

BLOCK DISASTER MANAGEMENT PLAN (BDMP)



2023-24

R.UDAYAGIRI

**Prepared by : Block Disaster Management Coordination
Committee, R.Udayagiri
Panchayat Samiti R.Udayagiri, District: Gajapati
Submitted to District Disaster Management Authority , Gajapati
&
Odisha State Disaster Management Authority, OSDMA**



MESSAGE

I am extremely happy to present the Block Disaster Management Plan (BDMP) for the year 2023-2024 of R.Udayagiri block which has been updated with adding new information and data's on it as per prescribed formats. The plan aim and objective is to reduce potential loss of life and property in disasters as well as ensuring strong preparedness responses and recovery measuring to manage any disaster situation at R.Udayagiri block of Gajapati district. The plan has been prepared for strengthening awareness and involvement in the implementation disaster management of the said plans for quick response of the stakeholders in the event of disasters/hazards at block level. Disaster Management plan is not the responsibility of the institution only but all the stakeholders of Government institution and non-Government organizations.

Each and every part of the world faces variety of disasters from time to time. At any moment some part of the earth and its habitants are attacked with some kind of disasters, Gajapati District is a multi-hazard district. Time and again it is affected by flood, landslide, drought, bush fire cyclone Kashinagar block of Gajapati district also been witnessed to variety of disaster like – incessant flood, forest fire and landslides.

I do expresses my sincere thanks to all block officials, DDMA, Gajapati, for all their constant effort and support to update R.Udayagiri block disaster management plan . The BDMP has critically planned for inclusion of all aspects (response, recovery, capacity development, mitigation and management) chapter wise. There are other many important functions to be fulfilled during the occurrence of disasters to make a disaster management plan successful. After a long thought, team work has been created, where head-to-head responsibility has been decided. All the line departments have been given details of Resource Inventories, geographical conditions & skilled man power to manage possible disaster in R.Udayagiri block.

A handwritten signature in blue ink, consisting of a stylized 'R' followed by a long horizontal stroke.

Block Development Officer,
R.Udayagiri

CONTENT

SI No.	Chapters	Page No.
1	Appendix	1-5
2	Block at a glance	6-7
3	Overview of the Block	7-17
4	Hazard, Risk & Vulnerability Analysis(HRVA)	18-22
5	Resource & Capacity Analysis	23- 32
6	Preparedness Plan	33-35
7	Response Plan	36 -44
8	Rehabilitation & Reconstruction	45-48
9	Mitigation Plan	49-53
10	Annexure (Important Contact No & SOP)	

ABBREVIATION

AAO	Assistant Agriculture Officer
AWC	Anganwadi Center
ASHA	Accredited Social health Activists
ANM	Auxiliary nurse midwife
ADM	Additional District Magistrate
BAO -	Block Agriculture Officer
BPL	Below Property Line
BDMP	Block Disaster Management Plan
CBDM	Community Based Disaster Management
CBOs	Community Based Organizations
CDVO	Chief District Veterinary Officer
CHC	Community health center
CSCs	Community Service Centres
CC	Climate Change
DDMA	District Disaster Management Authority
DDMP	District Disaster Management Plan
DM	District Magistrate
DM	Disaster Management
DM ACT,2005	Management Act, 2005
DEOC	District Emergency Operations Centre
EO	Emergency Officer
GIS	Geographic Information System
GPDMP –	Gram Panchayat Disaster Management Plan
GOI -	Government of India
GPDMP –	Gram Panchayat Disaster Management Plan
VVRA	Hazard Vulnerability Risk Assessment
MIS	Management Information System
NCC	National Cadet Corps
NCDM	National Committee on Disaster Management
NDMA	National Disaster Management Authority
NDRF s	National Disaster Mitigation Resource Centers
NDRF	National Disaster Response Force
NSS	National Service Scheme
NYK	Nehru Yuva Kendra
NGOs	Non-Governmental Organizations
NBC	Nuclear, Biological and Chemical
PRIs	Panchayati Raj Institutions
PEO	Panchayat Executive Officer
PHC	Primary health center
OSDMA	Odisha State Disaster Management Authority

BLOCK AT A GLANCE

SI No.	Particulars	Unit (in Numbers)
1.	Gram Panchayat	17
2.	Revenue Village	211
3	RI Circle	6
4.	Police Station	2 (R.Udayagiri, Ramagiri)
5	Fire stations	1
6.	Railway Stations	NA
7	Community Health Centre (CHC)	1
8	Primary Health Centre (PHC)	2
9	Any other Govt./Pvt. Hospital	0
10.	Sub-Centre (SC)/ Health Wellness Centre	0
11.	Veterinary Hospital	2
12.	LI Point	NA
13.	Primary School	
14	Upper Primary School	
15	High School	11
16	Colleges	3
17	Other Govt./Pvt. Educational Institutions	NA
18	Residential Schools	NA
19	Multi-purpose Cyclone/Flood Shelter	NA
20	Child Care Institution	NA
21	Old Age Home	NA
22	Common Service Centre/E-Sahajoga Kendra	12

CHAPTER-I

Disaster refers to a significant disruption that hampers the functioning of a community or society. It entails extensive impacts on people, property, the economy, or the environment, surpassing the capacity of the affected community to manage using its own resources. Disasters can take various forms and profoundly disrupt communities, leading to significant consequences for individuals, property, businesses, and the environment. They often test a community's ability to cope.

Steps in Disaster Management

It is about organizing and managing resources to deal with emergencies. It includes being prepared, responding to the situation, and recovering from it in order to minimize the impact of disasters.

The three main steps:

1) **Pre-disaster management:** This phase focuses on taking action before a disaster occurs. The main purpose is to mitigate human loss. It involves developing information systems, mobilizing resources, assessing risks, issuing warnings through various communication channels, and ensuring the safe transportation of people to secure locations.

2) **Management during Disasters:** This phase is crucial and depends on the preparedness done in the pre-disaster phase. It involves taking quick action to help victims in disaster-prone areas, ensuring their safety by relocating them to secure areas, and providing essential needs like food, clothing, and healthcare.

3) **Post-disaster management:**
In this phase, the focus is on rebuilding and reconstructing the affected areas. The administration is responsible for providing assistance to affected people, including

employment or compensation.

Several Agencies are Involved in Disaster Management in India

- **National Disaster Management Authority (NDMA):** It is the apex body for disaster management in India, led by the Prime Minister. It supervises and controls the National Disaster Response Force (NDRF).
- **National Executive Committee (NEC):** It consists of high-profile ministers from the Indian government. The NEC is responsible for implementing the National Plan for Disaster Management as per the National Policy on Disaster Management.
- **State Disaster Management Authority (SDMA):** Each state has its own SDMA, headed by the Chief Minister. The SDMA works with a State Executive Committee (SEC) to assist in disaster management at the state level.
- **District Disaster Management Authority (DDMA):** The DDMA is led by the District Collector or equivalent authority and includes elected representatives from the local government. Its role is to ensure that guidelines from the NDMA and SDMA are followed at the district level.
- **Local Authorities:** Local authorities, such as Panchayati Raj Institutions, Municipalities, and Town Planning Authorities, are responsible for controlling and managing civic services in their respective areas.

1.1 Overview of the Block

R.Udayagiri block is one the CD (Community Development) block out of 7 blocks Gajapati district, It is located 60 k.m. from District Head Quarter i.e. [Paralakhemundi](#), longitude and latitude of block – is 19,16185 and Longitude is 84,144040 . According to Census 2011 information the sub-district code of R Udaygiri block is 03102. There are about 292 villages in R Udaygiri block. Most of the people from the village are dependent on farming and business for their livelihood.



(R.UDAYAGIRI BLOCK MAP,GAJAPATI DISTRICT)





(DISASTER MANAGEMENT MOCKDRILL AT R.UDAYAGIRI PREMISES)





1.3 Demographic Details:

Sl. No	Name of the GP	No of villages	Total Number of HH	Total Population
1	Abarsing	12	613	3153
2	Anagha	20	638	3261
3	Bastriguda	9	667	3154
4	Chhelagada	14	801	4352
5	Chheligada	12	1091	5396
6	Dabaraguda	11	397	2066
7	Mahendragada	21	1707	7975
8	Mangarajpur	16	817	3413
9	Parisala	7	476	2144
10	Purunapani	25	444	1922
11	R.Udayagiri	8	1225	5753
12	Ramagiri	2	727	3672
13	Randiva	8	553	2751
14	Sabrapalli	18	982	5096
15	Sialilati	35	772	4200
16	Subalada	11	585	2667
17	Tabarsing	21	735	3548
Total	17	250	13230	64523

Sources – Block administration

1.4 Rainfall (Annually)

Sl	Month	Normal Rainfall (in mm)	Actual Rainfall (in mm)		
			2021	2022	2023
1	January	—	—	—	—
2	February	—	—	—	—
3	March	—	—	—	—
4	April	—	—	—	—
5	May	—	—	—	—
6	June	—	161.4 mm	98.6 mm	101.2 mm

7	July	—	272.4 mm	168 mm	200.8 mm
8	August	—	103.2 mm	256 mm	344.4 mm
9	September	—	100.8 mm	375.2 mm	24.6 mm as on 12.09.22
10	October	—	291.6 mm	236.8 mm	
11	November	—	5.8 mm	60.5 mm	
12	December	—	—	—	

Sources – Block Administration

1.6 TOPOGRAPHY

1.6.1 Geographical Area (in Hect.):

Sl. No	Name of GP	Agricultural Land(Ha)			Grazing land (Ha)	Forest Land (Ha)	Others	Total area
		Low	Medium	High				
1	Abarsing	101.131	86.68368	52.97336	88.995	489.693	958.665	1778.141
2	Anagha	58.96	50.53716	30.88382	11.92	64.775	428.59	645.666
3	Bastringuda	193.947	166.2401	101.59116	208.195	739.314	1292.009	2701.296
4	Chhelagada	40.2788	34.52472	21.09844	61.169	65.596	1203.539	1426.206
5	Chheligada	266.549	228.4708	139.62102	139.187	339.257	3894.464	5007.549
6	Dabaraguda	163.394	140.0519	85.58726	167.141	165.93	3665.935	4388.039
7	Mahendragada	139.943	119.9509	73.30334	111.955	114.345	1805.375	2364.872
8	Mangarajpur	54.102	52.214	251.021	21.235	74.124	75.256	527.952
9	Parisala	100.125	152.812	92.134	25.123	120.236	125.235	615.665
10	Purunapani	47.012	102.738	102.236	65.254	35.121	65.234	417.595
11	R.Udayagiri	128.121	109.818	67.111	173.091	595.677	375.679	1449.497
12	Ramagiri	35.5396	30.46248	18.615	0.85	10.14	20.832	116.44

				96				
13	Randiva	44.5 498	38.185 56	23. 335 62	56.595	94.929	190.179	447.774
14	Sabrapalli	127. 551	109.32 95	66. 812 46	134.455	233.368	1386.098	2057.614
15	Sialilati	150. 673	129.14 86	78. 924 12	121.522	53.678	1916.254	2450.2
16	Subalada	128. 121	109.81 8	67. 111	67.405	10.284	2270.925	2653.664
17	Tabarsing	173. 325	156.81 8	82. 535	117.837	130.962	2477.646	3139.123

1.6.2 Land Holding Pattern: (No. of HH)

GP Name	Large Farmers	Marginal farmers	Small Farmers	Agricultural laborers/ Share Croppers	Landless	Total
Abarsing	0	109.83	413.17	0	0	523
Anagha	0	45.57	171.43	0	0	217
Bastriguda	0	103.74	390.26	0	0	494
Chhelagada	0	33.39	125.61	0	0	159
Chheligada	0	103.74	390.26	0	0	494
Dabaraguda	0	82.32	309.68	0	0	392
Mahendragada	0	5.25	19.75	0	0	25
Mangarajpur	0	61.32	230.68	0	0	292
Parisala	0	82.11	308.89	0	0	391
Purunapani	0	78.12	293.88	0	0	372
R.Udayagiri	0	42.63	160.37	0	0	203
Ramagiri	0	70.77	266.23	0	0	337
Randiva	0	12.81	48.19	0	0	61
Sabrapalli	0	18.69	70.31	0	0	89
Sialilati	0	32.55	122.45	0	0	155
Subalada	0	97.02	364.98	0	0	462
Tabarsing	0	80.85	304.15	0	0	385
Total						

1.6.3 Cropping Pattern:

Sl.No	Name of the GP	Type of Crops (Ravi/ /Kharif/ Zaid)	Area Cultivated (in Hect.)	Area under Crop insurance (in Hect.)
1	Abarsing	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	302	
2	Anagha	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	470	
3	Bastriguda	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	499	
4	Chhelagada	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	646	
5	Chheligada	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	386	
6	Dabaraguda	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	215	
7	Mahendragada	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	111	
8	Mangarajpur	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	333	
9	Parisala	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	462	
10	Purunapani	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	435	
11	R.Udayagiri	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	559	
12	Ramagiri	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	643	
13	Randiva	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	377	
14	Sabrapalli	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	413	
15	Sialilati	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	350	
16	Subalada	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	186	
17	Tabarsing	CEREALS,PULSES,OILSEEDS, VAGETABLES,SPICES	354	

1.6.4 Livelihood Details:

Name of the Block	Total house holds	Agricul ture	Wage labour	Horticulture	Fisherma n	Petty Busine ss	Others (specify)
R.Udayagiri	15171	7251	2500	1200	500	300	

Sources : Block administration

1.6.6 Housing Pattern (Updated data may be sourced from PMAY Cell)

Name of Gram Panchayat	Type of Houses			Total
	No. of Kuchha Houses	No. of Semi Pucca Houses	No. of Pucca Houses	
Abarsing	52	381	150	
Anagha	45	251	218	
Bastriguda	42	280	186	
Chhelagada	53	265	215	
Chheligada	24	315	257	
Dabaraguda	62	310	214	
Mahendragada	12	351	301	
Mangarajpur	36	286	217	
Parisala	34	258	158	
Purunapani	28	243	149	
R.Udayagiri	39	189	109	
Ramagiri	29	201	154	
Randiva	31	185	107	
Sabrapalli	38	194	149	
Sialilati	42	205	147	
Subalada	29	154	98	
Tabarsing	41	196	112	

Sources – PEO (Panchyat executive officers)

1.6.7 Drinking Water Sources

Name of the GP	Tube well	Over Head Tanks	PWS	Others
Abarsing	41	05	5	
Anagha	36	0	1	
Bastriguda	31	6	5	
Chhelagada	57	4	9	
Chheligada	49	2	5	
Dabaraguda	33	2	3	
Mahendragada	97	2	11	
Mangarajpur	38	2	6	
Parisala	24	4	3	
Purunapani	28	1	3	
R.Udayagiri	73	1	3	
Ramagiri	41	1	3	
Randiva	64	2	3	
Sabrapalli	68	05	8	

Sialilati	38	0	6	
Subalada	29	6	7	
Tabarsing	46	4	4	
TOTAL	793			

Sources – RWSS
1.6.8 Infrastructure

Sl.	Name of the GP	PDS Outlets	Post Offices	Police Station/	Pucca buildings	SDH/CHC	PHC	Dispensary	Cyclone/flood Shelters	Educationa I Institutions			Livestock centers	Cottage Industries	Industries	Godown	Bank	AWC	RI Office
										ME	High	College							
1	Abarsing	1	1	0					0				0	0					
2	Anagha	1	1	0					0				0	0					
3	Bastriguda	1	1	0					0				0	0					
4	Chhelagada	1	1	0					0				0	0					
5	Chheligada	1	1	0					0				0	0			1		
6	Dabaraguda	1	1	0					0				0	0					
7	Mahendragada	1	1	0					0				0	0			1		
8	Mangarajpur	1	1	0					0				0	0					
9	Parisala	1	1	0					0				0	0					
10	Purunapani	1	1	0					0				0	0					
11	R.Udayagiri	1	1	1		1			0				0	0			2		
12	Ramagiri	1	1	1					0				0	0			1		
13	Randiva	1	1	0					0				0	0					
14	Sabrapalli	1	1	0					0				0	0					
15	Sialilati	1	1	0					0				0	0					
16	Subalada	1	1	0					0				0	0					
17	Tabarsing	1	1	0					0				0	0					

Sources – Block administration

1.6.9 Industries: Not available in R.Udayagiri block

Name of the GP	Name of the Industries	Type of industry	Manpower employed	Infrastructure available	Chemicals used	Production
Abarsing	NA	NA				
Anagha	NA	NA				
Bastriguda	NA	NA				
Chhelagada	NA	NA				
Chheligada	NA	NA				
Dabaraguda	NA	NA				
Mahendragada	NA	NA				
Mangarajpur	NA	NA				
Parisala	NA	NA				
Purunapani	NA	NA				
R.Udayagiri	NA	NA				
Ramagiri	NA	NA				
Randiva	NA	NA				
Sabrapalli	NA	NA				
Sialilati	NA	NA				
Subalada	NA	NA				
Tabarsing	NA	NA				

Sources – PEO's of all GP

1.6.10 Financial Institutions (Banks):

Sl. No	Name of the GP	Name of the Bank	Contact person	Contact Number
01	R.Udayagiri	SBI, R.Udayagiri	Akshya Behera	9938619372
02	R.Udayagiri	PNB, Saralapadar		
03	Chheligada	UGB, Chheligada	Jagannath Mandal	9439778681
04	Mahendragada	SBI, Mahendragada		
05	Ramagiri	UGB, Ramagiri		

Sources – Block administration

1.6.11 Communication network-

Sl. No	Type of alternate communication	Name & Address of the Contact person	Telephone Number
1	VHF station		
2	HAM amateur radio stations	NA	
3	DMR Radio	NA	
4	Others (If any)		

CHAPTER-II

HAZARD & VULNERABILITY ANALYSIS

2.1 History of Disasters

2.2 Seasonality of Hazard

Type of Hazards	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Flood												
Drought												
Landslide												
Forest fire												
Drowning												
Cyclone												

2.3 Risk Assessment

Type of Hazards	Time of Occurrence	Potential Impact (Numbers)		
		GP	Village	Livestock Population (acc. To 2018 Livestock Census)
Flood	July, August, October	3	15	5223
Land Slide	July to September	1	10	1266
Cyclone	Summer cyclone & Rainy day cyclone	12	149	All
Snake bite	In Rainy days	12	149	All
Drowning	Flood season and other than flood season	3	14	2300

2.4.0 Food security

SL NO	NAME OF THE GP	TOTAL NO OF HOUSEHOLDS	CATEGORY	
			NFSA	SFSS
1	Abarsing			
2	Anagha			
3	Bastringuda			
4	Chhelagada			
5	Chheligada			
6	Dabaraguda			
7	Mahendragada			
8	Mangarajpur			
9	Parisala			
10	Purunapani			
11	R.Udayagiri			
12	Ramagiri			
13	Randiva			
14	Sabrapalli			
15	Sialilati			

16	Subalada			
17	Tabarsing			
	TOTAL			

(CSO – Civil supply)

2.4.2 No of person under Social Security scheme

Sl. No	Name of the GP	Old age Pension	Disability pension	Widow Pension
1	Abarsing	186	78	151
2	Anagha	172	46	168
3	Bastriguda	246	146	112
4	Chhelagada	223	91	142
5	Chheligada	303	112	174
6	Dabaraguda	125	24	67
7	Mahendragada	461	186	313
8	Mangarajpur	192	97	159
9	Parisala	184	35	83
10	Purunapani	119	43	125
11	R.Udayagiri	339	166	204
12	Ramagiri	245	73	131
13	Randiva	198	50	46
14	Sabrapalli	285	152	92
15	Sialilati	178	58	48
16	Subalada	105	62	53
17	Tabarsing	273	63	114

Sources – Block social security Office

2.4 Vulnerability (Provide Numbers in the table. The detail list to be annexed)

2.5.1 Cyclone

Sl	Name of the GP	No of Villages	No of Fisherman Habitation	Population	Distance from the Sea	Remarks	
1	17	250		All		NA	

2.5.2 Flood

Agriculture and Flood Vulnerability

Sl. No.	Name of the Block/ULB	Cultivable Area (Hectares)		Area susceptible to Flood (Hectares)	
		Paddy	Non Paddy	Paddy	Non Paddy
1	R.Udayagiri	2423	1524	1563	856

2.5.4 Area Specific Disaster

Sl	Disaster	Name of the GP/ULB	No of Villages	Population	Remarks	
	Drought	All GPs	149			
	Lightning	All GPs	149			

	Forest Fire						
	Land slide						
	Flood						
	Snake Bite	All GPs					
	Cyclone						

2.5.5 Vulnerability (Provide Numbers in the table. The detail list to be annexed)

SI	Particulars	Flood	Cyclone	Forest Fire	Landslide	Snake Bite	Lightning	Drought
1.	Gram Panchayat	3	12	1	2	12	12	149
2.	Revenue Village	15		4	8	149	149	149
3	Educational Institutions/ Residential Schools	5	ALL	1				
4	Anganwadi Centres		141	47				
5	Special Schools	-	-	-	-	-	-	-
6	Health institutions	NA	NA					
7	Woman Care Centers/Maa Griha	NA	NA	NA	NA	NA	NA	NA
8	Orphanage	NA	NA	NA	NA	NA	NA	NA
9	Child Care Institution	NA	NA	NA	NA	NA	NA	NA
10	Old Age Home	NA	NA	NA	NA	NA	NA	NA

[Vulnerability may be mapped taking into consideration the geographic location]

CHAPTER-III
RESOURCE & CAPACITY ANALYSIS

3.1 Resource Inventory/ Capacity Analysis:

3.1.1 Transportation

Resource Type	Details	Numbers	Agency/Association name	Contacts with Telephone No.
<i>Transportation and Communication</i>	BUS	07		
	Truck	03		
	Boats	01		6370934400
	Ambulance	2 (108 & 102)	Hospital	9778716869
	Country boat			

3.1.2 Water Supply (RWSS)

Resource Type	Details	Numbers	Agency/Association name	Contacts with Telephone No.
<i>Drinking water</i>	Tankers	4	<i>RWSS –R.Udayagiri</i>	9439519090
	Overhead tanks	19	<i>RWSS – R.Udayagiri</i>	–JE, RWSS
	Mobile tankers	9 (GP/Block)	<i>RWSS – R.Udayagiri</i>	9439519090 –JE, RWSS

3.1.3 Debris & Road Clearance

Resource Type	Details	Numbers	Agency/ Association name	Contacts with Telephone No.
<i>Cleaning and Cutting Equipments</i>	Chain Saw	14	<i>GP/Fire Dept.</i>	6370934400
	Proklins	0		
	Earthmoving Vehicles (JCB)	2	<i>PWD</i>	<i>JE -PWD</i>
	Debris/Road Clearance equipment	NA	NA	NA
	Tractor	52	<i>Individual</i>	

3.1.4 Other Resources

Resource Type	Details	Numbers	Agency/Association name	Contacts with Telephone No.
<i>Other Resources</i>	Tower light	5 (3 at shelters & 2 at Fire station)	<i>Fire station and at shelter level</i>	6370934400- <i>Fire officer</i> 7735389553- <i>Sarapanch,</i> <i>Patrada,</i> 9861427858
	Gen sets	15	<i>GP-12/Shelter-3</i>	
	Pump set	2	<i>Fire station</i>	6370934400- <i>Fire officer</i>

3.2. Transportation Facilities:

Sl.	Name of the GP	Bus Owners Association	No. of Bus	Truck Owners Association	No. of Trucks	Boat Owners Association	No. of Boats	Tractors
1	Abarsing	NA	NA	NA	NA	NA	NA	
2	Anagha	NA	NA	NA	NA	NA	NA	
3	Bastriguda	NA	NA	NA	NA	NA	NA	
4	Chhelagada	NA	NA	NA	NA	NA	NA	
5	Chheligada	NA	NA	NA	NA	NA	NA	
6	Dabaraguda	NA	NA	NA	NA	NA	NA	
7	Mahendragada	NA	NA	NA	NA	NA	NA	
8	Mangarajpur	NA	NA	NA	NA	NA	NA	
9	Parisala	NA	NA	NA	NA	NA	NA	
10	Purunapani	NA	NA	NA	NA	NA	NA	
11	R.Udayagiri	NA	NA	NA	NA	NA	NA	
12	Ramagiri	NA	NA	NA	NA	NA	NA	
13	Randiva	NA	NA	NA	NA	NA	NA	
14	Sabrapalli	NA	NA	NA	NA	NA	NA	
15	Sialilati	NA	NA	NA	NA	NA	NA	
16	Subalada	NA	NA	NA	NA	NA	NA	
17	Tabarsing	NA	NA	NA	NA	NA	NA	

SL NO	NAME OF THE GP	TYPE OF STORAGE STRUCTURE	LOCATION(VILLAGE/GP)	CAPACITY(IN QNTL)	CONTACT PERSON (Jogan Sahayak)	ADDRESS AND PHONE NO	REMARKS (GOVT /PVT)
1	Abarsing	PUCCA	GP OFFICE				GOVT
2	Anagha	PUCCA	GP OFFICE				GOVT
3	Bastriguda	PUCCA	GP OFFICE				GOVT
4	Chhelagada	PUCCA	GP OFFICE				GOVT
5	Chheligada	PUCCA	GP OFFICE				GOVT
6	Dabaraguda	PUCCA	GP OFFICE				GOVT
7	Mahendragada	PUCCA	GP OFFICE				GOVT
8	Mangarajpur	PUCCA	GP OFFICE				GOVT
9	Parisala	PUCCA	GP OFFICE				GOVT
10	Purunapani	PUCCA	GP OFFICE				GOVT
11	R.Udayagiri	PUCCA	GP OFFICE				GOVT
12	Ramagiri	PUCCA	GP OFFICE				GOVT
13	Randiva	PUCCA	GP OFFICE				GOVT
14	Sabrapalli	PUCCA	GP OFFICE				GOVT
15	Sialilati	PUCCA	GP OFFICE				GOVT
16	Subalada	PUCCA	GP OFFICE				GOVT
17	Tabarsing	PUCCA	GP OFFICE				GOVT

3.4 Health Institutions

Name of the G.P (Location)	Health Facilities (PHC/ HWC/ Sub Centre/ Maa Gruha)	Staff Available	Contact number of in chage
Abarsing	SC HWC	3	9439985266
Anagha	SC	2	9439985270
Bastriguda	SC HWC	3	9439985275
Chhelagada	PHC HWC	6	7008424251
Chheligada	SC HWC	3	9439984022
Dabaraguda	PHC HWC	5	8338046805
Mahendragada	SC HWC	3	9439985260
Mangarajpur	SC HWC	2	9439985257
Parisala	SC HWC	3	9439985255
Purunapani	SC HWC	3	9439985253
R.Udayagiri	SC HWC	3	9439985260
Ramagiri	SC HWC	2	9439985257
Randiva	SC HWC	3	9439985255
Sabrapalli	SC HWC	3	9439985253
Sialilati	SC HWC	3	9439985255
Subalada	SC HWC	3	9439985253
Tabarsing	SC HWC	1	9439985254

Health Facility

Sl. No.	Name of the G.P (Location)	Health Facilities (PHC/ HWC/ Sub Centre/ Maa Gruha)	Staff Available	Contact number of in chage	Oxygen Cylinder	Oxygen Concentrator	Life Saving Drugs	Ambulance
1	Abarsing		Doctors-7, Pharmacist-2, Staff Nurse-1	Dr. Ithi Noel Isaiah, 9778716869	5	8	Yes	108
2	Anagha		Doctors-1, Pharmacist-1	Dr. Rajesh Ku. Biswal 7008424251	3	7	Yes	102
3	Bastriguda		Doctors-1, Pharmacist-1	Dr. A. Tanuja, 8338046805	2	8	Yes	
4	Chhelagada		MPHW(M)-1, MPHW(F)-1, CHO-1	Pratiba Ku. Bhukta, MPHW(F), 9439985253				
5	Chheligada		MPHW(M)-1, MPHW(F)-1, CHO-1	Lokanath Jena, MPHW(M), 9439985256				
6	Dabaraguda		MPHW(F)-1, CHO-1	S. Narasamma, MPHW(F), 9439985257				
7	Mahendragada		MPHW(M)-1, MPHW(F)-1, CHO-1	Atasi Das, MPHW(F), 9439985260				
8	Mangarajpur		MPHW(M)-1, MPHW(F)-1	Kanakalata Das, ANM, 9439985263				
9	Parisala		MPHW(F)-1, CHO-1	Sasmita Panigrahy, MPHW(F)- 9439985265				
10	Purunapani		MPHW(M)-1, MPHW(F)-1, CHO-1	B. Malati, MPHW(F)- 9439985266				
11	R.Udayagiri		MPHW(M)-1, MPHW(F)-1	Usharani Poloka, ANM, 9439985270				
12	Ramagiri		MPHW(M)-1, MPHW(F)-1, CHO-1	Minati Gouda, MPHW(F)- 9439984022				
13	Randiva		MPHW(M)-1, MPHW(F)-1, CHO-1	M. Vijayalaxmi, MPHW(F)- 9439985277				

Sl. No.	Name of the G.P (Location)	Health Facilities (PHC/ HWC/ Sub Centre/ Maa Gruha)	Staff Available	Contact number of in chage	Oxygen Cylinder	Oxygen Concentrator	Life Saving Drugs	Ambulance
14	Sabrapalli		MPHW(M)-1, MPHW(F)-1, CHO-1	U. Dhanalaxmi, MPHW(F)- 9439985275				
15	Sialilati		MPHW(F)-1, CHO-1	Basanti Samantroy, ANM, 9439985273				
16	Subalada							
17	Tabarsing							

3.5 Police Stations

Police Station	Name of the G.P (Location)	Staff Available	Name and Contact number of IIC
R.Udayagiri	R.Udayagiri	24(Inspector, Sub inspector, ASI, Havildar, Constable, Home guard-	Shri. Prasant Mlick 7749879743

3.6 Multipurpose Cyclone/Flood Shelter with capacity: OSDMA Dedicated shelter
NO CYCLONE SHELTER AVAILABLE.

LAND SLIDE PRONE AREA

Sl. No	Name of flood Prone GP	Name of Village	Flood/ Landslide prone Exact Location Name	Longitude and Latitude of landslide Location in degree		Safe Shelter Name (School/ College/ AWC etc & Contact Person name & phone no.	Longitude and Latitude of Safe Shelter	
				Latitude	Longitude		Latitude	Longitude
1	BASTRIGUDA	KANCHIMULI	KANCHIMULI	19.165893	84.09663	BASTRIGUDA GP OFFICE, PRABHAKAR PRADHAN (PEO)- MOB-8018118669	19.165896	84.096628
2		BDAPUR	BDAPUR	19.165075	84.09622			
3	CHELLAGADA	RUPASING	RUPASING	19.211952	84.20521	CHELLAGADA GP OFFICE ,SASANKA SHEKHAR SUBUDHI (PEO), MOB-8280966997	19.23841	84.191528
4		GANGAPUR	GANGAPU1	19.222529	84.21129			
5	PURNAPANI	PURUNAPANI	PURUNAPANI	19.2733820	84.419257	PURNAPANI GP OFFICE LALITA MOHAN GOUDA (PEO)-MOB-	19.27343	84.419125
6		NUAGAO	NUAGAO	19.2733523	84.419423			
7		DEOPALA	DEOPALA	19.2733326	84.419217			

8		KADAMALI	KADAMALI	19.2733684	84.419354	977421421		
9		KURUBA	KURUBA	19.2733552	84.419156			
10		ALARA	ALARA	19.2733236	84.419784			
11		RAMAGUDA	RAMAGUDA	19.2733120	84.419324			
12	SIALILATI	1.BETARSING	1.BETARSING	19.210365	84.31614	SIALILATI GP OFFICE, BISWAJIT LIMMA(PEO), MOB-7894866084	19.21027	84.316044
13		2.BURUSHI	2.BURUSHI	19.210356	84.31645			
14		3.JADAPANI	3.JADAPANI	19.210456	84.31626			
15		4.GANDILI	4.GANDILI	19.210369	84.31603			
16		5.JADA	5.JADA	19.210259	84.31605			
17	ANAGHA	1.KIMBOSING	1.KIMBOSING	19.094165	84.32709	ANAGHA GP OFFICE, RABINDRA KUMAR PATRA (PEO), MOB-9668005515	19.09418	84.327135
18		2.BADIPUR	2.BADIPUR	19.094256	84.32722			
19		3.TILIBANGA	3.TILIBANGA	19.094385	84.32734			
20		4.DEULISAH	4.DEULISAH	19.094451	84.32726			
21	DABRAGUDA	1.GADAPADAR	1.GADAPADAR	19.265452	84.18808	DABRAGUDA GP OFFICE SASANKA SEKHAR SUBUDHI(PEO), MOB-8280966997	19.26546	84.188019
22		2.KHANJAMERA	2.KHANJAMERA	19.26544	84.18815			
23	MANGRAJPUR	JAMODOL	1.JAMODOL	19.038076	84.26138	MANGRAJPUR GP OFFICE MONAJ KUMAR PANDA, MOB-9556827185	19.03888	84.261681

3.9 Human Resources:

Expertise	Availability in Number
Doctor	7
Fire personnel	11
ASHA	91
AWW/Helper	
Other Health professional	5 (Staff nurse, LT and Pharmacists)
AYUSH Professional	6 (PHC, MHU and MHT)
SEM (Tankers/PWS/ Gen sets)	16 (SEM)
Drivers (Road and Water ways)	

3.10 List of NGOs in DM-

Name of NGOs and CBOs	Area of Operation	Sector	Volunteers available	Professional	Contact Address
		Livelihood, DM		7	
RKSS	Gajapati	Agriculture		6	Rani Peta, Paralakhemundi 9438854384

PREM	Odisha	Livelihood, Education		5	R. Sitapur, Paralakhemundi – 7788006269
PRAVA	Gajapati	Agriculture and & livelihood		3	Kashinagar, Gajapati 9437192514

3.11 Volunteers Profile: (List with contact to be annexed)

Sl. No.	Name of the Scheme/ Project	Total Number of Volunteers	No. of Volunteers Trained				
			Search & Rescue	First Aid	Ham Radio	CBDM	Others (Specify)
02	Aapda Mitra	40					
03	Disaster Management Teams	0					
04	Civil Defence	0	0	0	0	0	0
05	NCC	0					

CHAPTER-IV

PREPAREDNESS PLAN

4.1 Preparation/Updating of Disaster Management Plan of Block.

SI No.	Activity	Timeline (Month/Year)	Remarks
1	Preparation of BDMP	Mid March ~ Mid April every year	This will get update by the Nodal Officer of block disaster management and coordination with due consultation of BDO & Emergency Officer
2	Sharing of Plan with Stakeholders	Last week April Every year	Nodal Officer will take key responsibilities for sharing workshop
3	Review of the Plan	February (Each year)	By the BDO & Nodal Officer
4	Updating of the Plan	March (Each year)	By the nodal Officer and other key stakeholders

NB : The plan once prepared should be shared with all the stakeholders and to be reviewed at least once in every year preferably in the month of March and the necessary changes to be incorporated for updating the plan

4.2 Preparedness at the Gram Panchayat level (a paragraph to be added)

4.2.1 Village Disaster Management Plan (50 Words)

4.2.2 Gram Panchayat Disaster Management Plan (50 Words)

4.2.3 Tsunami Preparedness Plan (50 Words)

4.2.4 Table top exercises & Mock drill of 18th & 19th June (50 Words)

4.2.5 Table Top Exercise to assess preparedness (50 Words)

4.2.6 Training & Capacity building in the Block

4.3 Awareness Generation Activities (Annexure Leaflets)

SI No.	Subject	Participants	To be Facilitated by	Month (Suggestive only)
	Heat wave	Community and NGO workers	DEOC & NGO Staff	February & March
1	Cyclone & Flood safety	Entire block population	DDMA & DEOC, Gajapati	March
2	Lightning	Entire block population	CHC- R.Udayagiri	April
3	Snakebite	Entire block population	CHC- R.Udayagiri	May- June
4	Sanitation & Hygiene	Entire block population	CHC- R.Udayagiri	June
5	Drowning Prevention	Entire block population	Fire and PHC	May – June
6	Tsunami (Coastal Villages)	Entire block population	CHC- R.Udayagiri	November
7	Epidemic/Pandemic	Entire block	CHC & NGO	November

4.4 Stakeholder mapping

SI	Level	Designation	Contact (Landline)	Contact (Mobile)
1	District	District Collector/ADM	06815-222397	9437561919
2		ADM	06815-223333	9437166214
3		CDO-cum-EO, ZP	06815-222420	9937274006
4	Sub Division	Sub Collector	06815-222226	9777516745
	Block Development Officer-			
1	Block	Tahasildar		9437208153
2		MO I/C		9778716869
3		CDPO		9438429718
4		Fire Officer		9861369632
1	Gram Panchayat	Sarpanch/ Panchayat Samiti members		
		Shelter Nodal Officer		
	Mahendragada	SARAPANCH		6370290254
	R.Udayagiri	SARAPANCH		7852929058
1	Abarsing	SARAPANCH		7653931774

SI	Level	Designation	Contact (Landline)	Contact (Mobile)
2	Anagha	SARAPANCH		9439329314
3	Bastriguda	SARAPANCH		9439641339
4	Chhelagada	SARAPANCH		8280962734
5	Chheligada	SARAPANCH		9668363733
6	Dabaraguda	SARAPANCH		9437165710
7	Mahendragada	SARAPANCH		9861121295
8	Mangarajpur	SARAPANCH		7750060829
9	Parisala	SARAPANCH		9827633517
10	Purunapani	SARAPANCH		9668609688
11	R.Udayagiri	SARAPANCH		7657033308
12	Ramagiri	SARAPANCH		9692806627
13	Randiva	SARAPANCH		7894236215
14	Sabrapalli	SARAPANCH		8895098051
15	Sialilati	SARAPANCH		9666950476
16	Subalada	SARAPANCH		8895991213
17	Tabarsing	SARAPANCH		8280718543
1	Abarsing	SAMITI MEMBER		7653943613
2	Anagha	SAMITI MEMBER		8980459879
3	Bastriguda	SAMITI MEMBER		7656864541
4	Chhelagada	SAMITI MEMBER		7653946362
5	Chheligada	SAMITI MEMBER		9556471777
6	Dabaraguda	SAMITI MEMBER		9668983940
7	Mahendragada	SAMITI MEMBER		9439127925
8	Mangarajpur	SAMITI MEMBER		9438187973
9	Parisala	SAMITI MEMBER		9861758976
10	Purunapani	SAMITI MEMBER		6371261447
11	R.Udayagiri	SAMITI MEMBER		9178002273
12	Ramagiri	SAMITI MEMBER		8984603645
13	Randiva	SAMITI MEMBER		9437330414
14	Sabrapalli	SAMITI MEMBER		8480357261
15	Sialilati	SAMITI MEMBER		8260848789
16	Subalada	SAMITI MEMBER		8280228049
17	Tabarsing	SAMITI MEMBER		8280762893

4.5 Status of preparation of GPDMP & VDMP

Sl	Total number of GPs	GPDMP Prepared (Yes/No)	Total Number of Villages	Number of villages where VDMP prepared
1	Abarsing			
2	Anagha			
3	Bastriguda			
4	Chhelagada			
5	Chheligada			
6	Dabaraguda			
7	Mahendragada			
8	Mangarajpur			
9	Parisala			
10	Purunapani			
11	R.Udayagiri			
12	Ramagiri			
13	Randiva			
14	Sabrapalli			
15	Sialilati			
16	Subalada			
17	Tabarsing			

CHAPTER-V
RESPONSE PLAN

Sl.	Designation	Office Contact	Mobile Number
1	Block Development Officer	06815-284226	
2	Tahasildar	NA	
3	Asst. Executive Engineer	NA	
4	MO I/c	NA	
5	CDPO	NA	
6	BSSO	NA	
7	Block Agriculture Officer	NA	
8	Block Veterinary Officer	NA	
9	Marketing Inspector	NA	
10	GP Extension Officer	NA	
11	IIC	NA	
12	Station Officer, Fire Services	NA	

5.4 Relief Officer

SL	Name of the Gram Panchayat/Village	Relief Officer	Contact details of the Officer
1	Abarsing	<i>Sj , AEE, R.Udayagiri</i>	
2	Anagha		
3	Bastriguda		
4	Chhelagada		
5	Chheligada		
6	Dabaraguda		
7	Mahendragada		
8	Mangarajpur		
9	Parisala		
10	Purunapani		
11	R.Udayagiri		
12	Ramagiri	<i>Mrs.</i>	
13	Randiva		
14	Sabrapalli	<i>Sri</i>	
15	Sialilati		
16	Subalada		
17	Tabarsing		

5.6 Emergency Support Functions

SI	Assigned Task	Nodal Person & Designation	Contact	Checklist
1.	Communication: Control Room/ Warning Dissemination		9556130989	<ul style="list-style-type: none"> • Disseminate the warning to GP & Village • Coordinate with the District for warning updates
2	Evacuation		7008151625	<ul style="list-style-type: none"> • Shelters Identified • Drinking water • First aid essentials • Free kitchen • Care for elderly, PWD, Children. Pregnant/ lactating woman • Nodal person designated
3.	Search & Rescue		6370934400	<ul style="list-style-type: none"> • Pre-positioning of Response force • Volunteers assigned • Nodal officer designated • Vehicles arranged • PoL arranged • Food, Drinking water arranged
4	Relief line clearance			<ul style="list-style-type: none"> • Removal of trees, poles • Clearance of roads
5	Shelter management		9668566556	<ul style="list-style-type: none"> • Shelters Identified • Drinking water • First aid essentials • Free kitchen • Care for elderly, PWD, Children. Pregnant/ lactating woman • Nodal person designated
6.	Relief Management	Tapas Tripathy, Inspector of Supplies	7008601630	<ul style="list-style-type: none"> • Identify relief distribution points • Stocking of relief materials • Identifying the potential dealers
7	Drinking Water & Sanitation	Mr. Amiya Dash, JE Rws	8280408676	<ul style="list-style-type: none"> • Identify drinking water sources • Disinfection of Drinking water sources

				<ul style="list-style-type: none"> • Testing the quality of water
8.	Public Health Services	, CHC, R.Udayagiri	9778716869	<ul style="list-style-type: none"> • Stock position of live saving drugs, ORS, IV fluids and other equipment • Distribution of ORS, Halogen to field areas • List of contact address of field staff • List of volunteers • List of DDC/ AWW • List of epidemic/risk prone areas • List of site operation areas • Mobile health unit • List of Dist./ health control rooms • List of private and local doctor • Awareness through propagation of healthy practices during the disaster time • Trained the village taskforces on use of medicine and first aid • Daily disease report collection and analysis • Preventive measures
9	Human Casualty Management	Rajesh Mahapatra Addl. Tahasildar, Kashinagar	9437426716	<ul style="list-style-type: none"> • Mortuary space designated • Help desk counter • Staff assigned • Recording of the identity • Reporting the status to BDO
10	Damage & Loss Assessment	Jyotirmay Das Tahasildar,	8420927804	<ul style="list-style-type: none"> • Report the loss within 24 hrs of disaster • Follow the relief code for ex-gratia support • Instruction to RI & Revenue Supervisor
11	Energy	SDO, TPSODL, R.Udayagiri	9437959942	<ul style="list-style-type: none"> • Identify strategic location • Prepositioning of man & material • Immediate stock taking • mobilisation of man & material
12	Transport	Lariman Kharsel, BDO , R.Udayagiri	9556130989	<ul style="list-style-type: none"> • Identify vehicles and drivers • Traffic Control

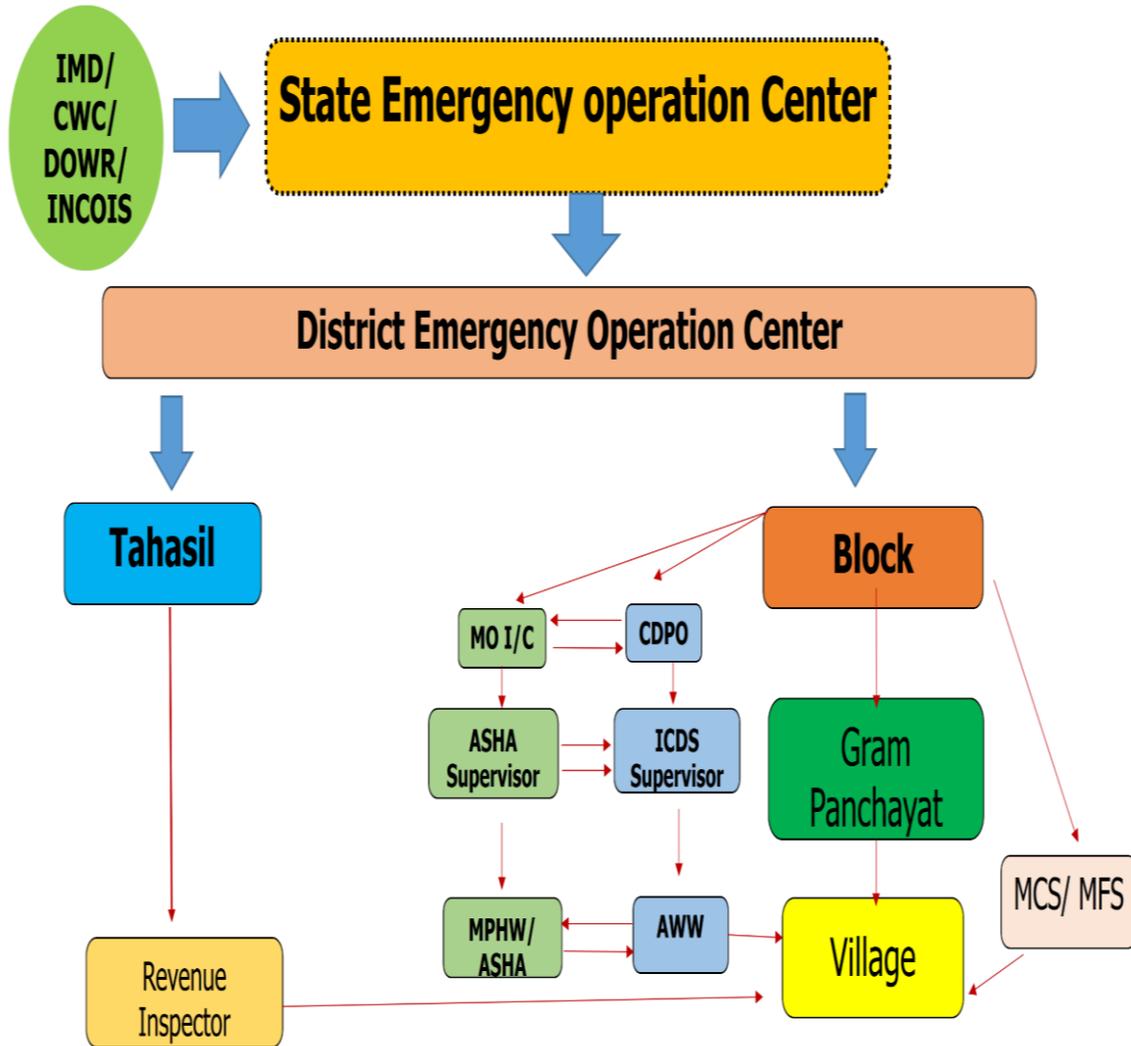
13	Public Works		8114395737	<ul style="list-style-type: none"> • Prepositioning of Man & materials • Identify vulnerable infrastructures
14	Information & Communication	Lariman Kharsel, BDO , R.Udayagiri	9556130989	<ul style="list-style-type: none"> • Alternate communication source in place • Alternate internet facilities in place
15	Media Management	Lariman Kharsel, BDO , R.Udayagiri	9556130989	<ul style="list-style-type: none"> • Situation update • Temporary shed for VIPs • Media Assemble point • Media and VIP briefing Note
16	Animal Health Care	BVO, R.Udayagiri	9437251536	<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 • Carcass Disposal
17	Law & Order	Jyotirmay Das Tahasildar, Kashingar	8420927804	<ul style="list-style-type: none"> • Traffic Control • Safeguarding Relief material • Supervision of relief distribution

NB.: The Checklist is Indicative. The same may be modified in consultation with concerned stakeholder.

5.7 Control Room Operation

Details of the Officer –			Operational Timing		
Designation	Department	Time	Normal	Warning	Post
Tahasildar	R&D	24hrs	8 hrs	24x7	
BDO	Panchayat Raj	24hrs	8 hrs	24x7	
SDPRO	Information	24hrs	During requirement	Only dissemination	

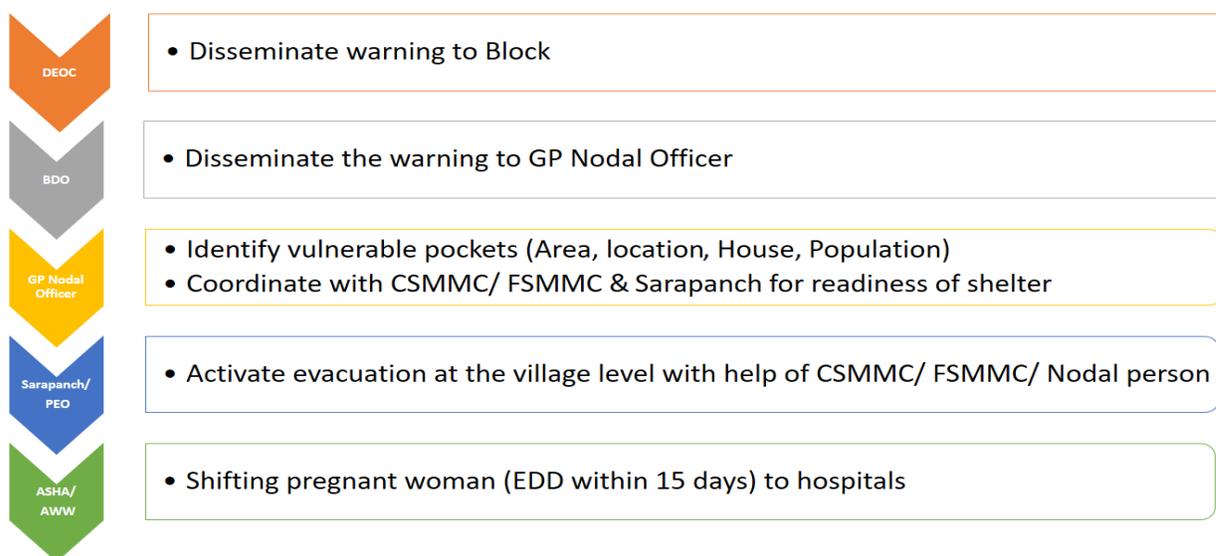
Early Warning Dissemination Protocol



5.8. Early Warning Dissemination and Response Plan:

Nodal Officer with	Contact details (Mobile & Email ID)	Response System		
		Pre (after Warning)	During Disaster	Post Disaster
Block nodal Officer disaster management	966856656	Keep readiness of all communication system (OSWAN, Mobiles, Contact numbers) Monitor warning message on regular basis, disseminate message to the right person	Follow up	Collection of the data from field to support the local authority
Block Social security officer	8375962636	To coordinate with the local authority	Follow-up action	Collection of information from departments

Evacuation Protocol



Drinking water supply (RWSS)

- Repair of damaged platforms of hand pumps/rising wells/spring-tapped chambers/public stand-post, cistern
- Restoration of damaged stand post including replacement of damaged pipe lengths with new pipe-lengths, cleaning of clear water reservoir (to make it leak proof)
- Repair of damaged pumping machines, leaking overhead reservoirs and water pumps including damage intake- structure, approach gantries/jetties.

Roads (PWD)

- Filing up of breaches and potholes, use of pipe for creating waterways, repair and stone pitching of embankments.
- Repair breached culverts Providing diversions to the damaged/washed out portions of bridges to restore immediate connectivity.
- Temporary repair of approaches to bridges/embankments of bridges, repair of damaged railing bridges, repair of causeways to restore immediate connectivity, granular sub base, over damaged stretch to roads to restore traffic.
- Irrigation Immediate repair of damaged canal structure and earthen/masonry works of tanks and small reservoirs with the use of cement, sand bags and stones.
- Repair weak areas such as piping or rate holes in dam walls/embankments. Removal of vegetative material/building material/debris from canal and drainage system Repair of embankments of minor, medium and major irrigation projects.

Health -

- Health: Repair of damaged approach roads, buildings and electrical lines of PHCs/ Community Health Centers

Panchayat Executive Officers Deputed in Different Panchayatas

SL NO	NAME OF PEO	GP ALLOTTED	Block	CONTACT NO
1	Manoj Kumar Panda	Subalada	R.Udayagiri	9556827185
		Mangarajpur	R.Udayagiri	
2	Biswajit Lima	Sialilati	R.Udayagiri	7894866084
		Abarsing	R.Udayagiri	
3	Sasanka Sekhar Subhudhi	Chhelagada	R.Udayagiri	9437750441
		Dabaraguda	R.Udayagiri	
4	Lalita Mohan Gouda	Randiva	R.Udayagiri	9777421421
		Purunapani	R.Udayagiri	
5	Prabhakara Pradhan	R.Udayagiri	R.Udayagiri	8018118669
		Bastriguda	R.Udayagiri	
6	Rabindra Patra	Anagha	R.Udayagiri	9668005515
7	Raibari Sabar	Parisala	R.Udayagiri	7077975261
8	Tulasi Manjari Mali	Chheligada	R.Udayagiri	8018726760
9	Arpitarani Das	Sabarapalli	R.Udayagiri	7894978326
10	Jayalaxmi Gouda	Tabarsing	R.Udayagiri	9117927604
11	Laxmikant Patra	Ramagiri	R.Udayagiri	9437874707
12	Surendra Nath Mandal	Mahendragada	R.Udayagiri	8917329717

Chapter VI **RECONSTRUCTION & REHABILITATION:**

Rehabilitation and reconstruction are at the heart of disaster recovery phase. The rehabilitation and reconstruction activities, which follow the disaster response stage, aim at achieving long-term recovery. Disaster recovery is a very significant stage in the disaster management cycle, as this is when the support of governmental and non-governmental agencies in the disaster aftermath usually starts receding and the affected community has to fend for itself. At this stage, the role of the community and self-help groups becomes paramount since they can make or mar the crucial link between disaster response and disaster recovery. Disaster Management It also needs to be kept in view that the entire rehabilitation and reconstruction process has to be attuned towards developmental goals. Unless we understand the relationship between recovery and development, issues and challenges facing the rehabilitation and reconstruction process cannot be met. This Unit examines the pertinent issue of disasters and development. It throws light on the concept and principles of rehabilitation and reconstruction that must make way for larger disaster recovery process by examining the post-tsunami aftermath. It also analyses the problems faced by planners and implementers in the rehabilitation and reconstruction process.

As we all know, the disaster recovery stage in the disaster management cycle falls between the disaster response phase and the overall development phase. Thus, it is necessary that vital interlinkages between all the three phases be established. This could be achieved through systematic planning and implementation of a long-term recovery programme in the disaster aftermath. Rehabilitation and reconstruction operations are integral to disaster recovery. They provide a direct 'connect' between disaster response and long-term development. The two activities, however, do not have similar connotation.

Rehabilitation involves restoring local services related to the provision of immediate needs. It implies a systematic return to pre disaster status. It refers to actions taken in the aftermath of a disaster to enable basic services to resume functioning, assist victims' self-help efforts to repair physical damage, restore community facilities, revive economic activities and provide support for the psychological and social well-being of the survivors. It focuses on enabling the affected population to resume more or less normal patterns of life. It may be considered as a transitional phase between immediate relief and major long-term development. Reconstruction, on the other hand, represents long-term development assistance, which could help people in the affected areas to rebuild their lives and meet their present and future needs. It takes into account reduction of future disaster risks.

Rehabilitation may not necessarily restore the damaged structures and resources in their previous form or location. It may include the replacement of temporary arrangements established as part of emergency response or the upgradation of infrastructure and systems from pre-disaster status. For instance, following a damaging hurricane, the rehabilitation of the power lines would aim to restore the system as rapidly as possible so that the essential services would continue to function, whereas, reconstruction of the power lines would aim to rebuild the rehabilitated system to a higher or safer standard

than before, so that the future risks to the power lines from a similar damaging event could be reduced. Reconstruction must be fully integrated into long-term developmental plans, taking into account future disaster risks and possibilities to reduce them by incorporating appropriate measures.

As we have mentioned before, the term recovery is used to embrace both the rehabilitation and reconstruction activities. Both the activities may be required in the aftermath of disaster. One does not essentially exclude the other.

It should also be remembered that rehabilitation and reconstruction do not always safeguard full recovery. In the disaster aftermath, it may take longer to return to 'normalcy' or in some situations, total recovery may never be possible. It is, therefore, Rehabilitation and Reconstruction not possible to suggest a 'model' time frame for rehabilitation, reconstruction or recovery stages. The distinction between rehabilitation and reconstruction is not watertight, but they have to be well-incorporated into a long-term disaster recovery plan. A comprehensive rehabilitation and reconstruction or a broad recovery plan should take into consideration both physical and non-physical requirements of the communities. Failing to address long-term recovery could have adverse consequences.

For instance:

- i) It may simply result in large investment in infrastructure without the necessary inputs to help the victims to become psychologically fit, socially ready and economically self-sufficient; and
- ii) The necessary links between physical, social and psychological recovery may be ignored

Thus, we can say that processes of rehabilitation and reconstruction are essential for long-term disaster recovery, even though they need not always lead to recovery. Problems underlying rehabilitation and reconstruction can even go on to stall the recovery process. We will read about this aspect in Section 15.6 of this Unit. Suffice it to say over here that rehabilitation and reconstruction are complex processes that are determined by varied parameters. The nature of rehabilitation and reconstruction largely depends on the intensity of damage caused by a disaster in terms of losses to lives and infrastructure. There are several factors that need to be taken into view while designing a long-term disaster recovery plan entailing rehabilitation and reconstruction. These are economic, social, political and cultural. While economic, social and cultural factors will become clear by reading the following Section, it is important to understand the political factor over here. Disasters, as we all know, are great electoral opportunities for political parties, especially when elections are round the corner. Politicians derive political mileage out of announcing huge sops and incentives through their recovery package. The recovery plan finds smooth execution if there is political will behind it. The political environment of the disaster aftermath, therefore, needs to be considered by planners of long-term recovery.

Types of Rehabilitation are –

- A. Physical Rehabilitation
- B. Social Rehabilitation
- C. Psychological Rehabilitation

6.2 Post Disaster Needs Assessment (Write a Paragraph)

Housing (100 Words)

A team must be formed in an advance for doing PDNA aftermath of disaster. comprehensive analysis of the Housing and Urban Development Department (HUDD) policy and institutional frameworks for the Housing Sector and the land administration system, with particular emphasis on: 1) State housing policy 2) Urban planning and development policy for the ULBS Local governance: the adequacy of these frameworks under normal conditions and their ability to be adapted to the demands of the post-disaster housing reconstruction process; the implications of operating within a weak state and/or with a high level of informality; 3) land use and administration, including statutory, customary and informal rules and institutions and the implications of operating in an urban or rural environment; 4) housing construction system and practices, which includes the actual capacity of the organizations involved in the housing reconstruction, and the specific challenges that have already arisen, or may be expected to emerge as the post-disaster housing reconstruction programme is planned and executed; 6) insurance and housing finance, which covers the possibility of financial supports and different mechanisms to achieve best results for all segments of the housing market; 7) local infrastructure construction and operation; 8) risk management policies including risk reduction

Infrastructure (100 Words)

A team must be formed for doing PDNA at Kashinagar block jurisdiction after the disaster. The team must be comprised of subject matter specialist with technical experts on social sector, service sectors, infrastructure sectors housing infrastructure, electrical infrastructure. PDNA is an important process the report of PDNA will support the community and administration to bring back better situation. The team who will be facilitate PDNA process on the theme of infrastructure must have knowledge on local infrastructure Kashinagar block which generally gets affected by the disaster. The PDNA is a joint assessment and immediate recovery planning from disaster. The team of PDNA on infrastructure will mainly address the loss of infrastructures like – roads, public and private buildings, electricity and telecommunication. The consolidated PDNA report will enable policy makers and administrator to make a proper plan for the immediate constructions of suggested activities in the city

Livelihoods (100 Words)

Post-disaster Needs Assessment (PDNA) and recovery planning for Employment, Livelihoods strengthening in disaster prone areas. It outlines how to assess and estimate the effects and impact of disasters on EL and provides recommendations for reactivating economic activities and employment for recovery of livelihoods. Employment and Livelihood is treated as a particular topic in this chapter. However, specific recovery needs related to overall economic recovery and recovery of permanent sources of employment and livelihoods in the social and productive sectors are also treated in the respective sector chapters of the PDNA Guidelines. Livelihoods can be defined as a set of activities and strategies pursued by household members, using their various assets

(physical, natural, and human, social, financial) in order to make a living. Livelihoods usually involve employment of household labor and the use of other household assets, if any, in order to live on the proceeds. For the large majority of people across all countries, the most important livelihood asset is primarily their own labor, followed by other household assets (physical, financial, social and natural.)

Social Protection (100 words)-

Social protection refers to people and households that are socio-economically secure with regards to access to health care and safety at the workplace, even in the face of vulnerabilities and contingencies. This is particularly important for poor and marginalized segments of a population, often found in the informal economy. Commonly they are most in need of support and protection, yet are the least protected.

CHAPTER-VII

MITIGATION PLAN

- Major points to be focused, with respect to the components of disaster management plan like preparation, mitigation activities and social empowerment are briefed below. Disaster management plans to be prepared under the leadership of local self-government institutions shall foresee impacts likely to happen in the context of geographical, infrastructural, social and economic scenario and status assessed in chapters 1, 2 and 3 and act accordingly.

Steps - It is extremely important to identify the gap between the available facilities and the ideal facilities to be there in place. Then only, the facilities to be arranged can be enlisted and realized. Enlist the schools and halls which could be used as relief camps (please see the 5th chapter also). Estimate for the required repairs of such buildings may be prepared in advance. Likewise, enlisting of roads, bridges and culverts of the disaster prone area and preparation of projects for their up keeping are also activities to be taken up by local self-government institutions. For example, projects envisaging elevated places or elevated cattle sheds can be prepared for keeping cattle and other domestic animals during floods. Projects for arranging proper electric system, water supply, sanitary facilities etc. at schools and public buildings where relief camps to be set up at times of disasters can also be prepared.

- Information/knowledge dissemination activities (IEC)
- Warning systems
- Safety check at hospitals, public offices and education institutions
- Intervention of LSG committee on the basis of the findings of safety check exercise multilevel disaster prone area maps to be developed by every LSG institution.
- Land use map of disaster prone areas
- Improvement of the infrastructure facilities of disaster prone areas (roads, bridges etc.)

7.1 Sector wise Vulnerability Reduction Measures considering G.P plans: (write a Paragraph in 100 words)

Major work under disaster mitigations are as follows –

- Water conservation activities
- River Embankment Protection
- Action for rejuvenating water bodies
- Action for soil conservation
- Action for land sloping protection
- Action for watershed conservation
- Proper Land use planning
- Adaptation of green building technology
- Waste management activities
- Actions for making the planet greener.

- Construction of cyclone and flood shelters

Training programmers and awareness building campaigns shall be incorporated in the disaster management plan. Training can be imparted to the following groups.

Community based organizations

- Cultural, social and civil organizations
- Farmers groups
- Political parties representatives
- Labor unions
- Community members
- MGNRGA & ANM field staff
- Anganavadi workers
- Organizations of senior citizens
- NCC, NSS, Scout & Guides

7.2 Community level Mitigation Programme

Include hazard specific mitigation measures and schemes Proposed in the GPDP

SI No.	Name of the Gram Panchayat	Hazard Specific Mitigation Plan for	Required Intervention	Executing Departments	Fund Required	Time Frame
1	Abarsing	NA	NA	NA	NA	NA
2	Anagha	NA	NA	NA	NA	NA
3	Bastriguda	NA	NA	NA	NA	NA
4	Chhelagada	NA	NA	NA	NA	NA
5	Chheligada	NA	NA	NA	NA	NA
6	Dabaraguda	NA	NA	NA	NA	NA
7	Mahendragada	NA	NA	NA	NA	NA
8	Mangarajpur	NA	NA	NA	NA	NA
9	Parisala	NA	NA	NA	NA	NA
10	Purunapani	NA	NA	NA	NA	NA
11	R.Udayagiri	NA	NA	NA	NA	NA
12	Ramagiri	NA	NA	NA	NA	NA
13	Randiva	NA	NA	NA	NA	NA
14	Sabrapalli	NA	NA	NA	NA	NA
15	Sialilati	NA	NA	NA	NA	NA
16	Subalada	NA	NA	NA	NA	NA
17	Tabarsing	NA	NA	NA	NA	NA

7.3 Short Term Mitigation Plan: (100 words)

Mitigation and Prevention are used as synonyms. Some prefer to drop the term Mitigation and use only Prevention. The term Mitigation can be comprised in the term Prevention. There are 3 types of mitigation approach such as short term, medium term and long term. Short term mitigation approach gives focus upon the awareness, readiness to minimize the risk of

disaster impact. The following are the short term mitigation approach in short term mitigation practices

- Monitor development activities of various ministries with respect to mitigation aspect in development programmes and general preparedness
- Convene periodic meetings of the National Commission to review general state of preparedness and response for season changes including extreme winters and droughts.
- Organize Education, Training and Awareness Activities
- Promote Research & Development
- Effective coordination with all line department
- Reference of plans and polices which are developed on the basis of local context

7.4 Medium term Mitigation Plan: (100 Words)

Medium term mitigation in disaster management focus upon the 6 – 12 months planned activities that will bring a significant changes in reducing disaster impact. EG. Making policy and plan as per the need of the locality as well some minor construction work like – embankment strengthen in summer season, plantation work, as well Desilting of water bodies in summer season

7.5 Long Term Mitigation Plan: (100 Words)

(Brief description about structural and non-structural measures at the Block/GP/village level to be described including possible source of funding from the existing schemes of the Govt. of Odisha and Govt. of India)

7.6 Development Schemes and Disaster Mitigation

Identify the scheme/projects running in the Gram Panchayat/villagse and segregate them relevant to Mitigation and Preparedness measures

SI No.	Name of the Gram Panchayat & Villages	Ongoing Disaster Mitigation/ Preparedness Works	Development Programme	Executing Departments	Start Date	Date of Completion
1	Abarsing	<ul style="list-style-type: none"> • Renovation and excavation of BNRGSK 	GPDP	Block		
2	Anagha	<ul style="list-style-type: none"> • 				
3	Bastriguda	<ul style="list-style-type: none"> • 				
4	Chhelagada	<ul style="list-style-type: none"> • 				
5	Chheligada	<ul style="list-style-type: none"> • 				

6	Dabaraguda	•				
7	Mahendragada	•				
8	Mangarajpur	•				
9	Parisala					
10	Purunapani	• Construction of water channel to manage grey water	GPDP			
11	R.Udayagiri	<ul style="list-style-type: none"> • Construction of Amrit saraovar Dala Tank for water security • Opening of water kiosk 	GPDP	GP & RD		
12	Ramagiri					
13	Randiva	• Construction of solar water supply system to ensure water security		GP Fund		
14	Sabrapalli	<ul style="list-style-type: none"> • Construction of protection wall • Construction of boundary wall • Village sanitation drive 	GPDP	RD	NA	NA
15	Sialilati	<ul style="list-style-type: none"> • Construction of institutional leach pits • Tank renovation for water security of animal and community 	GPDP	MDNREGA & RD	NA	NA

16	Subalada	<ul style="list-style-type: none"> • Construction of Plastic waste management room • Construction of rain water harvesting structure 	GPDP	MGNREGA & GP Fund	NA	NA
17	Tabarsing	<ul style="list-style-type: none"> • Renovation of Pino Pond 	GPDP			

7.7 Integration of the mitigation plan into GPDP: (Write a paragraph in 200 Words)

SL	Name of the Village/GP	Hazard Specific Mitigation Plan	Required Intervention	Executing Departments	Fund Required	Time Frame
1	Abarsing					
2	Anagha	One dedicated shelter	Construction of shelter building	OSDMA		
3	Bastringuda					
4	Chhelagada					
5	Chheligada	Landslide prevention protection wall		PWD/ RD		
6	Dabaraguda					
7	Mahendragada	One flood shelter	Construction of shelter building			
8	Mangarajpur					
9	Parisala	Landslide prevention protection wall		PWD/RD		
10	Purunapani					
11	R.Udayagiri					
12	Ramagiri					
13	Randiva					
14	Sabrapalli					
15	Sialilati					
16	Subalada					
17	Tabarsing					

**Annexure
Important Contact No & SOP**

SI No.	Name of the Officer	Designation	Position in DDMA (Ex-Officio)	Contact No. (If Land line please prefix 06815-)
1	Sj Smruti Ranjan Pradhan, IAS	Collector or District Magistrate	Chairman DDMA	9437561919, 222397, 222396(R), 222464 (Fax)
2	Sri Gabara Tirupati Rao	ZP President, Gajapati,	Co - Chairperson DDMA	7978935937
3	Sj Rajendra Minz, OAS (S)	Additional District Magistrate, Gajapati	Chief Executive officer- DDMA	9438305095 223333, 222578
4	Ms. Swasti S Kumar, IPS	Superintendent of Police, Gajapati	Member	222533, 2225666 (R) , 222565 (Fax)
5	Sj Romanchal Khamari	CDO-cum-EO, Zilla Parisad, Gajapati	Member	9937274006
6	Sri Pradeep Kumar Patro	Chief District Medical Officer	Member	9438297034 222205
7	Mr. Prabhas Behura	District Emergency Officer – Gajapati	Member	9437208153
8	Ms. Purussottam Sahu	Deputy Director Agriculture, Gajapati	Member	7978521320
9	Er. Nimal Kumar Das	Executive Engineer, Rural Development, Gajapati	Member	9437255318
10	Er. Sanjaya Rath	SE, Irrigation (Embankment) PKD Division	Member	9337822185

11	Er.Bikash kumar Pati	EE-RWSS, Gajapati	Member	8280408040
12	Lariman Kharsel	BDO , R.Udayagiri	Member	9556130989
13	Mr. Jyotirmay Das	Tahsildar,	Member	8420927804

Block Level Officials

Sl.	Designation	Office Contact	Mobile Number
1	Block Development Officer	06815-284226	9556130989
2	Tahasildar	NA	9437208153
3	Asst. Executive Engineer	NA	9439718831
4	MO I/c	NA	9438663406
5	CDPO	NA	9438429718
6	BSSO	NA	9348144744
7	Block Agriculture Officer	NA	8763045519
8	Block Veterinary Officer	NA	9437251536
9	Marketing Inspector	NA	7008601630
10	GP Extension Officer	NA	9668566556
11	IIC	NA	7008151625
12	Station Officer, Fire Services	NA	9861369632

Standard Operating Procedures (SOP)

Standard Operating Procedure for block level officers for flood / cyclone management

BLOCK DEVELOPMENT OFFICER (BDO):

PRE:

- Convene meeting of the Block level stakeholder/ line departments before onset of Monsoon during the month of April.
- Review the preparedness activities by different block level line departments.
- Functioning of Rain Gauge Stations placed in the Block office.
- Functioning of Control room round the clock with adequate manpower of appropriate hierarchy.
- Keep Close watch on the warnings issued by the Dist. Emergency Operation Centre (DEOC) or from other reliable sources like IMD, DoWR, etc.
- Preparation/updating the Block Disaster Management Plan (BDMP) with role and responsibilities as per the amendments of Odisha Panchayat Samiti Act, 1959 (Sec 20).

- Preparation of the line department wise resource inventory as well as of private / country / power Boats.
- Coordinate for repairing of SRC power boats before the onset of rainy season.
- Identification of the Low-lying areas which are vulnerable to flood or likely to be cut off.
- Identification of safe shelters to be used during flood / Cyclone.
- Activation of Cyclone Shelter Management & Maintenance Committee (CSMMC) / Flood Shelter Management & Maintenance Committee (FSMMC) and concerned Task Force members in the concerned villages.
- Arrangement of minimum basic requirement at the shelters like Food, Drinking water and light.
- Arrangements of proper sanitation measures in the shelters.
- Assignment of staff (minimum Three including one lady staff) for smooth management of shelters.
- Chalk out a plan for assignment of staff to each Gram Panchayat for facilitating the evacuation, free kitchen etc.
- Cancellation of leave in-case of flood / cyclone like waring / situation.
- Dissemination of the warning in all vulnerable and other areas.
- Assess the Old Age Homes and plan for any evacuation required in case of flood /cyclone with help of BSSO.
- Identification and listing the kutchha houses/ Huts in the vulnerable villages with the help of BPC, RH.
- Miking and evacuation of people residing in the low-lying areas to identified safe shelters and make arrangement of free kitchen
- Safe evacuation of Old (men & women), PWDs, pregnant women, women and children with special care.
- Preparation of plans for special schools in consultation with BSSO.
- Plan for safe evacuation of PWDs in coordination with BSSO.
- Instruct BVO and his/her team VAS, Addl VAS, VT and LI for evacuation of livestock and domestic animals to safe shelters.
- Alert the teachers and other staff of the Special Schools (residential) in coordination with BSSO & BEO.
- Assess the SC & ST Schools and plan for any evacuation required in case of flood /cyclone with the help of WEO.
- Prepositioning of foods, drinking water, Electricity / power back up at SC & ST schools with the help of WEO.
- Alert the teachers and other staff of the SC & ST Schools with the help of WEO.
- Closure of schools as per govt. directives and return of boarder to their home safely.
- Coordinate with GPEO & MI to get the requirement of food stuffs for the population likely to be affected in Flood / cyclone for submission to Collector with intimation to CSO.
- Assess the locally available dry foods like Chuda, Gur, biscuits etc. and ration requirements for free kitchen for emergency needs with the help of MI.
- Availability of petrol / diesels in petrol pumps which may be required to conduct necessary rescue and relief operation in coordination with MI.

- Provision of advance ration to the beneficiaries under different schemes like National Food Security Act (NFSA) / State Food Security Scheme (SFSS) / Antyodaya Anna Yojana (AAY) / Priority House Hold (PHH) Ration Card as per the state level decision with help of MI.

DURING:

- Follow up with all block level line department officers like, Tahasildar, AE, Electrical, MI, GPEO, BEO, WEO, AAO, SO, fire Station, Medical Officer, all Sarpanch / PS members, BVO, BPM etc. to review the stock of the situation and issue necessary instructions to all the concerned to make arrangements accordingly.
- Coordinate with fire services & Response force for search & rescue where ever required.
- Continuous coordination with DEOC & SEOC for updates & remain watchful.
- Keep track on the disaster information circulated by DEOC, SEOC, IMD and DoWR, etc.

POST:

- Provision of emergent relief for the affected people and cattle feed to the evacuated animals.
- Cutting of trees by the nearest fire station for clearance of the roads in case of cyclone.
- Restoration of basic facilities like electricity, drinking water, sanitation etc.
- Submission of daily situation reports in the prescribed format to the DEOC.
- Psychosocial counselling for inmates of old age homes / special schools with the help of BSSO.
- Assess all old age homes / schools for verification of damages due to Cyclone / flood in coordination with BSSO.
- Issue instructions for proper identification, cremation of dead bodies and disposal of carcasses.
- Preparation of damage assessment report for damaged old age homes and special school in consultation with AEE / JE/ GPTA & BSSO.
- Prepare preliminary damage report and loss assessment and submission of report to the Chairman, DDMA for onward transmission of the O/O SRC.
- Review the restoration of damaged roads, bridges, embankments and other public properties.
- Documentation of the relief and restoration activities for records.
- Submission of final damage report in consultation with the Tahasildar to the DDMA.
- Provision of free kitchen for the evacuees.
- Provisioning of dry ration to the affected people as per the package declared by the govt.
- Arrange psychosocial counselling for the affected people.
- Facilitate different types of subsidized loans & financial assistance to the SHGs & Producer Groups.

TAHASILDAR:**PRE:**

- Functioning of Control Room 24*7
- Keep close watch on the situation and warning issued from time to time.
- Convene coordination meetings along with BDOs and extend cooperation for effective and safe evacuation.
- Take steps to keep all staff members and field functionaries (RI) remain watchful in respective RI circles and shall not leave their respective headquarters.
- Keep adequate stock of polythene sheets (Rolls)
- Identification of people living in thatched/ kutcha/ hut for immediate evacuation if required by involving the local RIs / ARIs.
- Identify standing crops in low lying areas
- Evacuation of people from hazard prone area in coordination with BDO.

DURING:

- Keep close watch on the situation
- Review the stock of the situation and issue necessary instructions to all RIs to make arrangements accordingly.
- Provide all coordination support to block in search & rescue and other response activities.
- Continuous coordination with DEOC & SEOC for updates
- Keep track on the disaster information circulated by DEOC, SEOC, IMD and DoWR, etc.

POST:

- Provision of temporary shelter materials (polythene sheets) to those whose houses have been damaged.
- Enumeration of damaged houses with Geo tagging photographs and submission of the same to District Collector through the concerned Sub-Collector.
- Initiate crop damage assessment jointly with DAO / AAO and submission of the list to District Collector through concerned Sub-Collector.
- Preparation of list of beneficiaries along with their bank account numbers for DBT of House Building Assistance / Input Subsidy for Crop Damage
- Distribution of assistance to the beneficiaries after sanction of fund from the Dist.
- Preparation of beneficiary list and submit it to DEOC for necessary uploading of the same in Dist. NIC web portal.

ASST. EXECUTIVE ENGINEER (AEE):**PRE:**

- Assist the BDO in preparedness activities in the block
- Identify the vulnerable roads/ area to be cut off
- Prepositioning of man, materials and machine in strategic locations
- Ensure halting of all the construction activities during the period and safe keeping of materials, machinery and equipment.

DURING:

- Keep Close watch on warning and the situation
- Take regular stock of the situation on the damage to buildings and roads
- Plan for immediate restoration of the road network to all the panchayat of the block

- Assist the block administration in clearing the relief lines

POST:

- Visit the area, submit initial reports and help the block & Tahsil in damage assessment.
- Assess the damage to public road and buildings and submit the report to the Block Development Officer.
- Carry out restoration and reconstruction works as per the directives of the Block administration.

BLOCK EDUCATION OFFICER (BEO):

• **PRE:**

- Initiate awareness activities in schools by School Disaster Management Committee (SDMC).
- Preparation / updating of School Safety Plans.
- Conducting Community Awareness Programme (CAP) in schools by the Response forces like ODRAF, NDRF & Fire Service.
- Alert all the School Committees to keep the schools in readiness those to be used for safe shelters.
- Designate a local teacher or a staff of the same village nodal for the safe shelter for all coordination.
- Instruct the Head Master of identified school to be used as shelter to hand over keys of respective schools to the designated nodal Officer.
- Coordinate with WEO and BSSO for safety and security of inmates of the residential and special schools.
- Coordinate with Block Administration for making necessary basic arrangements like Drinking water, food and electricity / power back up for sheltering the evacuees.

DURING:

- Keep close watch on the warning and situation.
- Assist the block administration as per the assigned by BDO
- Issue instructions for closure of all schools in the block

POST:

- Asses all schools for verification of damages due to Cyclone / flood
- Preparation of Damage assessment report for damaged school in consultation with AEE / JE/ GPTA.
- Submission of the damage assessment report to the block and higher quarters.

MEDICAL OFFICER (MO) I/C:

PRE:

- Convene a preparatory meeting with all MO of CHC/ other Hospital, ANM SC/ HWC, BPMU, RKS members and other stakeholders to take a stock of all preparedness measures.
- Coordinate with CDM&PHO/DPHO and Block Administration for effective Preparedness & prompt Response.
- Taking stocks of essentials medicines, water purifying (Halogen) tablets, anti-snake venoms in CHCs, HWC, PHCs and other Hospital as required.

- Sufficient stocks of bleaching powder, chlorine powder, etc.
- Coordinate with ANM and ASHA to convene emergency meetings of Gaon Kalyan Samitis (GKS) to tackle impending emergency situation.
- Keep the hospital in readiness to meet any eventuality during the emergency.
- Safe storage of vaccines with proper cold chain arrangements
- Prepare contingency plan for monitoring hygiene and sanitation.
- Opening of a 24x7 control room.
- Relocate the patients to the safe areas within the hospital.
- Power backup arrangements and availability of safe drinking water to be made in all hospitals.
- Planning for shifting of pregnant women having EDD within 15 days to nearby Hospital /Maa Griha immediately in coordination with CDPO on receipt of Cyclone/ Flood warnings.
- Identify & shift patients requiring intensive care to nearest medical facility.
- Constitute Mobile Health Units (MHUs) consisting of a doctor, health workers and ANMs to provide health services.
- Deploy Mobile Health Units alongwith required medicines to the vulnerable/ likely to be affected areas in advance.
- Initiate vaccination in the likely to be affected areas (as & when necessary) for prevention of communicable diseases.
- Availability of medical equipment and essential drugs.
- Earmark separate wards in the hospital for treatment of injured persons during disaster.
- Plan for mass casualty incident.

DURING:

- Deploy Rapid Response Teams (RRT) and carry out health care services.
- Coordinate with CDM&PHO & Block Administration for prompt Response.
- Medical (ante natal) check-ups for pregnant women in all shelters.

POST:

- Coordinate with CDM&PHO and Block Administration for effective delivery of health services.
- Public/Community Health Management, Logistic Management, Remote Area Planning, Disaster Site Management, Triage, Clinical Casualty Management, etc.
- Establish Helpline for providing information to the affected population.
- Initiate post disaster disease surveillance system and monitor the outbreak of epidemic.
- Organise Psycho-Social Counselling camps for the disaster affected population and Psychological Rehabilitation.

- Coordinate with Private Hospitals for treatment of the affected population, if required.
- Disinfection of open drinking water sources with support of ASHA & AWWs
- Enforce proper dead body management & early submission of post mortem report to the concerned authority.
- Arrange transportation/ambulance for seriously injured/ sick patients from PHCs/CHCs to referral hospitals.
- Submission of reports to the Collector & CDM&PHO.
- Organise Medical Relief Camps in affected areas with proper monitoring.
- Epidemiological Study of Disasters as per the instruction of the CDM&PHO/ DPHO.

BLOCK AGRICULTURE OFFICER (BAO):

PRE:

- Warning dissemination to all grass root level officers like VAW, Krushak Sathi.
- Immediate dissemination of crop advisories to farmers through miking and other arrangements
- Prepositioning of seeds at the LAMPS / PACS
- Prepare a database of dealers and shops for seeds, fertilisers, pesticides and farm machineries.

DURING:

- Maintain close coordination with the field staffs like VAW, Krushak Sathi to remain in their respective areas.
- Keep close watch on the situation

POST:

- Initiate joint enquiry of the crop loss in the area.
- Preparation of preliminary crop damage report with Tahasildar
- Assess the final crop damage and submit joint report to the District
- Preparation of beneficiary list (Farmers list) in case of crop loss
- Submission of beneficiary list to the Dist. Administration after joint verification with the RIs
- Collection of bank account details from the beneficiary for distribution of input subsidy
- Coordinate with VAW / Krushak Sathi to initiate field inspection and take immediate actions wherever necessary.

ASST. FIRE OFFICER (AFO) / STATION OFFICER (SO):

PRE:

- Coordination with the block administration for pre-positioning of response force and equipment.
- Readiness of man and machinery for quick response.

- Keep close watch on the warnings and situation
- Assist the Block Administration in evacuating the people from the vulnerable areas.

DURING:

- Remain alert and coordinate with Block administration for updates
- Keep close watch on the warnings
- Carry out search and rescue operation as and when required

POST:

- Assist block Administration in clearing the relief lines.
- Carry out search and rescue activities, if any.
- Extend necessary support to ODRAF and NDRF during response activities.
- Support the block administration in other response activities.

BLOCK VETERINARY OFFICER (BVO):

PRE:

- Keep close coordination with the Block
- Conduct a preparatory meeting of all VAS, Addl. VAS & LIs and take stock of the situation
- Formation of Mobile Veterinary Teams
- Listing of livestock population to be affected (Village wise)
- Assessment of requirement of feed and fodder basing upon livestock population.
- Creation of awareness among the livestock farmers
- Animals to be let loose during disasters
- In case of flood, the animals are to be shifted to high land areas
- Stocking of emergency medicines
- Initiate pre-vaccination drive in the area
- Steps to be taken for procurement of green & dry fodder
- Evacuation of livestock from low lying areas to nearby Animal shelter house / Cyclone shelter house / high land (Mound)
- Deployment of staff for health care measures of livestock in shelter house & other places
- Instruct staff members to remain alert and not to leave their respective head quarter

DURING:

- Remain alert and coordinate with Block administration for updates.
- Keep close watch on the warnings.
- Plan for supply of the feed, fodders, vaccines and mobile veterinary teams to the affected area to meet the requirements.

POST:

- Ensure MVU must reach the affected areas immediately
- Assess the number of livestock mortality, cases actually affected
- Take steps for disposal of carcasses, if any, following the protocol

- Distribution of feed & fodder basing in the affected area
- Place indent to the District Administration for procurement of cattle feed
- Organize animal health camps and coordinate vaccination drive in the affected areas.
- Ensure submission of daily situation report to the higher quarters

CHILD DEVELOPMENT PROJECT OFFICER (CDPO):

PRE:

- Coordinate with Block administration for updates
- Convene a meeting of all Supervisors & AWWs to take stock of the situation
- Keep close watch on the warnings & alert all field functionaries
- Make list of pregnant women from the portal (<https://wcd.odisha.gov.in/ICDS/mamata>) whose Expected Date of Delivery (EDD) is 15 days within the possible cyclone or flood and take necessary steps for shifting.
- Shifting the pregnant women to nearest hospitals before the cyclone strikes or flood occurs.
- Instruct all the staff members to remain present in their respective filed offices.
- Assess the stock position of THR at different AWCs
- Prepositioning of THR, in AWCs in likely to be affected areas.
- Keep stock of essential nutrition supplement required for children (below 5 years) pregnant woman & lactating mothers.

DURING:

- Keep close watch on the situation
- Instruct all staff members are present in their respective duty stations.
- Assist the Block Administration

POST:

- Assess the damage, if any, to AWCs
- Bring the damage to the knowledge of BDO and DSWO
- Assist the block administration in damage assessment of the aanganwadi centres
- Instruct all AWCs to start functioning and ensure nutrition supplements are provided to the students

JUNIOR ENGINEER, RWS&S:

PRE:

- Functionality of tube wells and PWS
- Filling of overhead tanks of PWS after the receipt of the warning
- Keep the man and machinery in readiness
- Assess the availability of materials and indent may be placed with the higher quarter for necessary procurement and positioning
- Provision of drinking water facility in MCS / MFS and identified safe

shelters

- Keep mobile repairing units in readiness and arrange for gen sets, water tankers and additional storage tanks.

DURING:

- Keep close watch on the situation
- Maintain coordination with block administration for updates

POST:

- Disinfection of tube wells and other drinking water sources
- Repairing of damaged Tube wells and Pipe Water Supply (PWS) by the Self Employed Mechanic (SEM)
- Arrange Power back up to the PWS
- Arrange safe drinking water for people in affected area

NODAL OFFICER DISASTER MANAGEMENT (GRAM PANCHAYAT EXTENSION OFFICER (GPEO)/ ANY OTHER DESIGNATED OFFICER)

PRE:

- Coordinate with the PRIs to remain in alert and disseminate the warning messages to the ward level as quickly as possible.
- Assess the GP/ Village/ population likely to be affected.
- Act as per role and responsibilities assigned.
- Evacuation with support of PRIs members.

DURING:

- Remain in alertness
- Keep close watch on the situation
- Act as per the role and responsibilities assigned by the Block Administration
- **POST:**
 - Assist the Block Administration in preparation of Post Disaster damage and Need Assessment.

INSPECTOR IN-CHARGE (IIC):

PRE:

- Maintain Coordination with the Block
- Take stock of the vulnerable areas
- Assess resources available
- Extend support required to other departments
- Assist the Block administration in evacuation
- Maintaining law and order, manage traffic, safety and security in safe shelters.
- Arrange for VHF communication in the strategic location

DURING:

- Restriction of vehicular movement in possible overtopping roads / bridges / culverts
- Maintain safety and security in the shelter places

- Provide support to disaster response forces in search and rescue operation
- POST:**
- Escorting the relief parties / materials to the different distribution points in coordination with BDO/Tahasildar.
 - Safe custody of relief materials at the block warehouse
 - Assist the response teams like ODRAF / NDRF / Fire service in clearing the road blockage and search & rescue operations
 - Maintain law and order situation at the distribution points
 - Keep close vigilant for cases of woman and child trafficking with support civil society organization.

JE, IRRIGATION:

PRE:

- Joint inspection of vulnerable points/ weak embankments with revenue field functionary & repair of the same.
- Pre-positioning of sand, bags, bullah in strategic points.
- Identification and repair of rat holes.

DURING:

- Safeguarding of vulnerable / weak embankments with the help of local police and revenue field functionaries.
- Keep close watch on water level of the Rivers.
- Immediate restoration of weak embankments to prevent breaches.

POST:

- Repair and restoration of breaches in the embankments.
- Damage assessment in case of breaches in embankments.
- Submission of damage report to higher quarter.