bungalow	Ward Numbe r 5, Matha bhanga Munici pality	S.D.O.'s Bungalow	1896	Matha bhanga	N	N	Y		

AUTHORITY FOR PLANNING AND AUTHORIZATION OF THE PLAN

This Plan has been prepared with the recognition to have a co-ordinated approach for disaster mitigation; in accordance with the Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal/NDMA mandates. The plan has been prepared with inputs from Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal and with the joint efforts of all the stakeholders. The Plan is recommended for approval as a working document for Cooch Behar Airport, Airports Authority of India, West Bengal.

Prepared by:

1. Nirmal Lama, AGM (ATM) Signature: _____
AAI, Cooch Behar Airport, West Bengal
2. Fazal Rahim Khan, Manager (ATM) Signature: _____
AAI, Cooch Behar Airport, West Bengal

DOCUMENT APPROVAL

The following table identifies all management authorities who have successively approved the present issue of this document

Organization	Name	Designation	Signature	Date
AIRPORTS AUTHORITY OF INDIA	Pradeepta Kumar Bej	AIRPORT DIRECTOR, Cooch Behar Airport		
Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal	-----	District Disaster Management Authority, Cooch Behar		

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Introduction

The Disaster Management Act, 2005 (DM Act, 2005) lays down institutional and coordination mechanisms for effective Disaster Management (DM) at the national, state, and district levels. As mandated by the Act, the Government of India (GoI) created a multi-tiered institutional system consisting of the National Disaster Management Authority (NDMA), headed by the Prime Minister, the State Disaster Management Authorities (SDMAs) by the Chief Ministers and the District Disaster Management Authorities (DDMAs) by the District Collectors and co-chaired by elected representatives of the local authorities of the respective districts. **These bodies have been set up to facilitate the paradigm shift from the hitherto relief-centric approach to a more proactive, holistic and integrated approach of strengthening disaster preparedness, mitigation and emergency response.**

Airports Authority of India, being a public sector undertaking of Government of India (GoI), under the Ministry of Civil Aviation has prepared its Disaster Management plan with the twin objective of

- 1.) Provide assistance to the National Disaster Management Authority (NDMA) and State Disaster Management Authority (SDMA) by making available its resources to the National Executive

Committee or State Executive Committee for the purposes of responding promptly and effectively to any threatening disaster situation or disaster.

- 2.) Use the resources available with Disaster Management Authorities at all levels to effectively manage the aviation Disasters, happening at the airport or off the airport.

Aviation is not new to disasters as in spite of the continuous efforts to improve safety and indeed air travel is one of the safest mode of travel, aircraft accident do happen. To prevent the air disasters and to mitigate the risk of such disasters, each airport has prepared the Airport Emergency Plan as per the guidelines of ICAO, DGCA and BCAS. This plan also outlines the role of Civil Administration in managing the aviation disaster. AAI needs to take advantage of the enhanced Disaster Management infrastructure being created by Govt. through NDMA, SDMA, District Disaster Management Authority (DDMA) and National Disaster relief Force (NDRF) etc.

An airport is the vital logistic facility to facilitate the fast movement of men and material required by the Govt. to manage the disasters affecting the people. Therefore, it is of utmost importance that airports remain operational and, in case affected by natural disasters, are put into operation quickly. Disaster Management Act 2005 (section 36 & 37) defines the role and responsibility of the Ministries or Departments of Govt. of India in Disaster Management and ask them to:

Chapter - 01

Document Preparation, Publication & Amendments

From time to time amendments will be issued to this Airport Disaster Management Plan. To maintain a correct and up to date copy of the Airport Disaster Management plan, it is important that instructions given in amendment notices are carried out.

- a) Proposal for amendment or additions to this plan should be made by The Airport Director in co-ordination with DDMA/ Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal.
- b) Proposed amendments of minor nature e.g. telephone numbers, address etc. which do not affect the procedural matters will be dealt with administratively by The Airport Director and promulgated as per the distribution list.
- c) The workability of this plan will be reviewed after every two years through conducting drills along with the stake holders.

Enquiries

Enquiries/clarifications/suggestions, if any, should be addressed to:

Airport Director
Airports Authority of India
Cooch Behar Airport, West Bengal-736101
Email : apdcoochbehar@aai.aero
Telephone : 03582-222518

Responsibility for documentation and publication

- i) Disaster Management Plan is to be prepared by the Airports and will be sent for approval of SDMA, NDMA and DGCA. The Airport Director, AAI is responsible to publish and maintain this Plan.
- ii) The Executive Director (Aviation Safety), AAI on behalf of the Chairman, AAI will ensure that the policies and procedures as approved by NDMA are incorporated in this Plan.

Authority/Responsibility for amendments

- i) The Executive Director (Aviation Safety) is responsible for incorporating amendments to the ADM Plan.
- ii) Holders of hard-copies of Plan are responsible for ensuring that the Plan is kept up to date. This includes inserting new chapters or chapter amendments in a timely manner and complying with any instructions on amendment advice.
- iii) The user of Plan will be responsible for verifying the currency of documentation in the Plan.

Review

- i) The Airport Disaster Management Committee on behalf of AAI will conduct a yearly review of this Plan to ensure accuracy and updating of all its contents and reference data. The results of such audit and action taken there upon will be documented and presented to The Executive Director (Aviation Safety), AAI for consideration and to be submitted to NDMA/ SDMA for approval.
- ii) Incorporating Changes: The Airport Disaster Management Committee on behalf of AAI will ensure that the:
 - Changes being incorporated are duly approved by the competent authority.
 - Relevant pages in the Plan are revised.
 - Amendment/advice is issued in time to all concerned in respect of new chapter(s) and the same is inserted in the Plan.
 - Master- copy of the Plan is updated.

Interpretation of words

- i) In the interests of simplicity, any reference to the masculine gender can be taken to mean either male or female.

Effective date

- i) Effective date of an instruction is indicated at the foot of the page.
- ii) New edition will be indicated by date at the foot of the page with the help of Document ID.

Change of history

This is first edition of the Plan. Subsequent changes will be indicated on ‘Record of Amendments and Corrigenda’

Format

- i) Amendment-documentation being inserted in the Plan must contain headers and footers that are consistent with those residing in this document.

Controlling the Plan

- i) The Chairman AAI will be the controlling authority of this Plan. At the station level Airport Director Cooch Behar Airport will be the controlling authority.

Distribution of the Plan

- i) The hard copies of Airport Disaster Management Plan will be circulated to Executive Director (Aviation Safety), Executive Director (Operation), Executive Director (Engg), Executive Director (ATM), Executive Director (CNS), General Manager (FS) Airports Authority of India. The approved Plan and the subsequent amendments will also be published on AAI website and **Infosaarthee**.

Chapter - 02

Scope of Airport Disaster Management Plan

The purpose of AAI DMP of Cooch Behar Airport is to spell out the procedures for coordinating the response of different agencies and services, both on and off the airport, to cope with various aircraft related and non-aircraft related emergencies anticipated at the airport. The procedures to deal and manage different types of emergencies anticipated at the airport are drawn up clearly in Cooch Behar Airport Emergency Plan.

The plan address disaster management functions of airport in co-ordinations with Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal / DDMA. The Disaster Management Act 2005 envisages that every ministry or Govt. of India undertaking shall prepare a DMP as per the guide lines of NDMA to deal with various disasters. AAI being a public sector understanding Govt. of India, under the Ministry of Civil Aviation (MOCA) has prepared its DM plan with the twin objective of:

Provide assistance to the national disaster management authority (NDMA) and Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal by making available its resources to the DM agencies at all levels for the purpose of responding promptly and effectively to any threatening disaster situation.

- a) Use the resources available with NDMA / Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal at all levels to effectively manage the aviation disasters, on site or off site the airport.

This Disaster Management Plan for the **Cooch Behar Airport, West Bengal** has been prepared by encompassing the guidelines of NDMA vis-à-vis the facilities available at the airport and by incorporating the disaster management infrastructure being provided by the respective DDMA, SDMA, NDRF, etc.

The Disaster Management Plan for the **Cooch Behar Airport, West Bengal** has been prepared by the office of **the Airport Director, Cooch Behar Airport, West Bengal** and shall be forwarded to the

concerned DDMA/SDMA authority for their concurrence and shall also be forwarded for the due approval to the Director General of Civil Aviation (DGCA)/Ministry of Civil Aviation (MoCA).

The possible disasters that could occur at **Cooch Behar Airport, West Bengal** have been identified here and an elaborate plan has been drawn which includes the emergency control measures, plan of coordination and interaction with various agencies. The possible disasters that could strike at this airport and for which the disaster management plan has been prepared are as follows:

Disaster Type	Natural	Man-made	Hybrid	Whether airport services would be affected or Not
Tropical Cyclones	Yes	No	No	Yes
Storm	Yes	No	No	Yes
Floods	Yes		Yes	Yes
Environmental Pollution	Yes	No		Yes
Chemical, Biological, Radiological & Nuclear	No	Yes	No	Yes
Landslide	No	No	No	No
Earthquake	Yes	No	No	Yes

A designated authority is required to avoid any delay in notifying an emergency. The person at the site will be authorized and be automatically responsible to promptly identify, classify and declare the emergency and notify the authority at the airport and outside the airport. The designated authority in this plan is the Operational In-charge.

For any disaster happening at the airport, the designated authority shall be responsible to provide the initial response and activate the DM mechanism as per the Disaster Management Plan for the respective airport.

Airport Emergency Managing Committee:-

To ensure co-ordinated action, an Airport Emergency Managing Committee will be constituted. The airport director will be the chairman of this committee. The committee will comprise of members from various departments in airport including the following. Airport Administration

- Air Traffic Control
- Apron control
- Airport Rescue and Fire Fighting Services.
- CNS
- Engineering (Civil & Electrical)
- Airport Security Services (ASU,BCAS)
- Maintenance Department
- Representative from Airlines
- Transportation Department
- Member from DDMA./SDMA./NDRF.

Also member from Airport Authority of India and district administration will be part of the committee. Airport emergency managing committee will design the procedure the emergency action plan, evacuation plan and procedures for implementation based on local needs and facilities available.

For effective implementation of emergency action; coordination among the various agencies involved in emergency control centre will be expected. **Emergency control centre** will be established as “supreme command post” for emergency action, for direct action and coordination at ground level “Mobile Command Post” will be established. Emergency action committee will select officer’s in-charge for emergency control centre.

Plan Format:

This plan shall detail the action plan prepared as per the guidelines of the DDMA/ Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal. This shall include the following aspects:

- (i) Preparedness
- (ii) Capacity Development
- (iii) Education & Awareness Generation
- (iv) Training & Community Participation
- (v) Providing Critical Infrastructure
- (vi) Response & Recovery

The approach followed will emphasize preparedness and disaster-specific risk reduction measures, including technical and non-technical measures that are environment and technology friendly and sensitive to the special requirements of the passengers and airport community.

The objective of disaster response is to carry out following tasks, all within the constraints of available resources:

Mitigation of accidents at source

- (i) Prevention of deterministic health effects in individuals
- (ii) Providing first-aid and treatment of injuries
- (iii) Reducing the probability of stochastic effects in the population
- (iv) Reduction of psychological impact on the population
- (v) Protection of environment and property

There shall be holistic and integrated approach at all levels covering all components which are as follows:

- (i) Prevention
- (ii) Mitigation
- (iii) Preparedness
- (iv) Response
- (v) Relief
- (vi) Rehabilitation
- (vii) Reconstruction
- (viii) Recovery etc.

The strategy can be made effective by adoption of a three-step approach, namely, identifying the potential risks and assessing their impact, building the necessary capabilities to respond effectively, and continually evaluating and testing our preparedness, which includes identifying lessons learnt from mock-exercises and real-life events.

The plan shall be an ‘all hazards’ approach in handling any disaster at various levels of administration with specialists involved to advice on various issues. Specialists may be engaged to assist/advice on the issues as follows:

- (i) Roles & responsibilities
 - (ii) Training
-

- (iii) Planning
- (iv) Equipment's & SOPs
- (v) Intervention levels for various actions by members of rescue and relief teams
- (vi) Action level to control the consumption of contaminated food items in the affected areas

Chapter-03
Plan Objectives

- To save lives of affected air passengers by effective medical response with treatment of injured in aircraft disaster
- Providing medical emergency support function & infrastructure equipment in a state of readiness for response with special arrangement for mass causality management involving large number of person
- Preparation of guidelines, contingency plan including SOP's to meet the situation
- Prevention & reduction of disaster impact by undertaking prevention mitigation, risk reduction measures by structural & non-structural measures
- Preparation for effective response aimed to save lives minimize the loss of property damage pick recovery from disaster impact
- In the event of a major disaster or protracted emergency, this plan shall give guidance in the tasking of responsible/lead agencies in the implementation of the following strategic and operational objectives:
 - a. Ensure a collaborative and coordinated response to the disaster among all the stakeholders
 - b. Ensure food availability/security and good nutrition to affected populations in times of disaster
 - c. Ensure Hygiene Promotion, Water Supply, and proper Sanitation
 - d. Ensure Adequate Health Services and Health Systems Infrastructure is adequate

Chapter - 04

Airport Designated Authorities, Role & Responsibility

When Natural Disaster occurs, the organisations / units involved and their roles and responsibilities are as follows.

1. Action By AAI , Air Traffic Services

Air Traffic controller shall as soon as the warning is received ATC will put on the

- Siren - for general alert to all the agencies working at the airport
- Crash bell/Fire bell - to alert the fire station for fire and rescue operation
- Declares Emergency depending on the situation, on R/T or Hot Line or Phone directly connected to Fire control room
- Inform immediately to the West Bengal State Disaster Management Authority for necessary action
- Advise aircraft in flight to divert to an alternate destination if needed
- Inform the Airport Director about the gravity of situation and effect on operation
- Take NOTAM action and resumption of ATC operations according to the nature and situation of Disaster

When full emergency is declared the following information shall be included by ATC to Fire Watch Tower:

Flight No.	
Type of Aircraft	
Name of the owner of aircraft	
Number of occupants	
Fuel on Board	
Nature of trouble	
Runway to be used & Subsequent change of R/W	
Expected Time of Arrival (ETA)	

- Carryout Runway inspection

ATC officer will inform

Manager (Terminal)

- In-charge Airport Security (ASG)
- Airport Director
- Metrological duty officer
- Will monitor the movement and progress of safety services and their activities.
- Inform Civil Hospitals and Ambulance services.
- Inform listed doctors to reach the crash site as per the procedure
- Inform City Police (hot line)
- If required by Airport Safety services call City Fire brigade on hotline or any other assistance required. Take NOTAM action & resumption of ATC operations according to the nature and situation of disaster.
- Originate signal & report to all concerned
- Cancellation of NOTAM.
- Guide ATC for sorting out the air Traffic.
- Assess the situation for more help for RFFS and responding agencies.
- Ensure all actions are taken by Tower
- Keep Airport Director informed about the gravity of situation and effect on operations.

- Coordinate TM operations/security on the crash site.
- Investigations, Photography, etc. & restoration of ATC operations. Seal the records with the help of CNS In-charge.
- Make arrangement for video Photography.
- Concerned Airlines.

Responsibilities of Airport Director:

Keep informed to the following Officials:

- RED
- Member (OPS)
- Chairman AAI
- District Collector / DDMA
- ED (ATM)
- GM (ATM)
- Director (Air Safety) DGCA

2. Action By Rescue & Fire Fighting.

- Fire Watch Tower / Control Room In-charge shall relay the warning on P.A. system to all fire crew and to the Office-In-Charge of the Fire Service
- Fire Watch Tower / Control Room shall keep surveillance of the aircraft movement areas and report to the ATC immediately of any FOD
- Office-In-Charge (Fire) during any storm warning should inspect their all rescue & fire fighting vehicles & fire crew
- Conduct fire suppression & rescue operations, if needed
- Assisting in providing emergency medical assistance, if needed
- Assist in emergency operations like search operations, inspection, personnel accountability & protective action implementation
- Co-ordinate activities with local community emergency response agencies, if necessary

FIRE SERVICE EQUIPMENTS & INFRASTRUCTURE AVAILABLE.

<u>Type of Vehicle / Equipments</u>	<u>QTY (Nos./Pairs)</u>	<u>REMARKS</u>
01. Fire tenders	02	
02. Air Field ambulance	01	
03. Helmet	06	
04. Large Axe	01	
05. Shovels	00	
06. Fire Beaters	00	
07. Crow Bar	02	
08. Hack Saws	01	

09.	Sledge Hammers	00
10.	Bolt Cutters	01
11.	Door Opening Tool Set	00
12.	Lifting & Pulling Machine	00
13.	Towing Steel Cable 50 Metres	00
14.	Hydraulic Power Units	01
15.	Hydraulic Jacks 50Tons	00
16.	Chisels	00
17.	Sand Bags	00
18.	Coffin Bags	00
19.	Rescue Line and Ropes 30 20-50 metres	02
20.	Inflatable Lights	02
21.	Lifting Bags	00
22.	Walkie – Talkies	08
23.	Mega Phones	02
24.	Cordless P.A. System (C.F.T.-RB)	01

Individual Protection Kit

01.	Fire Fighting Boots	02 pair
02.	Insulating Gloves	02 pair
03.	Proximity Suit	02
04.	Delivery Hoses	10
05.	Fireman Axe	10

Alarm and Warning Equipment

01.	Manually operated sirens	01
02.	P.A System/ public address systems	01
03.	Rotating beacons/flash lights/mega phone	01/0/02

Actions by In-charge Airport Security (ASG):

As soon as the information is received about Crash /Accident/any disaster inside the airport.

- Inform all gates to allow entry of Fire brigade /Ambulance and doctors and other responding agencies to the incident site.
- Dispatch one squad or mobile or any other vehicle to site. Do not cross-runway without ATC permissions, in case of operational area.
- Cordon the Crash site/assist the fire & rescue operations.
- Assist for evacuation.
- Assist to the crowd control and regulation of traffic flow
- Guard the bag and baggage and other property on the site in coordination of police.
- He shall coordinate with Traffic police to keep the Traffic lanes free for the movement of ambulances and other emergency vehicles on the city side

Action by City Police: -

- As all access control etc. within the airport is the responsibility of Airport Security (ASG) even then the city police will be informed and they shall arrive at the crash site.

The duties of Police Services, if disaster occurred inside the airport:-

- Assists the airport security & fire brigade at crash site.
- Maintain law and order.
- Traffic Control to & from the airport in order to facilitate the carriage of injured to hospitals.
- Prepare a list of passengers as per their requirement.
- Take care of any VIP passenger, if on board and his security etc as demand fit.
- Help the airport management/Airlines to handle the situation.
- Police authorities may dispose of the dead bodies of passengers in accordance with their procedures and in consultation with Airlines/Owner of the aircraft concerned.

The duties of Police Services, if Aircraft accident occurred outside the boundary

- The Superintendent of Police dispatches a police squad to the site.
- This squad on reaching will take over supervision of the site.
- Prevent public interference with rescue operations
- Guard property, bag and baggage, aircraft
- Maintain law& order & facilitate transportations of casualties
- Protect the wreckage and trail of aircraft till the investigations are over & wreckage taken over by the concerned airline.
- Assist outside responding agencies.

Role and Responsibility of City Fire Services:

- Reach at the Rendezvous point or disaster site of the airport as soon as possible and co-ordinate/Assist with Airport Fire Services for further action.
- In case of fire, start firefighting with suitable media and also take care of surrounding environment.
- Search and identify the risk and nullify the sources.
- To search and evacuate the affected population from the site of the disaster by using their available special equipment etc.

3. Action by Terminal Manager

- Shall inform the Airport Director / Operational In-charge
- Carry out functions of Crisis Management Center (CMC) until the arrival of airport director

4. Action by Engineering Deptt.

- The Role of Engg Dept. would be highly desirable during Rescue & Salvage operation from building. Arrangement for additional emergency lighting, skilled
-

labor and heavy duty equipment like chains, bulldozer etc. should be made from its own resources or by contract

- Periodic inspection of Airport and building area that maybe precursor to disaster is highly desirable.

5. Action by CNS Deptt.

- Additional communication channel should be established among all responding agencies
- Provision of WLL Telephone may be provided to meet the situation.

6. Action by Finance & Accounts

- Allocation of additional funds for prevention of disaster, mitigation, capacity building and preparedness plan. Plan contingency reserved fund must be kept under budgetary heads

7. Action by E & M Workshop

- Efforts shall be made to provide maximum possible transportation facilities along with repair team. M.T. vehicles shall be made available at command post. Adequate nos. of vehicles transportation arrangements, POL, manpower, equipment & other resources which would be required to mobilized quickly

8. Action by all Airlines

All airlines concerned shall on receipt of the storm warning take the necessary action to ensure that

- Their helicopters are to be moored from all sides
 - For the propeller driven aircraft; blades should be properly secured
 - For their jet engine aircraft; all the turbine blades should be secured.
 - No loose chokes should be left on the apron
 - That container should be fully fastened to prevent them from flying around and damaging the aircraft and ground installation
-

- All the mobile ground equipments should be parked at the designated points when not in use and hydraulic / manual jacks should be applied to prevent them from rolling during the storm
- Ground equipments including dolly-trolleys, trestles and step ladders should be checked for serviceability and proper braking
- Choke should be position on both sides of all the wheels so as to arrest side way / forward movements
- The temperature permitting parking brakes be kept “ON” during the storm warning
- Those high rise vehicles be parked and moved in low down position, immediately after use should be removed away from the aircraft
- No equipments should be left unattended in the airside
- The equipment should be position at the aircraft parking stand only on the need bases, and during other period it should removed to the designated equipment staging area and should be properly secured
- That no loose pieces of cargo should be left on apron or out in the open
- In case any damage to the aircraft, installations and equipment and observed report it immediately to the operational in-charge (ATM)

9. Action by Aviation Services / Ground Handling Agency

- The Cooch Behar Airport aviation services concerned (Ground Handling / Fuelling Agency) shall provide the necessary ground support and assistance as directed by the action group
- Provide sufficient staff to manage the contingency, if required
- Provide help at the crash site for evacuation of casualties
- Ground handlers to ensure that, the area is clear off any equipment to be used by the ground handlers
- Fuelling agencies to ensure that the supply to the area is cut off and the zone is the isolated

10. Action by IMD Deptt.

- i) It undertakes observations, communications, forecasting and weather services. Also can use INSAT for weather monitoring and communicate to the concerned agencies.
- ii) Keep watching continuously the weather condition during disastrous situation to alert various agencies and to avoid worst situation which will be occurred due to pre disaster.

Chapter - 05

Action Plan

This Airport Disaster Management Plan shall detail the action plan as per the guidelines of Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal. This shall include the following aspects:

Sl. No.	Task	Activities	Responsibility
Earthquake			
1.	Prevention	Earthquake resistant design and construction of Public utility structure.	AAI
		Periodical Inspection and maintenance of building.	Civil maintenance
		Monitoring of seismic activities.	IMD
2.	Mitigation	Campaign for Earthquake safety tips.	Concerned section
		Identification and removal of unsafe buildings/ structure	Concerned section
		Departmental action plan(SOP)	Concerned section
3.	Preparedness	Routine drills/training, inspection/ testing of all rescue and fire fighting equipments	Fire Service
		All periodical exercise	Air traffic management / Terminal Management /Fire services
		Runway inspection	ATC
4.	Response		
		Fire fighting / rescue/medical assistance.	Fire services in coordination with ATC
		Speedy and safe evacuation	Concerned section
		Providing transport Facilities	Airlines/ MT section/ Responding agencies
		Assist other responding agencies	Concerned section/ Security Manager
5.		Rescue operation	Fire services /City fire brigade/ responding Rescue team

	Relief	Relocation of passengers/causality to temporary shelter, bed hygiene related facility /hospital /lighting	Airlines/ Terminal management/ emergency medical services/HR / Finance section
		Providing Water/food	HR
		Providing transport Facilities	Airlines/ MT section/ Responding agencies
6.	Rehabilitation and Reconstruction	Identification of suitable project	Concerned section
		Project dealing and approval	Relevant technical authority
7.	Recovery	Rebuilding infrastructure	Relevant technical authority
		Claim for Insurance	AAI
		Developing policies and practices to avoid similar situations in future	Concerned section
Cyclone/ Flood			
1.	Prevention	Forecasting and warning alerts	IMD
		Building design as per standards to resist wind/water	Relevant technical authority
		Proper drainage system	Relevant technical authority
		Improvement of building sites by raising the ground level to protect against flood and storm surges.	Relevant technical authority
		Communication and utility lines should be located away from the coastal area or installed underground.	Relevant technical authority
		Maintenance of fire appliances/ rescue equipment.	Fire services/MT
2.	Mitigation	Declaration of weather/storm standby	ATC
		Departmental action plan(SOP)	Concerned section
3.	Preparedness	Pre monsoon/cyclone meeting for preparedness	APD
		Maintaining Alert crew all the time for quick response.	Concerned Section
4.	Response	Fire fighting / rescue/medical assistance.	Fire services in coordination with ATC
		Speedy and safe evacuation	Concerned section
		Providing transport Facilities	Airlines/ MT section
		Assist other responding agencies	Concerned section
		Inform to DDMA and other related agencies	APD
5.	Relief	Rescue operation	Fire services /City fire brigade/ responding Rescue team
		Relocation of passengers/causality to temporary shelter, bed hygiene related	Airlines/ Terminal management/ emergency

		facility /hospital /lighting	medical services/HR / Finance section
		Providing Water/food	HR
		Providing transport Facilities	Airlines/ MT section/ Responding agencies
6.	Rehabilitation and Reconstruction	Identification of suitable project	Concerned section
		Project dealing and approval	Relevant technical authority
7.	Recovery	Rebuilding infrastructure	Relevant technical authority
		Claim for Insurance	AAI
		Developing policies and practices to avoid similar situations in future	Concerned section
Aircraft Crash inside the Airport			
1.	Prevention	Inspection / maintenance of Navigation aids	CNS/Electrical
		Runway inspection	ATC
		Weather status	IMD
		Follow up Air Traffic rules (Annex 2, 11, Doc 444)	ATC
		Markings/Lightings guidelines as per CAR and Annex 14	ATC/Civil/Electrical
		Serviceability of communication facilities	CNS
		Serviceability of Aircraft	Concerned Airline
2.	Mitigation	Declaration of Emergency	ATC
		Departmental action plan(SOP)	Concerned section
3.	Preparedness	Routine drills/training, inspection/ testing of all rescue and fire fighting equipments	Fire Service
		All periodical exercise	Air traffic management / Terminal Management /Fire services
		Maintaining Alert crew all the time for quick response.	Concerned Section
4.	Response	Fire fighting / rescue/medical assistance.	Fire services in coordination with ATC
		Speedy and safe evacuation	Fire service
		Providing transport Facilities	Airlines/ MT section
		Assist other responding agencies	Concerned section
		Inform to DDMA and other related agencies.	APD
		Security of Accident site	ASG
5.	Relief	Rescue operation	Fire services /City fire brigade/ responding Rescue team
		Relocation of passengers/causality to temporary shelter, bed hygiene related facility /hospital /lighting	Airlines/ Terminal management/ emergency medical services/HR / Finance

			section
		Providing Water/food	HR / Concerned Airlines
		Providing transport Facilities	Airlines/ MT section/ Responding agencies
6.	Rehabilitation and Reconstruction	Identification of suitable project	Concerned section
		Project dealing and approval	Relevant technical authority
7.	Recovery	Rebuilding infrastructure	Relevant technical authority
		Claim for Insurance	AAI / Concerned Airlines
		Investigation, developing policies and practices to avoid similar situations in future.	Concerned section/ agency
Aircraft Crash outside Airport within Response Area			
1.	Prevention	Inspection / maintenance of Navigation aids	CNS/Electrical
		Follow up Air Traffic rules (Annex 2, 11, Doc 444)	ATC
		Weather status	IMD
		Serviceability of communication facilities	CNS
		Serviceability of Aircraft	Concerned Airline
2.	Mitigation	Declaration of Emergency	ATC
		Departmental action plan(SOP)	Concerned section
3.	Preparedness	Routine drills/training, inspection/ testing of all rescue and fire fighting equipments	Fire Service
		All periodical exercise	Air traffic management / Terminal Management /Fire services
		Familiarization of response area	Airport Fire Service
		Maintaining Alert crew all the time for quick response.	Concerned Section
4.	Response	Fire fighting / rescue/medical assistance.	Fire services in coordination with ATC/ City Fire Brigade/other responding agencies
		Speedy and safe evacuation	Fire services / City Fire Brigade/other responding agencies
		Providing transport Facilities	Airlines/ MT section / other responding agencies
		Assist other responding agencies	Concerned section
		Inform to DDMA/ Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal and other related agencies	APD
		Security of Accident site as per AEP	ASG
5.		Rescue operation	Fire services /City fire brigade/ responding Rescue team
		Relocation of passengers/causality to temporary	Airlines/ Terminal

	Relief	shelter, bed hygiene related facility /hospital /lighting	management/ emergency medical services/Other responding agencies
		Providing Water/food	HR / Concerned Airlines
		Providing transport Facilities	Airlines/ MT section/ Responding agencies
6.	Rehabilitation and Reconstruction	Identification of suitable project	Concerned Authority
		Project dealing and approval	Relevant technical authority
7.	Recovery	Rebuilding infrastructure	Relevant technical authority
		Claim for Insurance	AAI / Concerned Airlines
		Investigation, developing policies and practices to avoid similar situations in future.	Concerned section/other agency
CHEMICAL DISASTER			
1.	Prevention	Advanced notification to the airport, if DG in cargo.	Consigner
		Storage and Handling according to the prescribed national rules, guidelines DGCA regulation, ICAO Annex 18 and doc 9284.	Airlines, Cargo
		Periodical Inspection and maintenance of building.	Cargo
		Permission of Central Govt.	Airlines, Cargo
		Protection of environment and property	Concerned agencies
2.	Mitigation	Campaign for Chemical safety tips.	Concerned section
		Identify and isolate the affected area	Terminal Management/ CISF/ Fire/ Concerned Agencies
		Periodical inspection and audit of Cargo building.	Concerned section
		Prohibit eating, drinking and smoking in the incident area	Concerned sections
		Preparation of DM plan for oil depot.	Concerned oil Industries.
3.	Preparedness	Routine drills/training, inspection / testing of all rescue and fire fighting equipments	Fire Service
		All periodical exercise as per fire order	Air traffic management / Terminal Management /Fire services
4.	Response	Maintaining Alert crew all the time for quick response.	Concerned Section
		Fire fighting / rescue/medical assistance.	Fire services in coordination with ATC
		Established AOCC	APD
		Speedy and safe evacuation	Concerned section
		Providing transport Facilities	Airlines/ MT section/ Responding agencies
		Assist other responding agencies	Concerned section/ Security Manager
		Inform to DDMA (collector /DRO)	APD

		Security of Accident site as per AEP	SECURITY
5.	Relief	Rescue operation	Fire services /City fire brigade/ responding Rescue team
		Relocation of passengers/causality to temporary shelter, bed hygiene related facility /hospital /lighting	Airlines/ Terminal management/ emergency medical services/HR / Finance section
		Providing Water/food	HR
		Providing transport Facilities	Airlines/ MT section/ Responding agencies
6.	Rehabilitation and Reconstruction	Identification of suitable project	Concerned section
		Project dealing and approval	Relevant technical authority
		Rebuilding infrastructure	Relevant technical authority
7.	Recovery	Claim for Insurance	AAI/Airlines/Oil Industries
		Developing policies and practices to avoid similar situations in future	Concerned section
BIOLOGICAL DISASTER			
1.	Prevention	Prevention of deterministic health effects in individual	Concerned sections
		Maintain Good House-keeping	Concerned sections
2.	Mitigation	Identify and isolate the affected area	Terminal Management/ SECURITY/ Fire
		Campaign for Biological safety tips.	Concerned section
		Inform to DDMA and related agencies immediately.	APD
		Inspect the airport premises immediately when suspected, with specialized agencies.	APD/Terminal Management
		Prohibit eating, drinking and smoking in the incident area	Concerned sections
3.	Preparedness	Lectures and trainings on Biological Disaster handling	Training Centre
		Use of Monitoring instruments and safety equipments.	Responding agencies
		Study Contingency Plans	Concerned sections
		Maintain alert crew	Terminal Management/ Fire Service
		All periodical exercise as per fire order	Air traffic management/ Terminal Management/ Fire services
4.	Response	Sealing/Security of Affected site as per AEP	SECURITY
		Maintaining Alert crew all the time for quick response.	Concerned Section
		Fire fighting / rescue/medical assistance.	Fire services in coordination with ATC/ Special rescue team

5.	Relief	Established AOCC	APD
		Speedy and safe evacuation	Concerned section/Special rescue team
		Providing transport Facilities	Airlines/ MT section/ Responding agencies
		Maintain Law and Order	Concerned section/Police/ Other Agencies
6.	Rehabilitation	Assist other responding agencies	Concerned section/ Security Manager
		Inform to DDMA/DDMO (collector/DRO)/ Local Authorities	APD
		Security of Accident site	SECURITY
7.	Recovery	Developing policies and practices to avoid similar situations in future	Concerned section
RADIOLOGICAL/NUCLEAR DISASTER			
1.	Prevention	Advanced notification to the airport, if DG in cargo.	Consigner
		Permission of Central Govt.	Airlines, Cargo
		Storage and Handling according to the prescribed national rules, guidelines DGCA regulation, ICAO Annex 18 and doc 9284.	Airlines, Cargo
		Protection of environment and property	Concerned agencies
2.	Mitigation	Campaign for Radiological and Nuclear safety tips.	Concerned section
		Identify and isolate the affected area	Terminal Management/ SECURITY/ Fire
		Prohibit eating, drinking and smoking in the incident area	Concerned sections
		Inform to DDMA/DDMO and related agencies immediately.	APD
		Inspect the airport premises immediately when suspected, with specialized agencies.	APD/Terminal Management/ Specialized team.
3.	Preparedness	All periodical exercise as per fire order	Air traffic management / Terminal Management / Fire services
4.	Response	Maintaining Alert crew all the time for quick response.	Concerned Section
		Fire fighting / rescue/medical assistance.	Fire services in coordination with ATC/ Special rescue team
		Established AOCC	APD
		Speedy and safe evacuation	Concerned section/Special rescue team
		Providing transport Facilities	Airlines/ MT section/ Responding agencies

		Maintain Law and Order	Concerned section/Police/Other Agencies
		Assist other responding agencies	Concerned section/ Security Manager
		Inform to DDMA/DDMO (collector /DRO) /Local Authorities	APD
		Security of Accident site	SECURITY
5.	Relief	Rescue operation	Fire services /City fire brigade/ responding Special rescue team
		Relocation of passengers/causality to temporary shelter/hospital as per safety procedure	Airlines/ Terminal management/ emergency medical services/ Special rescue team
		Providing Water, food , bed etc , hygiene related facility	HR
		Providing transport Facilities	Airlines/ MT section/ Responding agencies
6.	Rehabilitation and Reconstruction	Identification of suitable project	Concerned section
		Project dealing and approval	Relevant technical authority
7.	Recovery	Rebuilding infrastructure	Relevant technical authority
		Claim for Insurance	AAI/Airlines/Oil Industries
		Developing policies and practices to avoid similar situations in future	Concerned section
		Rebuilding infrastructure	Relevant technical authority
		Claim for Insurance	AAI/Airlines/Concerned Agencies

EPIDEMICS			
1.	Prevention	Prevention of deterministic health effects in individual.	Concerned sections
		Prevent poor sanitary conditions which may contaminate food and water.	Concerned sections
		Protect the environment/buildings from breeding conditions for the insect vector.	APD
		Maintain Good House-keeping.	Concerned sections
2.	Mitigation	Structuring the health services at airport	APD
		Medical inspection for arriving passengers.	Medical team
		Check up and diagnose the victims.	Medical team
		Identify and isolate the affected area	Terminal Management/ CISF/ Fire
		Prohibit eating, drinking and smoking.	Concerned sections
		Use PPE while handling passengers/ person/visitors	Concerned section

3.	Preparedness	Campaign for Epidemic safety tips.	Concerned section
		Inspect the airport premises immediately when suspected, with specialized agencies.	APD/Terminal Management
		Use of Monitoring instruments and safety equipments.	Responding agencies
4.	Response	Improving the sanitary condition wherever observed.	Concerned section/ Civil/Terminal
		Follow disposal procedure of waste, disinfecting the water source.	Concerned section
		Assist other responding agencies	Concerned section/ Security Manager
5.	Relief	Relocate the passengers to a safe and hygienic area.	Airlines/ Terminal management/ Medical team
		Arrange for hygienic Water/food/sanitation facilities	HR
6.	Rehabilitation and Reconstruction	Reduction of psychological impact	APD
7.	Recovery	Developing policies and practices to avoid similar situations in future	Concerned section

Chapter - 06

Role & Responsibilities of Deptt. of Disaster Management and Civil Defence, Govt. of West Bengal in Airport Disaster Management Plan:

As per section 40(1) of disaster management act 2005, each deptt. should prepare a disaster management plan in conformity with the guidelines laid down by the SDMA.

SDMA shall provide assistance to mitigate the disaster situation at airports by utilising all the available emergency resources. Its activities includes:

- Drawing of mitigation, preparedness & respond plan
- Assessing the damage from any disasters
- Providing emergency communication to effected area
- Transportation, personnel & relief goods to and from the affected area providing shelters and other immediate essential relief
- Keeping all health infrastructure equipments, hospitals & personal in a state of readiness for response with special arrangement for causality management involving large number of affected persons
- WBSDMA is deputing QRT team for quick response. It has emergency operations centres (EOCS) whether it is required to set up 24x7 hours.

Role of State Disaster Management Authority, West Bengal (SDMA)

- 1) Provide assistance to the SDMA, state relief commissioner, collectors and local authorities in Cooch Behar Airport Disaster Management activities.
- 2) Carry out relief and rehabilitation activities at Cooch Behar Airport under the supervision of the commissioner and the collector.
- 3) Co-ordinate preparation and the implementation of Cooch Behar DM plan with other departments, local authorities, communities, and stake holders.

Responsibility of the State Disaster Management Authority, West Bengal (SDMA)

- Promoting an integrated and coordinated system of disaster management including prevention or mitigation of disaster by the State, local authorities, stakeholders and communities
- Collect / cause to be collected data on all aspects of disasters and disaster management and analyze it and further cause and conduct research and study relating to the potential effects of events that may result in disasters
- Act as a repository of information concerning disasters and disaster management
- Lay down the policies and plans for disaster management in the State
- Promote or cause to be promoted awareness and preparedness and advice and train the community, and stakeholders with a view to increasing capacity of the community and stakeholders to deal with potential disasters
- On the expiry of a disaster declaration, the Authority shall, where necessary, act as an agency for facilitating and coordinating rehabilitation and reconstruction activities by departments of the Government

Role and responsibility of The Chief Executive Officer – SDMA, West Bengal

CEO of SDMA, West Bengal shall perform a nodal role across different phases of disaster management like:

- Coordinate and monitor activities relating to prevention and mitigation of disasters, including capacity-building
 - Coordinate and monitor rehabilitation and reconstruction activities
 - Monitor the progress of the preparation and updating of disaster management plans and coordinate the implementation of such plans
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- Prepare and submit periodically a report to the Authority on the activities undertaken by the Authority
- Delegate his powers and functions to officers and employees of the Authority

Utilisation of Airport Service by SDMA, West Bengal / NDRF

Process of distribution of relief materials (perishable items like food, medicines etc, non perishable items like clothes, tents, tarpaulin, utensils, shelter items etc) to the affected area by air dropping of relief materials which needs to take help from Air Force, Army Helicopters in coordination with **Airports Authority of India**. For this pre agreement with the concerned deptt. is required to carry out relief operation without losing precious time.

Specialized Teams:

Specialized teams will be raised, specially trained for the nuclear/radiological emergency/disaster and fully equipped at the state as well as central levels. Persons will be trained extensively in the subjects of radiation, radioactivity, radiation protection, use of monitoring instruments, use of PPEs, shielding, decontamination, waste disposal etc.

Resources Available with State Disaster Management Authority, West Bengal

Sl. No	Equipments	Quantity	Remarks
01	Folding bed		
02	Computer		
03	Printer		
04	UPS		
05	Torch		
06	Standing Tube Light		
07	Helmet		
08	Stretcher		
09	Inverter		
10	Battery		
11	Bosch Electric Drill Machine		
12	Bosch Electric Hexo Cutter		
13	Bosch Electric Concrete Cutter		
14	Shovel (Belcha)		
15	Shade (Pharwa)		
16	Spade (Kata)		
17	Big Hacksaw (Ara)		
18	Big Hammer		
19	Arrow (Gaiti)		
20	Rope		
21	Lock Cutter		
22	Wood Cutter		
23	Mike		
24	Ramba		

- Accountable to any absence related to disaster management of the department. Take the lead to emergency function plan and standard operating procedure (SOP).
- Constitute the quick response team (QRT) as per the need.
- Set up control room as per the need of the department.
- Organised regular awareness programmes in the department.
- Organised the periodic mock drill at least twice a year as per the suitability of the department.

Chapter - 07

Role of Medical Authority

Facility for safe disposal of contaminated waste, de-corporation and managing patients exposed to radiation and primary trauma care is the responsibility of the identified district hospital. They will maintain essential stock of medical supplies. Facility for safe disposal of contaminated waste, de-corporation and managing patients exposed to various hazards and primary trauma care is the responsibility of the identified district hospital. They will maintain essential stock of medical supplies. Risk and resource inventory of protection and detection equipment, decontamination and decorporation agents, casualty treatment kits will be prepared at all levels of the medical management planning process. Contaminated articles may have to be disposed following the guidelines of hospital waste management rules. People affected with acute haemopoietin, gastrointestinal, coetaneous and CNS syndrome which requires special care would be shifted to the nearest Radiation Injury Treatment Centre. Names, addresses, destinations, and telephone numbers of those individuals are to be recorded who cannot be persuaded to stay at the incident scene. The civic authorities will make arrangements for dead body identification and management. Apart from that, there are various DM agencies available in the neighbourhood of the airport which are to be identified and their role and the coordination procedures should be well documented in the respective Airport DM Plan. The respective airport may provide assistance to their DDMA, SDMA and other DM agencies by making available its resources to the DM agencies at all levels for the purpose of responding promptly and effectively to any impending disaster or subsequent to a disastrous event.

Quick Reaction Medical Team:(QRMT)

District health authority will constitute **Quick Reaction Medical Team (QRMT)** for pre-hospital medical care and to assist the specialized teams of NDRF and SDRF in providing necessary help in decontamination, triage and administration of de-corporating agents, basic and advanced life support etc. QRMTs will consist of RSOs, medical doctors, nurses and paramedical staff and would be equipped with monitoring instruments/equipment, PPEs, decontamination agents, other materials, critical care vans with resuscitation and life support system. QRMTs will form part of the regular mock-drill/simulation exercise or table top exercise conducted by DDMA.

National Crisis Management Committee (NCMC)

Comprising high level officials of the Govt of India headed by the Cabinet Secretary, will continue to deal with major crises which have serious ramifications. The emergencies including those requiring close involvement of the security forces and/or intelligence agencies such as terrorism (counter-insurgency), Law and Order Situations, Serial Bomb Blasts, Hijacking, Air Accidents, Chemical, Biological, Radiological and Nuclear Weapon Systems, Mine Disasters, Ports and Harbour emergencies, Forest Fires, Oilfield Fires and Oil Spills will continue to be handled by the extant mechanism i.e. NCMC. It will be

supported by the Crisis Management Groups (CMG) of the Central Nodal Ministries and assisted by NEC as may be necessary. The Secretary, NDMA will be a permanent invitee to this Committee.

**ACTION LEVEL TO CONTROL THE CONSUMPTION OF CONTEMNENT FOOD ITEMS
IN THE AFFECTED AREA**

Operational Objective	Activity	RESPONSIBLE AGENCY	CONTACTS
Aid workers, volunteers and other responders possess appropriate qualifications attitudes and experience	Ensure that aid workers that have relevant technical qualifications and knowledge of local cultures and customs, and/or previous emergency experience are use.	Principal Secretary Sec (Tourism) DSP(T) DM, COOCH BEHAR	
Hygiene is Promoted	Users are involved in the management and maintenance of hygiene facilities. Ensure that systems/personnel for identification of key hygiene risks of public health importance are in place	Health & Sanitation Dept.	
Solid waste is managed	Solid wastes (including medical wastes) are collected and disposed of safely. Ensure involvement of people from the affected population in the design and implementation of the solid	State Health dept.	

	waste program me.		
Food is secure	<p>An analysis is conducted of how affected persons access food and the impact of the disaster on current and future food security.</p> <p>Access and analyze food security elements in relevant geographic locations and livelihood groupings, distinguishing between seasons, and over time, to identify and prioritize needs</p>	State Health Dept.	

Chapter-08

Standard Operating Procedures (SOPS)

These procedures are meant to enable coordination for effective and efficient response to national disaster emergencies to minimise loss of life and its extended collateral effects. They are to be read as a guide and in conjunction with the laws, regulations and procedures governing disaster and emergency response agencies.

In order to combat the potential threat and to mitigate multiple risk, it is imperative that a co-ordinated intervention through key stake holders is put into place. The procedures shall be updated and revised every year incorporating the new insight experience and understanding of vulnerability and risk perceptions and disaster that take place with the passage of time.

Organize proper training of officers and staff so that they can help in rescue, evacuation and relief work at different stage of disaster. A prompt, well-coordinated and effective response mounted in the aftermath of disasters not only minimizes loss of life and property but also facilitates early recovery.

Concept of Operation

Upon activation of this plan, the command and control of the disaster emergency will be overseen at the co-ordination centre known as the Joint Operation Centre (JOC). The co-ordination will be established SDMA/NDRF office. The Director of the National Disaster Operations Centre is authorized to mobilize any portion of these procedures to respond and recover from the effects of disaster emergencies or the imminent threat of a disaster emergency.

Chapter - 09

Levels of Operation in Disaster Response

Level 1

Localized emergency events dealt within the regular operating mode of the protective, emergency and health services in the district.

Level 2

Disaster Emergency events that overwhelm the capacity of the resources in the municipal/ district, but which do not overwhelm the capacity of the provincial resources to respond and recover (such zones of impact can be declared Affected Areas).

Level 3

Disaster Emergency events that requires the mobilising of national resources to respond and recover (such an event may be designated as a national disaster). This will prompt seeking of assistance from other external partners.

Level 4

A Disaster Emergency event that overwhelms the existing national response capacity, thus prompting the President to declare a national disaster to seek foreign/international assistance to support the country in the response and recovery initiatives

The response of the NDOC and other collaborating response agencies depends on the severity of the disaster emergency and the type of assistance required.

Chapter – 10

Aviation Infrastructure

The airport infrastructure which, if damaged by earthquake, can cause multiple loss of life, damage to aircraft, stoppage of operations should be identified. The following airport facilities are most sensitive:

Sr. No.	Infrastructure	Reason	Hazard	Mitigation
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A.	Terminal Building	High density of people movement	Injury/Loss of life of passengers and staff due to collapse of building, Stampede, Fire electric light failure	Earth quake resistant construction by following the appropriate building codes, Building evacuation Plans, multiple wide exits and signages, wide staircases, Fire plan, alternate/emergency power, identified open areas Prior arrangements to restart TB
B.	Control Tower and ATC facility (at the airport or away from the airport)	Multi storied, damage will result in stoppage of operations	Injury/Loss of life of staff; fire, Stoppage of operations, Difficult rescue operations	Earth quake resistant construction by following the appropriate building codes, Evacuation Plans, alternate tower operations
C.	Electrical installation such as power stations	Will cause electrical disruption of airport operations, chances of fire	electrical disruption of airport operations, chances of fire	Alternate power source, Robust construction by following building codes
D.	Runway and apron	Damage to runway will hamper operations including relief flights	Damage to aircraft landing or taking off during earthquake Stoppage of operations	Prior arrangements to repair runway
E.	Navigational facilities	Will hamper aircraft operations	Delay/ disruption of flight operations	Prior arrangements to repair nav aid buildings and equipment
F.	Culverts and Flyovers	Culverts below the runway, taxiway etc. which are used by aircraft, Flyovers used by aeroplanes or the vehicles, passengers	High weight of aeroplanes, high volume of airport users and their vehicles	Construction as per Annex 14 and airport design manual. National building code 2005 and other relevant standards
G.	Refuelling facilities and fuel farms	Prone to fire During earthquake or otherwise	Proximity to airport important installations can cause fire risk to persons and property	Follow the standards between the fuel farm and airport critical facilities. Develop new standards in coordination with NDMA and Oil companies.
H.	Fire Station	Critical	Fire building	Fire resistant design and

		airport Emergency Service	collapse may result in loss of life of FROs and damage to fire tenders. Non availability of Fire Services.	construction of Fire Station
--	--	---------------------------------	---	------------------------------

Chapter – 11

First Responder's Response

This Airport Disaster plan specifies jobs of all the functionaries who have assigned roles during the emergencies. Actions should be balanced and commensurate with the level of severity and should not create unnecessary anxiety and panic among the people.

Broadly,

- First-aiders (Fire Fighting & Rescue Services) will perform the actions involving mobilizing and operating the incident command, overseeing victims triage area.
- ASG will cordon the site, managing and controlling the perimeter.
- ATC & Terminal Management will provide notification & activation of the special teams, provide traffic and access control.
- Terminal Management in co-ordination with Airlines will provide protection to at-risk and special population, providing resources support and requests for assistance, providing public information, and outreach and communication activities.
- AAI will hand over the scene to SDMA, West Bengal and other specialized agencies which will be sent by DDMO and on their arrival, AAI will continue to play the supporting role.

Response to Chemical Biological Radiological & Nuclear emergencies and Disasters (CBRN)

Whereas the airport emergency services are capable of providing greater response in case of Chemical disasters, in case of Biological, Nuclear & radiological emergencies, only the essential activities mentioned below are carried out in the proximity of the incident site prior to the arrival, or consultation with the qualified radiological health professionals:

1. Alert the staff, passengers and general public (if so required) by sounding the emergency siren and making an emergency announcement.
 2. **Inform the local police, City Fire Station, DDMA, NDRF and medical authorities as per the pre coordinated Airport DM Plan**
-

3. **Identify and isolate** the affected area. Seal off the inner zone of 400 m radius from the blast site as 'No Entry Area' except for emergency measures.
 4. **Cordoning:** For a suspected RDD incident, an initial inner-cordoned area (safety parameter) of 400 m is recommended. This will be extended based on actual radiological monitoring, beyond the initial area, to a place where the actual dose rate is 100 MicroAge/hr at 1 m from the ground. AAI's first responders which in all probability will reach at the site before other agencies like Police, NDRF etc. should have some simple portable monitoring instruments which will warn them as they approach the radiation source (say a blast of RDD).
 5. **First-aiders** will perform the actions involving mobilizing and operating the incident command, overseeing victims triage, cordoning the site, managing and controlling the perimeter, providing notification and activation of the special teams, providing traffic and access control, providing protection to at-risk and special population, providing resources support and requests for assistance, providing public information, outreach and communication activities. AAI first responders will hand over the scene to DDMA and other specialized agencies on their arrival and continue play the supporting role.
 6. **Restrict entry to the area of the incident.**
 - a) If contaminated is suspected, keep all the persons in a separate area until the radiological assessor arrives or, if possible, monitor them and decontaminate as necessary. Provide respiratory protection (if airborne contamination is suspected) and avoid inadvertent ingestion.
 - b) Establish and supervise an access and de-contamination point as near as possible to the safety perimeter (upwind, inside the safety perimeter) where the ambient dose rate is close to background Position in the upwind direction of the incident especially where fire is present.
 - c) The area downwind direction of the fire, especially if smoke and ash are involved, will be cleared of people, even if they are residents.
 - d) Perform life-saving rescue and emergency first aid for serious injured without waiting for radiation monitoring, even if radioactive contamination is suspected.
 - e) While responding to any fire, fire personnel will be cautioned that radioactive material may be present.
 - f) Keep to an absolute minimum, any contact with radioactive material and suspected contamination material. Clothing and tools used at the scene will be disposed off as radioactive material and do not attempt to move or clean up any material involved.
 - g) Identify assembly locations for persons trapped in radiological areas, airport personnel and casual public for their accounting activities include. Evacuate the persons to the predetermined areas. Detain all persons to:
 - h) People affected with acute haemopoietin, gastrointestinal, coetaneous and CNS syndrome which requires special care would be shifted to the nearest Radiation Injury Treatment Centre.
-

- i) Contaminated articles may have to be disposed following the guidelines of hospital waste management rules.
- j) Record names, addresses, destinations, and telephone numbers of those individuals who cannot be persuaded to stay at the incident scene.
- k) Prohibit eating, drinking and smoking in the incident area.
- l) The civic authorities will make arrangements for dead body identification and
- m) Management.

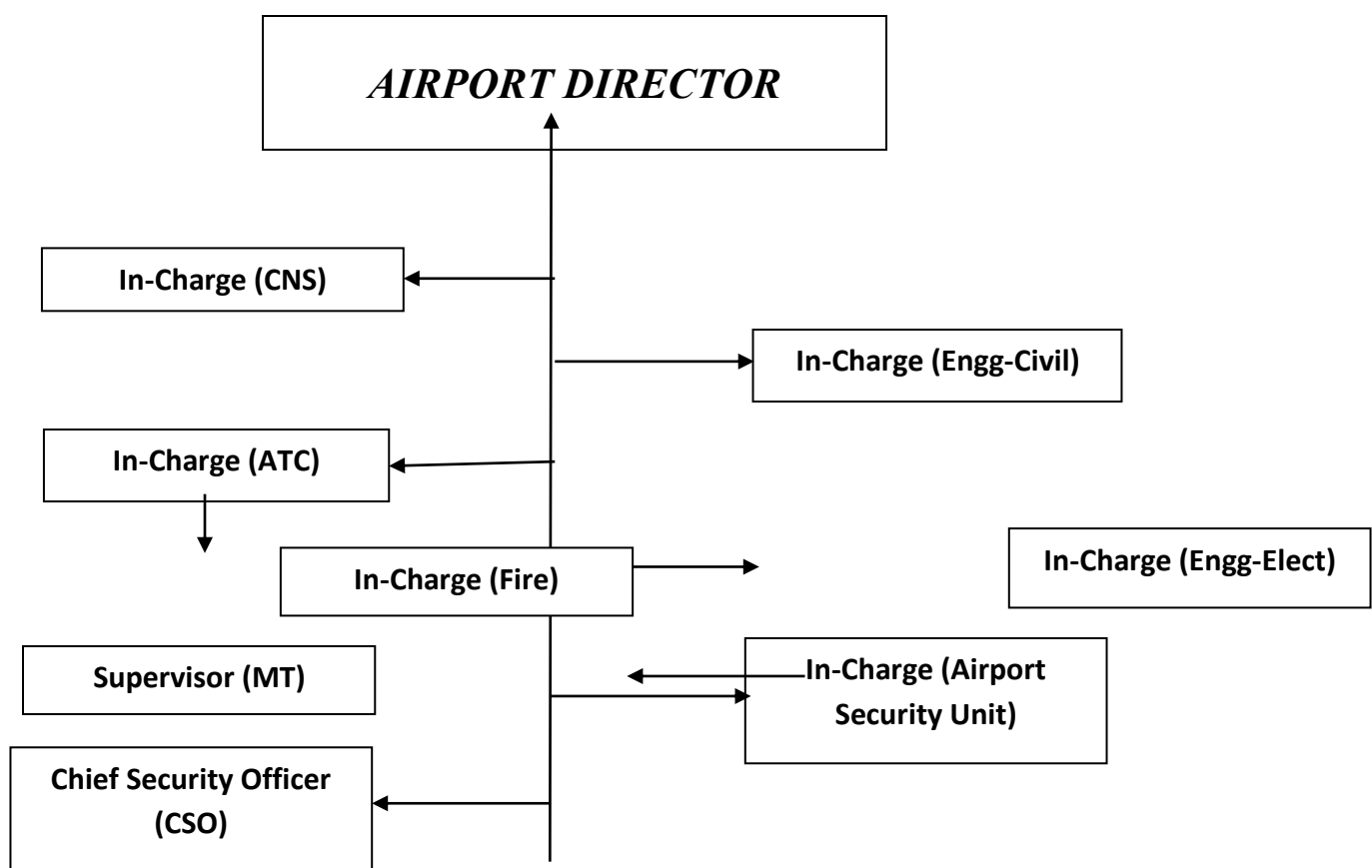
Chapter – 12

Incident Command System

These SOPs adopt the incident command system for a standardized on-site and off-site all hazard incident emergency response. This will enable to implement a flexible and scalable framework.

An incident is an occurrence, either caused by human natural phenomena. It requires actions to prevent or minimise loss of life or damage to property at the environment. It is a primary command and control system delineating job responsibility and organisational structure for the purpose of managing day to day operations for all types of emergency incidents

Organisational structure of Cooch Behar Airport



Staff	Office	Mobile	Residence
Airport Director	03582-222518	9674266987	-
In-charge (ATM)	03582-222366	8918295131	-
In-charge (CNS)	03582-224192	9874063877	-
DO (Control Tower)	03582-222366	8584944569	-
IN-CHARGE APSU	-	9434887679	-
IN-CHARGE CIVIL	-	7586096330	-
FIRE INCHARGE	-	8617474116	-
IN-CHARGE ELECTRICAL	03582-230441	7044226984	-

Chapter - 13

Logistic Supports and Exercises

Logistics management is the process of planning, preparing, implementing, and evaluating all logistics functions that support an operation or activity. Resources are described by kind and type. All local resources must be committed before assistance is requested from neighbouring jurisdictions, district, states or the central government.

A catastrophic event may severely hinder the ability of the local government to respond because many of the local government's staff members may also be adversely affected and its facilities may no longer be available; communications may be severely disrupted; the number of people needing assistance may be very large; debris, high water, blocked roads, etc. may impede movement; equipment loss and other factors may impair functional capabilities. However, the logistical support of resources is an extremely critical factor in the successful management of disaster response and recovery efforts.

Organization and Assignment of Responsibilities: The provision of effective logistics support can be very complex and especially challenging in a catastrophic event, so volunteer staffing should be identified, trained and exercised/employed in advance of a catastrophic disaster. At a minimum, the EOC Logistics Section staffing should include:

1. Logistics/Resource Management Section Chief - APD
2. Deputy Section Chief- as designated by APD
3. Services and support Branch Chief: All concerned section head

Chapter – 14

Evacuation Plan & Disaster Risk Reduction

Evacuation Plan

Prompt evacuation of casualties may be required to be carried out from the incident site, and of people living or working in the vicinity of the site who are likely to get exposed or come under severe threat of contamination, during a chemical attack. The evacuation plans will be prepared and categorized in two broad groups:

- I. Evacuation from the Incident site
- II. Evacuation of the Community under Possible Threat of a disaster

Some components of the civil aviation authorities need to be upgraded and equipped with modern facilities for the management of enhanced need of evacuating a large number of casualties.

The support zone, casualty collection centre and ambulance parking area will be provided with collective protection. Prompt removal of victims from the hot zone shall be ensured. Casualties from the hot zone of the incident site will be transported to the designated earmarked health care facility after providing BLS, necessary triage and decontamination procedures.

The evacuation planning will include information of the defined route, the availability of NBC filter-fitted ambulances (in case of CBRN Disasters) with specialized paramedical staff, and specialized facilities available with earmarked hospitals, keeping in view the prevalent and forecasted meteorological conditions and level of contamination.

Disaster Risk Reduction

Number of explanation have been given in reference to the term disaster however, in simple terminology the disaster would imply, then occurrence arising with little or no warning which causes or threatens serious disruption of life and perhaps causes death or injury large number of the people and require therefore a mobilization of effort in excess of that normally provided by the statutory emergency service. This means that additional efforts would be needed to meet disasters which may directly or indirectly affect the aircraft operation. The disasters are broadly categorized under three heading i.e., natural, manmade and hybrid.

The Platform shall be the co-ordination mechanism for mainstreaming DRR into development policies, planning and programmes in line with the implementation of the Framework for Action. The Platform shall aim to contribute to the establishment and the development of a comprehensive national DRR system as appropriate in India. The National Platform shall:

- a. Work to establish baseline information for DRR, including disaster and risk profiles, national policies, strategies, capacities, resources and programmes;
 - b. Identify trends, gaps, concerns and challenges and setting forth accepted priority areas in DRR;
-

- c. Advocate for the urgent need for developing or adopting policies and legislations for DRR;
- d. Benchmark progress made in promoting DRR and it's mainstreaming into development policies, planning and programmes;
- e. Develop result-oriented work plans of National Platforms for DRR to coordinate the DRR activities.
- f. Coordinate joint efforts among members of National Platforms for DRR to reduce the vulnerability of people at relatively high risk;
- g. Monitor, record and report of disaster risk reduction actions at national and community levels.
- h. Document lessons learned and good practices, and share the findings (including promoting twinning of National Platforms for DRR) at national, regional and international levels; and
- i. Work towards better integration of DRR into national planning, policies and programmes in development and humanitarian assistance.

Chapter – 15

Media Management

Airport Director / Corporate Communication team has to take the lead to handle all press matter. They are the single point media interaction. They will be responsible for developing the overall information management plan, with emphasis on strategies to manage the information flow.

Chapter – 16

Term Planning

All identified activities under the action plan for disaster management are implemented under the following three types of Term Planning as listed below:

- I. Short-Term Plan (0-3 Years)
- II. Medium-Term Plan (0-5 Years)
- III. Long-Term Plan (0-8 Years)

I. Short-Term Plan (0-3 Years)

- MoU between Cooch Behar Airport and the City Fire brigade
 - Monitoring of all disaster alert warnings issued by the IMD
 - Aerodrome surface markings/lightings as per standards
 - Storage and Handling according to the prescribed national rules, guidelines the DGCA regulation, ICAO Annex 18 and doc 9284
 - Protection of environment and property
 - Prevention of deterministic health effects in individual
 - Developing policies and practices to handle similar situations in future
 - Implementation of financial strategy for allocation of funds for various projects
 - Provision for temporary decontamination facilities and sensitization programmes for the airport community about self-decontamination procedures
 - Testing various elements of the emergency plan through table-top exercises and mock-drills
 - Overall capacity development including human and resource development, training, education and knowledge management. Special training to be conducted at training centre
-

II. Medium-Term Plan (0-5 Years)

- Equipping first responders with all material logistics and backup support
- Identifying infrastructure needs for formulating mitigation plans
- Establishment of physical and collective protection, detection technologies, decontamination agents and associated manpower
- Imparting adequate knowledge on various types of disasters, their properties, possible modes of dispersal, use of PPE etc. Special training should be conducted at training centre
- Knowledge on various types of CBRN agents etc., different modalities and methods of decontamination and sources of their availability and principles of triage for CBRN casualties. Special training should be conducted at training centre.
- Imparting adequate knowledge on Chemical agents and their properties, possible modes of dispersal, use of PPE, different modalities and methods of decontamination and sources of their availability, principles of triage for chemical casualties
- Awareness programmes for first aid and self-decontamination procedures
- Continuation and upgrading of HRD activities
- Frangible structures in operational area
- Testing of DM plan in Mock exercise

III. Long-term Plan (0-8 Years)

- Disaster resister design and construction of public utility structure
- Identification and removal of unsafe buildings /structure. Re - constructed , if needed
- Secure communication network for first responders; build redundancy in communication networks by in-built repeaters optimally positioned for incident communication, and a self-healing grid for telecommunication and other utility networks
- Development of simulation models for testing the efficacy of plans for continuous improvement at training centre

Chapter – 17**Preparedness Level****Training / Drills / Exercises & Documentation:****Training:**

Regular training would be provided to all personnel who have a role in planning and operational response to an emergency.

The training objectives are:

- To familiarize personnel with the contents and manner of implementation of the plan and its procedures
 - To train personnel in the performance of the specific duties assigned to them in the plan and in the applicable implementation procedures
 - To keep personnel informed of any changes in the plan and the Implementing procedures
 - To maintain a high degree of preparedness at all levels of the Emergency Response Organization
 - Train new personnel who may have moved within the facility Organization
-

- *Test the validity, effectiveness, timing and content of the plan; and
- Update and modify the plan on the basis of experience acquired through Exercises and drills.

Mock Drills and Exercises:

Mock drills constitute another important component of emergency preparedness and refer to the re-enactment, under the assumption of a Mock scenario of the implementation of response actions to be taken during an emergency. Mock drills and integrated exercises have the following objectives.

- To test, efficacy, timing, and content of the plan and implementing Procedures
- To ensure, that the emergency organization personnel are familiar with their duties and responsibilities by demonstration
- Provide hands-on experience with the procedures to be implemented during emergency; and
- Maintain emergency preparedness

The frequency of the drills would vary depending on the severity of the hazard. However, drills would be conducted **once in a two year**. Scenarios may be developed in such a manner as to accomplish more than one event objective. Drills and exercises will be conducted as realistically as is reasonably practicable. Planning for drills and exercises would include:

- Basic objectives
- Dates, times and places; Participating organizations
- Events to be simulated
- Approximate schedule of events
- Arrangements for qualified observers; and
- An appropriate critique of drills/exercises with participants

Evaluation of drills and exercises would be carried out which include comments from the participants and observers. Discrepancies noted by the drill observers during the drill shall be pointed out.

The individual responsible for conducting the drill or exercise would prepare a written evaluation of the drill or exercise. The evaluation would include assessments and recommendations on:

- Areas that require immediate correction;
- Areas where additional training is needed;
- Suggested modifications to the plan or procedures; and
- Deficiencies in equipment, training, and facilities.
- Records of drills, exercises, evaluations, and corrective actions would be duly maintained

Documentation

- The serviceability status of safety vehicles, tools & equipments , communicational facilities, air traffic related facilities etc are to be checked and documented and forwarded to RHQ and CHQ. Also the proficiency reports of all the sections are to be documented and sent to RHQ & CHQ
 - Records of drills, exercises, evaluations and corrective actions would be duly maintained by all concerned sections
 - Incident, Accident returns shall be documented and sent to RHQ and CHQ
 - Training, meeting with other responding agencies to be documented
 - Airport familiarization of outside rescue team to be carried out and documented
 - Participation of outside responding agencies in full scale mock up exercise and to be documented
 - MoU between Cooch Behar Airport and Cooch Behar City Fire Brigade to be documented and updated as and when required
 - Directions from Ministry of Home Affairs, National Disaster Management Authority, Government of India, etc. can be implemented by documentation
 - Lessons learnt from any disaster event in other states and countries
 - Recommendations from all departments in their Annual DM Report also are considered on review
-

- Upgrading of DM plan periodically or as when required

Chapter - 18

Alert System and Reporting

The Emergency Response Plan (ERP) will have an adequate mechanism for proper planning and coordination with different responders, emergency functionaries and logisticians. It is important to have an inbuilt alert system that will activate the definitive specialized response. For this purpose, a well-rehearsed and standardized alert system will be evolved. Communication and Networking act as a key for an effective response to any disaster.

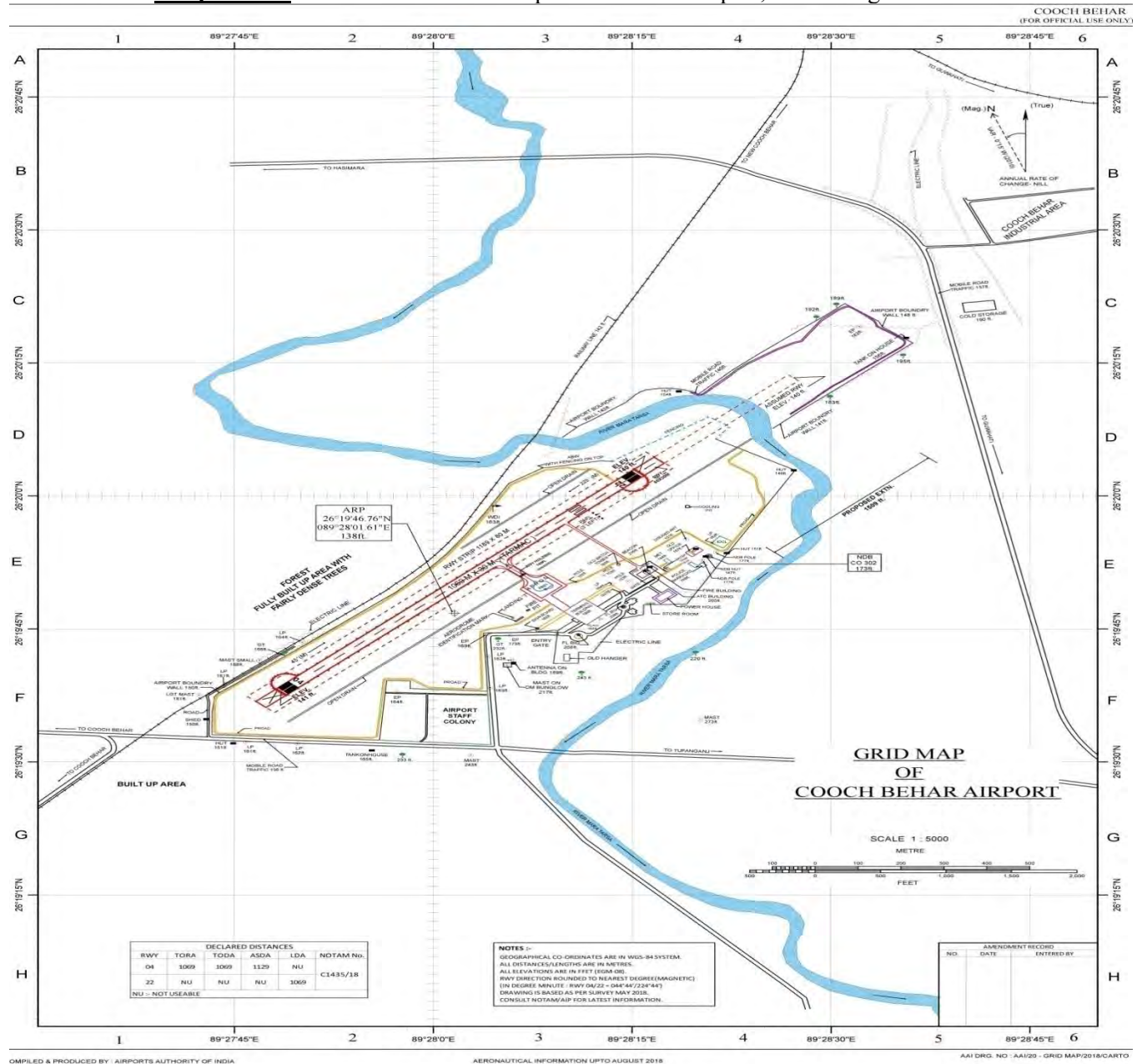
The information network will also include effective communication network to quickly analyze and identify contaminants at the incident site.

Alert Mechanism-Early warning and Reporting

<u>Disaster</u>	<u>Agencies</u>
Earthquakes	IMD,ISR
Cyclones	IMD
Drought	Agriculture Department
Epidemics	Health & Family Welfare Department
Industrial & Chemical Accidents	Industry, Labour & Employment Department, DISH
Radiological/ Nuclear	Specialized CBRN team (in NDRF)
Aircraft crash / Airport Fire	ATC, Fire & Emergency Services, other agency

Early Warning, Detection & Monitoring:

Detection and monitoring is the responsibility of SDMA, West Bengal. Mechanism for detection and monitoring may be deployed for specific hazards at the airport.

Chapter – 19 Search & Rescue Grid Map Cooch Behar Airport, West Bengal**Chapter – 20****TELEPHONE DIRECTORY****NATIONAL DISASTER MANAGEMENT AUTHORITY (NDMA)**

S.NO.	NAME & DESIGNATION	TELEPHONE NO.
1.	Sh. M. Shashidhar Reddy, Vice Chairman, NDMA	011-26701701(O),9818533499 (M)
2.	Sh. B. Bhattacharjee Member, NDMA	26701780 (O),9717188787 (M)

3.	Sh. J.K. Sinha, Member	26701740 (O),9818384040 (M)
4.	Sh. K.M. Singh, Member	26401735 (O),9810203406 (M)
5.	Dr. Muzaffer Ahmad, Member	26701736(O),9873712355 (M)
6.	Prof. Harsh K. Gupta, Member	26701775 (O) 9871695566 (M) 9999868111 (M)
7.	Maj. Gen. (Retd.) J.K. Bansal Member	26701778(O),9910062437(M)
8.	Sh. V.K. Duggal, Member	26701777 (O),9818503768(M)

NATIONAL DISASTER RESPONSE FORCE (NDRF)

S.NO.	NAME & DESIGNATION	TELEPHONE NO.
1.	Sh. Krishna Chaudhary, IPS, DG NDRF & CD	011-26712851 (O) / 8750555500 (M)
2.	Sh. Sandeep Rai Rathore, IPS, IG NDRF & CD	011-26160252 (O)/9540610101 (M)
3.	Sh. I.K.S. Rawat, DIG, NDRF	011-26105910 (O)/9968262466(M)
4.	Sh. Randeep Kumar Rana DIG (N & W Zone)	011-26166559 (O)/9999513134 (M)
5.	Sh. S.S. Guleria, DIG (E & NE Zone)	033-45793981(O)/9013429674(M)
6.	Sh. S.P. Selvan, DIG (South Zone)	09444192963(M)
7.	Control Room	011-26107953 (O)/011-26105912 (Fax)

NATIONAL DISASTER RESPONSE FORCE BATTALIAN

	BATTALIAN	COMMANDANT	TELEPHONE No./ EXCHANGE / CONTROL ROOM
	01 Bn NDRF Guwahati, Assam	Sh. A.K. Singh Control Room	09435545951 (M) 0361-2841464 (O) 0361-2840284, 2849080(Fax)
	02 Bn NDRF Kolkata, WB	Sh. Sukhdev Raj Control Room	09434742836 (M) 033-25264302 (O) 033-25264394, 25263077
	03 Bn NDRF Mundali, Orissa	Sh. M.K. Yadav Control Room	09437964571(M) 0671-2879711 (O) 0671-2879710 (Fax)
	04 Bn NDRF Arakkonam, Orissa	Sh. M.K. Yadav Control Room	09437964571(M) 0671-2879711 (O) 0671-2879710 (Fax)
	05 Bn NDRF Pune, Maharashtra	Sh. Alok Avasthy Control Room	09423506765 (M) 02114-231245(O) 02114-231509 (Fax)
	06 Bn NDRF Gandhinagar, Gujarat	Sh. R.S. Joon Control Room	09428826445(M) 079-23202539 (O) 079-23202540 (Fax)
	07 Bn NDRF Bhatinda, Punjab	Sh. Jaideep Singh Control Room	09417802032(M) 01642246030 (O) 0164-2246570 (Fax)
	08 Bn NDRF Ghaziabad, UP	Sh. P.K. Srivastav Control Room	09968610014(M) 0120-2766013 (O) 0120-2766618 (Telefax)
	09 Bn NDRF Bihta, Bihar	Sh. Vijay Sinha Control Room	09431363042 (M) 06115-253942 (O) 06115-253939 (Fax)
	10 Bn NDRF Guntur, AP	Sh. Prashant Dhar Control Room	07382299621 (M) 08632293178 (O) 08632293050 (TeleFax)

CORPORATE HEAD QUARTER(CHQ)

NAME/DISIGNATION	OFFICE	FAX	MOBILE	Email
CHAIRMAN,AAI	011-24632930/24651047/ 24622796 011-32611378(R)	011-24641088	-	chairman@aai.aero
MEMBER,ANS	011-24631969	011-24629567	-	memberans@aai.aero
MEMBER(Ops)	011-24651400	011-24610233	-	memberops@aai.aero
ED(ATM)	011-24631684	011-24611078	-	edatm@aai.aero
ED(Ops)	011-2421628	011-24621623	-	edopsaai@aai.aero
OPS Ctrl Room, New Delhi	011-24610843	-	9650391859	opsctrl@aai.aero
GM(OPS)	011-24652648	011-25653834		gmops@aai.aero
REGIONAL HEAD QUARTER,EASTERN REGION				
RED,ER	033-25119944	033-25118873	09830955525	reder@aai.aero
GM(Aero), ER	033-25119223(O) 033-25119666(R)	033-25119223	9432282300	gmatmer@aai.aero
GM(Aero), Kolkata	033-25119966	033-25119966	09432282300	gmatmkol@aai.aero

WSO & ARO				
	NAME/DISIGNATION	OFFICE	FAX	MOBILE
	WSO-VIDP	011-25653283 011-25653490	011-25653284	09873233050
	ARO-VIDP	011-25653453	----	----
	WSO-VECC	033-25119520	033-25130134	09830028827
	ARO-VECC	033-25119429	033-25116746	-----
	WSO-VABB	022-26819332	022-26828066	9821442603
	ARO-VABB	022-26819307	---	----
	WSO-VOMM	044-22560894	044-22561365	9840987941
	ARO-VOMM	044-22560893	044-22561659	

HEAD OF THE DEPARTMENTS (COOCH BEHAR AIRPORT, WEST BENGAL)

Staff	Office	Mobile	Residence
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Airport Director	03582-222518	9435732320	-
In-charge (ATS)	03582-222366	9674556153	-
In-charge (CNS)	03582-224192	9874063877	-
DO(Control Tower)	03582-222366	8584944569	-
IN-CHARGE APSU	-	9434887679	-
IN-CHARGE CIVIL	-	7586096330	-
FIRE INCHARGE	-	8617474116	-
IN-CHARGE FINANCE	-	9564503133	-
IN-CHARGE ELECTRICAL	03582-230441	7044226984	-

Annexure-1

DISTRIBUTION LIST:

Master Copy	Airport Director, Cooch Behar Airport
Copy No. 1	In Charge, ATM.
Copy No. 2	Duty Officer (Air Traffic Control Tower).
Copy No. 3	In-Charge (FS).
Copy No. 4	In Charge, CNS.
Copy No. 5	In-Charge (E-E).
Copy No. 6	Station Manager, Air Deccan
Copy No. 7	Officer- in- charge, IMD, Cooch Behar
Copy No. 8	In-Charge, District Disaster Management Authority
Copy No. 9	DGCA
COPY No.10	SDMA, West Bengal

15.1:- THE PLAN FOR PROCUREMENT OF MACHINERY

Sl	Name of equipmwnt	Quantity
1	Fiber Stretcher	10 Pcs.
2	Bullet Chainsaw	14 Pcs.
3	Life Jacket	50 Pcs.
4	Scuba Set	4 set
4	Air Compressor	2 set
5.	Search Light	40 Pcs

15.2: THE PLAN FOR MOCK DRILL

Sl. No	Name of the Block	Month of the Mock Drill	Financial Estimation
1	Cooch Behar – I Dev. Block	April,2020 & October,2020	Rs. 1,00,000=00
2	Cooch Behar-II Dev. Block	July,2020 & January,2021	Rs. 1,00,000=00
3	Tufanganj-I Dev. Block	June,2020 & December,2020	Rs. 1,00,000=00
4	Tufanganj-II Dev. Block	August,2020 & February,2021	Rs. 1,00,000=00
5	Dinhata-I Dev. Block	May,2020 & November,2020	Rs. 1,00,000=00
6	Dinhata-II Dev. Block	September,2020 & March,2021	Rs. 1,00,000=00
7	Sitai Dev. Block	June,2020 & December,2020	Rs. 1,00,000=00
8	Mathabhanga-I Dev. Blovk	April,2020 & October,2020	Rs. 1,00,000=00
9	Mathabhanga-II Dev. Blovk	July,2020 & January,2021	Rs. 1,00,000=00
10	Sitalkuchi Dev. Block	September,2020 & March,2021	Rs. 1,00,000=00
11	Mekhliganj Dev. Block	August,2020 & February,2021	Rs. 1,00,000=00
12	Haldibari Dev. Block	May,2020 & November,2020	Rs. 1,00,000=00
			Rs.12,00,000=00

15.3:- THE DETAIL OF MAJOR DISASTERS FACED BY THE DISTRICT AND ITS FINANCIAL LOSS

Name of the Calamity	Storm, Thunderstorm & Rainfall Drowning, water logging, River erosion. cyclonic storm, lightening		
No. & name of blocks affected	12 : Cooch Behar-I&II , Sitai, Tufanganj-I&II, Dinhata-I & II, Mathabhanga-I & II, Sitalkuchi, Mekhliganj , Haldibari Dev. Block.		
No. & name of Municipalities affected	Mathabhanga, Haldibari , Mekhliganj , Tufanganj, Cooch Behar Municipality		
No. of villages / wards affected/GP affected	GP : 128 nos. Village/ ward : 1222 nos.		
No. of people affected	201356 no.		
No. of Houses damaged / destroyed	2222 nos.	Rs. 391.072 lakh	Rs.664.519 lakh
	11889 nos.	Rs. 273.447 lakh	
Damage to properties other than crops & houses Name of properties : School buildings, shops, trees etc	Roofs of 5 no School building, 5 nos. Toilet damaged, 8 nos. tree uprooted.		
Total loss	Rs. 665.936 lakh.		