

Sundargarh District Disaster Management Plan 2016

Prepared By:
District Administration , Sundargarh



1.1 WHY IS IT:

Multi-hazard disaster management plan is to help the district administration in effectively managing any disaster that is likely to be faced by the district of Sundargarh.

Precise actions, procedures and responsibilities have to be laid down well in advance in order to ensure timely response in case of any disaster. Therefore a mechanism that takes into account multiple hazards and basic preparedness has to be articulated in the form of Quick Response Teams, Quick Assessment Teams, Reporting Procedures, Checklist and Handbooks. The mechanism also lays down crucial parameters requirements and organizational composition of Emergency operations centres and incident command systems.

1.2 OBJECTIVE:

To reduce sustainably the disaster risk of this multi disaster prone district of Sundargarh to minimize the loss of life, property and livelihood during and after any disaster with proper plan to identify all common elements of response. This acts as a base plan or a generic / modular plan for all response activities. It provides a frame work around which other agencies and departments can outline their own activities for disaster response.

The District Disaster Management Plan (DDMP) has been envisaged as a preparedness plan whereby the receipts of a signal of an impending disaster would simultaneously energize and activate the mechanism for response and mitigation without loss of crucial time. This would be entailing all the participating managers to know in advance the task assigned to them and the manner of response. Identification of available resources including man power, materials, equipments and adequate delegation of financial and administrative powers are prerequisites for successful operation of the DDMP.

The DDMP is in essence, the Standard Operating Procedure (SOP) in which the implementation of efforts on ground is well laid down. Importance has been given to activities such as evacuation, search and rescue, temporary shelter, food, drinking water, clothing, health and sanitation. Communications accessibility and public information, that are important components of disaster management, would follow on the activation of the

DDMP. These activities are common to all types of disasters and require supervision and preparation of action/sub action plans by each specified authorities. Each group/sub group have been requested to work out the DDMP mechanism to their relevant.

The DDMP requires the disaster managers to:

- ❑ Evolve an effective signal/warning mechanism
- ❑ Identify activities/sub activities under each activity/level of activity
- ❑ Specify authorities for each level of activity / sub activity
- ❑ Determine the response time for each activity
- ❑ Workout individual plans of each specified authority to achieve activation as per the response time.
- ❑ Have quick response terms for each specified authority
- ❑ Have alternative plans and contingency measures
- ❑ Provide appropriate administrative and financial delegation to make the response mechanism functional & viable
- ❑ Undergo preparedness mock drills.

1.3 DISASTERS:

Types of Disasters:

Common Natural Disasters	Manmade Disasters
Flood	Chemical Hazards
Cyclone	Fire- Hazards
Drought	Communal riots
Heat-Wave(Sunstroke)	Road/Railway accidents
Earthquake	Strike/Rasta Roko
Lightning	Forest-fire
Hail storm/Whirl wind	
Pest attack	
Cloudburst	
Tsunami	
Avalanche	

1.4 ***WHO FORMULATES AND CARRIES OUT THE PLAN:***

The Disaster Management Plan is formulated starting from the village level up to the district level. The plan clearly indicates the role and responsibility of each player of the team. The Collector in the district level, Sub-Collector in the Sub divisional level and BDO in the Block level are the heads the team. The Executive Officer/Sarpanch is the key player at the Gram Panchayat level.

1.5 DISTRICT DISASTER MANAGEMENT AUTHORITY

SI.No	Designation	Tel. Numbers		
		STD-06622(Sundargarh)		
			Office	Residence
1	Collector	Chairman	272265	27225
2	President, Zilla Parishad	Co-Chairman		273874
3	Supdt. of Police, Sundargarh	Member	273324	273538
4	Supdt. of Police, Rourkela	Member	2500020	2641008
5	C.D.M.O., Sundargarh	Member	272201	272244
6	E.E, Irrigation, Sundargarh	Member	272332	272333
7	ADM, Sundargarh	Chief Executive Officer	273889	273257
8	ADM, Rourkela	Member	2500239	2500182
9	PD,DRDA, Sundargarh	Member	273873	273872
10	E.E., R.D., Sundargarh	Member	272280	272480
11	E.E., R.&B, Sundargarh	Member	272230	273801
12	E.E., R.&B, Rourkela	Member	2500627	2512965
13	Dy. Director, Agriculture, Sundargarh	Member	273861	273017

1.6 OVERVIEW OF THE DISTRICT:

Location:

Sundargarh District created on 1st January 1948 with a geographical area of 9,712 sq km is situated between 21°35' and 22° 32' AND 85 22' East longitude. The District is boarded on north by Ranchi District of Jharkhand and on west and North-West by Raigarh District of Chhattisgarh. On the south and south-east Sambalpur, Deogarh and Angul District of Odisha are located. The eastern side is bounded by the Keonjhar District of Odisha and Singhbhum District of Jharkhand.

The topology of the District is undulating broken by rugged hill ranges and torrential hill streams and rivers. The district is consisting of widely dissimilar tracts of expansive and fairly open country dotted with tree clad isolated peaks, vast inaccessible forest, extensive river valley and mountain terrain. River IB and Brahmani controls the slop of the district, which is generally in form of north to south.

Administrative Setup

Geographical Details	Area (sq km)	9712 sq km	
Administrative Units	Parliamentary Constituency	1	02-Sundargarh (ST)
	Assembly Constituency	7	08-Talsara(ST)/ 09-Sundargarh(ST)/ 10-Biramitrapur(ST)/ 11-Raghunathpali(SC)/ 12-Rourkela 13-Rajgangpur(ST)/ 14-Bonai(ST)
	Sub Division	3	1. Sundargarh 2.Panposh 3.Bonai
	Tehasil	18	1.Sundargarh 2. Hemgir 3. Lephripara 4. Tangerpali 5. Balisankra 6. Subdega 7. Bargaon 8. Kutra 9. Rajgangpur 10. Kuanrmunda 11. Biramitrapur 12. Rourkela 13. Bisra 14. Lathikata 15. Lahunipara 16. Bonai 17. Gurundua 18. Koira
	No. Of R.I. circle	112 no.	

C.D. Block	17	1.Sundargarh 2. Hemgir 3. Lephripa 4. Tangarpali 5. Balisankra 6. Subdega 7. Bargaon 8. Kutra 9. Rajgangpur 10. Kuanmunda 11. Nuagaon 12. Bisra 13. Lathikata 14. Lahunipara 15. Bonai 16. Gurundua 17. Koira	
ICDS project	21	Balisankara / Baragaon / Bisra / Bonai/ Gurundia /Hemgir / Kuarmunda /Kutra/Lahunipara/ Lathikata Lephripa /Nuagaon / Rargangpur/ Subdega/ Sundargarh / Tangarpali / Koira/ Biramitrapur(U)/ Rourkela Civil(U) / Rourkela Industrial(U) / Rourkela City(U)	
Municipalities	4	1.Sundargarh 2. Rajgangpur 3. Biramitrapur 4. Rourkela Municipal Corporation	
NAC	0		
Gram Panchayat	262		
Police Station	36	Sundargarh Police district	Town/Sadar/Rajgangpur/Talsara/ Hemgir/Bhasma/ Bargaon/ Kutra/ Lephripa/Dharuadihi/Kinjirkela/ Biramitrapur/Hatibari/ Raiboga
		Rourkela Police district	Mahila S P/ Tangarpali/ Sector-15/ Sector-3/Sector-7/Sector19/ Chhend/ Jhirpani/ Lathikata/ Plantside/ Uditnagar/ Raghunathpal/ Bandomunda/ Bisra/ Brahmanitarang Mahulpada/Bonai/Lahunipara/ K-Bolang/Gurundia/Tikayatpali/Koira
Fire Station	13	A.F.O Rourkela - 05 A.F.O Sundargarh - 08	
No. Of Villages	1792		
No. of house hold	476142		

SUNDARGARH DISTRICT AT A GLANCE:

1.	Geographical area	9712
2.	Population (2011 census)	20,93,437
	Male	1061147
	Female	1032290
	Rural	1355340
	Urban	738097
	S.C.	191660
	S.T.	1062349
	Others	839428
	Density	216 person per sq km

2. LITERACY PERCENTAGE

Male	750147
Female	592175
TOTAL	1342322

3. EDUCATIONAL INSTITUTION

(a) No. of Primary School	: 802
(b) No. of M.E. School	: 790
(c) No. of U.P. School	: 955
(d) No. of High School	: 467
(e) No. of Govt. Aided Colleges	: 32

4. Area and Administrative Division:

Road Network

National Highway:	105 km
State Highway:	218,610 km
Major District roads:	295,804km
Other District roads:	527,783 km

Railway:

Name of the Railway Stations in the District:

Rourkela	Rajgangpur	Bisra
Bondomunda	Hemgir	Kansbahal
Panposh	Jamga	Bhalulata

Chandiposh	Kalunga	Kuarmunda
Tangarmunda	Bimlagarh	Sonakhan
Biramitrapur	Daghora	Lathikata

1.7 Demographic Details:

Sundargarh district has a total population of 20,93,437 consisting of 10,61,147 males, 10,32,290 females as recorded by 2011 census. The population density stands at 216 per sq. km.

Rural Population:

The total rural population of the district is 14,68,162 out of which 1,25,411 belong to SC 9,55,344- belongs to ST and 3,87,407 belongs to others .

SL, NO	Name of block	Total population	SC	ST	Others
1	Hemgir	84559	12258	38312	33989
2	Lephripara	78808	10342	46418	22048
3	Tangarpali	64374	9701	34369	20304
4	Balisankara	85690	7536	57427	20727
5	Subdega	64254	5322	45332	13600
6	Sundargarh	70911	10198	37392	23321
7	Bargaon	71242	5879	46292	19071
8	Kutra	80470	5731	62040	12699
9	Kuarmunda	106913	6257	82264	18392
10	Nuagaon	106156	7821	70233	28102
11	Bisra	90185	5075	45846	39264
12	Lathikata	146312	9013	85181	52118
13	Rajgangpur	105065	5939	85116	14010
14	Gurundia	66988	3698	53195	10095
15	Bonai	69891	8740	37448	23703
16	Lahunipara	99526	6426	67541	25559
17	koida	86818	5475	60938	20405
18	Total	14,68,162	1,25,411	9,55,344	3,87,407

Urban Population:

The total urban population lives in five urban areas namely Sundargarh (M), Rajgangpur (M), Biramitrapur(M) and Rourkela corporation . Total population is 612878 out of which 69211 belong to SC and 124096 belong to ST category and 419544 are others.

SL. NO	Name of ULB	Total population	SC	ST	Others
1	Sundargarh (M)	45036	4274	9947	30788
2	Rajgangpur (M)	51362	4278	12344	34740
3	Biramitrapur	33442	5599	12382	15461
4	Rourkela	483878	55060	89423	338555
	Total	612878	69211	124096	419544

B. Topographical Details:

2.1 Climate and Rainfall:

SI.No	Month	Normal Rainfall (in mm)	Actual Rainfall (in mm) 2013	Actual Rainfall (in mm) 2014	Actual Rainfall (in mm) 2015
1	January	15.1	13.29	6.18	13.39
2	February	24.9	2.16	34.05	0.00
3	March	16.0	2.54	29.94	7.18
4	April	16.0	50.02	1.18	31.99
5	May	40.0	15.85	61.36	30.24
6	June	237.0	177.87	111.38	167.37
7	July	386.4	417.85	442.92	475.95
8	August	393.9	363.59	416.60	369.76
9	September	211.5	195.85	200.65	146.50
10	October	67.7	211.51	27.91	12.49
11	November	8.7	0.00	0.00	0.00
12	December	4.2	0.00	0.00	12.45
	Total	1422.4	1450.52	1332.17	1267.58

2.2 Rain Recording Stations:

Total No. of Rain Recording stations in the District: 18

Sl. No	Location of the Rain Recording Stations	Tel. No of Rain Recording Stations
1	Circuit house	06622-272233
2	Hemgir	06621-287123
3	Lephripara	06621-284523
4	Tangarpali	06622-282336
5	Sundargarh	06622-272340
6	Subdega	06622-280036
7	Balisankara	06622-236524
8	Bargaon	06624-246124
9	Kutra	06624-245022
10	Rajgangpur	06624-220312
11	Kuarmunda	0661-2618366
12	Nuagaon	0661-2614262
13	Bisra	0661-2612133
14	Lathikata	0661-2616505
15	Gurundia	06626-242011
16	Bonaigarh	06626-244430
17	Lahunipara	06625-232231
18	koira	06625-235026

2.3 Month wise Highest and Lowest Temperature recorded in Last year in the

District: -

Sl. No	Month	2015	
		Max (C ^o)	Min (C ^o)
1	March	41	30
2	April	42	31
3	May	45	31
4	June	44	28

2.4 Geographical Area (in Hect.):

Sl.No	Name of the Block	Agricultural Land (ha)			Total area	No. of Farmers Family
		High	Medium	Low		
1	Hemgiri	10887	5604	2833	19324	8283
2	Lephipada	8908	4263	3003	16174	8351
3	Tangarpali	8800	6027	2424	17251	8064
4	Sundargarh	8529	7906	2741	19176	8172
5	Subdega	6810	4526	5271	16607	7096
6	Balishankara	8548	4074	5796	18418	10963
7	Bargaon	7750	5234	3330	16314	7731
8	Kutra	10367	6281	2785	19433	8636
9	Rajgangpur	12342	3583	2940	18865	8976
10	Lathikata	11025	10690	2980	24695	9260
11	Kuarmunda	11966	6755	3798	22519	12689
12	Nuagaon	20176	3856	3448	27480	12055
13	Bisra	6526	1057	1781	9364	5211
14	Bonai	7476	6621	2991	17088	4001
15	Lahunipada	9970	6520	2754	19244	10434
16	Koida	6665	4594	3010	14269	6853
17	Gurundia	6255	7409	3115	16779	21332
	Total	163000	95000	55000	313000	145739

2.5 Drinking Water Sources:

2.5 (i) BLOCK WISE EXISTING OF PWS SCHEMES UNDER RWS&S OF SUNDARGARH DISTRICT

Name of the Block	Total nos of Tube well existing	Tube well	
		Functional	Defunct
Balisankara	1464	1449	15
Bargain	1507	1507	0
Hemgir	1276	1223	53
Kutra	1515	1511	4
Lephripara	1305	1301	4
Rajgangpur	1260	1242	18
Subdega	1163	1163	0
Sundargarh	1360	1360	0
Tangarpali	1139	1124	15
Bisra	1214	1191	23
Bonai	1209	1183	26
Gurundia	1416	1394	22
koida	1040	1009	31
kuarmunda	1806	1777	29
lahunipara	1486	1459	27
lathikata	1826	1803	23
Nuagaon	1166	1135	31
Total	23152	22831	321

2.5 (ii) BLOCK WISE EXISTING OF PWS SCHEMES UNDER RWS&S OF SUNDARGARH DISTRICT

Name of the Block	Total nos of PWS Installed	Fully function	Partly function
Balisankara	25	22	3
Bargaon	28	26	2
Hemgir	36	26	10
Kutra	27	21	6
Lephripara	27	19	8
Rajgangpur	17	11	6
Subdega	19	16	3
Sundargarh	43	37	6
Tangarpali	40	29	11
Bisra	46	46	0
Bonai	25	25	0
Gurundia	15	15	0
Koida	13	13	0
Kuarmunda	23	23	0
Lahunipara	23	23	0
Lathikata	33	33	0
Nuagaon	13	13	0
Total	453	398	55

2.6 IRRIGATION

Sl. No.	Irrigations	No. of Projects
1	Major	NIL
2.	Medium	04
3.	Minor	101
4	Total	105

Major Crops: - Paddy, Mung, Black gram, Arhar, Mustard, Groundnut and Til

2.6(I) Minor Irrigation Projects:

Sl. No	Name of the Block	No. of MIP	Certified ayacut Area in Ha.	
			Kharif	Rabi
1	Sundargarh	14	1242.20	12.7
2	Subdega	6	386.70	-
3	Balisankara	5	2450.00	-
4	Hemgir	8	673.33	36.7
5	Lephipara	10	1353.43	53.53
6	Tangarpali	7	1758.43	13.94
7	Bargaon	12	1097.30	68.61
8	Kutra	5	300.28	15.30
9	Rajgangpur	3	139.09	-
10	Kuanmunda	2	456.47	23.08
11	Bisra	2	627.60	8.29
12	Lathikata	3	93.53	-
13	Gurundia	2	60.71	-
14	Bonai	12	1008.43	40.39
15	Koida	1	582.00	300.00
16	Lahunipara	9	4018.94	119.81
Total		101	16248.44	692.35

2.6 (II) Medium Irrigation Project

Sl. No.	Name of the Irrigation project	Covered ayacut area
1	Sarphgarh	2747
2	Talsara	3580
3	Pitamahal	2654
4	Kansbahal	4218

Chapter II

Resource Inventory/Capacity Analysis

3.1 Resource Inventory/ Capacity Analysis:

3.1,1,Transportation and Communication;-

Different types of vehicles i.e tractor, tanker, Truck, JCB machine etc are to be required during the period of natural disaster, which will be provided by the Transport Department as and where require.

3.1(2) DETAILS OFFIRE SERVICES WITH LIFE SAVING AND CLEANING & CUTING

EQUIPMENTS

Sl. no.	Name of the fire station	Area coverage	Distance from BlockHeadquarter/ municipality	Contact no of the fire officer	Equipment available at different fire station
1.	Sundargarh	Sundargarh sadar	01 KM	9937476209	Wadia pump=02 nos Elect.saw=01 nos Mechanical saw=03 nos O.B.M=01 nos Aska light=02 nos Life jacket=06 nos Life bouy=04 nos V.H.F=01 Set
2.	Lephripara	Lephripara block	½ KM	9438487811	Wadia pump=01 nos Elect. Saw =01 nos Mechanical saw =01 nos Life jacket=04 nos Life bouy=02 nos V.H.F Set=01 nos
3.	Balisankara	Balisankara block	1 ½ KM	9938209807	Pump=01 nos Elect saw=01 nos Mechanical saw=01nos Life jacket=04 nos Life bouy=02 nos V.H.F Set=01 nos
4.	Tangarpali	Tangarpali block	0 KM	8763203265	Pump=01 nos Mechanical saw=01nos Life jacket=02 nos Life bouy=02 nos V.H.F Set=01 nos
5.	Subdega	Subdega block	1 ½ KM	9438666558	Pump=01 nos Elect saw=01 nos Mechanical saw=01nos Life jacket=02 nos Life bouy=02 nos V.H.F Set=01 nos

6.	Kutra	Kutra block and Rajgangpur block area	02 KM	9861192935	Pump=02 nos Aska light=02 nos Mechanical saw=01 nos Life jacket=04 nos Life bouy=04 nos V.H.F Set=01 nos
7.	Hemgir	Hemgir block area	½ KM	9938516102	Pump=01 nos Mechanical saw=01 nos Life jacket=02 nos Life bouy=02 nos V.H.F Set=01 nos
8.	Bargaon	Bargaon block area	02 KM	9438339882	Pump=01 nos Elect saw=01 nos Mechanical saw=01 nos Life jacket=02 nos Life bouy=02 nos V.H.F Set=01 nos

9	Rourkela	Rourkela municipality and sector area	Rourkela to panposh-10 km Rourkela to kuarmunda-20 km Rourkela to nugaon Fs-30 km Rourkela to Bonai Fs-60 km Rourkela to Koida Fs-	9437221520	1. Ashka light-02nos 2. Life jacket-03 nos 3. Life bouy-07 n0s 4. Mechanical saw-02 nos 5. Crane –nil 6. Boat-01 nos
10	Panposh FS	Kalunga and lathikata block	Do	7205257843	1. Ashka light-01nos 2. Life jacket-10 nos 3. Life bouy-03 n0s 4. Mechanical saw-02 nos 5. Crane –nil 6. Boat-01 nos
11	Kuarmunda FS	Kuarmunda block	Do	8093553354	1. Ashka light-nil 2. Life jacket-04 nos 3. Life bouy-02 nos 4. Mechanical saw-01 nos 5. Crane –nil 6. Boat-nil
12	Nuagaon FS	Nuagaon block and biramitrapur municipality	Do	8895607998	1. Ashka light-nil 2. Life jacket-02 nos 3. Life bouy-02 nos 4. Mechanical saw-01 nos 5. Crane –nil 6. Boat-nil
13	Bonai FS	Bonai block Gurundia block & Lahunipara block	Do	9437421781	1. Ashka light-02 nos 2. Life jacket-04 nos 3. Life bouy-02 nos 4. Mechanical saw-01 nos 5. Crane –nil 6. Boat-01 nos

However the earth removing and road clearing equipment available in MCL

Basundahara is given below

Name of the equipments	Nos. available	Available with
Bulldozers wheeled/chain	4	MCL, Basundhara Area, Tikilipara
Dumper	13	MCL, Basundhara Area, Tikilipara
Earth movers	13	MCL, Basundhara Area, Tikilipara
Cranes-Heavy Duty, Fork Type	3	MCL, Basundhara Area, Tikilipara
Tipper-Heavy Duty	3	MCL, Basundhara Area, Tikilipara

3.1(3) Alternative Energy Sources & Specialised Equipments

Item	Nos. available	Available with
Gas Cutters	2	MCL, Basundhara Area, Tikilipara
Jack with 5 ton lift	2	Civil Defence, Rourkela
	1	Sundargarh Fire Station
Iron shod levers, 10 ft. long	16	Civil Defence, Rourkela
Sledge hammer	9	Civil Defence, Rourkela
Heavy Axe	6	Civil Defence, Rourkela
Single sheave snatch block	5	Civil Defence, Rourkela
Set of rope tackle (3 sheave – 2 sheave)	2	Civil Defence, Rourkela
Gloves-Rubber, Tested upto 25,000 volt	4	MCL, Basundhara Area, Tikilipara
Blankets	107	Civil Defence, Rourkela
Electric Generator	5	MCL, Basundhara Area, Tikilipara
	1	DDA, Sundargarh
Bulldozers wheeled/chain	4	MCL, Basundhara Area, Tikilipara
Dumper	13	MCL, Basundhara Area, Tikilipara
Earth movers	13	MCL, Basundhara Area, Tikilipara
Cranes-Heavy Duty, Fork Type	3	MCL, Basundhara Area, Tikilipara
Tipper-Heavy Duty	3	MCL, Basundhara Area, Tikilipara
Pump High pressure protable	4	Irrigation, Sundargarh
Extension Ladder	2	Civil Defence, Rourkela
Fire extinguishers ABC Type	16	Civil Defence, Rourkela
	80	MCL, Basundhara Area, Tikilipara
Fire extinguishers CO2 Type	4	Civil Defence, Rourkela
	7	MCL, Basundhara Area, Tikilipara
	1	DDA, Sundargarh
Fire extinguishers Foam Type	16	Civil Defence, Rourkela
Fire extinguishers DCP Type	1	Civil Defence, Rourkela
	1	MCL, Basundhara Area, Tikilipara
Stretcher normal	8	Civil Defence, Rourkela
	2	MCL, Basundhara Area, Tikilipara
Stretcher medical evacuation	1	MCL, Basundhara Area, Tikilipara
First Aid Kits	40	Civil Defence, Rourkela
	3	MCL, Basundhara Area, Tikilipara
Portable oxygen cylinders	2	MCL, Basundhara Area, Tikilipara
Portable ECG	1	MCL, Basundhara Area, Tikilipara
	2	RGH, DHH
Portable suction unit	2	MCL, Basundhara Area, Tikilipara
	4	DHH
Hygiene-Water Filter	2	Irrigation, Sundargarh
	1	Dist. Fishery, Sundargarh
	2	DDA, Sundargarh

Water Tank	2	MCL, Basundhara Area, Tikilipara
	1	DDA, Sundargarh
Tent Arctic	1	DIC, Sundargarh
Tarpaulin	11	Civil Defence, Rourkela
	1	Dist. Fishery, Sundargarh
	1	DDA, Sundargarh
Polythene Sheets	300	Collector, Sundargarh./all tahasil level
4 whell drive vehicle	1	Dist. Fishery, Sundargarh
	7	MCL, Basundhara Area, Tikilipara
	1	DIC, Sundargarh
	2	DDA, Sundargarh
	13	DHH/PHC/CHC
Truch (Medium Veh)	2	MCL, Basundhara Area, Tikilipara
Mini Bus	2	DHH/PHC/CHC
Bus (Heavy Veh)	1	MCL, Basundhara Area, Tikilipara
Light Ambulance Van	18	DHH/PHC/CHC/SDH
VHF Sets Static	2	MCL, Basundhara Area, Tikilipara
VHF Sets Mobile	2	MCL, Basundhara Area, Tikilipara
Walkie Talkie Sets	16	MCL, Basundhara Area, Tikilipara
	2	Collector, Sundargarh
HF Sets Static	1	Civil Defence, Rourkela
PH meter	1	Dist. Fishery, Sundargarh
Plastic Drums	5	Civil Defence, Rourkela

3.1(4) First aid and health services

The Chief District Medical Officer, Sundargarh is the head of district for health services. The district head quarter hospital is at Sundargarh. There are 19 Community Health Center (CHC) and 56 Primary Health centers (PHC) are functioning in this Sundargarh district. The list of the CHCs & PHCs are given below.

Name of the sub-division	Name of the CHC	Name of the PHC
Sadar	9	31
Panposh	6	13
Bonai	4	12

Contact Phone Number of the Medical Staffs:-

Name of the medical officer	Name of the hospital/CHC/PHC	Contact no.
Dr. Sashi Bhusan naik	ADMO(Medical)	9937360862
Dr. Umesh ch. guru	ADMO(FW)	9437243966
Dr. Shakti Prakash Padhee	ADMO(PH),Sundargarh	9439993013
Dr. Dibakar Choudhry	DMO, Sundargarh	9437249286
Dr. Prahalad ku. Pandab	DLO, Sundargarh	9439999152
Dr. Bira Kishore Patel	DTO, Sundargarh	9437055664
Dr. Urmila Mishra	SDMO, Bonai	9439993426
Dr. Puspa Mitra Mishra	SDMO, Panposh	9439993423
Dr. Rita Maxima Barla	Subdega CHC	9439996828
Dr. Manoranjan Patra	Koira CHC	9437837259
Dr. Ghanashyam Soreng	Laing CHC	9437723229
Dr. Debraj Hansda	Bisra CHC	9437758058

Dr. Sushil ku. Parida	Kutra CHC	9439993432
Dr. Nutan Kujur	Mangaspur CHC	9437757962
Dr. Rajesh Hemrum	Majhapada CHC	9439204360
Dr. Lalu ch.Tanty	Bargaon CHC	9539993587
Dr. Patitapabana Barik	Gurundia CHC	9439996796
Dr. Sanjib ku. Naik	Birkeria CHC	9437379885
Dr. Sidheswar Majhi	Hatibari CHC	9437277405
Dr. Rabindra nath Majhi	Kuarmunda CHC	9437140090
Dr. Gopal ch. Ray	Kinjirkela CHC	9437116491
Dr. Khetra mohan Chhatria	S.bolang CHC	8658954320
Dr. Jagdish Dehury	Sargipali CHC	9437250170
Dr. Arabinda Mishra	Lahunipara CHC	9437740882
Dr. Sradhakara Gartia	Hemgir CHC	9439996908

List of Ambulance service of the district:-

Place of Ambulance	Number of Ambulance
Sundargarh Head Quater	02
Bargaon CHC	01
Mangaspur CHC	01
Kuarmunda CHC	01
Hatibari CHC	01
Lahunipara CHC	01

Beside this 21 nos of 108 & 102 Ambulances are running around the clock.

List of Blood Bank.

1. Sundargarh Head Quarter
2. RGH, Rourkella
3. Bonai CHC

Blood Bank storage center:-

1. Rajgangpur CHC

FOR HEAT STRESS DISORDER

Sundargarh district experiences severe heat wave during March to June which cause loss of life. The CDMO Sundargarh has made an action plan for control of heat stroke in Sundargarh district.

At DHH one separate room to be created for receiving heat wave affected patients. The room will be provided with two no. of cooler, fans and generator. The service of the medical and paramedical staff will be provided round the clock for proper treatment of affected patients. Sufficient ice pack will be provided to the patient and adequate IV fluids, ORS, oxygen cylinder and necessary medicines should be kept ready to treat heat stroke patient.

The ADMO (PH), Sundargarh will remain over all charges of District Heat Stroke Management. At sub-division level the CDMO will supervise and monitor in their respective area.

At block level the PHC/CHC/UPHC Medical officer will be over all charge of the area.

3.1(4) Availability of V.H.F. Sets:

There are One VHF set at district office, each police station, out- post and each fire station available.

3.1(5) Availability of country boat

Sl.N	Name of the Tahasil/ Block	Name & Address of the Boat owner	Type of Boat (Country/Power)	Name of the river system	Location of the Boat
1	Lahunipara	Shri Pramod Rana	country	Brahmani	Tumkel
2	Kuarmunda	Shri Biranchi Singh	do	Koel	Pasara
3		Shri Anil Toppo	do	koel	Rilen
4		Shri Krishna Khadia	do	koel	Rilen
5		Shri Pradeep kumar Majhi	do	Koel	Pasara
6		Shri Dambaru Barik	do	Koel	Bijubandh
7	Sundargarh	Shri Mandhar Naik	do	lb	kundukela
8	Lathikata	Shri Rabindra Jhara	do	Brahmani	Garjan
9		Shri Dinesh Pandey	do	Brahmani	Tainsar

3.1(6) FAIR PRICE SHOPS as per new system (NFSA) :-

SL. NO	BLOCK NAME	Total No. of fair price shops
1	Balisankara	16
2	Bargain	13
3	Biramitrapur (M)	06
4	Bisra	14
5	Bonai	13
6	Gurundia	13
7	Hemgir	19
8	Koira	12
9	Kuarmunda	20
10	Kutra	16
11	Lahunupara	17
12	Lathikata	15
13	Lephripara	17
14	Nuagaon	20
15	Rajgangpur	12
16	Rajgangpur (M)	08
17	Rourkela (M)	121
18	Subdega	14
19	Sundargaarh	16
20	Sundargarh (M)	01
21	Tangarpali	13
TOTAL	21	396

3.1 (7) Mills name, miller code and place of business

Sl. no	Name of the custom miller	Mille code	Place of business	Name of the block
1	Agrasen rice mill	M301402	Badgudhiali	Kutra
2	Jagannath agro ind.	M300401	Urumkela	Bisra
3	Jai jagannath rice mill	M300803	Bijabahal	Kuarmunda
4	Jai gisai agro food	M300802	Bijabahal	Kuarmunda
5	Maa bhawani rice mill	M300201	Latagaon	Kutra
6	Maa santoshi rice mill	M301601	Kandabahal	Sadar
7	Radha gopi rice mill	M30001	Bisra	Bisra
8	Shiva parbati rice mill	M301401	Mandiakudar	Rajgangpur
9	Shree radhey Krishna food processing Ind,(P) ltd	M301603	Mahuljore	Lathikata
10	S.R.Agro	M300402	Tikayatpali	Lathikata
11	Utkal rice mill	M301602	Jamtalia	Sadar
12	Vidya minerals (P) ltd	M301001	Arkeikela	Nuagaon
13	Maa basanti rice mil	M300202	Jharmunda	Bargaon
14	Jbs re-rollers (P) Ltd	M300203	Govindpur Tileimal	Bargaon

3.1(7) Animal Husbandary resources

1. No. of sub-divisions: 03
2. No. of block head quarter Vety. Dispensaries: 17
3. No. of Vety. Hospitals functioning independently outside blocks: 01 (Rourkela)
4. No. of Live stoke Aid Center (LAC) in the district: 112

Name of the sub-division	Vety. Institution	No. of LACs
Sundargarh	VH ,Sundargarh	02
	VD, Kundukela	03
	VD, Majhapara	04
	VD, Tangarpali	05
	VD, Lephtipara	04
	VD, Darlipali	03
	VD, Hemgir	03
	VD, Gopalpur	03
	VD, Balisankara	05
	VD, Kinjirkela	04
	VD, Subdega	09
	VD, Bargaon	07
	VD, Kutra	04
	VD, Rajgangpur	03
	VD, Kansbahal	01
Total	15	60
Panposh	VH, Rourkela	04
	VD, Kuarmunda	03
	VD, Biramitrapur	02
	VD, Hatibari	04

	VD, Lathikata	02
	VD, Kalunga	05
	VD, Bisra	06
Total	7	26
Bonai	VD, Bonai	03
	VD, S. Bolang	02
	VD, Lahunipara	02
	VD, Khuntagaon	03
	VD, Satkuta	01
	VD, Gurundia	05
	VD, Jarda	03
	VD, Koira	06
Total	8	26

Monitoring unit to check in the time of natural disaster:-

Monitoring unit	Headed by	Team members
District level monitoring unit	CDVO Sundargarh	ADVO (LP),ADVO (DC),AFDO,SNG one clerk ,one data entry operator, one peon
Sub-Divisional level monitoring unit	Concerned CDVO	DD/HQ/VAS, one clerk, one peon
Block level monitoring unit	Concerned BVO	VAS/AVAS,VO, Livestock Assistant, Attendant in MVU & LIs

3,1(7) List of NGOs:

SI no.	Name of NGOs	Name / contact no / e-mail ID	Area of Operation	Sector
1	Anchalik seva samiti	Ram ch. Kumbhar Mob. No. 9437757767	Hemgir	Child labour
2	PRAGRATI	Rajendra Behera Mob.No.9437684503 beherarajendrakumar@yahoo	Sundargarh	Women Empowerment and integrated tribal development
3	SEWAK	Amiya kanta Naik Mob. No9437083288 sewaksundargarh@rediffmail	Tangarpali	Women & Child development
4	AVA	Bulu Mob.No.9437836946	Sundargarh	Women and child Devtt old age & HIV AIDS
12	ANGNA	Rimish Ekk.No.9937875466 ekkarimish@reiffmail.com	Kutra	Agriculture/health /socio-culture
14	LOVE SOCIETY	Manohar Dung Dung Mob. No.9439949941 Love org2002@rediffmail.com	Kutra	Education and orphanage
18	IOVA	Rasmi Tete	Sianbahal	Orphanage
19	SYS	Jagabandhu Pruseth	Bhikampur	NABARD'S project

		Mob.No.9556478465		Farmer's club
24	VOWEL	Balmukunda Sukla Mob. No.9437212604	Kuarmunda	Women empowerment livelihood & sanitation
26	UGWT	Arun ku. Parida Mob. No.9438515313 ugwt.odisha@gmail.com	Rourkela	
27	ANWESAN	Sachala Panda Mob. No.9437408120 Anwesan.odisha@gmail.com	Rourkela	Child development and orphanage
34	ENVY CARE	Srikant Satpathy Mob. No.9437152503	Rourkela	Health and sanitation
36	VISTAR	Randhir Mob. No.9437212368	Rourkela	Night Shelter home co- ordination with Rkl cooperation
40	Vikash Pratitsan	Ramakanta Bhanja Mob. No.9437117226 vikashpratistan@gmail.com	Bonai	Health related
42	SGUP	Shyam Sundar Rout Mob.No.9439905556 Bonaisgupsng@gmail.com	Lahunipara	NABARD project
43	YAVADR	Ajaya kumar Mob.No.9438142338 Yavard01 02@yahoo.co.in	Lahunipara	Gaon and jungle yojana
44	JEEVAN VIKASH	Bhajamana Mahanta Mob. No.9437168823 jeevanvikashodisha@gmail.com	Lahunipara	PAUDI BHUYAN tribal development
46	Chetna	Chandra Sekhar Mahanta Mob. No.9437952801	Lahunipara	RNTPC(health)

CHAPTER - III

RISK/HAZARD ANALYSIS

4.1 History of Disaster in the District.

Type of Hazard	Year of Occurrence	No of villages/ ULBs affected	Population affected	Human causality	Animal causality
Lightning	2010	Nil	Nil	13	Nil
Sun-stroke		Nil	Nil	Nil	Nil
Fall of wall		Nil	Nil	Nil	Nil
Lightening	2011	Nil	Nil	Nil	Nil
sunstroke		Nil	Nil	Nil	Nil
Fall of wall		Nil	Nil	2	Nil
Lightning	2012	Nil	Nil	18	Nil
Sunstroke		Nil	Nil	8	Nil
Fall of wall		Nil	Nil	Nil	Nil
Lightening	2013	Nil	Nil	23	Nil
Sun stroke		Nil	Nil	1	Nil
Fall of wall		Nil	Nil	Nil	Nil
Lightening	2014	Nil	Nil	12	Nil
Sunstroke		Nil	Nil	Nil	Nil
Fall of wall		Nil	Nil	Nil	Nil
Lightning	2015	Nil	Nil	17	Nil
Sunstroke		Nil	Nil	nil	Nil
Fall of wall		Nil	Nil	Nil	Nil

4.2 Seasonality of Hazards

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

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
Flood									←	→						
Cyclone					←	→							←	→		
Earthquake	←	→														→
Heatstroke					←	→										
Drought									←	→						
Hailstorm					←	→										

CHAPTER – V, Risk Assessment

Risk Assessment

5.1 Risk Assessment

Type of Hazards	Time of Occurrence	Vulnerable areas
Flood	August -September	Sundargarh, Tangarpalli, Lephripara, Subdega BalisankaraKutra, Kuanarmunda. Bisra, Lathikata, Nuagoan, Lahunipara, Bonai, Gurundia, Koira
Drought	Sept-December	All block and ULB
Sunstroke	April - June	All Block and ULB
Fire	Throught the year	All Block and ULB
Lightening	April-August	All block and ULB

CHAPTER – VI, Mitigation Plan

Mitigation Plan

6.1 Sector wise Vulnerability Reduction Measures:

Type of Sector	Sub-Sector	Mitigation Measures	Responsible Department/ Personnel	Time Frame
Infrastructure Development	IEC Activities	<ul style="list-style-type: none">• Distribution of leaflets , posters & wall painting .• Awareness generation programme in schools and colleges, conducting padayatra other and relies.• Organizing staff development and refresher training to concerned dept., task force team NGO and CBOs .• Conduct regular Mock Drill .• Plantation Programme.	DIPRO & NGO Co-ordination Cell.	Through out the year (With regular intervals)

	Road	<ul style="list-style-type: none"> • Identification/ repair of main and alternative routs • Repair of identified vulnerable points . • Conversion to pucca roads of all village roads . • Encourage water ways ferry's 	PWD , RD and Block	During normal Time & Immediately after disaster
	Embankment	<ul style="list-style-type: none"> • Strengthening and raising the height of weak embankments, points • Storage of flood fighting materials like sandbags , bamboo's mats etc. 	• Irrigation Dept	During pre-flood season
	Bridges	<ul style="list-style-type: none"> • Regular maintenance of Bridges. 	R & B & RD dept	During normal period
	Safe Shelters	<ul style="list-style-type: none"> • Identification of places for preparation of mounds and cattle shelters . • Ensure multipurpose use of shelters by community, schools, NGOs, CBOs . 	Sub-Collectors, BDOs & NGOs	During normal period

Infrastructure Development	Communication	<ul style="list-style-type: none"> • Ensure proper maintenance of Telephone, FAX, WLL Phones ,Wireless & VHF sets . • Ensure timely setting of Wireless Stations in District/ Block Office. <p>Installation of VHF / HAM Radio in all the Block Headquarters</p>	BSNL, OSDMA, SP signal	April-May
	Drinking Water & Sanitation	<ul style="list-style-type: none"> • Assessment of running /defunct Tube wells & make necessary arrangements • Identification of scarce water pockets installation of water supply system. • Identification of TWs which are likely to submerge and raising of its platform height. • Arrangement of Tankers / fibre Tank. • Assessment of requirement of disinfectants and ensure its regular use. 	PHD & RWSS	During normal time & immediately after disaster

	Power	<ul style="list-style-type: none"> • Ensure proper maintenance of Electric Sub Stations , Power grids • Complete electrification through out the District. • Install Solar Lamps nears flood & Cyclone shelters & ensure its maintenance. <p>Ensure un-interrupted power supply to the district control room during disaster period</p>	WESCO	Through out the year.
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	IEC Activities Distribution leaflets	<ul style="list-style-type: none"> • Distribution of leaflets , posters & wall painting , • Conducting meeting / workshops, staff development training , orientation to village level volunteers , taskforce members • Awareness generation programme such as conducting rallies/ street plays etc. 	CDMO, CDVO & NGO	Pre, during & post disaster period.
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Health & Animal Husbandry	Vaccination/ Disinfections	<ul style="list-style-type: none"> • Procurement & stocking of vaccines. • Regular vaccination of domestic animals • Regular dis-infection of TWs , Wells & Ponds . • Regular cleanliness of Medical / Hospital Campus • Procurement of Refrigerator for Veterinary Hospital. 	CDMO & CDVO	Pre, during & post disaster period.
	Training	<ul style="list-style-type: none"> • Impart trainings on Health care, Sanitation, Insurance First Aids to Medical staff as well as volunteers 	CDMO	During normal period.

Sectors Wise Vulnerability Reduction Measures

Type of Sector	Sub-Sector	Mitigation Measures	Responsible Department	Time Frame
Livelihood Sector	IEC Activities	<ul style="list-style-type: none"> • Distribution of leaflets , posters & wall painting • Conducting meeting workshops staff development training , orientation to village level volunteers & to beneficiaries on EDP (Entrepreneurship Development Programme). • Awareness generation programme such as conducting rallies & street plays etc. 	BDOs,DIC, Banks	During Normal period.
	Agriculture	<ul style="list-style-type: none"> • Alternative cropping , Installation of L .I. Points • Crop Insurance, Provision of Credit Facilities & Cold Storage 	Dy. Director Agriculture & DAOs ,	During Normal period.
	Horticulture	<ul style="list-style-type: none"> • Raising, Seedling training & Insurance facilities . 	Dy. Director Horticulture Department.	During Normal period.
	Fishery	<ul style="list-style-type: none"> • Providing fishery technology & training 	District Fishery Officer	During Normal period.

Insurance	IEC Activities	<ul style="list-style-type: none"> • Distribution of leaflets , posters , wall painting • Conducting meeting workshops staff development training , orientation to line department , Block functionaries, NGOs , village level volunteers & to beneficiaries on Insurance Schemes. • Awareness generation programmes such as conducting rallies street plays etc. 	Block , Insurance Companies , Agriculture Department , Bank , NGOs.	During normal period.
	Infrastructure	<ul style="list-style-type: none"> • Maintenance of Roads / Building • Maintenance of Block Level / GP Level Storage go down 	R & B,	During normal period.
	Life & Livelihood	<ul style="list-style-type: none"> • Insurance of life, livestock ,Crop & small business units etc. 	Block Insurance Companies ,Agriculture Department , Bank , NGOs.	During Normal period.

<p>Planning & Response</p>	<p>IEC, Relief & Rehabilitation Activities.</p>	<ul style="list-style-type: none"> • Renewal of Block Contingency Plan at regular intervals . • Aware Community through distribution of leaflets, posters & wall painting . • Awareness generation programme such as conducting rallies ,street plays etc. • Conducting meeting workshops staff development training , orientation to line department , GP functionaries, NGOs , village level volunteers & to beneficiaries on Contingency Plans. • Regular mock drill at various level . • Timely preparedness & dissemination of warnings, carrying out search & rescue , evacuation operations . • Shelters to victims . • Protection to livestock. • Carry out emergency relief operation . • Clearance of debris & disposal of dead bodies & maintenance of sanitation. • Damage assessment . • Taking care of StarvationCases. • Maintenance of law and order. • Co-ordinance & Sharing of information . 	<p>Block and all Line Departments, NGOs & CBOs.</p>	
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CHAPTER – VII, Crisis Response Structure

Crisis Response Structure of the District

A. Early Warning Dissemination and Response Plan:

<i>Department</i>	<i>Response System</i>			
	<i>Preparedness</i>	<i>Pre (after Warning)</i>	<i>During Disaster</i>	<i>Post Disaster</i>
District Control Room	<ul style="list-style-type: none"> • Setting up Control Room and ensuring round the clock functioning • Assignment of duties to the District Level officials and Sub collectors/ Tahasildars/BDOs • Arrangement of vehicles and public announcement system with RTO & DIPRO for warning dissemination • NGO coordination and assignment of duty • Proper record keeping and transmission of information to all the levels • Early warning to fishermen 	<ul style="list-style-type: none"> • Monitor functioning of DCR round the clock • Coordination with District Level officials and Sub collectors/ Tahasildars/BDOs • Coordination with RTO/DIPRO for vehicles and public announcement system for warning dissemination • NGO coordination and assignment of duty • Proper record keeping and transmission of information to all the levels • Holding of DDMC meeting • Ensure proper maintenance and functioning of warnings & communication systems 	<ul style="list-style-type: none"> • Dissemination of information regarding status of the disaster & submission of report to state, INGOs and media. • Try to check rumours.. 	<ul style="list-style-type: none"> • Providing information about the precedence of disaster and information about the relief and rehabilitation programme undertaken by the district administration.

	<ul style="list-style-type: none"> • Holding of Natural Calamity meeting • Ensure proper maintenance and functioning of warning s & communication systems • Awareness generation among public on natural hazards • Ensure Mock drill 			
Police	<ul style="list-style-type: none"> • Ensure functioning of the warning system. • Formation of team • Delegation of areas • Formation of zones/Sub-Zones 	<ul style="list-style-type: none"> • Keeping close contact with DEO • Deploy personnel to guard vulnerable embankment points • Alert Police officials to remain at the Head Quarter 	<ul style="list-style-type: none"> • Collection of vital information • Inform DEO after getting authentic message 	<ul style="list-style-type: none"> • Support District officials and volunteers during search and rescue operation • Assist fire brigade personnel in their efforts <ul style="list-style-type: none"> • Maintain law and order situation
Revenue	<ul style="list-style-type: none"> • Holding of natural calamity meeting in the month of May and October. • Joint 	<ul style="list-style-type: none"> • Close contact with EO • Informing all concerned /public through revenue field • Functionaries Alert revenue officials to 	<ul style="list-style-type: none"> • Collection of on the spot report from field functionarie • Disseminati on of day to day position 	<ul style="list-style-type: none"> • Collection of on the spot report from field functionaries Dissemination of day to day

	<p>inspection</p> <ul style="list-style-type: none"> • Formation of Zones/Sub-Zones • Review progress • Arrangement of boats and transport, based on the risk assessment, for evacuation • Provision/arrangement of rescue kit at risk prone area. • Equipments to be ready • Formation of team • Delegation of areas 	<p>remain at the Head Quarter</p>	<p>about the disaster at all levels</p> <ul style="list-style-type: none"> • Liaison with block 	<p>position about the disaster at all levels</p> <ul style="list-style-type: none"> • Liaison with district, sub-division and down the line
Health	<ul style="list-style-type: none"> • List out the staff with contact address • Stock position of the sub-center and PHC/AWCs • Prepare the plan and indent for stock • Train Paramedical 	<ul style="list-style-type: none"> • Medical and Paramedical staffs will be directed to join Head Quarter immediately • Settings of a Control Room and will be kept operational for 24 hours • Delegation of duties /Area distribution • Request CDMO and requisition of vehicle • Meeting of Sector MO/Supervisors 	<ul style="list-style-type: none"> • Arrangement of medical help for the rescued. • Inform to respective Para medical staff regarding evacuated people. 	<ul style="list-style-type: none"> • IEC activities regarding health and sanitation

	<p>staff/ ANMs / male health workers / volunteers/task forces/Anganwadi workers for use and providing minimum health services to the community.</p> <ul style="list-style-type: none"> • Arrange for mobile health unit for inaccessible areas • DDC at village level • Health awareness campaign • Re install telephone connection • Arrangement of vehicle for uninterrupted mobility • Repair of Sub Centers buildings • Registration of Birth /Death and other vital events 	<ul style="list-style-type: none"> • Record keeping 		
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	<ul style="list-style-type: none"> • Dis-infections of Drinking water Sources thrice before flood season at least, one month before 			
Irrigation	<ul style="list-style-type: none"> • Holding of natural calamity meeting in the month of May and October • Awareness generation • Formation of Zones/Sub-zones • Review progress • Provision/ arrangement of sand bags in risk prone area • Equipments to be ready • Formation of team • Arrangement of vehicle • Delegation of areas 	<ul style="list-style-type: none"> • Suspension or cancellation of all leaves of instruction to the concerned person to join head quarter immediately. • Arrangement of all-important telephone line and number in order • Arrangement or requisition of Jeeps/ Trekkers/ Auto Rickshaw to disseminate received warning information to the population of vulnerable/ weak places. • Maintenance of record for information generation and dissemination. • Co-ordinate with District Administration • Deployment of concerned staff to update information 	<ul style="list-style-type: none"> • Coordination of the information and keeping a strict vigil over the situation and act accordingly. • Maintenance of record for information generation and dissemination. • Co-ordinate with District Administration 	<ul style="list-style-type: none"> • Damage assessment • Identification of areas for clearance • Delegation of team • Monitoring of work • Proposal to the government for repair and restoration

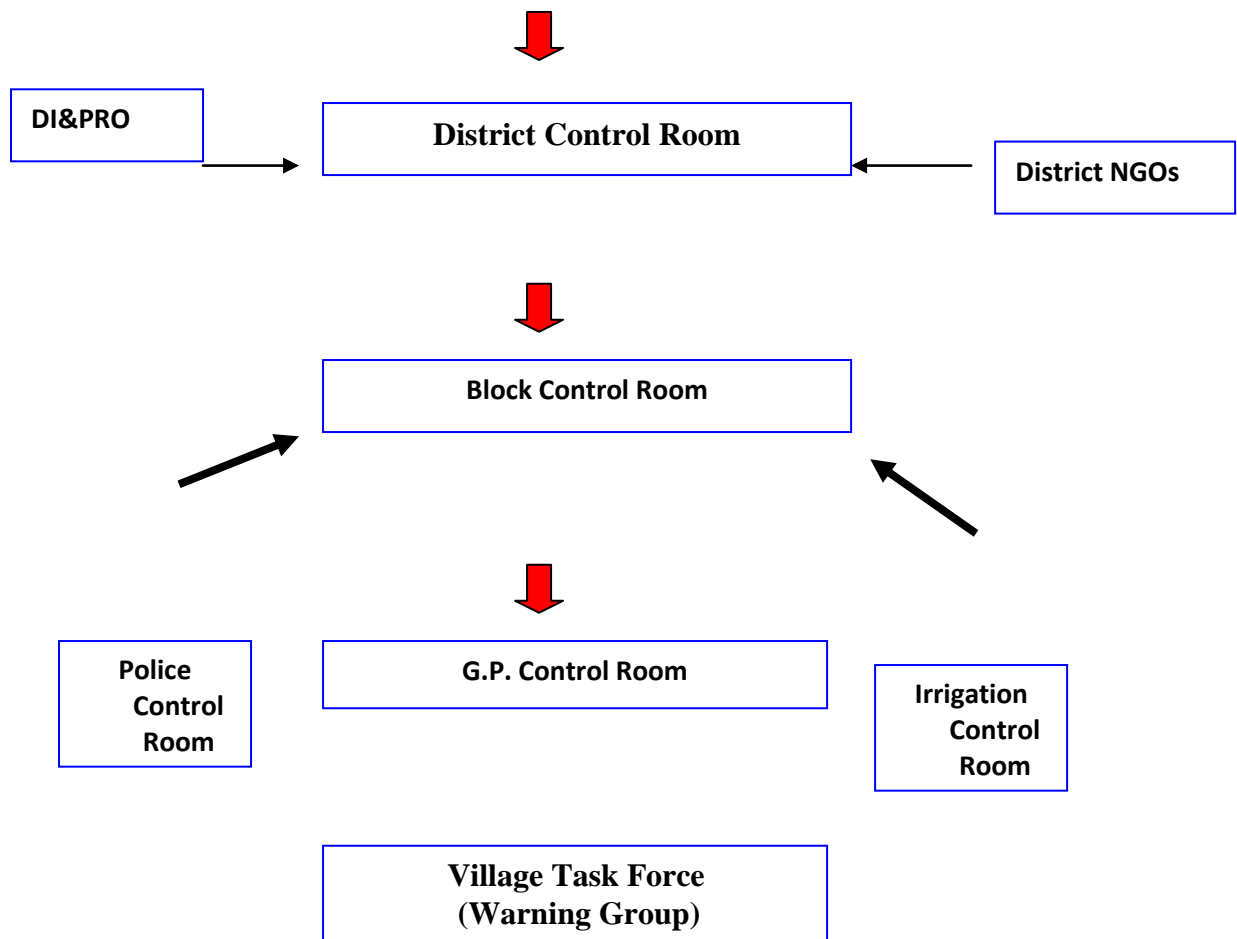
		<p>regarding water level and velocity of flowing water in the rivers as well as about possible breaches, scorings, piping, seepages etc.</p> <ul style="list-style-type: none"> • Ensure deployment of country boats at vulnerable points. • Rain recording and submission of report to District Control Room. • Arrangement of sand bags 		
RD & R&B	<p>Identification of weak-points</p> <p>Repair of weak roads/structures /canals before hazard season</p> <p>Stockpiling of building material</p> <p>Arrangement of equipments for road clearance</p>	<ul style="list-style-type: none"> • Suspension or cancellation of all leaves of instruction to the concerned persons to join head quarter immediately. • Arrangement of all-important telephone line and number in order. • Maintenance of record for information generation and dissemination • Co-ordinate with DistrictAdministration • Clearance of roadside dead trees posing threat to communication, life and electricity. 	<ul style="list-style-type: none"> • Coordination of the information and keeping a strict vigil over the situation and act accordingly. • Maintenance of record for information generation and dissemination. • Co-ordinate with District Administration 	<ul style="list-style-type: none"> • Damage assessment • Identification of areas for clearance • Delegation of team • Monitoring of work <p>Proposal to the government for repair and restoration</p>

RWS&S	<ul style="list-style-type: none"> • Installation of tube-wells • Site visit and report preparation • Awareness generation for using bleaching • Helping BDO during emergency • Supply of drinking water during emergency • Site selection and water test in Pallasuni (BBSR) • Collection and storing of K-O18H2s test stripe, bottle, bleaching, halogen tablets, tube well accessories • Area wise deployment of staff, fitter, Mason, APD 	<ul style="list-style-type: none"> • To inform all its staff members to report their respective headquarters • Close contact with DEO • Arrangement of water tankers • Procurement collection of water purifiers • Stockpiling of accessories • Repairing the defunct tube-wells • Raising platforms/height of the tube wells in low lying areas. 	<ul style="list-style-type: none"> • Coordination of the information and keeping a strict vigil over the situation and act accordingly. • Maintenance of record for information generation and dissemination. • Co-ordinate with District Administration 	<ul style="list-style-type: none"> • Damage assessment • Identification of areas for clearance • Delegation of team • Monitoring of work • Proposal to the government for repair and restoration
Animal Husbandry Dep.	<ul style="list-style-type: none"> • List out staff members with contact address • Vaccination of cattle population • Provision of supply of yearly medicines • Arrangement of mobile health units in inaccessible areas • Health awareness 	<ul style="list-style-type: none"> • On receipt of warning ask all the staff to join duty immediately • Deployment of staff to the inaccessible areas • Regular maintenance of records • Co ordination with higher authorities 	<ul style="list-style-type: none"> • Record keeping • Information dissemination to concerned quarters (Sub-Divisional Vet. Officer) • Maintenance of regular flow of information 	<ul style="list-style-type: none"> • Damage assessment • Identification of areas for clearance • Delegation of team

	<ul style="list-style-type: none"> campaign • Arrangement of vehicle for uninterrupted mobility • Repair of LI Centers and other necessary equipments 			<ul style="list-style-type: none"> • Monitoring of work <p>Proposal to the government for repair and restoration</p>
Electric	<ul style="list-style-type: none"> • Regular identification of faults • Regular checking and repair of weak points/Transformers • Stockpiling of equipments/accessories • Skill development training/orientation • Precautions/protections near high voltage electric equipments installed • Stopping illegal consumption of electricity 	<ul style="list-style-type: none"> • Alert all staff to get back to their respective head quarters • Retrofitting of weak points if found • Disconnection of electricity in the event of an emergency <p>Arrangement of alternative energy sources such as generators and fuel for generators</p>	<ul style="list-style-type: none"> • Disconnection of electricity to the affected areas 	<ul style="list-style-type: none"> • Restoration of electricity
NGOs	<ul style="list-style-type: none"> • IEC activities on disaster management • Community mobilization • Ensure regular 	<ul style="list-style-type: none"> • Alert all the concerned volunteers to close contact with NGO/GP/BDO immediately • Arrangement of all – important telephone line 	<ul style="list-style-type: none"> • Collect and disseminate authentic information regarding weather forecast, movement 	<p>Coordinate with District administration to help in disseminating information</p>

	<p>meeting of NGO co-ordination cell</p> <ul style="list-style-type: none"> • Disseminate all government aided programme to the community • Ensure regular mock drill • Ensure regular bleaching / use of disinfectants in the drinking water sources • Organize workshops seminar meeting/training on community based disaster management • Long term mitigation strategies 	<p>and number in order.</p> <ul style="list-style-type: none"> • Engage Volunteers to disseminate received warning/ information to the population of vulnerable / weak places • Attend emergency meeting of BDMC, NGO Co-ordination Cell, GPDMC and organize village Disaster Management Committee meetings. • Maintenance of record for information generation and dissemination • Co-ordinate with Block Administration, GPDMC and PDC • In case of flood provide information to the Block Control Room regarding water level and velocity of flowing water in the rivers as well as about possible breaches, scouring, piping, seepages etc • Support Block Administration regarding deployment of country boats at vulnerable points 	<p>and velocity of the cyclone, possible rain, amount floodwater released from Hirakud Dam, river Mahanadi and Kathojodi to the communities.</p> <ul style="list-style-type: none"> • Try to check rumours. • Collection of local flood condition reports and pass on to Block Administration, INGOs and Media for possible support. • Make spot visit to see embankments, constant hourly contact with irrigation department to ensure the dispatch of sand bags to weak points, etc. • Collection of information on places where breaches occurred / likely to occur due to seepage / over topping / damage to embankments 	<p>regarding the disaster and help in coordinating relief & rehab measures.</p>
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Early Warning Dissemination



STANDARD OPERATIONS PROCEDURE (SOP)

FOR DISTRICT *EMERGENCY* CONTROL ROOM, SUNDARGARH

TELEFAX: 06622- 220362 & 1077 (Toll free)

LOCATION: COLLECTORATE, SUNDARGARH

START IMMEDIATELY ON RECEIVING WARNING OR INFORMATION ABOUT ANY
EMERGENCY FROM ANY SOURCE

1. Officer in charge of Control Room: The control room shall be in overall charge of the Collector. In the absence of Collector, ADM , PD DRDA, Emergency Officer or any other officer or staff on duty at that point of time shall remain in charge of Control Room. The person in charge of control room shall be personally responsible for implementing the SOP. She/he shall take all decisions as outlined below and sign for the Collector on all reports mentioned below. She/he shall not wait for orders from anybody.
2. Assembly in Control Room: Following staff and officers shall assemble in the Control Room on getting any information from any source about any emergency. Apart from these, any other officer or staff who gets the information from any source will reach the Control room.
 - 2.1. Collector, ADM, PD DRDA, Emergency Officer, Sub-Collectors, Excise Superintendent, GM DIC, Tahasildars, , CSO, DIPRO and RTO.
 - 2.2. All staff of emergency section, Stenos to Collector & ADM.
3. Getting the Control Room ready: Following preparatory steps will be taken up for keeping the control room functional during emergency.
 - 3.1. Shift two more phone lines to control room.
 - 3.2. Stocking of Diesel for running the generator sets.
 - 3.3. Charge the battery of VHF set of control room and staff car.
 - 3.4. Charge the battery of inverter.
 - 3.5. In case of cyclone warning, arrange four extra batteries.
 - 3.6. Charge the satellite phone and test it.
4. Alert all field officers: BDOs, Tahasildars, MOs, VAS, Police, Industries, Telephone, Agriculture, RWSS, RD, R&B, ICDS, Irrigation, WESCO, NH, PHD, Municipality, MLAs, MPs, MIs, CI/DI/SIs, Station Director, All India Radio. DIPRO shall inform the media. Warning shall be issued in the following format:

Emergency Warning Message No.	Dt.
Info.	
To: SP/ All OslC/ IslC/ BDOs/ Tehsildars/ Sub Collectors/ Medical Officers/ EE R&B/ EE RD/ GM DIC/ DIPRO/ EE Irrg. Divn. / EE WESCO / DDA, / EOs of ULB./ CI of Schools/ DIs of Schools/ DSWO/ EE RWSS / EE NH/ EE PHD	
(Space for message)	
(Priority)	
CRASH	
Collector, Sundargarh	

5. Call up the officers and ensure that they remain in headquarters.

5. Prepare a logbook for recording chronological sequence of events.

6. Food and Kerosene:

6.1. Check up availability of food (rice, chuda and *Gur*) and kerosene at block headquarters, with storage agents and other inaccessible pockets. BDOs shall contact all Storage Agents. They shall personally visit the Godowns and verify the stocks. The Agents shall remain present at the store round the clock. BDOs shall immediately depute one officer to the place where the storage Godown are located.

6.2. Seize the Godown. ACSO, MI and CSO shall remain in charge of Store Godown and Haller Mills.

6.3. Direct the Godown and FCI to remain open on all days, including Sundays and holidays, till situation gets back to normal.

- 6.4. Start movement of food stock and Kerosene Oil from block headquarters to areas that are likely to be cut-off.
- 6.5. Start movement of food stock and K. Oil from district headquarters to block headquarters.
7. Check availability of sand bags
Get sandbags from the line deptts like R & B, RW, MI, Irrigation, BDOs.
8. Health sector: Make a rapid assessment of the following.
 - 8.1. Check up the stock of medicines, bleaching powder, halogen tablets. If necessary, send immediate requisition.
 - 8.2. Start movement of medicines, bleaching powder, etc. to PHCs/CHCs.
 - 8.3. Ensure that medical officers are in place at the PHCs and CHCs through police stations, blocks and Tahasildars.
 - 8.4. CDMO shall decide the locations of camps.
 - 8.5. All CDPOs shall be teamed up with the MO of PHC/ CHC with their vehicles and supervisors.
9. Vehicles: Requisition 10 small and 8 big vehicles immediately. Further requisition will be made as per need.
10. Empower field officials to requisition vehicles. Send 10 requisition forms to each Tehsildar, BDO and Police station.
11. Boats: Requisition boats within district. Requisition boats from ODRAF
12. Ask CSO to remain in readiness for supply of stocks of rice and chuda.
13. Close educational institutions after making an assessment of the seriousness of the emergency.
14. Veterinary measures: Immediately contact MD, OMFED and tie up the supply of cattle feed.
CDVO shall make assessment of vaccines and fodder availability.

15. Air dropping zones: Use the lat-long book for identifying the air dropping zones. Make an advance list of villages where air dropping may be needed.
16. Each JE of RD, R&B, and NH & IRRIGATION shall keep ready a gang of 20 persons (severe cyclone- 40-person gang) with axes and saws. They will also have one chain-pulley system ready. Requisition the services of officers who have been effective in the past. Allot areas to them with full powers of decision making on the spot.
17. Make a thorough assessment of relief items available in stock at different places.
18. Functional distribution of work: Following functional distribution of works shall be done. Each team will have staff and resources. The team leader will have full powers to take decisions
 - 18.1. Transportation team
 - 18.2. Stock and store team
 - 18.3. Finance team
 - 18.4. Information and office documentation team
 - 18.5. Food and other relief items team
 - 18.6. Law and Order team
 - 18.7. Civil Society and International Organizations co-ordination team
19. Civil Society organizations: Get in touch with civil society organizations. Allot them areas or functions. Get them introduced to the field functionaries. Ask them to prepare a list of volunteers. Make a quick inventory of their resources. Contact UNICEF, UNDP, WFP, CARE, OXFAM, OSDMA, Action Aid and other international agencies and PSUs. Make a quick assessment of district needs and expectations from different agencies.
20. Press briefings: Press briefings play a very important role in disaster management. Daily press briefs will be issued at 1600 hours. Written information will be issued. Following format will be used.

District Press Note No.		Dated:		
		Total	Affected	Remarks
1	Blocks/ towns			
2	Villages			
3	Population			
4	Severely affected areas			
5	Rescue measures			
6	Boats deployed			
7	Army/ Navy/ Coast Guard			
8	Police/ Fire brigade			
9	Other agencies			
10	Exemplary events			
11	Relief measures	Qty	Villages covered	Days covered
12	Rice			
13	Chuda			
14	Other dry food			
15	Kerosene Oil			
16	Polythene sheets			
17	Tents			
18	Cattle feed			
19	Halogen tablets			
20	Medicines			
21	Air dropping sorties			
22	Casualties			
23	Missing reports			
24	Cattle death			
25	Civil Society Organisations			
26	Damage to property	Number	Approx Value	
27	Roads			

28	Embankment breaches			
29	Schools			
30	Other public buildings			
31	House damage			
32	Electrical installations			
33	Others			
34	Prospects in next 24 hours			
35	Message for people			
36	Other details			

21. Message to public over All India radio should be specific. Apart from the warning, it should include the following three points.

21.1. Take shelter in nearest *pucca* building.

21.2. Keep cattle tied in open spaces.

21.3. Keep sufficient dry food.

22. Regularly contact R.D.C., S.R.C., Home Secretary, Revenue Secretary, PS / Secretary/ Additional Secretary to Chief Minister, Chief Secretary and Health Secretary.

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

24. Regularly check up <http://www.npmoc.navy.mil/jtwc.html> and www.imd.ernet.in and other web sites.

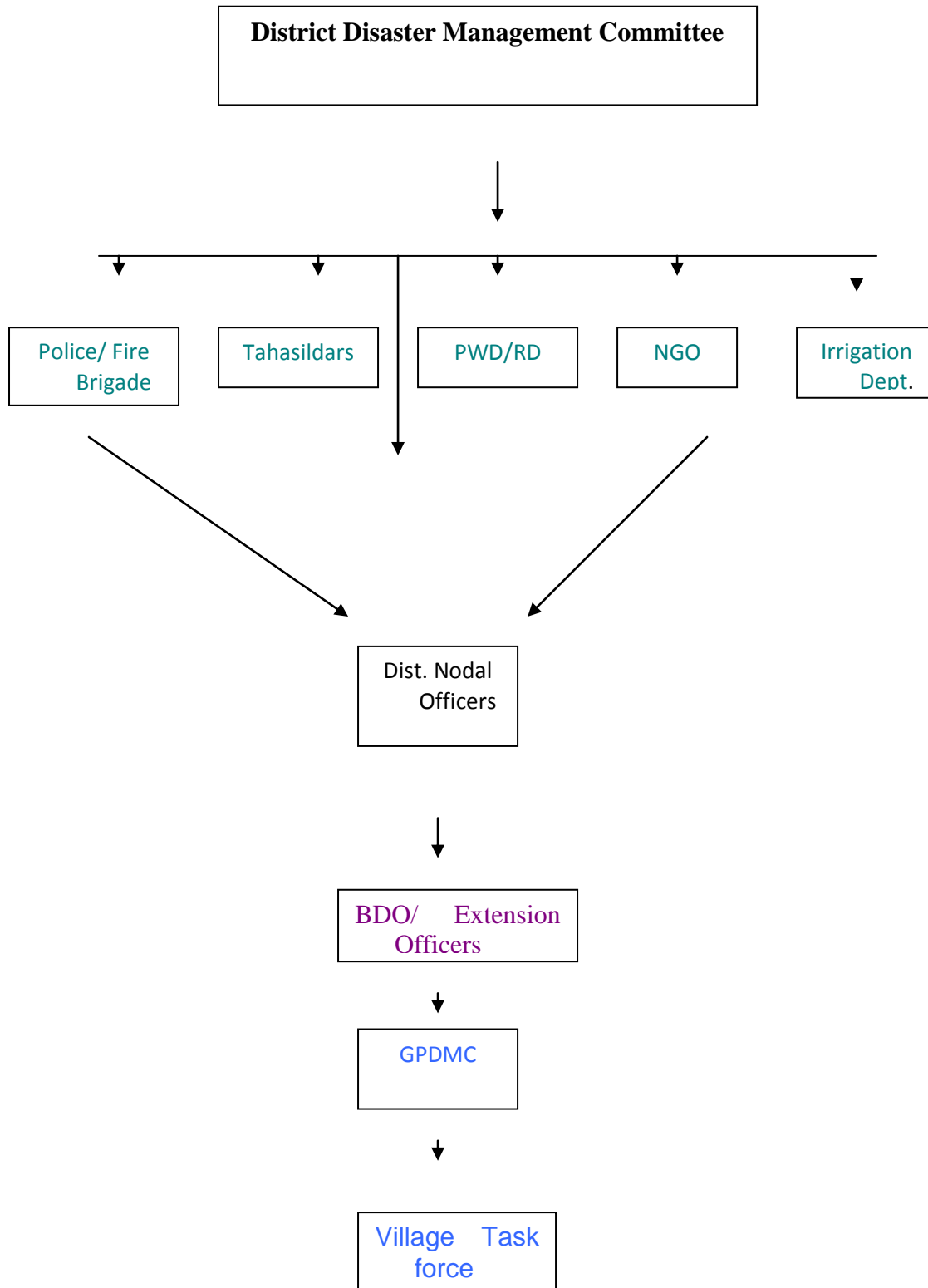
25. Keep spare copies of district maps. Jurisdiction maps of all irrigation divisions shall be kept ready in good numbers.

26. Get mobile phones for Sub-Collector, Sadar, other officials and neighboring BDOs/ Tahasildars.

27. Contact State Bank of India for making available VSAT network in case of failure of all communication channels.

28. Contact Flood Cell.
29. Requisition all IB/ Rest sheds.
30. Requisition School/ College for army/ police forces.
31. Direct all field officers to hire generators and keep sufficient oil for running them.
32. Direct all police stations to keep spare batteries for VHF.
33. Looking at the onset of emergency and after making quick preparations, convene Emergency meeting of important official and non-official agencies. Give them clear instructions.
34. Make a duty roster of officials.

B. 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
District Control Room	<ul style="list-style-type: none"> • Deployment of Police/Fire Brigade for search and rescue. • Co-ordination with the NCC/NSS/Civil Defense/Rajya Sainik Board etc. for rescue operation. • Ensure availability of the rescue materials. • Prepare inventory of shelter places and map indicating the shelter Centers. • Provide & arrange Rescue kit at risk areas 	<p>Arrangement of Power Boats and Rescue Kits and equipments.</p> <p>Deployment of Army / Fire Brigade / Police Personnel and Trained Volunteers in the strategic points.</p> <p>Deployment of Senior officers of district to organize rescue operation.</p>	<ul style="list-style-type: none"> • Search group go around to search and rescue left over or trapped people on the affected areas. • Provision of shelters for the victims. • Provide medical help, if needed, and help them reach nearest hospital • Record keeping and information dissemination Control Room. 	<ul style="list-style-type: none"> • Help the people return to their original places / arrange temporary shelters.

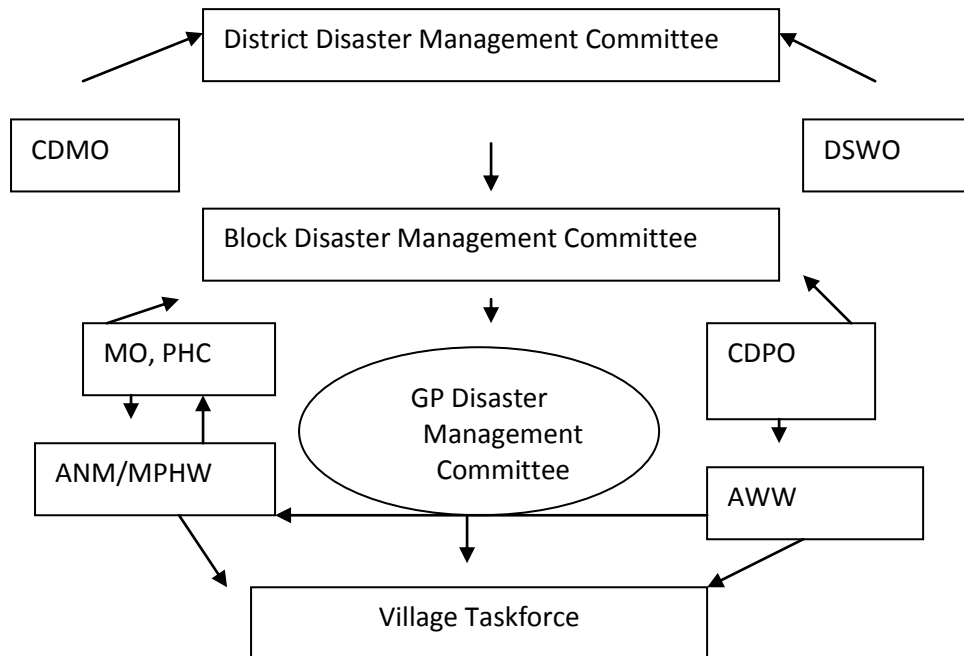
Police	<ul style="list-style-type: none"> • Ensure functioning of the warning system. • Formation of team • Delegation of areas • Formation of zones/Sub-Zones 	<ul style="list-style-type: none"> • Deployment of police staff at risk point • Arrangement for the safety of property of the people. • Arrange rescue kits. • Support Block staff and volunteers during evacuation operation • Assist fire brigade personnel in their efforts • Maintain law and order situation 	<ul style="list-style-type: none"> • Deployment of police staff at risk point • Arrangement for the safety of property of the people. • Arrange rescue kits. • Support Block staff and volunteers during evacuation operation • Assist fire brigade personnel in their efforts • Maintain law and order situation 	<ul style="list-style-type: none"> • Support District/Block officials and volunteers during search and rescue operation • Assist fire brigade personnel in their efforts • Maintain law and order situation
MVI	Identify and take stalk of the vehicles present with corresponding owners	Meeting with the owners of the vehicles	Provide required vehicles to the block functionaries	Provide vehicle

Fire Brigade	<p>Take stock of all the equipments (boats, motors, life jackets , crane etc) needed during the disaster and prepare for a mock drill.</p>	<p>Divide into teams in coordination with the Dist. admn. along with police, CD(Home) vol. and get ready for</p>	<ul style="list-style-type: none"> •Deployment of fire officials at risk point •Arrangement for the safety of property of the people. •Arrange rescue kits. •Support admn officials and volunteers during evacuation operation •Assist police , CD home personnel in their efforts 	<ul style="list-style-type: none"> • Support District/Block officials and volunteers during search and rescue operation • Assist police/ CD home vol. personnel in their efforts • Maintain law and order situation
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Revenue	<ul style="list-style-type: none"> • Holding of natural calamity meeting in the month of May and October. • Joint inspection • Formation of Zones/Sub-Zones • Review progress 	<ul style="list-style-type: none"> • Deployment of Sub-collectors/ Tahasildars/ RIs and other supporting staffs to assist in rescue operation • Propagation for evacuation • Arrange rescue kits 	<ul style="list-style-type: none"> • Search group go around to rescue the left over people in the risk areas • Arrangement of boats and transports for the web are stranded in collaboration with block administration / police/ fire brigade/ volunteers • Reporting casualties/ missing persons • Maintenance of law and order being local magistrate 	<ul style="list-style-type: none"> • Assist police/ CD home vol. personnel in their efforts • Maintain law and order situation
Medical	<ul style="list-style-type: none"> • List out the staff with contact address • Stock position of the sub-center and PHC/AWCs 	<ul style="list-style-type: none"> • Arrangement of medical help for the rescued /injured persons 	<ul style="list-style-type: none"> • Coordination with search & rescue team of medical help for the rescued /injured persons 	<ul style="list-style-type: none"> • Coordination with search & rescue team of medical help for the rescued /injured persons

<p>Saline and Embankment / PWD/ RD</p>	<ul style="list-style-type: none"> • Holding of natural calamity meeting in the month of May and October • Awareness generation • Formation of Zones/Sub-zones 	<ul style="list-style-type: none"> • Coordination with Search & rescue team in for rescue & guarding of vulnerable pockets 	<ul style="list-style-type: none"> • Coordination with Search & rescue team in for rescue & guarding of vulnerable pockets 	<ul style="list-style-type: none"> • Coordination with Search & rescue team in for rescue & guarding of vulnerable pockets
<p>NGO/ Volunteer</p>	<ul style="list-style-type: none"> • IEC activities on disaster management • Community mobilization • Ensure regular meeting of NGO co-ordination cell • Disseminate all government aided programme to the community • Ensure regular mock drill • Ensure regular bleaching / use of disinfectants in the drinking water sources • Organize workshops seminar meeting/training on community based disaster management 	<ul style="list-style-type: none"> • Assist District/Block Administration in arranging Power Boats, Country Boats and Rescue Kits and equipments. • Deployment of Trained Volunteers in the strategic points. • Assist District/Block Administration and field officials to organize rescue operation 	<ul style="list-style-type: none"> • Search group go around to search and rescue left over or trapped people on the affected areas. • Provision of shelters for the victims. • Provide medical help, if needed, transport to nearby health centres • Record keeping and information dissemination to district /Block Control Room. 	<ul style="list-style-type: none"> • Coordination with search & rescue team of medical help for the rescued /injured persons

First aid & Health Services



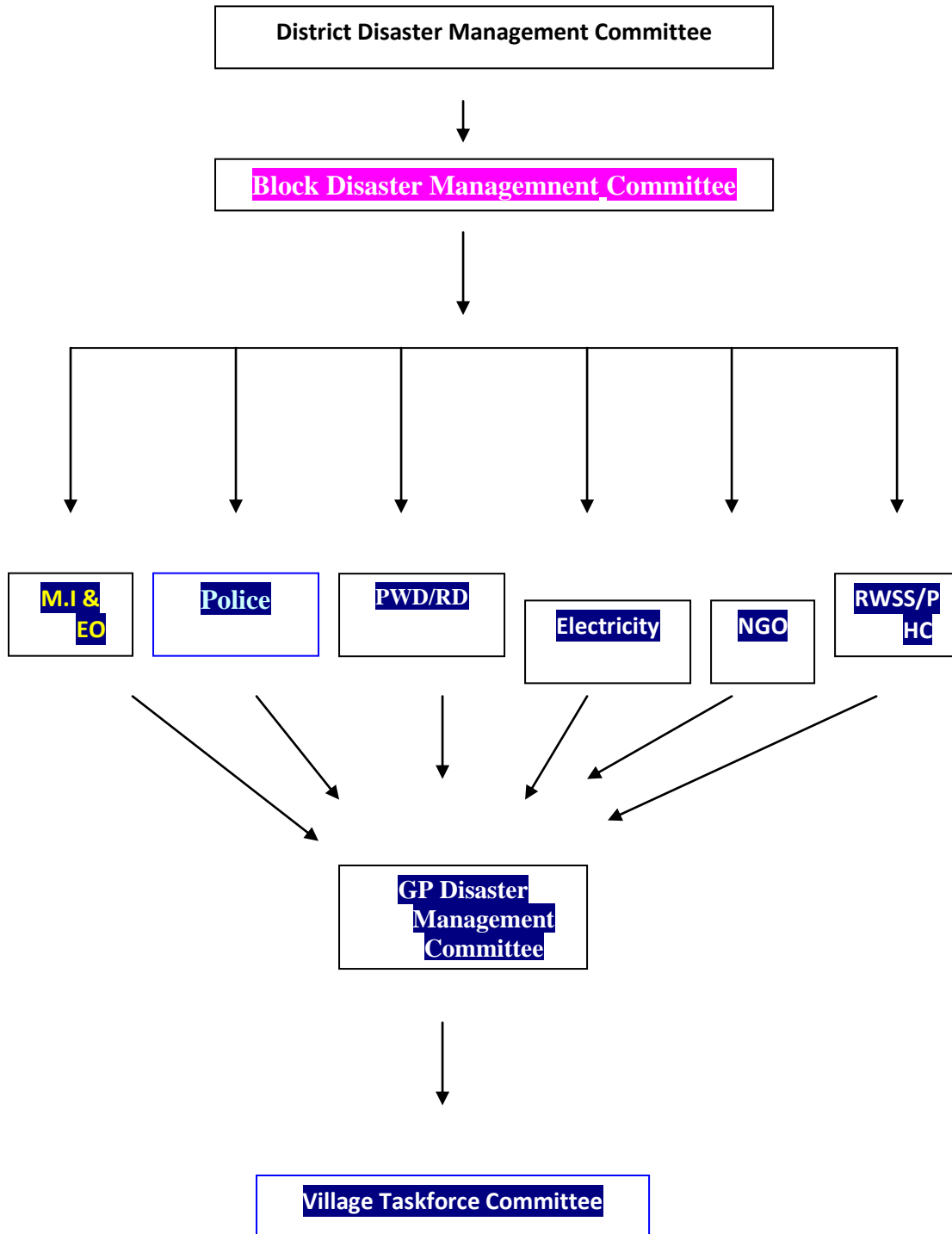
Departments	C: Medical Aid - Response System			
	Preparedness	Pre (after warning)	During	Post
CDMO	<ul style="list-style-type: none"> • Deployment of Medical staff • Stock pilling of Life saving drugs/ORS packets/Halogen tablets. • Treatment and Transportation of the injured • Public Awareness to stop the outbreak of epidemics. • Disease surveillance and transmission of reports to the higher authorities on a daily basis. • Vaccination • Constitute mobile teams and regular visit to the worst affected areas. • Dis-infection of Drinking water sources. • Identification of site operation camps. • To obtain/transmit information on natural calamities to District Control Room. • Advance inoculation programme in the flood/Cyclone prone areas. • Arrangement of fodder/medicines for the animals • Vaccination, Cite operation camps, Carcasses disposal 	<ul style="list-style-type: none"> • Deployment of staffs in their respective areas with medicines. • Check the stock and collect the required stock from district office • Arrange emergency room ready with all equipments and staff • Delegation of duty at PHC for 24 hours services • Meeting with the volunteers/ ANM/AWW and distribution of work as per the need 	<ul style="list-style-type: none"> • Deployment of staffs in the cut off areas with medicine. • Check the stock and collect the required stock from district office. • Delegation of duty at PHC for 24 hours services • Meeting with the volunteers and distribution of work as per the need 	<ul style="list-style-type: none"> • Co-ordination deployment of outside medical/ Paramedical staff and members of NGOs/ INGOs charitable organizations • Check the stock and collect the required from district office. • Arrangemen t of medical help for the needy. • Treatment of emergency cases and provision will be made to transfer the acute cases to V.S.S Medical college,Burla if necessary

District Administration	<ul style="list-style-type: none"> • Coordinate with CDMO, Health department to carry out the preparedness as cited above 	Deployment of senior officials to coordinate		
NGO/ Volunteers	<ul style="list-style-type: none"> • IEC activities on disaster management • Community mobilization • Ensure regular meeting of NGO co-ordination cell • Disseminate all government aided programme to the community • Ensure regular mock drill • Ensure regular bleaching / use of disinfectants in the drinking water sources • Organize workshops seminar meeting / training on community based disaster management • Long term mitigation strategies 	<ul style="list-style-type: none"> • Facilitate that Medical and Para Medical Staffs are available in their respective villages. • Ensure status of medicine stock 	<ul style="list-style-type: none"> • Provide information of evacuees sheltered in different locations to the medical team. • Ensure medicines are reached to the affected areas with the help of volunteers. • Ensure proper treatment of the victims or injured. • Facilitate Charitable Organizations work hand in hand with UPHC Medical Team. • Arrange transport both road and water ways to the outside medical team and volunteers, if required • Record keeping 	<ul style="list-style-type: none"> • Facilitate and Co-ordinate village task forces / CBOs Institutions reach the spot without any bottlenecks. • Record keeping. • Inform PHC to take immediate action and seek the support of District Administration if any epidemic is noticed

D. Carcass/Dead bodies disposal

Departments	Preparedness	Pre (after warning)	During	Post
CDVO	<ul style="list-style-type: none"> Ensure the stock of salt, kerosene, thin cloth, bleaching powder and other necessary materials required 	<ul style="list-style-type: none"> Ensure the stock of salt, kerosene, thin cloth, bleaching powder and other necessary materials required 	<ul style="list-style-type: none"> Carry out the carcass disposal along with the local volunteers 	<ul style="list-style-type: none"> Provide salt to the District/ Block/ NGO/GP volunteers *.Registration of deaths and issuing of death certificates
District/ Block/Gram Panchayat and NGO	<ul style="list-style-type: none"> Train volunteers in District, Block , GP & Village level 	<ul style="list-style-type: none"> Ensure the volunteers are prepared for the work 	Mobilise the volunteers	<ul style="list-style-type: none"> Mobilise the volunteers Disposal of carcass by burning or embedding

Shelter Management

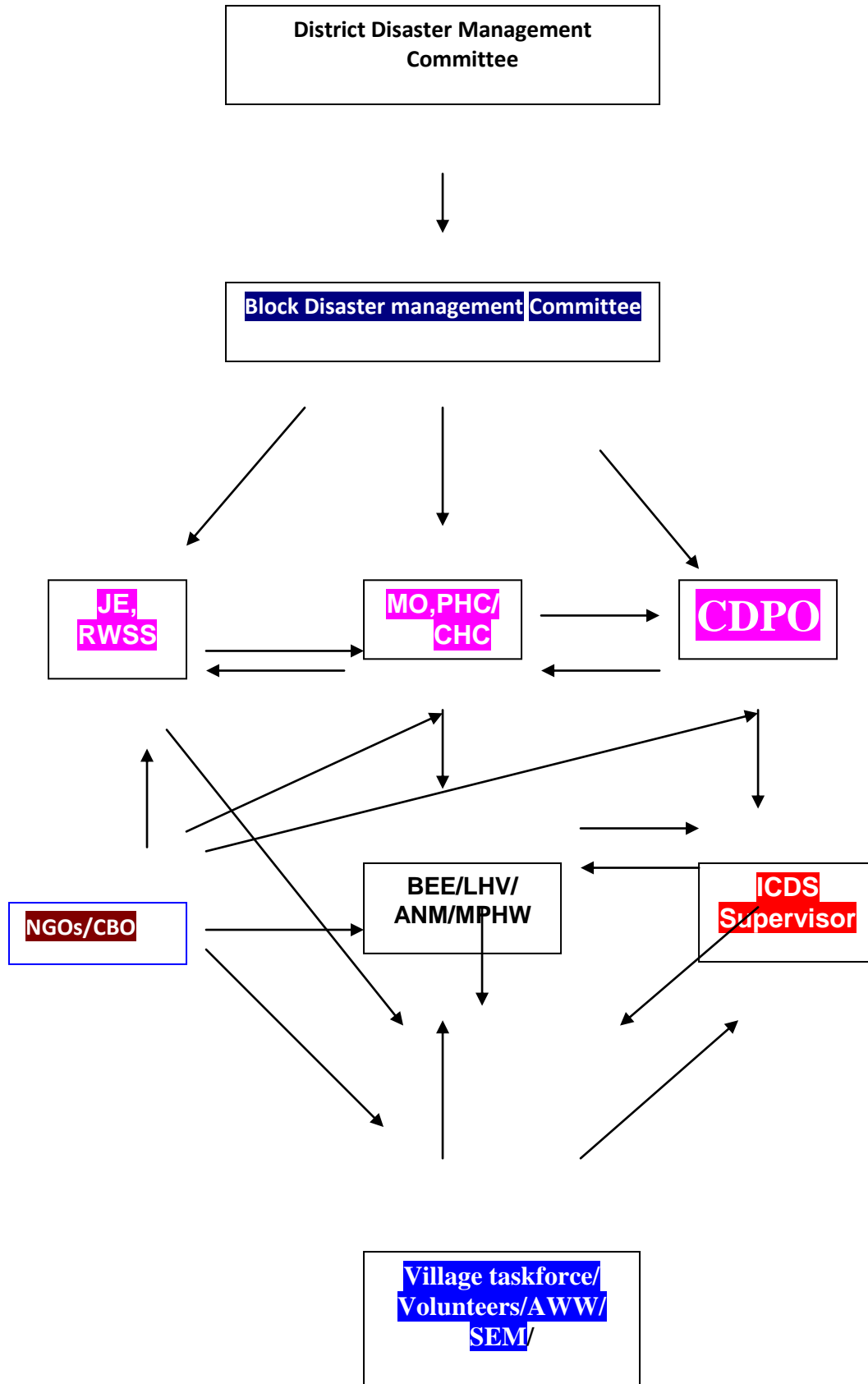


Sl.	Departments	E .Shelter Management - Response System			
		Preparedness	Pre (after Warning)	During	Post
1.	Dist Admin.	<ul style="list-style-type: none"> • Identification of Shelter/Temporary shelter in elevated places and arrangement of tents etc. • Arrangement of Food/Drinking water /Medicine in the shelter places. • Person's allocation for each shelter. • Arrangement of transportation • Arrangement for safe shelter for animals • Provision of electricity to the identified shelters 	<ul style="list-style-type: none"> ⇒ Arrangement of Food/Drinking water/Medicine in the shelter places. ⇒ Person's allocation for each shelter. ⇒ Arrangement of transportation ⇒ Arrangement for safe shelter for animals ⇒ Provision of electricity to the identified shelters ⇒ Deployment of Police Personnel ⇒ Temporary supply of safe drinking water 	<ul style="list-style-type: none"> • Make arrangement not to allow any body to go out side • Maintain record of every activities • Sharing of information about the weather conditions • Supply of dry food & water • Keep environment clean • Provide fodder & water to the animals 	<ul style="list-style-type: none"> • Free kitchen for all • Distribute relief at the shelter and keep record • Replenish food as per the bens • Help evacuees to go to their houses • Clean safe place
2.	Police	<ul style="list-style-type: none"> • Ensure functioning of the warning system. • Formation of team • Delegation of areas • Formation of zones/Sub-Zones 	<ul style="list-style-type: none"> • Deployment of police staff at risk point • Arrangement for the safety of property of the people • Arrange rescue kits • Support staff and volunteers during evacuation operation • Assist fire brigade personnel in their efforts • Maintain law and order situation 	<ul style="list-style-type: none"> • Deploy Constables/ Home Guards to different flood/ cyclone shelters • Maintenance of law and order • Arrangement of police personnel for the safeguard of the shifted marooned families 	<ul style="list-style-type: none"> • Arrangement of police personnel for safeguard of the members of the shifted family

3.	Electricity	<ul style="list-style-type: none"> • Regular identification of faults • Regular checking and repair of weak points/Transformers • Stockpiling of equipments/ accessories 	<ul style="list-style-type: none"> • Arrangement of uninterrupted power supply at the temporary shelters 	<ul style="list-style-type: none"> • Arrangement of uninterrupted power supply at the temporary shelters 	<ul style="list-style-type: none"> • Restoration of power supply at all the shelters
4.	RWS&S	<ul style="list-style-type: none"> • Installation of tube-wells • Site visit and report preparation • Awareness generation for using bleaching • Helping BDO during emergency • Supply of drinking water during emergency • Site selection and water test in Pallasuni (BBSR) • Collection and storing of K-018H2s test stripe, bottle, bleaching, halogen tablets, tube well accessories • Area wise deployment of staff, fitter, Mason, APD 	<ul style="list-style-type: none"> • Installation of emergency tube-well/tankers near the shelter sites • Bleaching/disinfections of drinking water sources • Supply of halogen tablets 	<ul style="list-style-type: none"> • Supply of drinking water • Supply of poly pack containing safe drinking water • Distribution of halogen tablets • Informing community particularly the evacuees regarding use of safe drinking water 	<ul style="list-style-type: none"> • Withdrawal of temporary tube-well installed near shelter sites • Use of bleaching powder
5.	Medical	<ul style="list-style-type: none"> • List out the staff with contact address • Stock position of the sub-center and PHC/AWCs • Prepare the plan and indent for stock • Train Paramedical staff/ ANMs / male health workers / volunteers/task forces/ Anganwadi workers for use and providing minimum health services to the community. 	<ul style="list-style-type: none"> • Provision of medicine and deployment of Para medical staff • Provision of medical help to the needy • Provision of Halogen Tablets and use of Disinfectants for the temporary latrines 	<ul style="list-style-type: none"> • Provision of medicine and deployment of Para medical staff • Provision of medical help to the needy 	<ul style="list-style-type: none"> • Take Precautionary measures to avoid any outbreak of epidemic

6.	PWD& RD	<ul style="list-style-type: none"> • Identification of weak-points • Repair of weak roads/structures/canals before hazard season • Stockpiling of building material • Arrangement of equipments for road clearance 	<ul style="list-style-type: none"> • Repair of approach roads/ structures/ canals leading to shelters • Stalk piling of building materials 		<ul style="list-style-type: none"> • Damage assessment and report preliminary Repairing of affected/ damaged government building structure • Clearance of debris to reinstall communication
8.	NGO/ Volunteers	<ul style="list-style-type: none"> • IEC activities on disaster management • Community mobilization • Ensure regular meeting of NGO co-ordination cell • Disseminate all government aided programme to the community • Ensure regular mock drill • Ensure regular bleaching / use of disinfectants 	<ul style="list-style-type: none"> • Ensures opening of the identified flood shelters for the evacuees and hand over the shelter management charge DPC. • Arrange for temporary shelters, if required • Provision of temporary latrine and portable water source near the shelters. • Check rumours by facilitating DPC/ Task Force to disseminate information regarding weather conditions 	<ul style="list-style-type: none"> • Ensure proper management of flood shelters by DPC / Task Force • Keep daily situational / status report • Ensure registration of the evacuated people sheltered 	<ul style="list-style-type: none"> • Ensure people are back to their home • In case houses are fully collapsed/ swept away, arrange tents for temporary shelter for the victims

Health ,Water and Sanitation Response

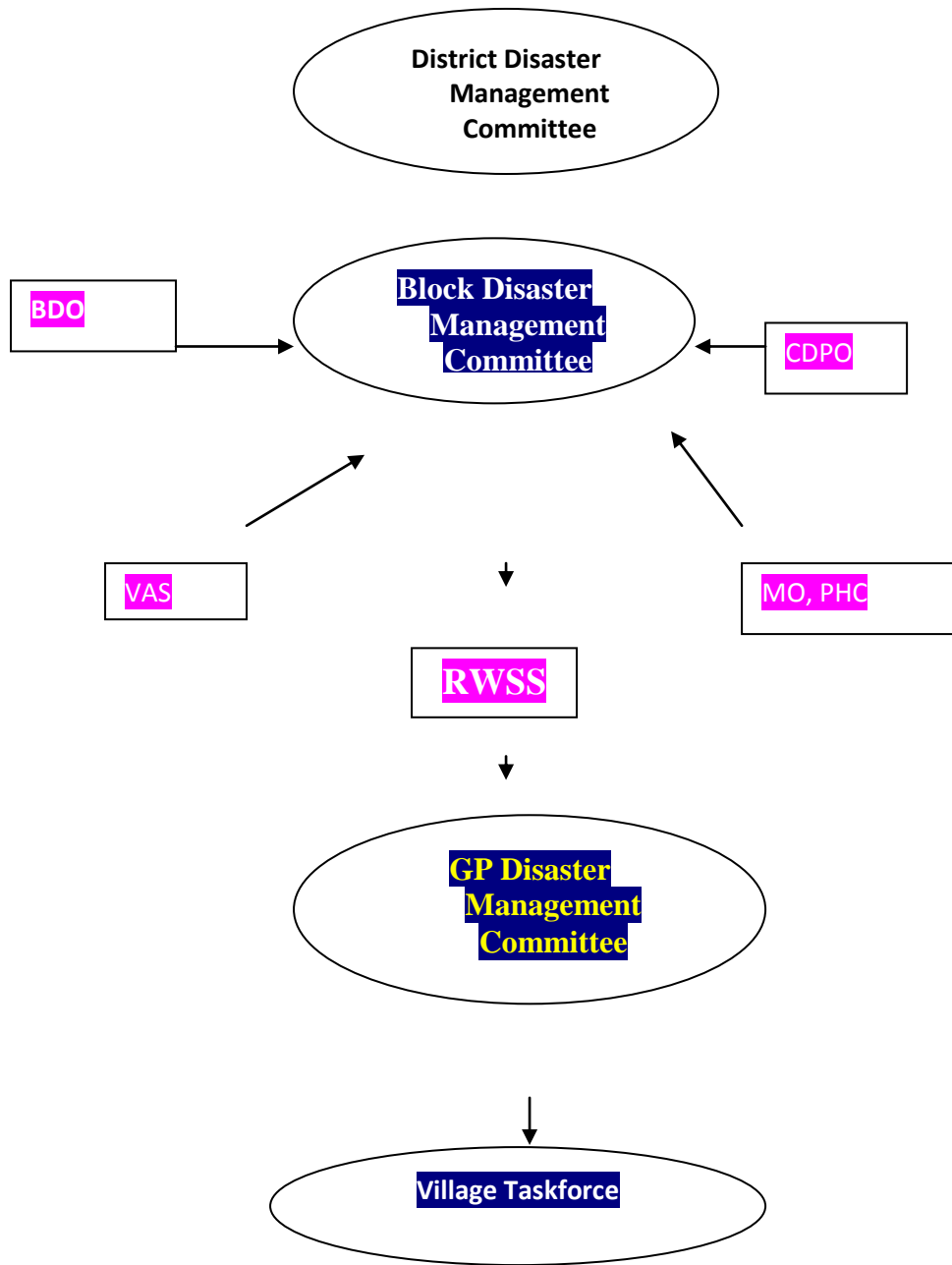


SI no	Departments	F.Health and Sanitation Response System			
		Preparedness	Pre (after Warning)	During	Post
1.	CDMO	<ul style="list-style-type: none"> List out the staff with contact address Stock position of the sub-center and PHC/AWCs Prepare the plan and indent for stock Train Para-medical staff/ ANMs / male health workers / volunteers/task forces/ Anganwadi workers for use and providing minimum health services to the community. Arrange for mobile health unit for inaccessible areas DDC at village level Health awareness campaign 	<ul style="list-style-type: none"> Disinfections of drinking water sources IEC activities regarding safe drinking water, disposal of human and animal wastes Check the stock and collect the required stock from district office Arrange emergency room ready with all equipments and Staff 	<ul style="list-style-type: none"> Deployment of medical & paramedical staff at the affected sites in the form of medical camps 	<ul style="list-style-type: none"> Disinfections of drinking water sources IEC activities regarding safe drinking water, disposal of human and animal wastes Check the stock and collect the required stock from district office Arrange emergency room ready with all equipments and Staff

2	Executive Engineer, RWS&S	<ul style="list-style-type: none"> • Installation of tube-wells • Site visit and report preparation • Awareness generation for using bleaching • Helping BDO during emergency • Supply of drinking water during emergency • Site selection and water test in Pallasuni (BBSR) 	<ul style="list-style-type: none"> • Lab-testing of drinking water if necessary • Bleaching of drinking water sources • Aware community regarding to use safe drinking water 	<ul style="list-style-type: none"> • Lab-testing of drinking water if necessary • Sticking red and green stickers respectively for the polluted and safe drinking water sources especially tube wells • Bleaching of drinking water sources 	<ul style="list-style-type: none"> • Checking/working/repairing of tube-wells to put it back to its normal condition
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3	NGO/ Volunteers	<ul style="list-style-type: none"> • IEC activities on disaster management • Community mobilization • Ensure regular meeting of NGO co-ordination cell • Disseminate all government aided programme to the community • Ensure regular mock drill • Ensure regular bleaching / use of disinfectants in the drinking water sources • Organize workshops seminar meeting/training on community based disaster management • Long term mitigation strategies 	<ul style="list-style-type: none"> • IEC activities on disaster management • Community mobilization • Ensure regular meeting of NGO co-ordination cell • Disseminate all government aided programme to the community • Ensure regular mock drill • Ensure regular bleaching / use of disinfectants in the drinking water sources 	<ul style="list-style-type: none"> • Community mobilization • Disseminate all government aided programme to the community • Help the community for taking precaution needed for drinking pure drinking water and proper health & sanitation measures. 	<ul style="list-style-type: none"> • Disinfections of drinking water sources taking steps to check any possibility of spreading any epidemics in the community
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Relief operation



S No	Departments	G.Relief Operation - Response			
		Preparedness	Pre (after Warning)	During	Post
1.	Dist. Admin.	<p>⇒Deployment of vehicles</p> <p>⇒Procurement and transportation of Relief materials to affected pockets/areas / people</p> <p>⇒Arrangement of free kitchen in the shelter camps & affected areas.</p> <p>⇒Assigning of free kitchen in the shelter camps affected areas.</p> <p>⇒Assigning responsibilities to officials for distribution of emergent relief/running of free kitchen.</p> <p>⇒Coordinating with the civil society organizations/ PSUs and UN agencies for continued relief operation</p> <p>⇒Monitoring</p>	<p>Assessment of Block wise/GP & village wise requirement of emergent relief in view of population (adult / children) and parameters of ORC and block's requirement .</p> <p>Identification of district level & block level officers to remain in charge of storage godowns / transportation and distribution of emergent relief .</p> <ul style="list-style-type: none"> • Ceasing of foods stuff and other essential items available in Cuttack Malgodown • Make requisition of transport vehicles and county boats for supply of relief items. • Purchase, organize or mobilize emergent relief and stockpiling of emergent relief in the remote st areas to be co-ordinated with Tahsildars/Sub-collectors/BDOs 	<ul style="list-style-type: none"> • Arrangement / requisition of Police/ Para-military / Home guards / CRPF Jawans to protect and facilitate uninterrupted relief supply and distribution • Liaison with INGOs / NGOs/ OSDMA/SRC to mobilize relief items and enlisting of their relief measures. • Grant emergency relief to all the marooned people and organize relief camps . • Organize free kitchen centers in the distressed areas with the support of Sub-Collector, BDMC , GPDMC & NGOs for the marooned people . • Provision of basic amenities like drinking water , sanitation and public 	<ul style="list-style-type: none"> • Declaration of the area affected by flood. • Closer of Govt. relief work , as per the ORC & SRC • Facilitate INGOs / NGOs and / or private individuals to continue relief operations of their own. • Daily situation rreport to Govt. . • Keeping record of damages done to home , individual person, dead and missing persons and assist Tahasildar to pay legitimate compensation • Opening of PDS outlets to start their normal activities and also ensure

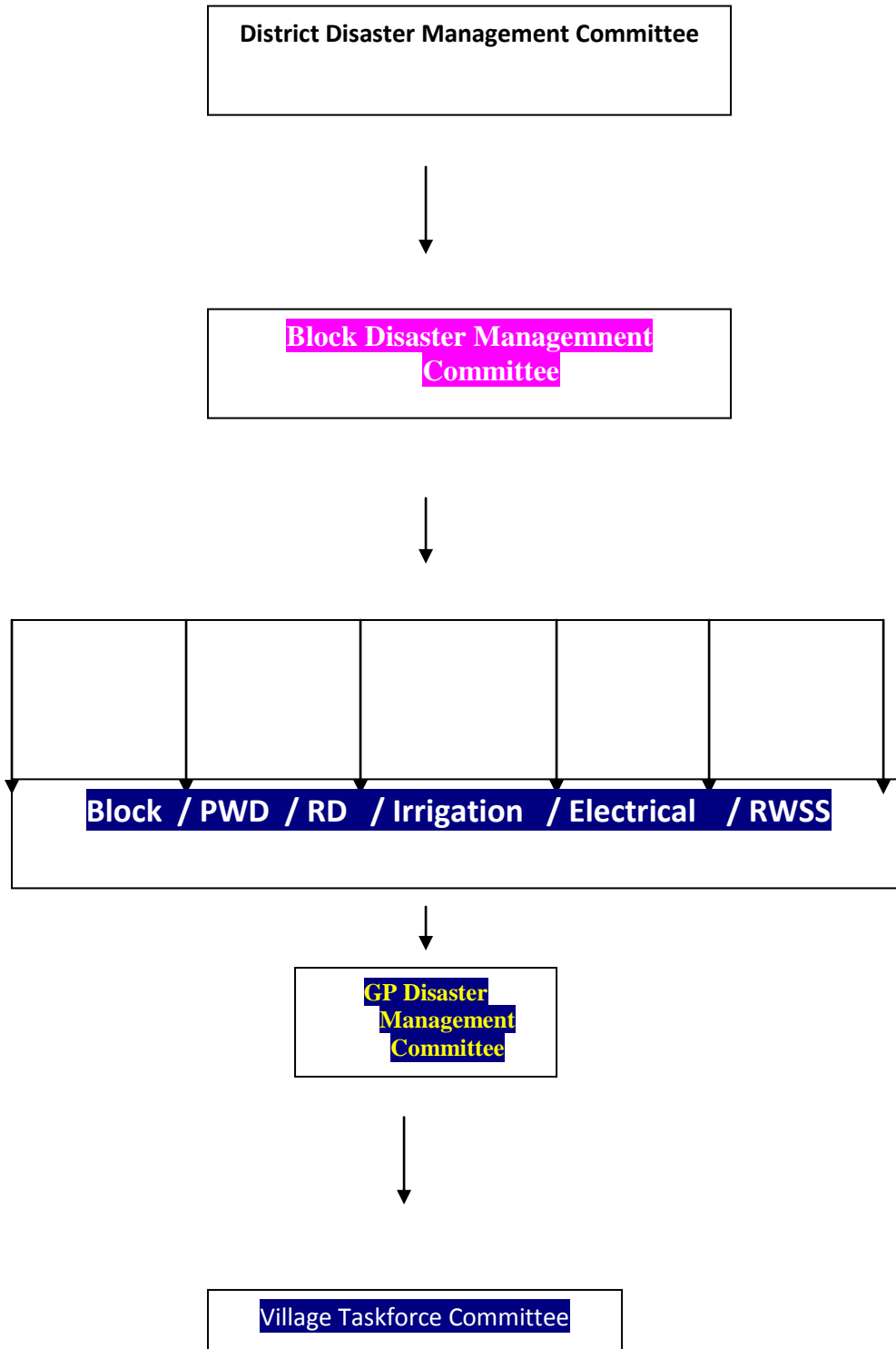
			<ul style="list-style-type: none"> • Stock piling of fodder in the risk prone areas to be coordinated with CDVO. • Ensure stock piling of tents, medicines, kerosene oil in the strategic points. • Collector will remain in charge of all relief operation 	<p>health care.</p> <ul style="list-style-type: none"> • Sub-Collector/ Tahsildar/BDO to arrange for documentation / record of relief items received from various agencies / stockpiled / supplied remaining balance etc., and report to Dist admn • Making necessary arrangement or seek the help of state Govt. to organize Air Dropping in flood pockets for the marooned villages , flood shelters . • Organise cattle camps , if necessary , provide veterinary care , fodder and cattle feed to the affected animals. • A card system according to the number of families / persons should be introduced for smooth operation of relief • Submission of daily situation reports to Govt. and disseminate to mass 	<p>that no malpractice is done by the trades , taking advantage of the prevailing situation .</p> <ul style="list-style-type: none"> • Facilitate food for work programme by GO and NGOs. • Commencement of agricultural activities , desiltation , re sowing etc. • Encourage NGOs to go for agriculture rehabilitation programme . • Organise health programme both for people and animals by INGOs / NGOs / Charitable Organisations • Meeting with all stake holders and taking note of the lessons learnt as a reference for making future development in
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				<p>media to avoid confusion and rumors.</p> <ul style="list-style-type: none"> • If necessary, labourers may be hired to make off / on load relief items. • Facilitate visits of VIPs in the flood-affected areas. 	<p>the District disaster Management Plan.</p>
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2.	CDMO	<ul style="list-style-type: none"> • List out the staff with contact address • Stock position of the sub-center and PHC/AWCs • Prepare the plan and indent for stock 	<ul style="list-style-type: none"> • Stock pilling of medicines /disinfectants in the risk prone areas • Maintenance of Stock Register 	<ul style="list-style-type: none"> • Provision of temporary medical relief Centers • Distribution of medicines and halogen tablets • Treatment of the victims and daily report to PHC control room 	Stop the relief activities
3.	RWS&S	<ul style="list-style-type: none"> • Installation of tube-wells • Site visit and report preparation • Awareness generation for using bleaching • Helping BDO during emergency • Supply of drinking water during emergency • Site selection and water test in Pallasuni (BBSR) • Collection and storing of K-018H2s test stripe, bottle, bleaching, halogen tablets, tube well accessories 	<ul style="list-style-type: none"> • Supply of drinking water • Supply of poly pack containing safe drinking water • Distribution of halogen tablets • Informing community particularly the evacuees regarding use of safe drinking water 	<ul style="list-style-type: none"> • Supply safe drinking water in the poly packs to people • Distribution of halogen tablets • Informing community particularly the evacuees regarding use of safe drinking water 	<ul style="list-style-type: none"> • Supply safe drinking water to people • Distribution of halogen tablets

4.	NGO/ Volunteer	<ul style="list-style-type: none"> • IEC activities on disaster management • Community mobilization • Ensure regular meeting of NGO co-ordination cell • Disseminate all government aided programme to the community • Ensure regular mock drill 	<ul style="list-style-type: none"> • Assist government personnel in charge of storage Godowns / transportation and distribution of emergent relief. • Motivate communities to store food stuff and other essential items in safer places for the emergency period • Assist VAS in stock piling of fodder in the risk prone areas. • Ensure stock piling of tents, medicines, & kerosene oil 	<ul style="list-style-type: none"> • Assist government personnel in charge of storage Godowns / transportation and distribution of emergent relief. • Motivate communities to store food stuff and other essential items in safer places for the emergency period • Assist VAS in stock piling of fodder in the risk prone areas. • Ensure stock piling of tents, medicines, & kerosene oil 	<ul style="list-style-type: none"> • Organize or facilitate CBOs or private individuals to continue relief operations and/or free kitchen Centers. • Keeping record of damages done to home, individual person, dead and missing persons and assist Tahasildars to pay legitimate compensation. • Ensure that the traders, taking advantage of the prevailing situation, do no malpractice.
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Infrastructure Restoration



H. Infrastructure Restoration

Department	RD	Irrigation	Electrical	RWS&S
Preparedness	<ul style="list-style-type: none"> • Identification of weak-points • Repair of weak roads/structures/canals before hazard season • Stockpiling of building material • Arrangement of equipments for road clearance 	<ul style="list-style-type: none"> • Holding of natural calamity meeting in the month of May and October • Awareness generation • Formation of Zones/Sub-zones • Review progress • Provision/arrangement of sand bags in risk prone area • Equipments to be ready • Formation of team • Arrangement of vehicle • Delegation of areas 	<ul style="list-style-type: none"> • Regular identification of faults • Regular checking and repair of weak points/Transformers • Stockpiling of equipments/accessories • Skill development training/orientation • Precautions/protectio ns near high voltage electric equipments installed • Stopping illegal consumption of electricity 	<ul style="list-style-type: none"> • Installation of tube-wells • Site visit and report preparation • Awareness generation for using bleaching • Helping BDO during emergency • Supply of drinking water during emergency • Site selection and water test in Pallasuni (BBSR)
Pre (after warning)	<ul style="list-style-type: none"> • Retrofitting and repairing of weak government buildings/structures • Repairing of road network 	<ul style="list-style-type: none"> • Guarding vulnerable roads and embankments • Repairing piping and seepages found in vulnerable points. • Arrangement of materials for repair of roads and breaches in the embankment for post disaster operation 	<ul style="list-style-type: none"> • Replacement of weak electric poles/wires • Checking and correcting private connections • Stockpiling of necessary equipments and accessories 	<ul style="list-style-type: none"> • Checking, repairing and construction of tube-wells • Stock pilling of accessories

During		<ul style="list-style-type: none"> • Guarding vulnerable roads and embankments • Repairing piping and seepages found in vulnerable points. <p>Arrangement of materials for repair of roads and breaches in the embankment for post disaster operation</p>		
Post	<ul style="list-style-type: none"> • Damage assessment and report preparation • Repairing of affected/damaged government building structure • Clearance of debris to reinstall communication 		<ul style="list-style-type: none"> • Uninterrupted power supply to the Medical/Block Office and other Important institutes • Damage assessment and transmission of the same to higher authorities • Quick installation/repair of damaged infrastructures 	<ul style="list-style-type: none"> • Checking/washing/repairing of tube-wells to put it back to its normal condition

CHECK LIST

Check List for Control Room

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

CHECKLIST FOR VARIOUS DEPARTMENT

Collector and District Magistrate:

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ Vulnerable and risk assessment map ▪ Cut off areas with safe route map ▪ Storing facilities ▪ List of dealers for food ▪ List of volunteers ▪ Control room set up ▪ Boat and transportation for rescue ▪ Transportation for food supply ▪ Pre-positioning of staff ▪ Site operation centers/staff ▪ Evacuation and rescue of people ▪ Coordination and linkage ▪ Damage assessment ▪ Address and telephone list ▪ Alternative communication system ▪ Pulling resources from out side if required ▪ Having network with neighboring districts 	<ul style="list-style-type: none"> √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ 	<ul style="list-style-type: none"> √ √ √ √ √ 	<ul style="list-style-type: none"> √

Executive Engineer Irrigation

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ Stock piling of repair materials like sand, bags, bamboo at vulnerable points [Place name]etc. ▪ Provision of guarding of weak points ▪ List of volunteers ▪ Taking help of community for maintenance of the embankments ▪ Taking proper measures for protecting the weak points ▪ Co-ordinating with others 	√ √ √ √ √ √	√ √ √ √ √	√

District Agriculture Officer

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ List of different areas to be affected by different hazards ▪ Crop pattern with land holding ▪ List of irrigation points with status ▪ Alternative crop ▪ Trained for food preservation and protection ▪ Assessment of damage ▪ Provision of seeds and others ▪ Helping in raising of community nursery for seedling/sapling ▪ Crop insurance ▪ Generate seed bank/grain bank at village level ▪ Coordinating with others 	√ √ √ √ √ √ √ √ √		√ √ √

CDVO

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ Animal population with categories ▪ Possible problems related to different hazards ▪ Dealer of feeds/fodder ▪ List of cow sheds ▪ Site camps with volunteers ▪ Programme for mass vaccination ▪ Trained the taskforce to use of medicine ▪ Coordinating with others 	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓	

Executive Engineer (RD/PWD)

Activities	Pre Disaster	During Disaster	Post Disaster
<ul style="list-style-type: none"> ▪ Identification of weak points ▪ Repair the weak points before hazards season ▪ Stockpiling of building materials ▪ List of dealers for building materials ▪ Promotion/training of people on retrofitting/ resistance building ▪ Arrangement of equipment for road clearance 	✓ ✓ ✓ ✓ ✓ ✓		✓

Mock Drills Plans:

Time	Process	Responsible Person
½ Yearly (May & Oct.)	From District to Block followed by GP and Village	Collector, DEO,ADM, PD-DRDA, Sub-Collector, Tahasildar, BDO

Schedule for updating plans :

Plans	Updating Time
District Disasters Management Plan	½ Yearly (April & Sep)
Line Departments Disasters Management Plan	½ Yearly (April & Sep)

CONTINGENCY PLAN FOR HEAT-WAVE:-2016

Control Room is functioning in the Collectorate (Telephone No. 06622-220362/1077 toll free) round the clock with effect from 01.04.16 for Heat wave. Control rooms are also functioning in the offices of Sub-Collector/Tehsildars and other District Level Offices.

- All the Sarpanches have been authorized. for opening of 'JALACHHATRA' at public places out of grant available with them.
- Executive Engineer, RWSS have been instructed to repair the defunct tube wells of rural areas in a war footing basis and drinking water at scarcity pockets be made available through tankers and mobile vans.
- NAC has decided to open 'JALACHATRA' at strategic location of the urban areas. The Executive Officers of Municipality / NAC are instructed to open JALACHATRA at strategic places.
- N.G.Os are also requested to opening of "JALACHHATRA" at public places.

- C.D.M.O. has been instructed to take all possible steps for arrangement of sufficient Ice packs, Medicines ORS and Saline at all P.H.Cs and C.H.Cs of the District. The CDMO has issued specific instruction to all the MOs to remain present in the hospital from 11 AM to 4 PM positively. Blood slide of each Heat wave patient shall be examined. The CDMO in coordination with the DSWO and the CDPOs shall ensure availability of sufficient nos of ORS packets with Angawadi workers.
- District Labour Officer has been instructed to reschedule the Working hour of labourers.
- Timing in Educational Institutions is rescheduled to 6.30 A.M from 10.30 A.M as per guidelines issued by government.
- CDVO has been instructed to take all necessary arrangements for treatment of animals caused due to aftermath of heat wave.

CONTINGENCY PLAN FOR FLOOD:- 2016

FUNCTIONING OF CONTROL ROOM (Paragraph 10 & 47 of ORC)

Control Room is functioning in District Office with telephone No. 06622-220362 & 1077 round the clock with the effect from 1.06.2016 and the same will continue till 30.11.2016. Control Rooms are also functioning in the Offices of the Sub-Collectors/Tahasildars/Block Development Officers and in other District Level Officers.

WIRELESS STATION (Paragraph 55 of O.R.C)

All the Police Stations and Out-posts including Forest Dept. offices in the Dist equipped with VHF/HF will transmit the flood /cyclone messages.

DEPLOYMENT OF COUNTRY BOATS (Paragraph 55 of ORC)

As per the requirements country boats required to be deployed at different vulnerable and strategic places for eventual relief and rescue operation. Private country boats available locally at different places have to be identified by BDOs to be utilized on hire basis in case of emergency. Sub- collectors and Tahasildars have to make arrangements for deployment of country boats as per the requirement. The Tahasildars and the BDOs shall issue suitable instructions to all the ferry ghat lessee to keep their boats in readiness to be used at the time of emergency in the relief and rescue operation.

CRITERIA FOR VULNERABLE POINTS

- (1) Embankment at a specified reach/point having less free board i.e. less than 1,20 mtr. in case of Capital Embankment, other Agricultural Embankment -0.90 mtr. in case of Test Relief Embankment.

The river embankments have been divided into readiness and each breach has been kept in charge of an Assistant Engineer/ Junior Engineer.

RAIN RECORDING AND SUBMISSION OF RAINFALL REPORTS (Paragraph

49 of O.R.C.)

Rain recording stations are available in all the blocks of the district .. The Head Clerks of the Blocks are acting as Rain Recording Officers under the supervision of the respective Block Development Officers.

The rainfall reports from each rain recording station shall be transmitted to the District Control Room daily through V.H.F./Telephone/Messenger.

DISSEMINATION OF WEATHER REPORTS , FLOOD BULLETIN

ETC. (Paragraph 52 OF O.R.C.)

Immediately on receipt of weather warnings and bulletin above high flood from the Metrological Center of the Government of India at Bhubaneshwar or from the Revenue Department/ Special Relief Commissioner, the same shall be communicated to the superintendent of Police.

Executive Engineers of the Water Resources Department, the Sub-Collectors, Executive Officers of U.L.Bs., Tahasildars and Block Development Officer who shall without loss of time disseminate the messages among the people through their respective agencies and caution them so that they will be in readiness to shift to flood shelters or other safer places in the event of high floods. The people, will also be asked to refer to the special weather/flood bulletin of T.V./Radio during such periods.

FLOOD PRONE AREA IDENTIFIED.

The block wise the flood prone area has been identified as mentioned below.

Name of Block	Name of GP	Name of Village	Source of Flood.
Sadar, Sundargarh	Municipality	Mahadebpara	River IB
		Mohantypara	-do-
		Ghasiapara	-do-
		Ranibagicha	-do-
	Lankahuda	Kopsingha	-do-
		Semina	-do-
		Brahmanipali	-do-
		Lankahuda	-do-
	Kundukela	Kaintara	-do-
		Kainsara	-do-
Bhasma	Bhasma	-do-	
Tangarpali	Nialipali	Kiripsira	-do-
		Kurga	-do-
		Khamarbahal	-do-
	Jogimal	Bileigarh	-do-
	Remunda	Remunda	-do-
		Abankela	-do-
		Dambahal	-do-
		Nadisuguda	
	Ergapita.		
	Ujalpur	jhariapali	River Ichha
	Mangaspur	Renda	-do-
	Ratanpur	Ratanpur	-do-
Lemlema		-do-	
Balijori		-do-	
Subdega	Hamirpur	Malidihi	-do-
		Bhagapali	-do-
	Karamdihi	Katangidihi	-do-
	Rajpur	Kanika	-do-
		Dainidihi	-do-
Balisankara	Balisankara	Telijore	-do-
		Ghughar	-do-
	Kusumura	Kusumura	-do-
		Kaintara	-do-
	Karuabahal	Karuabahal	-do-
	Bandhbahal	Kinikibandh	-do-
		Sialijore	-do-
		Bankidihi	-do-
	Bandega	Kantabahal	-do-
Lephripara	Lephripara	Lephripara	-do-
	Giringkela	Satjoria	-do-
	Dumabahal	Beheramal	-do-
	Sarafgarh	Bichhuabahal	-do-
	Chhatenpali	Chhatenpali	-do-
		Didigajharan	-do-
		Bargadmal	-do-
	Sargipali	Sargipali	-do-
		Dhelsara	-do-
		Banjaribar	-do-
		Diamunda	-do-
Kutra	Tarkera	Tarkera	River Sankh
		Udurama	-do-
		Sahudmunda	-do-
Kuarmunda	Salangabahal	Kunmendra	-do-
		Sahajbahal	-do-
		Besalbhadi	-do-
		Salangabahal	-do-
	Dalki	Dalki	-do-
	Kumjharia	Besrapara	River Koel
	Kacharu	Bijubandh	-do-
		Sandalki	-do-

Nuagaon	Bagdega	Bankitola	-do-
		Jalanjhar	-do-
		Tangarpali	-do-
		Kairkela	-do-
	Khuntgaon	Samarta	-do-
		Mitkundri	-do-
		Luakera	-do-
Bisra	Bisra	Sukura	River Koel
		Ajaykela	-do-
		Theitheposh	-do-
		Sanbambua	-do-
		Masurikudar	-do-
	Rourkela Municipality	Luakera	-do-
Lathikata	Birkera	Dalakudar	River Brahmani
		Ramjodi	-do-
		Mitkhamjharan	-do-
		Baliam	-do-
		Chandijharan	-do-
		Manko	-do-
		Musapali	-do-
		Gailo	-do-
		Jadakudar	-do-
		Tumkela	-do-
Bonai	Kenaveta	Kantasara	-do-
		Kalosahi	-do-
	Kasada	Tendra	-do-
	Bonaigarh	Gilli	-do-
		Bonaikela	-do-
	Ruguda	Jangra	-do-
Lahunipara	Lahunipara	Tumkela	-do-
		Lahunipara	-do-
		Luthurbeda	-do-
		Kudapada	-do-
		Budheipali	-do-
		dolei	-do-
	Kuliposh	Kuliposh	-do-
		Kenapali	-do-
	Khuntgaon	Khuntgaon	-do-
		Puigaon	-do-
Gurundia	Jarda	Jarda	Sukha Nala
		Kansar	-do-
Koira	Koira	Koira (Basti Area)	Koira Nallah
		Orahury	-do-
	Bimalagarh	Fakirmunda	Kuradhi Nallah
		Bimalagarh	-do-
	Soyamba	Soyamba	Soyamba Nallah
		Mutuhanuman	-do-

STORAGE OF FOODSTUFF & OTHER ESSENTIAL COMMODITIES IN

INTERIOR AREAS (Paragraph 57 of O.R.C.)

To ensure that food grains/foodstuff are available in the interior areas which are likely to become inaccessible during flood, Civil Supplies Officer, Sundargarh has been reported to store adequate amount of rice, Kerosene at the vulnerable pockets of the District. Other dry foods like chuda, mudhi, gur, bread, milk powder and other necessities like candle, match box etc, will be arranged immediately for distribution among the marooned people in the event of high floods or cyclones.

Sl. No.	Name of the Block	Name of the GP	Name of the Village
1.	Tangarpali	Tangarpali	Rupabahal
2.	Rajgangpur	Jaraikela	Jaraikela
3.	Kuarmunda	Andali	Kunmendra Bhesalbeda
		Salngbahal	Salangbahal
4.	Lathikata	Bad Dalki	Rutukupedi Fikuduchundi
5.	Gurundia	Sole	sole
		Jarda	Jarda
		Pankdihi	Pankdihi

There is storage of relief materials like rice-Q.100.00 and kerosene oil 600 ltrs per village in the inaccessible pockets in each G.P. point

SELECTION OF FLOOD SHELTERS (Paragraph 60 of O.R.C.)

In the flood prone areas, buildings belonging to Government, educational institutions etc. have been selected for providing immediate shelter to the people on evacuation from the flood-affected areas. In case of an emergency, temporary flood shelters shall also be constructed with bamboos, tarpaulins etc.

ORGANISATION OF RELIEF PARTIES FOR RESCUE AND

RELIEF OPERATION (Paragraph 60 of O.R.C.)

In the event of floods, it will be necessary to rescue marooned people and distribute emergency relief to the people affected by the calamity. For smooth management of rescue and relief operation, the Sub-Collectors have been instructed

to constitute Relief Parties in advance indicating their area of jurisdiction. The employees of the local Government offices shall be included in such relief parties. NGOs will also be involved in the programmed.

ARRANGEMENTS FOR ARMY ASSISTANCE (Paragraph 61 & 69 of O.R.C.)

In case of severe and wide spread calamity, the assistance of army personnel may be necessary for relief and rescue operation. In such contingency, necessary arrangements shall be made to requisition the army to assist the civil authorities through Special Relief Commissioner / Government following the procedure laid down under Paragraph 61 and 69 of the Orissa Relief Code.

DISTRIBUTION OF DUTIES TO THE OFFICERS AT THE DISTRICT HEAD

QUARTERS

Under the direct supervision of Collector assisted by ADM & PD, DRDA centrally coordinates the whole relief and rescue operations.

Immediately on receipt of any natural calamity, from the Radio, News paper, message from the Metrological center/Revenue Department/Special Relief Commissioner or other reports, the Additional District Magistrates in charge of the respective Sub-Division will either proceed or contact the concerned officers and supervise the relief and rescue operation as the case may be.

The following officers at the Headquarters, immediately on receipt of information about any natural calamity will contact the District emergency Control Room and if necessary will attend the following duties:

1.	Collection and diversion of food-stuff and other relief materials for the affected areas	Civil Supplies Officer
2.	Requisition of vehicles	R.T.O/M.V.I
3.	Allocation of duty to vehicles and issue of P.O.L. and payment on advance if required	Emergency Officer
4	Allocation of areas to voluntary organizations for relief operation	A.D.M. /D.I.P.R.O./ D.S.W.O

5.	Collection and compilation of statistics and dispatch to proper quarters, control room and allied functions	District Emergency Officer
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Besides, other officers and staff will perform the duties as allocated by their respective officials for emergency duty.

DAILY REPORTING OF FLOOD SITUATION (Paragraph 71 of O.R.C)

As per Paragraph 71 of Orissa Relief Code instructions have been separately issued for submission of daily situation report by the Block Development Officer/Tahasildars in the prescribed format through wireless message from the date of occurrence of the flood till after 3 days of the abatement of flood. The VLWs and Extension Officers who will furnish the same to the Block Office by 12 O'clock everyday will collect the required flood information. Besides, other line department officers will also pass on the information relating to their department officers who will also pass on the information relating to their department to the respective Block Development Officers.

The Block Development Officers will compile and transmit the information as per the format of the daily situation report through the nearest police wireless/FAX by 1 P.M. to District Control Room.

TRANSPORT

In the event of any Natural Calamity, vehicles may be required for sending the relief parties and relief materials including foodstuff to the affected areas. The Regional Transport Officer will make requisition and provide such vehicles with the help of his enforcement staff as per the requirement.

DRINKING WATER (Paragraph 64 OF O.R.C.)

There are altogether 22831 tube wells running at different blocks of this District. EE R.W.S & S, sundargarh have already been requested to repair the defunct tube wells in a war-footing manner. Details of Tube Well position is in Chapter-II.

DISPOSAL OF DEAD BODIES (Paragraph 73 of ORC)

The dead bodies of human beings, if any, found in the flood-affected areas in case of high flood, shall ordinarily be handed over to their relatives and friends, if available, for cremation or burial. When there are no claimants for dead bodies, those shall be cremated/buried at the Government cost i.e. Health Department. Chief District Medical Officer, Sundargarh will issue necessary instructions to their officer and staff in the field in this regard.

Similarly, carcasses of cattle and other animals shall be buried by the Animal Resources Development Department. Chief District Veterinary Officer will issue necessary instruction in this regard.

ASSESSMENT OF DAMAGE (Paragraph 74 to 77 of O.R.C)

Damage caused by any Natural Calamity to the private and public properties and loss of life are assessed by the Revenue Agency. The Tehasildars are to collect such information with the help of his staff through the local enquiry. The Block Development Officers and the Extension Officers in this wok if necessary will assist them and officers may be specially deputed by the Collector to assist the Tahasildars in this work where there is large-scale damage. This report of damages would be submitted without delay. The other departments will similarly assess their losses and submit reports within the stipulated time.

RESTORATION OF COMMUNICATION AND POWER SUPPLY (Paragraph 86 of ORC)

In case of high floods, the communication and power supply to the affected areas are usually cut off. The respective departments will take immediate steps for restoration of the communication as well as power supply after abatement of flood.

LAW AND ORDER

In case of occurrence of any Natural Calamity, there is chance of law and order problems. Transportation and distribution of relief materials may require police protection.

The Superintendent of Police sundargarh/Rourkela will issue necessary instruction to all Inspectors/IICs/OICs of the District with a direction to maintain law and order in such eventuality and to render necessary assistance to the District/Sub-Divisional authorities for smooth management of relief and rescue operation.
