

City Disaster Management Plan

2025



Boudhgarh NAC, District -Boudh
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PREFACE



The City Disaster Management Plan of Boudhgarh NAC for the year 2025-2026 have been prepared with the coordination and support of various line departments. This plan indicated to deal with the any unforeseen disaster in the city areas with a structural manner and fulfill the government mission of Zero causality and every life is precious.

This is our preliminary efforts to gathering all the relevant information and hope to help the people of Boudhgarh NAC for approach & develop the community based disaster management & resilient City .

-Sd-

*Executive Officer
Boudhgarh NAC*

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Abbreviation

ADM	Additional District Magistrate
CCA	Climate Change Adaptation
CDPO	Child Development Programme Officer
DDMA	District Disaster Management Authority
DDMP	District Disaster Management Plan
DRR	Disaster Risk Reduction
DEOC	District Emergency Operation Centre
HRVA	Hazard Risk and Vulnerability Analysis
RTO	Regional Transport Officer
MVI	Motor Vehicle Inspector
CSO	Civil Supply Officer
ACSO	Assistance Supply Officer
SI	Supply Inspector
MI:	Marketing Inspector
DSWO	District Social Welfare Officer
SDWO	Sub-divisional Welfare Officer
DAO	District Agriculture Officer
AAO	Assistant Agriculture Office
VAW	Village Agriculture Worker
CDM & PHO	Chief District Medical Officer
ADMO	Additional District Medical Officer
MO	Medical Officer
DPM	District Programme Manager
ASHA:	Accredited Social Health Activist

DEO:	District Education Officer
DPO (SSA):	District Programme Officer, Sarva Shiksha Abhiyan
DPO (RMSA);	District Programme Officer, Rashtriya Madhyamik Shiksha Abhiyan
BEO:	Block Education Officer
CDVO:	Chief District Veterinary Officer
ADVO	Additional District Veterinary Officer
LI:	Life stock Inspector
LI:	Labour Inspector
DLO	District Labour Officer
DAO / TO	District Accounts Officer / Treasury Officer

City at a glance

Sl No.	Particulars	Unit (in Numbers)
1.	Area (Sq Km)	21
2.	Population	20435
3	Ward	17
4.	Revenue Village	4
5	Zone/ Sector	1
6.	Police Station	1
7	Fire stations	1
8	Railway Stations	0
9	Urban Community Health Centre (UCHC)	1
10.	Urban Primary Health Centre (UPHC)	0
11.	Any other Govt./Pvt. Hospital	1
12.	Sub-Centre (SC)/ Health Wellness Centre	0
13.	Veterinary Hospital	1
14	LI Point	18
15	Primary School	1
16	Upper Primary School	6
17	High School	2
18	Colleges	2
19	Other Govt./Pvt. Educational Institutions	6
20	Residential Schools	0
21	Multi-purpose Cyclone/Flood Shelter	1
22	Child Care Institution	0
23	Old Age Home	0
24	Slums	7
25	Common Service Centre/E-Sahajoga Kendra	
26	Open spaces	6
27	Park	7

RIVER & CANAL SYSTEM

(Add a paragraph on the Major River and canal system in and around the City/ Municipality/NAC.) (Paragraph in 100 words)

River & waterbody

Sl. No	Name of the river	Waterbody (Pond/ lake)	Remarks
1	Mahanadi River		
2		Kalabandha	
3		Ghasimeher	
4		Sankhachud	
5		Jarikhandi	
6		Thuranali	

THE MAHANADI:

The river Mahanadi played an important role for the development of pre-historic culture in this region. The river which originates from the Amarakantaka hill range of Madhyapradesh flows downwards in a South-East direction. The cultural pattern is generally same in the entire Mahanadi valley. Culturally, the river Mahanadi is divided into three important parts liked the upper Mahanadi valley, middle Mahanadi and the lower Mahanadi valley. The NAC of Boudh comes under the middle Mahanadi valley. The river Mahanadi is considered as an ancient river of India which is evident from the Mahabharata and other puranic texts. The NAC has 17 nos ward out of which two number ward is situated in the mound of the river mahanadi is called MARJAKUD.

Chapter: - I

Overview of the Municipal Corporation/ Municipality/NAC

1.1 Area and administrative division

Boudhgarh NAC is constituted in the year 1961 .It is the only Urban local body in the District. The Boudhgarh NAC formed before the district creation; it comes to force into as per the government notification 8148 dated 30.8.1961. The House hold of the city is 4579 & population is 20435 respectively .The NAC is divided in to 17 wards .Ward No 13& 14 constitute an Island in the river Mahandi .This NAC boundary is Surrounded on north by river Mahanadi ,South by Village Kaleswar ,Moulsinga & Butupali ,East by river Mahanadi & west by Village Palas,Butisinga ,Jogibereni & Murusundhi respectively.

. The NAC have also good communication as well infrastructure facilities to maintain it spirit and progress through in a planning way to be developed as a smart & green city in future. The nearest railway station is Rairakhol, which is near about 30 km from the NAC area .The new khordha - Bolanagir railways lines touches in the same extent of the NAC area.

As the very name goes, Boudh was one a significant Buddhist centre in odisha which has been confirmed as an archaeological Fact. Located centrally in the Map of Odisha ,Boudh is traversed by river Mahandai and its tributaries ,along which lie the extensive river line fertile plains .The socio economic genesis of the people of Boudh lies in the agrarian economic which is due to large and extensive fertile plains suitable for cultivation .Boudh district is presently on its march towards progression and development by leaps and bounds for which time alone shall remain testimony to its future

Boudhagarh NAC was flourishing centre of Buddhism is evident from three statues of Buddha found in Boudh. Boudh was previously a vassal state under the Bhoomakars of Tosali who was great patrons of Buddhism. So, ultimately Buddhism flourished in this region. It is also possible that the name of this town is changed from Dhritipuspa (ancient capital of the Bhanjas of Khinjli Mandala) to Boudh which is perhaps named after Lord Buddha. The NAC have fixed a aim and objects to clean and green Boudh

- To look after sanitation of the Town
- To maintain its roads, drains & streetlights
- To manage the waste generated (both solid & liquid) from the town in a scientific manner
- To implement the schemes of central Govt .& state Govt .on poverty alleviation

Name of the Wards of Boudhgarh NAC

SL NO	Ward No	Location
1	1	Malisahi
2	2	Bagichasahi
3	3	Keutasahi
4	4	Danisahi
5	5	Khadalsahi

6	6	Babusahi
7	7	Rathasahi
8	8	Podapada
9	9	Nuasahi
10	10	Bapuji Nagar
11	11	Rajanpali
12	12	Butupali
13	13	Marjakud
14	14	Marjakud
15	15	Khaliabagicha
16	16	Bapuji Nagar
17	17	Butupali

About the Boudh District

The district Boudh recently formed on January 2nd 1994 is located in the central part of Odisha. It is surrounded by the river Mahanadi in the North. To its South is located Phulbani district, western boundary touches Sonapur district and eastern boundary touches Nayagarh district. It lies between 20.22° N and 20.50° N latitudes and between 83.34° E and 84.49° E longitudes. The district extends over a territory of 3,098 sq. Km (1.99% of the state) and is inhabited by 4, 41,162 people with sex ratio 991 Females per 1000 Males (2011 Census). It ranks 22nd in size and 29th in population among the thirty districts of Odisha. As of 2011 it is the second least populous district of Orissa, after Debagarh.

The Electoral population of the ULB

The voter as per the 2022 ULB Elections & census

Sl No	Name of the Booths Inside this NAC for Municipal Election	No. of Booth for General ULB Election	Male	Female	Total
1	Malisahi U.P School	1	502	451	953
2	Chandrachuda UGME School	2	903	904	1807
3	Rathasahi UP School	1	407	395	802
4	Khadalsahi UP School	1	640	596	1236
5	J.D.High School	2	1105	1012	2117
6	Town Balika U.P. School	1	449	389	838

7	Nuasahi U.P. School	1	390	370	760
8	Harijanpada UGME School	2	658	665	1323
9	Rajanpali U.P. School	1	270	247	517
10	Butupali UGME School	2	997	809	1806
11	Marjakud UGME School	2	515	454	969
12	Khaliabagicha U.P. School	1	511	444	955
Total		17	7347	6736	14083

Elected Chairperson and Counselors of Boudhgarh NAC

List of Elected Chairperson and Councilors_Boudhgarh NAC				
Sl. No.	Name	Designation	Address	Contact No.
1	Mr Mrutyunjaya Mishra	Chairperson	Khaliabagicha, Boudh	9937736865
2	Mrs Subhasini Sethy	Vice-Chairperson	Rajanpali, Ward No- 11, Boudh	9078069785
3	Mr Shyamsundar Barik	Councillor	Malisahi, Ward No- 1, Boudh	7873034214
4	Mr Debasish Bishi	Councillor	Bagichasahi, Ward No- 2, Boudh	9658427854
5	Mrs Manjubala Sahu	Councillor	Keutasahi, Ward No- 3, Boudh	7852910408
6	Mrs Damini Agrawala	Councillor	Ward No- 4, Boudh	7978842738
7	Mrs Manini Amat	Councillor	Sudasahi, Ward No- 5, Boudh	7077001666
8	Mrs Santoshini Nepak	Councillor	Babusahi, Ward No- 6, Boudh	8144102202
9	Miss Sasmita Meher	Councillor	Sudasahi, Ward No- 7, Boudh	8117946978

10	Mrs Laxmi Meher	Councillor	Podapada, Ward No- 8, Boudh	9938416682
11	Mrs Swarnalata Dalei	Councillor	Nuasahi, Ward No- 9, Boudh	7008336910
12	Mr Bharata Naik	Councillor	Refugee Colony, Ward No- 10, Boudh	7008548867
13	Mrs Bunduri Naik	Councillor	Butupali, Ward No- 12, Boudh	7873033964
14	Mr Dhabaleswar Majhi	Councillor	Marjakud, Ward No- 13, Boudh	6371276003
16	Mr Radheshyam Sethy	Councillor	Marjakud, Ward No- 14, Boudh	7328056686
15	Mr Narayan Dalabehera	Councillor	Khaliabagicha, Ward No- 15, Boudh	9777637212
17	Mrs Chandrika Behera	Councillor	Bapuji Nagar, Ward No- 16, Boudh	9556238716
18	Mrs Gurubari Beriha	Councillor	Butupali, Ward No- 17, Boudh	9938256007

Climate & Rain fall:

The climatic condition of the city is much varied. The city comes under the ambit of Western Central Table Land characterized by hot and moist sub-humid climate. It has mainly 4 seasons. The summer season is from March to Mid June, the period from Mid June to September is the Rainy season, October and November constitute the post monsoon season and winter is from December to February. The best time to visit this district is during winter.

There is a meteorological observatory in the city situated in the circuit house. The data of this observatory may be taken as representative of the meteorological condition of the whole district. The month of May as the hottest month reach to a daily maximum temperature of 45 degree Celsius. In association with the passage of western disturbances across north India during winter months, short spells of cold occur and the temperature drops down to 10 degree Celsius.

The average annual rainfall of the district is 1510.33 mm. However there is a great variation of rainfall from year to year. The month wise rainfall data for last 5 years with reference to normal rainfall of these Districts indicated below:

Rain Station	2018	2019	2020	2021	2022
Boudh	1,656.00	1,128.20	1,725.50	1,499.60	1,698.20

2.4.1 Demographic Details:

Sl. No	Ward	Total Number of HH	Total Population
1	1	362	1596
2	2	306	1292
3	3	256	1216
4	4	209	1016
5	5	305	1397
6	6	361	1475
7	7	376	1792
8	8	224	948
9	9	366	1487
10	10	214	841
11	11	207	934
12	12	349	1684
13	13	163	815
14	14	167	794
15	15	314	1328
16	16	182	815
17	17	218	1005
		4579	20435

Details of the population is annexed at table no-----

1.3.1 Demographic Details:

Sl. No	No of Slums	Total Number of Slum HH	Total Slum Population
1	7	444	2500

Details of the Slum population is annexed at table no-----

Details of SLUMS under Boudhgarh NAC

Sl No	Ward No	Slum Name
1	1	Irrigation Colony
2	5	Khadalsahi
3	7	Budhadevsahi
4	6	Babusahi

5	9	Refusee Colony
6	10	Bapuji Nagar
7	16	Bapuji Nagar

Basic Abstract of Slums in NAC Boudhgarh:

1. No. of Notified Slums in NAC Boudhgarh: 7
2. Total nos. of Households (HH) in all the Slums: 444 (as per USHA Survey, 2018)
3. Total Population in the Slums: 2,500 approx.
4. No. of Slums taken up under SUDN of Jaga Mission: 6 Slums
5. No. of Slums taken up under Relocation Project: 1 Slum, Buddhadev Sahi, W no. 07
6. No. of Slums De-listed under SUDN: 6 Slums
7. Status of Relocation Project Work of Buddhadev Sahi:
 - a. 30 nos. of PMAY Houses complete up to Roof Level
 - b. 3 nos. of Septic Tank Work is about to be completed.
 - c. Main Drain and connecting Drain work is in progress.
 - d. Electric dept. SDO has been contacted through letter to provide L-T line connection at the site, Site visit by their JE & NAC JE is complete.
 - e. Parichaya Gruha work is complete.
 - f. Paver Block Road work is to be started soon in the sub-lanes/connecting paths.
 - g. The communication for the same is done for transfer of the Individual House electric connection to the new addresses of Slum Dwellers of Buddhadev Sahi.

1.2 Rainfall (Annually)

Sl	Month	Normal Rainfall (in mm)	Actual Rainfall (in mm)		
			2020	2021	2022
1	January	17	18.13	0	38.2
2	February	26.8	83.97	0	0.67
3	March	22.4	57.23	0	0
4	April	16.5	129.37	20.53	0
5	May	38.4	28.43	93.97	109.67
6	June	233.8	266.27	124.70	284.73
7	July	418.5	339.63	362.67	408.47
8	August	488.8	546.17	97.40	575.87
9	September	244.8	125.03	500.80	154.27
10	October	90.5	99	34.20	71.53
11	November	21.1	0	12.67	0
12	December	4.4	0	0	0

NB.: Highest rain fall Recorded (in one day)

1. Rain Recording station (Location & Longitude/ Latitude of the Station*)

Latitude	Longitude
20.826321	84.326849

2.4.2 Month wise Highest and Lowest Temperature recorded in the City/ Municipality/NAC (Last Year)

Sl. No	Month	Maximum Temperature (in Centigrade)	Minimum Temperature (in Centigrade)
1	January	29.0	8.5
2	February	36.0	10.5
3	March	41.0	16.0
4	April	45.0	21.0
5	May	44.5	22.0
6	June	44.5	17.0
7	July	37.0	17.0
8	August	36.0	18.0
9	September	36.0	17.5
10	October	36.0	15.0
11	November	35.0	9.0
12	December	33.5	11.0

2.4.3 TOPOGRAPHY

The Boudhgarh NAC is the only town & district headquarters of the district, which are very small towns having a population 8,891 and 20,424 according to 2011 Census. Boudh town is managed by a Notified Area Council, Boudhgarh.

The city covers fertile plains and hilly zones. This area consists of a long strip of level land running parallel to the Mahanadi many small streams, tributary rivers, fountain (locally called jhor) find their way to the Mahanadi. The river line plains of Boudh are drained by the tributaries of the Mahanadi while the southern and the western region are drained by the tributaries of the Tel.

The natural features of the city lend themselves to irrigation, the hills of the southern border forming a natural watershed from which many small streams find their way to the Mahanadi. The hills on the southern border and the district along their foot are thickly covered with forests.

2.4.4 Geographical Area (in Hect.):

1 No	Name of the Village	Total Geographical area	Cultivable Area	Cultivated area	Irrigated Area	Forest Land	Gochar Land	Ana badi	Total Tanents
6	Palas	297.95	271.89	248.45	255.79	0	0	0	418
9	Boudhgarh	593.248	574.166	533.223	497.608	NIL	NIL	NIL	395.3995
10	Boudhgarh Nazul	69.284	NIL	NIL	NIL	NIL	NIL	NIL	2741
11	Marjakud	313.326	NIL	NIL	396 ac	NIL	NIL		972

2.4.5 Land Holding Pattern: (No. of HH)

Sl.	(Govt Land/ Private Pvt. Land)	Large Farmers	Marginal farmers	Small Farmers	Share Croppers	Landless	Total
1	Private Land	20	150	275	30	285	760

2.4.6 Cropping Pattern:

Sl. No	Name of the WARD	Type of Crops (Rabi/ /Kharif/ Zaid)	Area Cultivated (in Hect.)	Area under Crop insurance (in Hect.)
1	Boudhgarh	Rabi	141	
2	Boudhgarh Nazul	Rabi	20	
3	Marjakud	Rabi	303	

Employment and livelihood:

The economy of the city is mostly based on agriculture and forest produce with very limited industrialization. The distribution of workers population in the city indicates heavy dependence on agriculture. Percentage of workers to the total population decreased from 51.13 percent in 1981 to 47.24 percent in 2001. About 69.4 percent workers in the district are cultivators and agricultural laborers indicating predominance of agriculture as a source of livelihood.

2.4.7 Livelihood Details:

Name of the City/ Municip ality/NA C	Total house holds	Service sector	Agricul ture	Wage labour	Horticulture	Fisherman	Petty Busines s	Others (specify)
Boudh NAC	4579	236	475	1470	0	48	2170	180

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

Sl no	Phase	Dus Sanction	Non Started	Foundation	Lintle	Roof	Complete
1	1ST phase	198	0	4	4	4	186
2	2ND phase	215	10	0	6	7	192
3	3RD phase	6	1	0	1	0	4
4	4TH phase	193	4	5	2	8	174
5	5TH phase	19	2	1	4	1	11
6	6TH phase	30	0	0	1	3	26
7	7TH phase	162	15	2	8	18	119
8	8TH phase	143	18	8	16	45	56
9	9TH phase	269	112	24	33	48	52
	Total	1235	162	44	75	134	820

2.4.9 Drinking Water Sources

Name of the WARD	Tube well	Over Head Tanks	PWS	Mega PWS	Others
1 to 17	209	3	1	0	0

2.4.10 Infrastructure

Sl.	WARD	PDS Outlets	Post Offices	Police Station/	Pucca buildings	SDH/UHC	UPHC	Dispensary	Cyclone/flood Shelters	Educationa Institutions				Livestock centers	Cottage Industries	Industries	Godown	Bank	AWC	RI Office
										UP	ME	High	College							
1	1	0	1	0		0		0	0	1	0	0	1					0		0
2	2	1	0	0		0		0	0	1	0	0	0					1		0
3	3	0	1	1		0		0	0	0	0	0	0					0		0
4	4	0	0	0		0		1	0	0	0	0	0					1		0
5	5	0	0	0		0		0	0	0	0	0	0					0		0
6	6	0	0	0		0		0	1	0	1	0	1	1				2		0

7	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	9	0
8	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
12	12	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
13	13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	17	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0

2.4.11 Electrical Infrastructure

Sl. No.	Ward	No. of Consumer	No. of Grid Stations	No. of 33/11 KV Substations	No. of Distributing Transformers			Conductor/ Electrical lines-11 KV or less (length in Kms.)	No. of Poles	No. of High-Tension Towers	High Tension lines above 11 KV (length in Kms.)
					11 KV or Less	11 KV < and <60KV	60 KV and above				
1	NAC Boudhgarh	7071	1	1	5	0	0	4	2007	7	2

2.4.12 Industries:

WARD	Name of the Industries	Type of industry	Manpower employed	Infrastructure available	Chemicals used	Production
NIL						

2.4.13 Financial Institutions (Banks):

Sl. No	Name of the WARD	Name of the Bank	Location and Contact person	Contact Number
1	6	Punjab National Bank	Babusahi NAC Chhack Branch Manger	8018183696
2	7	State bank of India	Podapoda Chief Manger	9438399066
3	12	State Bank of India -ABD	Butupali Chief Manger	9448718192

4	15	Union Bank of India	Khaliabagicha Branch Manger	6371052989
5	7	Central Bank	Babusahi Branch Manger	7978151350
6	2	Bank of Baroda	Muslim Sahi Branch Manger	8141631060
7	4	UCO Bank	Daily Market Branch Manger	9853649090
8	7	AXIS Bank	NAC Chhack Branch Manger	7381018051
9	7	HDFC	Parijat Palace, Babusahi Branch Manger	9937352111
10	7	Bank of India	Parijat Palace, Babusahi Branch Manger	8147220978
11	7	ICICI	Shibani Market Branch Manger	7008512792
12	7	Indian Bank	Shibani Market Branch Manger	9769542561
13	7	Boudh Central Co-operative Bank- Mahila Branch	Pudapoda Branch Manger	9437243038

2.4.14 Communication network

Sl. No	Type of alternate communication	Name & Address of the Contact person	Telephone Number
1	VHF station	Jyostchna Rani Chand	7008671718
2	HAM amateur radio stations	Aparajita Padhi	9439003101
3	DMR Radio		
4	Others (If any)		

2.4.15 Major/ Medium/Minor Irrigation Facility:

Sl.No	Name of the Project	Location of the Project	Ayacut in Hect.
NIL			

2.4.16 Other Irrigation Facilities and Sources:

Name of the City/ Municipality/NAC	No. of LI points	Remarks
Boudhgarh NAC	18	

NB.: WARD wise list of LI points to be annexed

LIST OF LIFT IRRIGATION PROJECTS IN URBAN AREA IN BOUDH DISTRICT

Sl No	Name of the Village	Name of the L.I. Project	Designed ayacut in Hect.		Source of Water	Name of the Pani Panchayat
			Khariff	Rabi		
1	5	6	7	8	9	10
1	Marjakud	Marjakud-I	20	12	Mahanadi	Maa Pitabali
2	Marjakud	Marjakud-II	20	12	Mahanadi	Mahavir
3	Marjakud	Marjakud-III	20	12	Mahanadi	Subhakalasi
4	Marjakud	Marjakud-IV	20	12	Mahanadi	Sri Jagannath
5	Marjakud	Marjakud-V	20	12	Mahanadi	Khameswari
6	Marjakud	Marjakud-VI	20	12	Mahanadi	Grampati
7	Marjakud	Marjakud-VII	20	12	Mahanadi	Goomata
8	Marjakud	Marjakud-VIII	20	12	Mahanadi	Maa Rudra Kali
9	Marjakud	Marjakud-IX	24	15	Mahanadi	Satya Kanya
10	Marjakud	Marjakud-X	20	12	Mahanadi	Kadamaba Kaddha
11	Marjakud	Marjakud-XI	24	15	Mahanadi	Balani Dei
12	Marjakud	Marjakud-XII	24	15	Mahanadi	Maa Baseli
13	Marjakud	Marjakud-XIII	24	15	Mahanadi	Pahad Chheda
14	Marjakud	Marjakud-XIV	24	15	Mahanadi	Shivani
15	Marjakud	Marjakud-XV	24	15	Mahanadi	Marjakud-XV
16	Marjakud	Marjakud-XVI	24	15	Mahanadi	Marjakud-XVI
17	Marjakud	Marjakud-XVII	24	14	River Mahanadi	Baba Baidyanath P.P
18	Marjakud	Marjakud-XVIII	24	14	River Mahanadi	Marjakud-XVIII P.P

Chapter:- II

Hazard & Vulnerability Analysis

Hazard mapping and analysis:

NAC, Boudhagrah has been experiencing unprecedented contrasting extreme weather conditions. In the year 1998, the district of Boudh faced an unprecedented heat wave situation, because of which 48 persons lost their lives. It has become a menace during peak summer. The temporal analysis of daily temperature data for the past three decades shows a steady increase in city temperature. In the Last year, a maximum temperature of 45oC was recorded at NAC Boudhgarh, on an average, recorded 40°C during the month of April. Very severe heat stress conditions prevailed in May / June in 2020 to 2022. In fact, Boudh has become hot city in one of the hottest cities in recent times. Urban Floods and water logging in the low-lying areas of the city have also become common problem due the city situated in the river bank of Mahanadi. The south-west monsoon contributes a considerable portion of heavy rainfall in both onset and withdrawal phases, which generally lead to Water logging in a short period. Most of the heavy rainfall events occur in July and August.

Application of hazard maps for city development and disaster management: Hazard mapping and analyses help in identifying areas that are prone to various hazards – both in terms of intensity and in terms of probability. This also helps the City in taking appropriate site-specific short, medium, and long-term mitigation measures, which include both structural and non-structural measures. It would also help the city administration to mainstream DRR activities in the city development process.

Vulnerability Assessment: Assessment of physical vulnerability to various hazards, and social vulnerability and environmental vulnerability in general of the city was assessed based on identified indicators and field observations. For social vulnerability, socio-economic indicators were considered based on secondary and field-based information. Poverty and gender seem to have a high influence on the social vulnerability in the city. There is a high correlation between high social vulnerable groups to low income areas, particularly slum settlements of the city. In livelihood vulnerability analysis, three types of analysis, i.e. impact of heavy rainfall, high temperature and heat wave were carried out. The city's rapid growth has converted agriculture land and vegetative areas, low-lying water bodies, and open spaces into built-up spaces. Built up environment has increased the rainfall run off, leading to water inundation problems in many parts of the city and during summer month increase the heat wave situation of the city due to back radiation.

Risk Assessment

The risk assessment is based on the hazard, exposure, and vulnerability analysis. Risk assessment has considered four hazards (Flood, Droughts, epidemics, and heat waves). The capacity assessment analyzed needs of the city administration and community in terms of response and preparedness. The risk analysis and capacity assessment helped in deriving the key recommendations for the city for risk mitigation and preparedness to devise short, medium, and long-term strategies for the city as well as communities at large. Risk assessment was carried out using probabilistic method for

heat wave and droughts. Risk matrix by hazard was developed based on estimated losses and damages attributable to each hazard.

2.1 History of Disasters

Sl	Types of Disaster	Year of Occurrence	WARDS Affected (Numbers)	Types of Loss			
				Human	Livestock	Houses	Infrastructure
1.	Flood	2022	5	0	4		0
2.	Heavy rain	2006/2008/2011/2014/ 2018/2019/2020/2021/ 2022	17				
3.	Drought	2020	0	0	0	0	0
4.	Fire accident	0	0	0	0	0	0
5.	Lightening	2021	1	1	0	0	0
6.	Snakebites	2022	1	1	0	0	0
7.	Drowning						
NB.	Provide details of disasters occurred last 20 years including the local disasters.						

2.2 Seasonality of Hazard

Type of Hazards	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Flood							←	→				
Lightning									←	→		
Heatwave				←	→							
Drought						←	→					
Hailstorm			←	→								
Forest Fire		←	→									

2.4.17 Risk Assessment

Type of Hazards	Time of Occurrence	Potential Impact (Numbers)		Vulnerable areas (Name of the WARDs)
		WARD	Population	
Flood	June-Aug	1,2,3 .7.8.9 & 10	7800	Irrigation Colony Chandrchuda mandir Keuta sahi Santoshi maa Ghat Podapada Nuasahi Bapujinagar
Snake bites	June-Oct	All ward		All ward
Lightening		All Ward		All Ward
Drowning		2,7,8,9		Baghicha sahi Rathasahi Podapada Nuasahi
Road Accident		1,2.5,6.15,11,12		Malisahi Bagicha sahi Khadala Sahi Babusahi Khalibagicha Rajanpali Butupali
Fire incident		All ward		All Ward

2.5 Vulnerable population

2.4.1. No of Households under Food security:

Sl. No	Total Number of HH	Category	
		NFSA	SFSS
1	3481	3275	206

2.4.2 No of person under Social Security scheme

Sl. No	WARD	Old age Pension	Disability pension	Widow Pension	Transgender	Others (Specify)
1	17	1183	250	591	0	4+5 (HIV+Leprosy)

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

2.6.1 Flood

SI	WARD	No of Fisherman Habitation	Population	Distance from the Sea/river	Remarks
1	2	4	15	100-200 Mtrs	
2	3	6	22	100-200 mtrs	
3	7	3	17	100-200 mtrs	
4	8	7	28	100-200 mtrs	
5	13	5	22	1-1.5Km	
6	14	20	85	2 Km	

Details of Fisherman

SI No	Ward No	Name of the Fisherman	Distance from River	Aadhar No	Contact No
1	2	Shibasankar Sethy	100mtr	676031621121	7788930745
2	2	Rameswar Naik	100mtr	233014327724	7854017673
3	2	Chamara Dandia	100mtr	478489171688	7749977522
4	2	Kailash Sethy	200mtr	318314121292	7077689403
5	3	Gourahari Nayak	100mtr	442293210983	9853366621
6	3	Harihara Barik	100mtr	734252924693	8456995602
7	3	Taranisen Pandey	200mtr	924350020644	7077662031
8	3	Satyanarayan Naik	100mtr	824437240604	7978282142
9	3	Jogeswar Naik	100mtr	784157214317	7682953920
10	3	Subash Bagha	200mtr		7008730459
11	7	Siba kumar Bagha	400mtr	828163353830	8260467450
12	7	Satyaban Behera	100mtr	382219348400	8658878171
13	7	Jaykrushna Behera	300mtr	488301158504	9178126230
14	8	Girish Sethy	100mtr	646339061207	7205491890
15	8	Suresh Sethy	100mtr	934421725738	7750050368
16	8	Gupteswar Barik	100mtr	820747894484	6371069313
17	8	Sushanta Barik	100mtr	418933251301	6371069313
18	8	Umakant Dalai	100mtr	607315379258	8074273064
19	8	Debaraj Bagha	200mtr	361563915483	8260467450
20	8	Bishal pandey	200mtr	959447637371	9337663316
21	13	Bikash Sethy	1.5KM	690387698186	8018425137
22	13	Palasti Sethy	1.5KM	521448041799	9668032647
23	13	Bibhisan Sethy	1kM	539545070581	8847844955

24	13	Madhaba Sethy	1.5km	770766337948	8117939557
25	13	Banamali Sethi	1.5KM	483428406395	8117939557
26	14	Nabin sethy	2.0KM	929413953669	7735016847
27	14	Sanjit Loi	2.0KM	860707284947	7077859871
28	14	Mangalu Loi	2KM	3167437727504	8117970475
29	14	Himansu kumar Loi	2KM	704112726674	7750063061
30	14	Subhakanta Taria	2KM	369013453453	7326085882
31	14	Ganesh Sethi	2KM	699315726344	8018411060
32	14	Purandar Sethi	2KM	641617454511	9937354081
33	14	Siba Sethi	2KM	808427433235	9937354081
34	14	Sananda Loi	2KM	335268211484	9668735334
35	14	Suru Taria	2KM	222942604588	8984133686
36	14	Bikram Sethi	2KM	877270000738	9938758616
37	14	Anil Bagha	2KM	496911820430	8763793327
38	14	Sananda Bagha	2KM	519837132085	9556577036
39	14	Maheswar Dehury	2KM	315253501774	7687090201
40	14	Sidheswar Sethi	2KM	284006600083	9178555710
41	14	Sapneswar Sethi	2KM	748685921662	9178555710
42	14	Prasanta Bagha	2KM	902285975830	9938792710
43	14	Rabi Bagha	2KM	866930365851	9692804312
44	14	Abhilash Barik	2KM	417177045809	8117953827
45	14	Jaga Sethy	2KM	344034932988	7684856280
46	14	Jaban Sethy	2KM	308603036672	8260523402
47	14	Milu Sethy	2KM	808993343549	9178345224
48	14	Sunil Sethy	2KM	506633235467	7978713512
49	14	Chatrubhuja Barik	2KM	329841272549	7077854168

2.5.2 Flood (As per frequency of occurrence)

Sl	High		Medium		Low	
	WARD	Population	WARD	Population	WARD	Population
	1, 6,10	1800	15,7,2	1280	9	400

2.5.4 Area Specific Disaster

Sl	Disaster	WARD	Population	Remarks
	Urban Flood	1,2,6,7,15	2900	
	Urban Fire	1	200	
	Drought	13,14	800	
	Lightning	All ward		

	Forest Fire	Nil		
	Land slide	Nil		
	Industrial Hazards	Nil		
	Others			

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

Sl	Particulars	Flood	Cyclone	Tsunami	Landslide
1.	Ward	5	0	0	0
2	Educational Institutions/ Residential Schools	Nil	Nil	Nil	Nil
3	Anganwadi Centres	Nil	Nil	Nil	Nil
4	Special Schools	Nil	Nil	Nil	Nil
5	Health institutions	Nil	Nil	Nil	Nil
6	Woman Care Centres	Nil	Nil	Nil	Nil
7	Orphanage	Nil	Nil	Nil	Nil
8	Child Care Institution	Nil	Nil	Nil	Nil
9	Old Age Home	Nil	Nil	Nil	Nil
10	Others (Specify)	Nil	Nil	Nil	Nil

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

There are has several operational schemes including National Urban Health Mission (NUHM) and Integrated Child Development Scheme (ICDS) that aim at improving the health and nutrition status. NUHM, a flagship program for improving urban health services is operational in the city as per the Central Government guidelines. It operates under the supervision of the Chief District Medical Officer (CDMO) supported by the District Program Manager (DPM). The Schemes under NUHM like the Janani Surakhya Yojana (JSY) and Rogi Kalyana Samiti (RKS) are successfully operational. Accredited Social Health Activist (ASHA) is appointed to assist Auxiliary Nurse Midwife (ANM) at sub center level for early registration, identification of complicated pregnancies and providing at least three antenatal cares. They undertake post delivery visits, organize appropriate referrals and arrange transport for pregnant mothers in need. These health assistants work in villages and identify pregnant woman from BPL families as beneficiaries of the scheme

Major Health indicator

No of Medical College	No of hospitals	No of UCHC	No of UPHC	No of Dispensary	No of Pvt Clinical Establishment	No of Custodial institution (Jail/ Juvenile home)	No of Old age home	No of Child care home
0	2	0	1	0	3	0	1	1

Sl. No.	Ward No	Infant Mortality Rate	Maternal Mortality Rate	Institutional Delivery in percentage	Immunization status of Children below 5 years in percentage	Any Other
1	Ward-1	0.00	0	72%	91%	
2	Ward-2	0.00	0	80%	95%	
3	Ward-3	0.00	0	54%	96%	
4	Ward-4	0.00	0	60%	95%	
5	Ward-5	55.56	0	95%	94%	
6	Ward-6	76.92	0	79%	100%	
7	Ward-7	0.00	0	64%	95%	
8	Ward-8	100.00	0	82%	93%	
9	Ward-9	111.11	0	90%	90%	
10	Ward-10	111.11	0	100%	90%	
11	Ward-11	0.00	0	90%	96%	
12	Ward-12	32.26	0	84%	95%	
13	Ward-13	0.00	0	90%	97%	
14	Ward-14	0.00	0	100%	97%	
15	Ward-15	58.82	0	78%	93%	
16	Ward-16	0.00	0	92%	89%	
17	Ward-17	66.67	0	75%	94%	
	Total	30.77	0	82%	94%	

Incidence of Major Disease's outbreak during last 5 years

Sl. No.	Name of the Disease	Incidents/ Cases Treated	No. of Deaths due to disease
1	COVID	1748	12

2.6 List of Embankments:

S.I NO	Name of the Embankments	Type of embankments	Length of embankments(IN KM)
1	Right embankment of Mahanadi to protect Boudh town.	T.R.E	1.800
2	Right embankment from Irrigation Colony to Chandrachuda Temple	T.R.E	0.645
3	Right embankment from Mahanty Sahi to Jaganath Temple	T.R.E	0.663
4	Right bank of River Mahanadi near Chandrachud Temple	T.R.E	0.080
5	Launching aprons near village Karadi	T.R.E	0.300
6	- do- Near village Ramagarh	T.R.E	0.300
7	Bhubaneswar Temple near Baunsuni	T.R.E	0.800
8	Right bank of River Mahanadi near Harabhanga	T.R.E	1.122
9	Right Embankment of Mahanadi at Khandidhalapur	T.R.E	1.120
10	Mahanadi embankment at Marjakud	T.R.E	0.500
11	Right and left bank of Ballat Nala ear Baliana.	T.R.E	0.340
12	Right bank of river Salki near village Baghiapada	T.R.E	0.180
13	Right bank of river Salki near village Maryadapur	T.R.E	0.060
14	Right bank of river Mahanadi near village Milkud & Kankala & damburugarh	T.R.E	0.300
15	Right bank of river Mahanadi near village Krushnamohanpur	T.R.E	0.300
16	Right bank of river tel near village Malikud	T.R.E	0.450
17	Right bank of river tel near village Ghantapada	T.R.E	0.500
18	Right bank of river tel near village Manikpur	T.R.E	0.250
19	Right bank of river tel near village Kapasira	T.R.E	0.150
20	Right bank of river Mahanadi near village Kudasinga	O.A.E	0.200
21	Right bank of river tel near village Gambharipadar	O.A.E	0.150
22	Right bank of river Salki near village Paljhar firm	O.A.E	0.250
23	Right bank of river Salki near village Erada	O.A.E	0.200
24	Right bank of river Salki near village Girasinga	O.A.E	0.200
25	Left bank of river Salki near village Polam	O.A.E	0.050
26	Right bank of river Tel near village Kamghat	O.A.E	0.100
27	Right bank of river Mahanadi at Manamunda.	O.A.E	0.500
	TOTAL		11.51

2.7 River Carrying Capacity/ Drainage Discharge Capacity;

Name of the River	Gauge Station	Warning Level (in Mts.)	Danger Level (in Mts.)	Highest Flood Level (in Mts)
Mahanadi	Boudh	86.80 M	87.80 M	90.90 M

Identified Old/ Vulnerable Buildings in the City

Sl. No.	Ward No	No. of Vulnerable Buildings	Population at Risk (inhabitants and the neighboring)	Remarks
1	7	1	82	

Details report on Jagamission of ULBs

(PMAY) LRC Status Info as on 16.03.2023, NAC Boudhgarh

Sl No.	Name of Slum	No. Of HHs surveyed	Nos. Of LRC approved	Nos. Of LRC Issued	Nos. Of LRC Pending	Reason for Non-Issuance of LRC
1	Irrigation Colony, W No. 01	116	98	86	12	Premium Deposit pending & Excess Land Pending case
2	Khadala Sahi, W No. 05	71	71	63	8	Premium Deposit pending & Excess Land Pending case
3	Babu Sahi, W No. 06	11	11	9	2	NA
4	Buddhadev Sahi, W no. 07	36	33	33	0	NA
5	Nuasahi-Refugee Colony. W no. 09	59	47	38	9	Premium Deposit pending & Excess Land Pending case
6	Bapujinagar W No. 10	87	78	72	6	Premium Deposit pending & Excess Land Pending case
7	Bapujinagar W No. 16	64	58	43	15	Premium Deposit pending & Excess Land Pending case
	Total	444	396	344	52	

Pradhan Mantri Awaas Yojana-Urban-Boudhgarh NAC		
SI No	Total House Approved	Completed
1	198	186
2	205	196
3	5	4
4	191	181
5	17	13
6	30	30
7	150	147
8	132	116
9	195	172
10	101	77

Chapter III

Resource & Capacity Analysis

3.1 Resource Inventory/ Capacity Analysis:

3.1.1 Water Supply

Resource Type	Details	Numbers	Contacts with Telephone No.
<i>Drinking water</i>	Tankers	2	8117021151
	Overhead tanks	3	9438224778
	Mobile tankers		

3.1.2 Transportation

Resource Type	Details	Numbers	Agency/Association name	Contacts with Telephone No.
Transportation and Communication	BUS	55	Boudh District bus owner association	9937207228
	Truck	450	Boudh District Truck owner association	9437072133
	Boats	02	EO,NAC	9178854689
	Ambulance	03	Medical	8328869259

3.1.3 Debris & Road Clearance

Resource Type	Details	Numbers	Contacts with Telephone No.
<i>Cleaning and Cutting Equipment</i>	Chain Saw	2	9178159005
	Poclain	1	9437207544
	Earthmoving Vehicles JCB/ Cranes	10	9437207544
	Debris/Road Clearance equipment	2	9438606540

3.1.4 Other Resources

Resource Type	Details	Numbers	Contacts with Telephone No.
<i>Other Resources</i>	Tower light	1	9178159005
	Gen sets	1	9178159005
	Pump set	1	9438606540

3.2 Warehousing facilities with capacity

Sl. No	Type of storage structure (Pucca / Asbestos)	Location (WARD no)	Capacity (Qntl)	Contact Person	(Address and Phone no.)	Remarks (Govt./Pvt.)
Nil						

3.3 Health Institutions

Ward (Location)	Health Facilities (UCHC/UPHC/ HWC/ Sub Centre)	Staff Available	Contact number of in charge
Butupali, Ward No-12	UHWC	Yes	9668388188

Other Private Hospitals/ Clinics & Nursing homes details to be annexed

3.4 Police Stations

Police Station/ APR/ OSAP/Outpost	Ward (Location)	Area of Jurisdiction	Staff Available	Name and Contact number of I/C
Boudh PS	4	Danisahi	Inspr-1, SI-4, ASI-05, Cr. HAV-04, Const- 18,	9437871862

3.6 Identified safe shelters (single/Double storied) with capacity:

Sl.No.	WARD	Types of shelter	Capacity (Room & Plinth Area)	Location	Contact Person (Address & Phone no.)	Facilities Available	Remarks (Single or Double)
<u>1</u>	7	Town Hall	300	Rathasahi	9438606540 94	Drinking water Toilet Power Back up Others	Single
<u>2</u>	6	NAC Flood shelter	200	Babusahi			single
<u>3</u>	1	Malisahi UPS		Malisahi	9178854689		single
<u>4</u>	2	Chndrachuda UPS		Bagichasahi			single

3.5 Multipurpose Cyclone/Flood Shelter with capacity:

Sl.	WARD	Types of shelter	Capacity (Room & Plinth Area)	Location	President/ Secretary (CSMMC/ FSMMC)/ Contact person (Address & Phone no.)	Facilities Available	Remarks (Single or Double)
NA							

3.7 Human Resources:

Category	Availability in Number
Doctor	1
Ayush Doctor	0
Fire Officer	0
AWW/Helper	1
Other Health professional	1
ASHA	1
SEM (Tankers/PWS/ Gen sets)	0
Drivers (Road and Water ways)	0
Others	0

3.8 NGOs and CBOs associated with Disaster Management

Name of NGOs and CBOs	Area of Operation	Volunteers available	No of Professional	Contact Address
Nil				

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

Sl. No.	Name of the Scheme/ Project	Total Number of Volunteers	No. of Trained Volunteers			
			Search & Rescue	First Aid	Ham Radio	Others (Specify)
01	MCS/ MFS	0				
02	Aapda Mitra	0				
03	Disaster Management Teams	1				

04	Civil Defence	30	10			
05	Others (Specify)					

3.10 Natural Drainage system

Sl No	Name of the Drain	Length of the drain	Source (Starting point)	End Point	Crossing the ward no
1	Ram Mandir to Mahanandi	3.490 Km	Ram Mandir	Mahanadi, near Marjakud Bridge	1,2,5,15,11,9,6
2	Butupali to Central School	2.129 Km	Butupali	Kendriya Vidyalaya, Boudh	12,17,6,9,10,16

3.11 Sewerage system

Sl No	Name of the Sewerage System	Length of the Sewerage	Source (Starting point)	End Point	Crossing the ward no
NA					

3.12 Storm water Drainage system

Sl No	Name of the Drain	Length of the Drain	Source (Starting point)	End Point	Crossing the ward no
1	Ram Mandir to Mahanandi	3.490 Km	Ram Mandir	Mahanadi, near Marjakud Bridge	1,2,5,15,11,9,6
2	Butupali to Central School	2.129 Km	Butupali	Kendriya Vidyalaya, Boudh	12,17,6,9,10,16

3.13 Automatic dewatering system

Sl No	Location of dewatering system	Capacity	Name of Nodal officer	Contact no	Name of Operator	Contact no
Nil						

3.14 Manual dewatering system

SI No	Location of Pump set for dewatering	Capacity	Name of Nodal officer	Contact no	Name of Operator	Contact no
Nil						

3.15 Waste Management: MCC, Material Recovery Facilities,

SI No	No of Solid Waste Management Plant	No of Micro Composting Center	No of Plastic waste Recycling plant	No of E-waste Recycling Center	No. of Septage Treatment Plant (FSTP)	Water Treatment Plant,	Waste Water Treatment Plant	No of Bio-Medical waste Management Plant
1	1	1	0	0	1	1	0	1

Details are annexed at table no.....

3.15.1 Solid waste Management

Name of the Dumping location	No of Dumping yard	No of ward outsourced	No of ward managed by Municipality/ Corporation	No of Dust bin placed	No of wheel burrows	Daily waste amount	No of staff deployed	No of HH Covered	Name of Nodal officer	Contact no
Sarand, Boudh	1	17	0	10	15	5 TPD	67	4579	Sunil Kumar Pradhan	78735 71575

Source:

3.16 WASH facilities

Ward No	Community Toilet	Area Covered	Sanitary Agency	Contact Person	Contact No	Sanitary Inspector	Sweeper	Antiviral Worker
9	1	Nuasahi, Mahanadi ViharPark	Surendra Barik, BBSR	Sumanta Pradhan	9938382667	Sumanta Pradhan	1	
15	1	Khadalsahi, Khaliabagicha	Surendra Barik	Sumanta Pradhan	9938382667	Sumanta Pradhan	1	
4	1	Daily Market, Danisahi, Rajwati Area	Surendra Barik	Maa Baishnabi SHG	6372628144	Sumanta Pradhan	1	
10	1	Ward No-10 & 16	Surendra Barik	Laxmi Narayan SHG	9861836845	Sumanta Pradhan	1	
6	1	Babusahi, Brahmansahi	Surendra Barik	Jay Maa Singhbahini	8117957270	Sumanta Pradhan	1	
7	1	Rathasahi, Podapada, Jagannath Mandir Area	Surendra Barik	Sumanta Pradhan	9938382667	Sumanta Pradhan	1	

3.17 Land fill sites

Name of the Land fill site	No of Land fill site	No of Dustbin placed	Name of Agency worked	Contact no	Reason of land fill	Duration of work	Name of Nodal officer	Contact no
N A								

3.18 SUH/Other Shelters

Sl No	Ward No	Location of Shelter	No of Bed	Name of Nodal Officer	Contact No	Name of the Shelter I/c	Contact No
1	7	Back Side of SBI, Boudh	50	S Rahman	9583609884	Krupasi ndhu Sarangi	9938126986

3.19 Public Congregation Places

Sl. No.	Name of the Event/ Festival/ Function	Place (Ward No)	Duration of the event (in No. of days)	Month (as per English Calendar)	Strength of population gathering (Approx.)	Remarks (Vulnerabilities associated with the place/ event, if any to the mentioned)
1	Ravanpodi	2	1	April	5000 above	
2	Ramnavami	2	1	April	2000 above	
3	Rathayatra	7	7	July	5000 above	
4	Dhanujatar	7	14	Feb	2000 above	
5	Durgapuja	1	4	Oct	2000 above	

3.20 Fire Safety audit

Sl. No.	Ward	No. of High-Rise Buildings (More than 15 meters) G+4	No. of High-Rise Buildings where Fire & Life Safety Audit has been carried out in last 2 years.	Name of the Fire officer conducted safety audit	Contact No	Remarks
Nil						

3.21 Public Address System

Sl No	Control Room	Social Media	Mass messaging	Telephone/ Mobile	Siren	Megaphone	Miking/Announcement
1	06841-223024	Boudhgarh Nac		9178854689	0	0	2

3.22 Provision of Building codes as per National Building Code of India (NBCI) for Fire and Life safety

3.22.1 Residential Building

No of high-rise building	No of Apartment	No of Hostel in School	No of Hostel in College	No of Hostel in University	No of hotel	No of Guest House	No of Ashram/ Dharmashala	No of starred hotel
2	0	0	2	0	4	1	1	0

Details are annexed in table no-----

3.22.2 Educational Building

No of School	No of College	No of University	No of Coaching class/ tutorial	No of Medical training institute	No Technical training institute
12	2	0	1	0	0

Details are annexed in table no-----

3.22.3 Institutional Building

No of Medical College	No of hospitals	No of UCHC	No of UPHC	No of Dispensary	No of Pvt Clinical Establishment	No of Custodial institution (Jail/ Juvenile home)	No of Old age home	No of Child care home
0	1	1	1	1	0	0	0	0

Details are annexed in table no-----

3.22.4 Assembly Building

No Art Center	No of Theatrical centre	No of Cultural/ festival performing Institution/ center	No of Cinema Hall	No of Museum	No of Park/ Open spaces	No of shopping mall	No of Community Center	No of Restaurant	No of Kalyan Mandap	No of Temple	No of Church	No of Gurudwara	No of Musjid	No of Railway Station	No of Bus Depot/stand	No of Crematorium/ burial/ cemetery
00	00	01	01	01	07	01	01	05	01	06	01	00	01	00	01	01

Details are annexed in table no-----

3.22.5 Business Building

No of Central Govt office	No of State Govt Office	No of post office	No of Bank	No of Police Station	No of Out post	No of Fire Station	No of Laboratories	No of research Institute	No of Library	No of test center	No of telephone exchange	No of Broad casting station	No of TV Station
2	42	3	12	1	0	1	0	0	1	4	1	1	0

Details are annexed in table no-----

3.22.6 Mercantile Building

No of Vending Zones	No of Markets	No of Street vendor	No of Medicine Store	No of Vehicle/ Cycle parking area	No of Hata	No Under ground Shopping center	No of Go downs	Shopping complex area >300m ² & < 500 m ²	Shopping complex area >500m ² & < 5000 m ²
2	2	480	12	2	1	0	0	1	0

Details are annexed in table no-----

3.22.7 Industrial Building

No of Industrial Estate	No of Large-Scale industry	No of Small-Scale Industry	No of MSME	No of Potential Cluster of Handicraft unit
Nil				

Details are annexed in table no-----

3.22.8 Storage Building

No of Cold Storage	No of Truck Terminals	No of Guarages
Nil	Nil	0

Details are annexed in table no-----

3.22.9 Hazardous Building

No of petrol pumps	No of Kerosene Depot	No of LPG Depot	No of CNG filling Station	No Gas agency/ Dealer points	No of Chemical storage/ production / uses industry
2	0	1	0	1	0

Details are annexed in table no-----

Chapter IV

Preparedness Plan

4.1 Preparation/Updating of Disaster Management Plan of City/ Municipality/NAC.

Sl No.	Activity	Timeline (Month/Year)	Remarks
	Preparation of CDMP	March-2023	
	Sharing of Plan with Stakeholders	March-2023	
	Review of the Plan	February (Each year)	
	Updating of the Plan	March (Each year)	

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 Ward level (a paragraph to be added)

4.2.1 Ward Disaster Management Plan (50 Words)

Ward wise nodal officer assigned for provide instant support and information discrimination about the different disaster and the warning issue by the SRC. The Nodal officer provides their report to EO and also consult with the counselor for prepare the ward wise disaster management planning.

4.2.2 Zone Disaster Management Plan (50 Words)

The EO, NAC is the zonal officer of all the wards. During the time of any disaster the EO NAC personally reporting and address the problem of the disaster victims. The Kalyan Mandap of this NAC is also being used for the shelter of general public at zone level during according of folded or water logging. Pump set will be used to immediate clearance of the water from the water logging area.

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

The District level as well Shelter level Mock drills exercise conducted by DDMA on 19th June in every year in four numbers shelter of the Boudh district for flood preparedness and generate the awareness among the shelter management committee as well as the villagers in the district. The Mock exercises will helps to assess the district /Block/ Shelter level preparedness plans, readiness and staus of the equipments available with different stakeholders. The Committee members and the villager also known about the agencies work for them and how to coordinate among themselves during the time of disaster for minimum loss of property and zero causality in their area.

The mock drills exercise conducted by the DDMA on annual basis with fulfill the Followings objectives i.e

- To orient the role & responsibility of the committee members as well as the task force members of the shelter management committee.
- To highlights the role and responsibility of the departments / agencies working at different level in the district
- To orient about the Standard operating procedure & guidelines develop by SDRF /NDRF
- To evaluate the status of the response mechanizing and different equipments available in the district.
- To establish coordination and support among the different stakeholders working in disaster management activities in the district.
- To identify the gaps and develop the address mechanism related to disaster management in the district

4.2.5 Table Top Exercise to assess preparedness (50 Words)

The District administration and block administration have been organized different preparedness meeting on different disaster like DLNCC, Heat wave, snake bites and lightening in the block and distributed different IEC materials as per the direction of government .All the department submit their preparedness planning to tackle the disaster situation and based on the plan the block administration submit the information to prepared and update the DDMP in every year and approval by the DDMA .

4.2.6 Training & Capacity building in the Block

The block administration have plan to organized tranining programme to youth vounteers, college student and the school children on disaster mangemnet activities in all aspect on SDRF and NDRF norms to generate the awareness among the difernt stakeholder in the block as well the district to develop a chain to properly tackle the unforeseen disaster in their area

4.3 Awareness Generation Activities (Annexure Leaflets)

Sl No.	Subject	Participants	To be Facilitated by	Month (Suggestive only)
1	Heat wave	200	CDMO	February
1	Cyclone & Flood safety	500	EO	March
2	Lightning	500	EO	April
3	Snakebite	500	CDMO	May
4	Sanitation & Hygiene	500	CDMO	June
5	Drowning Prevention	500	Block	October
7	Epidemic/Pandemic	200	CDMO	November
8	Chemical Emergency	0		January
	Others			

4.4 Stakeholder mapping

Sl	Level	Designation	Contact (Landline)	Contact (Mobile)
1	City /Municipality/NAC	Mayor		
2		Secretaries of Departments/		
3		Commissioner		
4		District Collector		9437965778
5		ADM		7008072527
6		Chairman Municipality		
7	Sub Division	Sub Collector		6370907913
1	NAC Executive Officer			
2	Satya Narayan Pradhan	Zone Officer	06841 223024	9178854689
3		MO I/C		
4		CDPO		9437299015
5	Suparna Mohanty	CO		9439813128
	Satya Narayan Pradhan	Shelter Nodal Officer		9178854689
1	WardNo-1, Mr Shyamsundar Barik	Councilor		7873034214
3	Suparna Mohanty	WO		9439813128
5	Suchitra Dehury	AWW		9777371668
6	WardNo-2, Mr Debasish Bishi	Councilor		9658427854
8	Ashok Kumar Mahakud	WO		8117021151
10	Suchitra Dehury	AWW		9777371668
11	WardNo-3, Mrs Manjubala Sahu	Councilor		7852910408
13	Ashok Kumar Mahakud	WO		8117021151
	Sushree Subhasmita Pande	AWW		7750009848
	WardNo-4, Mrs Damini Agrawala	Councilor		7978842738
	Ratikant Mahapatra	WO		9438306335
	Suchitra Dehury	AWW		9777371668

	WardNo-5, Mrs Manini Amat	Councilor		7077001666
	Bhagirathi Karna	WO		9178056317
	Sunanda Naik	AWW		9658157868
	WardNo-6, Mrs Santoshini Nepak	Councilor		8144102202
	Suparna Mohanty	WO		9439813128
	Sunanda Naik	AWW		9658157868
	WardNo-7, Miss Sasmita Meher	Councilor		8117946978
	Sangram Dehury	WO		9938091434
	Sushree Subhasmita Pande	AWW		7750009848
	WardNo-8, Mrs Laxmi Meher	Councilor		NA
	Sangram Dehury	WO/CO		9938091434
	Sushree Subhasmita Pande	AWW		7750009848
	WardNo-9, Mrs Swarnalata Dalei	Councilor		7008336910
	Amiya Kumar Behera	WO		8093802454
	Basudha Bhabasagar	AWW		7381956167
	WardNo-10, Mr Bharata Naik	Councilor		7008548867
	Manas Behera	WO		
	Basudha Bhabasagar	AWW		7381956167
	WardNo-11, Mrs Subhasini Sethy	Councilor		9078069785
	Jashobant Mohanty	WO		8908530802
	Basudha Bhabasagar	AWW		7381956167
	WardNo-12, Mrs Bunduri Naik	Councilor		7873033964
	Rajeswar Pradhan	WO		9861826100
	Rita Majhi	AWW		6370937718
	WardNo-13, Mr Dhabaleswar Majhi	Councilor		6371276003
	Bhagyddhar Dehury	WO		7381619656
	Subhadra Dehury	AWW		9853483018

	WardNo-14, Mr Radheshyam Sethy	Councilor		7328056686
	Amiya Kumar Behera	WO/CO		8093802454
	Laxmi Naik	AWW		9938848111
	WardNo-15, Mr Narayan Dalabehera	Councilor		9777637212
	Bhgairathi Karna	WO		9178056317
	Sunanda Naik	AWW		9658157868
	WardNo-16, Mrs Chandrika Behera	Councilor		9556238716
	Manas Behera	WO		
	Rita Majhi	AWW		6370937718
	WardNo-17, Mrs Gurubari Beriha	Councilor		9938256007
	Bibhu Ranjan Patra	WO		9556178900
	Rita Majhi	AWW		6370937718

Contact Number of ASHA selected at NAC Area of Boudh

<u>Sl. No.</u>	<u>Name of the ASHA</u>	<u>Address</u>	<u>Working Area</u>	<u>Contact Number</u>
<u>1</u>	<u>Arati Behera</u>	<u>Malisahi, Ward No.1</u>	<u>Ward No. 1</u>	<u>7077450297</u>
<u>2</u>	<u>Junju Dalei</u>	<u>Bagicha Sahi, Ward No.2</u>	<u>Ward No. 2</u>	<u>9938552218</u>
<u>3</u>	<u>Pranati Bishi</u>	<u>Keuta Sahi, Ward No.3</u>	<u>Ward No. 3 & 4</u>	<u>7077334393</u>
<u>4</u>	<u>Sasmita Behera</u>	<u>Khadal Sahi, Ward No.5</u>	<u>Ward No. 5</u>	<u>7077335257</u>
<u>5</u>	<u>Debaki Patro</u>	<u>Babu Sahi, Ward No.6</u>	<u>Ward No. 6</u>	<u>8280039120</u>
<u>6</u>	<u>Subhasmita Sethi</u>	<u>Budhadeb Sahi, Ward No.7</u>	<u>Ward No. 7</u>	<u>9556978809</u>
<u>7</u>	<u>Namita Mishra</u>	<u>Podapada, Ward No.8</u>	<u>Ward No. 8 & 9</u>	<u>6372582073</u>
<u>8</u>	<u>Manashi Behera</u>	<u>Bapujinagar, Ward No.16</u>	<u>Ward No. 10 & 16</u>	<u>8480778270</u>

<u>9</u>	<u>Rita Raj</u>	<u>Rajanpali, Ward</u> <u>No.11</u>	<u>Ward No. 11 & 15</u>	<u>6372631337</u>
<u>10</u>	<u>Rasmita Bagha</u>	<u>Butupali, Ward</u> <u>No.12</u>	<u>Ward No. 12 & 17</u>	<u>8144679768</u>
<u>11</u>	<u>Jhumi Sethi</u>	<u>Marjakud, Ward</u> <u>No.13</u>	<u>Ward No. 13 & 14</u>	<u>8018957962</u>

4.5 Status of preparation of WARD DMP

Sl	Total number of WARDS	WARD DMP Prepared (Yes/No)
1	17	

Chapter V

Response Plan

5.1 City/ Municipality/NAC Disaster Management Core Committee:

Sl.	Designation	Office Contact	Mobile Number
1	Executive Officer	06841 223024	9178854689
2	Tahasildar		9337511564
3	City Engineers /Asst. Executive Engineer	06841 223024	9937084244
4	ADUPHO/MO I/c		9668388188
5	CDPO		9437822552
6	Community Organizer	06841 223024	9439813128
7	City/ Municipality/NAC SDVO/Veterinary Officer		7978156107
8	CSO/ Marketing Inspector		7606031600
9	WARD Officer		8093802454
10	IIC		9556969888
11	Station Officer, Fire Services		6370503759

5.2 Zonation of City/ Municipality/NAC

SL	Name of the officer	Name of WARDS assigned	Contact details of the Officer
1	Satya narayan Pradhan	1 to 17	9178854689

5.3 Ward Nodal officer

SL	Name of the Ward	Nodal officer	Contact details of the Officer
1	Malisahi	Suparna Mohanty	9439813128
2	Bagichasahi	Ashok Kumar Mahakud	8117021151
3	Keutasahi	Ashok Kumar Mahakud	8117021151
4	Daily Market	Ratikant Mahapatra	9438306335
5	Khadalsahi	Bhagirathi Karna	7608081974
6	Babusahi	Suparna Mohanty	9439813128

7	Rathasahi	Sangram Dehury	9938091434
8	Podapada	Sangram Dehury	9938091434
9	Nuasahi	Amiya Kumar Behera	8093802454
10	Bapuji Nagar	Manas Behera	
11	Rajanpali	Jasobanta Mohanty	8908530802
12	Butupali	Rajeswar Pradhan	9861826100
13	Marjakud	Bhagyadhar Dehury	7608081974
14	Marjakud	Amiya Kumar Behera	8093802454
15	Khaliabagicha	Bhagirathi Karna	7608081974
16	Bapuji Nagar	Manas Behera	
17	Butupali	Bibhu Ranjan Patra	9556178900

5.4 Relief Officer

SL	Name of the Ward	Relief Officer	Contact details of the Officer
	1-5 ward	Amiya Kumar Behera	8093802454
	6-9 & 13-14 ward	Ashok Kumar Mahakud	8117021151
	10-12 & 15-17 ward	Surjit Purohit	8018537101

5.5 Shelter Coordination Officers

SL	Name & Address of the Shelter	Assigned Coordination Officer	Contact details of the Officer
	NAC flood shelter	Amiya Kumar Behera	8093802454
	Town hall	Ashok Kumar Mahakud	8117021151

5.6 Emergency Support Functions

Sl	Assigned Task	Nodal Person & Designation	Contact	Checklist
1.	Communication: Control Room/ Warning Dissemination	Amiya Kumar Behera	8093802454	<ul style="list-style-type: none"> Disseminate the warning to WARD Coordinate with the Departments for warning updates
2	Evacuation	Jagamohan Maharana	9040892372	<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	Rajeswar Pradhan	9861826100	<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	Rajeswar Pradhan	9861826100	<ul style="list-style-type: none"> • Removal of trees, poles • Clearance of roads
5	Shelter management	Amiya Kumar Behera	8093802454	<ul style="list-style-type: none"> • Shelters Identified • Drinking water • First aid essentials • Free kitchen • Care for elderly, PWD, Children. Pregnant/ lactating woman <p>Nodal person designated</p>
6.	Relief Management	Rajeswar Pradhan	9861826100	<ul style="list-style-type: none"> • Identify relief distribution points • Stocking of relief materials <p>Identifying the potential dealers</p>
7	Drinking Water & Sanitation	Ashok Kumar Mahakud	8117021151	<ul style="list-style-type: none"> • Identify drinking water sources • Disinfection of Drinking water sources • Testing the quality of water
8.	Public Health Services	Medical officer	9668388188	<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

				<ul style="list-style-type: none"> • 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 taskforces on use of medicine and first aid • Daily disease report collection and analysis • Preventive measures
9	Human Casualty Management	Jagamohan Moharana	9040892372	<ul style="list-style-type: none"> • Mortuary space designated • Help desk counter • Staff assigned • Recording of the identity • Reporting the status to Commissioner/ EO
10	Damage & Loss Assessment	Tahasildar	9437305355	<ul style="list-style-type: none"> •
11	Energy	EE TPSODL	9437959905	<ul style="list-style-type: none"> • Identify strategic location • Prepositioning of man & material • Immediate stock taking • mobilisation of man & material
12	Transport	Sumanta Pradhan	9938382667	<ul style="list-style-type: none"> • Identify vehicles and drivers • Traffic Control
13	Public Works	Pabitra Mohan Pradhan	9937084244	<ul style="list-style-type: none"> • Prepositioning of Man & materials • Identify vulnerable infrastructures
14.	Information & Communication	Amiya Kumar Behera	8093802454	<ul style="list-style-type: none"> • Alternate communication source in place • Alternate internet facilities in place
15	Media Management	Satya narayan Pradhan	9178854689	<ul style="list-style-type: none"> • Situation update • Temporary shed for VIPs • Media Assemble point • Media and VIP briefing Note

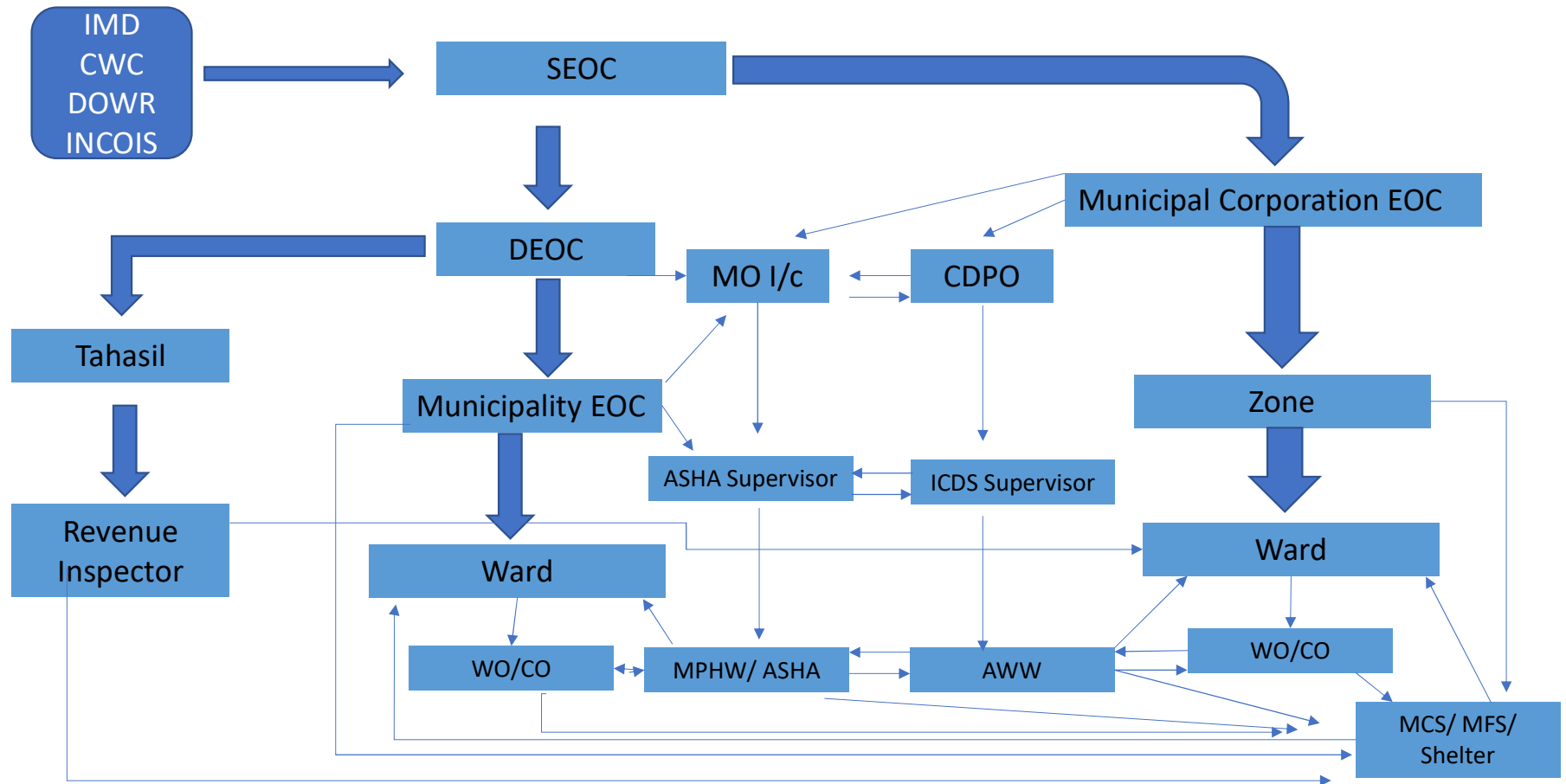
16	Animal Health Care	ADVO	9437191188	<ul style="list-style-type: none"> • Animal population with categories • Possible problems related to different hazards • Dealer of feeds/fodder • List of cow sheds • Site camps with volunteers • Program for mass vaccination • Trained the taskforce to use of medicine • coordinating with others • Carcass Disposal
17	Law & Order	IIC	9437871862	<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
MIS Computer Programmer	Housing & Urban Development Department	24 x 7	Normal		

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
Amiya Kumar Behera	8093802454			
Suparna Mohanty	9439813128			
Omprakash Beriha	9861638138			

Odisha Disaster Rapid Action Force (ODRAF)

Sl.No.	ODRAF Bn.	Raised in the Year	Location (Block)	No. of Persons in each BN.	Contact Details (Commandant)
1	IR Battalion, Boudh	2015-2016	Boudh	47	Phone: 06841-222238 9348729445 (M) 9438316167 (M) comdt5thirbn.odpol@nic.in

Chapter VI

Reconstruction & Rehabilitation

6.1 RECONSTRUCTION & REHABILITATION

Rehabilitation and reconstruction are primarily carried out by the local bodies of different area and its comes under recovery phase immediately after relief and rescue operation of the disaster .The operations are integral to disaster recovery to provide a direct ‘connect’ between disaster response and long-term development. These two activities, however, do not have similar connotation. Rehabilitation involves restoring local services related to the provision of immediate needs i.e damage assessment, disposal of debris, disbursement of assistance for houses, formulation of assistance packages, monitoring and review, cases of non-starters, rejected cases, non-occupancy of houses, relocation, town planning and development plans, awareness and capacity building, housing insurance, grievance redress and social rehabilitation, etc. 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. This process continues until the life of the affected people comes to normal.. The district and the block administration is at the primary level with requisite resources to respond to any natural calamity, through the issue of essential commodities, group assistance to the affected people, damage assessment and administrating appropriate rehabilitation and Reconstruction measures.

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.

6.2 Post Disaster Needs Assessment (Write a Paragraph)

The Post-Disaster Needs Assessment (PDNA) is an internationally accepted methodology for determining the physical damages, economic losses, and costs of meeting recovery needs after a natural disaster through a government-led process. Post-Disaster Needs Assessment (PDNA) encompasses two perspectives: (i) the valuation of physical damages and economic losses; and, (ii) the identification of human recovery needs based on information obtained from the affected population

The assessment of the PDNA issues focuses on the following main elements:

1. To assess the damage to infrastructure and assets of -related institutions;
2. To assess the disruption of services provided by institutions, and access to these by affected communities;
3. To assess the risks that may have developed as a result of the disaster and that, if not addressed, may deteriorate disaster conditions or put at risk the recovery process, and to identify the measures needed to address these;
4. To Identify the gaps and needs that must be addressed in the recovery strategy
5. To identify the capacity-building measures needed to ensure a resilient recovery by building back better.

Housing (100 Words)

The aim of the Post-Disaster Needs Assessment (PDNA) is to assist governments to understand the full extent of a disaster's effect and impact, and the needs of the affected population. By informing the Recovery Roadmap and the Recovery Action Plans, and by defining a strategy for mobilising the financial and technical assistance required, the PDNA ensures that the housing and settlement response is appropriate to the needs and that the overall response is adapted to the evolving circumstances. The PDNA, being a rapid and comprehensive multi-sectoral assessment of an event, provides the required overarching approach and orientation to initiate the recovery planning process. It refers and builds on previous assessments of the same event, existing plans and local profiles, takes into account people's livelihoods, and identifies their capacities and available resources to reach recovery and initiate reconstruction. The general objective of the sector assessment is to assist the government at all levels in understanding the effects and impact of the event on the Housing Sector and to improve the quality of outcomes from the recovery process in housing and settlement reconstruction.

Infrastructure (100 Words)

The PDNA also focus on the aspects of infrastructure damages such as road, building, electricity, water supply and the network system. these are the essential elements to address after post disaster and all the aspects have deal by different departments as per their local staff .All the local government primarily monitoring about the progress for sake of local people .As per SDRF norms, the government provide separate fund to immediate restoration the activities with adequate privileges to the local people in their respective jurisdiction.

Livelihoods (100 Words)

Livelihoods are also shaped by the changing natural environment. The quality of soil, air and water; the climatic and geographic conditions; the availability of fauna and flora; and the frequency and

intensity of natural hazards all influence livelihood decisions. How people access and use these assets, within the aforementioned social, economic, political and environmental contexts form a livelihood strategy. The range and diversity of livelihood strategies are enormous. An individual may take on several activities to meet his/her needs. One or many individuals may engage in activities that contribute to a collective livelihood strategy. Within households, individuals often take on different responsibilities to enable the sustenance and growth of the family. In some cultures, this grouping may expand to a small community, in which individuals work together to meet the needs of the entire group.

Livelihood Vulnerability: The strength of a given livelihood is not only measured by its productive outcomes, but equally by its resilience to shocks, seasonal changes and trends. Shocks might include natural disasters, wars, and economic downturns. Availability of resources, income-generating opportunities, and demand for certain products and services may fluctuate seasonally. More gradual and often predictable, trends in politics and governance, technology use, economics, and availability of natural resources, can pose serious obstacles to the future of many livelihoods. These changes impact the availability of assets and the opportunities to transform those assets into a “living”. Under such conditions, people must adapt existing strategies or develop new strategies in order to survive.

Livelihood Interdependence One final important characteristic of livelihoods is their interdependence. Very few livelihoods exist in isolation. A given livelihood may rely on other livelihoods to access and exchange assets. Traders rely on farmers to produce goods, processors to prepare them, and consumers to buy them. Livelihoods also compete with each other for access to assets and markets. Thus positive and negative impacts on any given livelihood will, in turn, impact others. This is a particularly important consideration when planning livelihood assistance.

Others (100 words)

Social equity is a key consideration in post-disaster recovery because disasters affect different groups of people in different ways and an equitable response is necessary. Recovery processes have the potential to reinforce social inequities or to contribute to greater equality between differentiated social groups, such as those based on age (for example, the elderly, orphans or unaccompanied or separated children, child-headed households), gender or ethnicity. Gender is particularly important because women and men have different resources available to them and different coping strategies, which need to be understood and recognized in the recovery plan, and because women and girls are often discriminated against and excluded from decision-making relating to community infrastructure needs and priorities. The elderly and the young are particularly exposed to hazards, because of their relative lack of mobility and dependence on others, and have particular levels of sensitivity to disasters once they occur. Similarly, the risk of exclusion of these groups from relief and recovery is high and they will often require special efforts and approaches.

6.2 Existing Schemes

Sl No.	Ward no.	Name of the Projects/Work/Ongoing Activity	Sector (Housing/ Livelihood/ Infrastructure/ Others)	Executing Departments/ Name of the I.A (MSG/SDA)	Value of Work (W.O)	Date of Completion
1	7	Construction of Pathway and Drain at J D Udyan	Infrastructure	Subhasmita MSG	6,07,200	10.01.2023
2	7	Construction of Pathway and sitting area Nr open air gym at J D Udyan	Infrastructure	Kadambari MSG	10,28,900.00	15.01.2023
3	7	Construction of Pathway Nr Tubewell at J D Udyan	Infrastructure	Matrushakti MSG	7,45,900.00	05.01.2023
4	7	Earthfilling at J D Uadyan Left Side near Tubewell and Open Gym portion	Infrastructure	Hari Mandir MSG	9,90,200.00	15.11.2022
5	7	Construction of Boundary Wall and Entrance gate for J D Udyan backside	Infrastructure	Jaga Balia MSG	4,36,900.00	14.11.2022
6	7	Construction of Boundary Wall and Entrance gate for J D Udyan left side	Infrastructure	Siba Shankar MSG	7,72,400.00	14.11.2022
7	7	Construction of Boundary Wall and Entrance gate for J D Udyan (right side)	Infrastructure	Maa Tarini MSG	7,00,000.00	10.11.2022
8	7	Construction of Paver block Road inside J D Udyan in front of Education Dept. Quarters	Infrastructure	Laxmipriya MSG	4,38,000.00	05.01.2023
9	1	Construction of Boundary Wall for Rameswar Udyan on left side	Infrastructure	Mahalaxmi MSG	7,09,300.00	25.09.2022
10	1	Landscaping at Rameswar Udyan	Livelihood	Shreedevi MSG	8,58,401.00	25.09.2022
11	1	Construction of Boundary Wall for Rameswar Udyan on right side (Malisahi side)	Infrastructure	Baba Chandrachuda MSG	9,84,300.00	25.09.2022
12	1	Wall Painting at Rameswar udyan		Jaya Durga MSG	2,93,000.00	28.09.2022
13	1	Construction of Boundary Wall for Rameswar Udyan on left side	Infrastructure	Omm Namah Shivaya MSG	6,87,600.00	25.09.2022

		(Malisahi side)				
14	1	Supplying, fitting and fixing of FRP Benches at rameswar Udyan	Infrastructure	Maa Baishnabi MSG	3,50,645.00	29.09.2022
15	9	Construction of Vending Zone at Nuasahi infront of Museum Block C	Livelihood	Saishree MSG	6,58,700.00	15.03.2023
16	9	Construction of Vending Zone at Nuasahi infront of Museum block B	Livelihood	Maa Mahamayee MSG	3,67,800.00	15.03.2023
17	9	Construction of Vending Zone at Nuasahi infront of Museum Block A	Livelihood	Gayatri MSG	9,94,800.00	11.01.2023
18	11	Construction of Vending Zone at Jamu Chhack Nr Ghasi Meher Tank	Livelihood	Radha Gobinda MSG	9,47,500.00	10.10.2022
19	6	Construction of Walking track at Stadium North east Side	Livelihood	Uma Devi MSG	9,42,200.00	05.01.2023
20	6	Construction of Walking track at Stadium West Side	Livelihood	Baruna MSG	8,76,817.00	15.01.2023
21	6	Construction of Walking track at Stadium South Side	Livelihood	Pabanaputra MSG	7,33,214.00	21.01.2023
22	10	Site Development and fixing of Gym equipments Near Sankhachuda Bandha	Infrastructure	Maa Bhairabi MSG	5,08,700.00	16.01.2023
23	1	Electrification work file at Rameshwar Udyan	Infrastructure	Chandrachuda MSG	14,34,000.00	30.09.2022
24	7	Electrification work file at J D Udyan (To be renamed later)	Infrastructure	Jogamaya MSG	11,15,000.00	13.12.2022
25	9	Construction of Walking Track outside Kacheri Padia infront of Sishu Mandir School	Infrastructure	Maa Gupteswari MSG	6,35,000.00	14.01.2023
26	9	Construction of Walking Track outside Kacheri Padia (right side of Court boundary wall)	Infrastructure	Jaya Bira Hanuman MSG	8,28,000.00	14.01.2023
27	6	Procurement of Gym and Child Play equipments from Nirmal Solutions Agency	Infrastructure	NA	85,72,200.00	28.01.2023

28	1	Construction of Vending Zone at Biju pattnaik Chhack (Block A-7 shops)	Livelihood	Jaya Guru MSG	12,54,000.00	05.04.2023
28	1	Construction of Vending Zone at Biju pattnaik Chhack (Block A-8 shops)	Livelihood	Jay Durga MSG	15,19,000.00	05.04.2023
					3,09,89,677	

Chapter VII

Mitigation Plan

7.1 Ways & Means to reduce the impact of various disasters:

Mitigation planning reduces loss of life and property by minimizing the impact of disasters. It begins with state, tribal and local governments identifying natural disaster risks and vulnerabilities that are common in their area. After identifying these risks, they develop long-term strategies for protecting people and property from similar events. Mitigation plans are key to breaking the cycle of disaster damage and reconstruction.

The preparation of a post-disaster-reconstruction/hazard-mitigation plan provides the technical analysis, coordination among governmental agencies, and community involvement and consensus building necessary to increase resilience to natural and related technological hazards. Communities with coherent plans are able to build human settlements that are resistant to disasters and able to recover from disasters quickly.. The challenge for governments at every level is to act on the knowledge that is available to reduce or even reverse the steady rise in destruction and human suffering from disasters.

Early warnings can be issued for the disasters like; floods, heatwave and sometimes for whirlwind. But it is always advisable to take preventive & mitigation measures in taking the vulnerability conditions to different kinds of hazards. The concepts of prevention, mitigation and preparedness are often used interchangeably. However, these three concepts and their practices are very different.

Prevention consists of actions that reduce risk from natural or manmade disaster incidents. It is a measure to lower the probability of a scenario from happening. Preventive action plan measures has been prepared & discussed with core committee meeting before heatwave situation and before occurrence of monsoons to prevent flood situations. Instructions also issued to various departments at the District level to take preventive measures and follow the disaster wise action plans.

Mitigation measures lower the severity of the consequence. Any action taken to minimize the extent of a disaster or potential disaster is known as Mitigation measures. Mitigation embraces all measures taken to reduce both the effect of the hazard itself and the vulnerable conditions to it in order to reduce the scale of a future disaster. Therefore mitigation activities can be focused on the hazard itself or the elements exposed to the threat. So Mitigation can take place before, during or after a disaster, but the term is most often used to refer to actions against potential disasters. Mitigation measures are both structural & non-structural.

CHANGE IN STRATEGY/PREPAREDNESS IN MITIGATION:

To face such type of eventuality the Govt. of Odisha particularly the Revenue & Disaster Management Department after super cyclone in 1999 changed the approach from mitigation to preparedness. So in R & DM Department separate wings are added which is known as OSDMA headed by one IAS as Managing Director OSDMA. 5 no's of shelter have constructed in Boudh

district with properly equipped. The equipment like flood light, Aska Light, Life Jacket, Chain saw. Combi tool etc which are very essential during flood & cyclone time which are provided by OSDMA keep ready in four multipurpose flood and cyclone shelter. Four nos of Fire station also established in Boudh district with well-equipped instruments & trained fire personnel. Apart from that in 2019 in two numbers of ODRAF team stationed in Boudh in 5th IRB. So, both fire & ODRAF team are ready in their own arrangements to face any kind of eventuality.

Floods

From the Past history it is seen that flooding frequency is quite frequent in NAC area. So enforcement of flood zone regulations need to be done to prevent any type of constructions within 200m of river banks following the DRR principles. Engineering solutions like building of flood embankments, small dams, channels may be considered for specific localities.

Persons living in the low-lying parts of flood areas are more vulnerable to flood hazards. So their safety & security and evacuation at the time flood times should be priorities

Some aspects of flood planning and preventive measures to be taken:-

- Strengthening coordination mechanism of different line departments
- Issuing warnings to the community level and receiving the status back for prompt action.
- Focus on capacity building of local youths on preventive & rescue measures.
- Embankments or clear debris from drainage areas, pile sand bags
- Stock pile needed materials
- Facilitating agricultural recovery
- Planning emergency supplies of flood and clean drinking water
- To conduct trainings on search and rescue
- There is need for trained full time fire brigade personnel in each NAC who will help in search and rescue.
- The health department needs to be equipped with more water quality monitoring centres for effective surveillance of water quality during flood events & stock of lase saving medicines and snake bite medicines.
- Provision of wireless communication equipment
- Involving NGOs supports to cooperate in taking preventive measures
- Ensuring the maintenance of Flood shelter centres and readiness of materials before disaster situations.
- Reviewing the Height of the embankment points identified for repair of the vulnerable/ affected points.

Heat Wave situations

Day by day the Heat wave situations are going to alarming in the NAC. The temperature goes up to 46 degree in Headquarter. Hence, preventive measures are inevitable otherwise the situations will become worse. Keeping on view of Heat wave situations & water crisis the following preventive measures has **taken at NAC Level.**

- Review on News Paper Clippings on Drinking Water Issues & Heat wave Situation of the NAC & submission of Action Taken Reports to the district

- Separate Staffs Deployed to monitor complaints / grievances & News Paper Clippings relating to Water Scarcity and Heat wave problems.
- The positions reviews to supply water through tankers where necessary.
- Heat wave action Plan of Govt of Odisha circulated to all the stakeholders for follow up & reviews.
- Daily Reporting system is being operational regarding heat wave situations & treatment of patients.
- Liaison with the department of RWSS & PHED for taking care of the repairing, restoration and installation of tube-wells to avoid any water shortage. They are also providing water through tanker to those villages where water shortage is reported.

Instructions also issued

- To EE, RWSS for Immediately Repair Non functional Tube wells & non functional Pipe water Schemes of the District.
- To SE ,WESCO regarding solve the Electricity problems relating to Pipe water supply & ensure uninterrupted power supply for the Drinking water supply units, School hostels & uninterrupted power supply to people aside the reason of non-payment of dues specially in the Heat wave periods.
- Opening of Jalachhatras in public gathering places by EO of ULBs
- Keeping ready of Heat wave beds for Sun stroke patients and stock & supply for life saving medicines and ORS packets till ASHA and AWC level by the CDMO.
- Instructed to the CDVO for taking necessary arrangement for construction of vats near tube wells and sanitary wells for drinking water of animals.
- Instructed to Fire Officer to keep more alert to address any unforeseen situations during summer
- Requested to DIPRO for publicity of Awareness messages of Do & Don't and submission of news in any news papers relating to Water scarcity & heat wave situation for compilation & action taken report at our level.

Drought

- Kharif season is from April to September, the NAC experienced rainy season from June to September. There are no major irrigation projects in the NAC area.
- Conducting Planning meeting before the beginning of agricultural situations.
- Reviewing the functioning of irrigation facilities
- Providing instructions for adopting the suitable cropping patterns for casting the drought situations.
- Drought control rooms also being operational in the office of DDA & DAO offices as a preventive measure to provide support to the farmers.
- Provisioning alternative water source like; lift and minor irrigation to provide life saving irrigation to avoid draught like situation due to crop loss.

Fires:

- Fires services should be remain more alert in all the periods and especially in summer & rainy

seasons so as reach in time to prevent the severe disaster situations.

- Land line number of all the Fire offices circulated to all the Wards for direct contact during emergencies instead of dialling the number 101 to save time.

Lighting:

- Community awareness to be done so as to avoid outside visits during lighting times. Agricultural workers are more vulnerable to lighting and they should be remaining more alert in the time of lighting.

Common Preventive measures could be:

- Establishment of Control Rooms
- Plan updating in each years
- Strengthening Communication system
- Formation of Team members & their capacity Building
- Organising mock Drills
- Community awareness on Various Disasters (Display of Hoardings & distributed of IEC materials)
- The following are the some of the categories of Structural & Non structural measures taken in the Districts towards Prevention & mitigation measures.

7.2 Community level Mitigation Pogram

Include hazard specific mitigation measures and schemes Proposed in the WARD DMP

Sl No.	Ward	Hazard Specific Mitigation Plan for	Required Intervention	Executing Department	Fund Required	Time Frame
1.	1-17 ward	Flood	Repairing of Internal Roads in all wards & desilting of Drains	NAC		
2.	1-17 ward	Flood	Repairing of Culverts, Cover Slabs & Drain in	NAC		
3.	1-17 wards	Flood	Cleaning of Sanitation & Hazardous Waste regularly	NAC		
4.	1-17 wards	Flood & Heat wave	Supply of Drinking Water in	NAC		
	1-17 wards	Flood	Repairing of CC Roads Drains in	NAC		

	1-17 wards	Flood	Construction of RCC Drain & Pavor Blocks Roads in	NAC		
	13 & 01 Ward	Flood & Heat Wave	Construction of Kalyan Mandap	NAC		
	01 ward	Flood	Construction of Auditorium	NAC		
	9, 10, 16 ward	Flood	Storm Water Drainage system	NAC		
	1, 2, 3, 7 ward	Flood	Flood Protection Wall	Irrigation		
	01 Ward	Flood	Approach Road to FSTP	NAC		
	10 & 16 ward	Flood	Construction of Road	NAC		
	1-17 ward	Flood	Construction of Mission Shakti Gruha	NAC		

7.3 Short Term Mitigation Plan: (100 words)

Cleaning of drains, desalting of Drains, Awareness for different disaster rescue activities, continue sanitation work in regular basis etc.

1. Repairing of Internal Roads in all wards & desilting of Drains in 1-17 ward
2. Repairing of Culverts, Cover Slabs & Drain in 1-17 ward
3. Cleaning of Sanitation & Hazardous Waste regularly in 1-17 wards
4. Supply of Drinking Water in 1-17 wards

7.4 Medium term Mitigation Plan: (100 Words)

Some Culverts, CC roads pavor block roads, Drainage are being constructed

1. Repairing of CC Roads Drains in 1-17 wards
2. Construction of RCC Drain & Pavor Blocks Roads in 1-17 wards

7.5 Long Term Mitigation Plan: (100 Words)

Community Center, Kalyan Mandap, Mission Shakti Gruha are being constructed

1. Construction of Kalyan Mandap in Ward no- 13 & 01
2. Construction of Auditorium in ward no-01
3. Storm Water Drainage system inward no- 9, 10, 16
4. Flood Protection Wall in ward no- 1, 2, 3, 7

5. Approach Road to FSTP in Ward no-01
6. Construction of Road in ward no-10 & 16
7. Construction of Mission Shakti Gruha in 1-17 ward

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

8. Annexure

1. Administrative Map
2. Hazard Map
3. Road Network (Relief Lines)
4. River & Embankments
5. List of volunteers
6. Important Contact information (District/ City/ Municipality/NAC/ Ward)

1 Relief Lines: NAC to Different ward

Sl. No	Name of the Road		Type of Road & Length	Vulnerability of the route (Description of the Vulnerability)	Coverage
	From	To			
1	NAC office	Marjakud	Puccha Road- 2.5 Km	1 bridge	Babusahi, Podapada Bramahamsahi, Nuasahi & Marjakund
2	NAC office	Malisahi	Pucca Road 1.5 Km	2 no culvert	Sudasahi Keutasahi Danisahi Bagichasahi Malisahi
3	NAC office to the wards	Butupali	Pucca Road NH-57 2 Km	1 no culvert	Rajanpali Khalibagicha Bapujinagar Butupali 1&2

7. Standard Operating Procedures

Standard Operating Procedure for flood and other Disaster management

EXECUTIVES OFFICER.NAC (EO):

PRE:

- Convene meeting of the City level stakeholder/ line departments before onset of Monsoon during the month of April.
- Review the preparedness activities by different City level line departments.
- Functioning of Rain Gauge Stations placed in the City 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 City Disaster Management Plan (CDMP) 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.
- Activation of Flood Shelter Management & Maintenance Committee (FSMMC) and concerned Task Force members.
- 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 Ward 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.
- Identification and listing the kutcha houses/ Huts in the vulnerable villages with the help of Programme Officer , 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.
- 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 City level line department officers like, Tahasildar, AE, Electrical, MI, GPEO, BEO, WEO, AAO, SO, fire Station, Medical Officer, all Counsellor, 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 & remains 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 counseling 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.

JUNIOR ENGINEER (JE):

PRE:

- Assist the JE in preparedness activities in the City
- 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 City
- Assist the City administration in clearing the relief lines

POST:

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

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 City 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 along with 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 & City Administration for prompt Response.
- Medical (ante natal) check-ups for pregnant women in all shelters.

POST:

- Coordinate with CDM&PHO and City 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.

AGRICULTURE OFFICER (AO):

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 City 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 City Administration in evacuating the people from the vulnerable areas.

DURING:

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

POST:

- Assist City 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 City administration in other response activities.

SUB DIVISIONAL VETERINARY OFFICER (SDVO):**PRE:**

- Keep close coordination with the City
- 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 City 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 City 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.
- Asses 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 City Administration

POST:

- Assess the damage, if any, to AWCs
- Bring the damage to the knowledge of BDO and DSWO
- Assist the City administration in damage assessment of the anganwadi 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 City 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 (WARD EXTENSION OFFICER (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 City Administration

POST:

- Assist the City Administration in preparation of Post Disaster damage and Need Assessment.

INSPECTOR IN-CHARGE (IIC):

PRE:

- Maintain Coordination with the City
- Take stock of the vulnerable areas
- Assess resources available
- Extend support required to other departments
- Assist the City 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 City warehouse
- Assist the response teams like ODRAF / NDRF / Fire service in clearing the road Cityage 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.

Directory of Officers & Employees of NAC ,Boudhgarh

Sl No.	Name of the Staff	Designation	Post/Section Dealing with	Mobile No.
1	Sri Satyanarayan Pardhan	Executive Officer		9178854689
2	Pabitra Mohan Pradhan	J.E.	Development/Work Section	9937084244
3	Ratikanta Mahapatra	Jr. Asst.		9438306335
4	Sangram Dehury	Amin	Land Related work	9938091434
5	Om Prakash Beriha	Accountant	Accounts	9861638138
6	Amiya Kumar Behera	MIS-Computer-Programmer	e-Governance Section	8093802454
7	Suparna Mohanty	Community Organiser	NULM	9439813128
8	Surjit Purohit	Jr Sanitation Expert	Sanitation	8018537101
9				
10	Ashok Kumar Mahakud	A.T.S	Tax Collection,	8117021151
11	Sri Sumanta Pradhan	Zemadar	Sanitaion Section	9178440328
12	Sri Manas Behera	Zemadar	Issue/Despatch	7894296951
13	Sri Rajeswar Pradhan	A. T.S	Electrician	9861826100
14				
15	Sri Narendra Pradhan	TCS-HSO	e-Municipalty	9438729698
16				
17				
18	Sri Bhagirathi Karna	Peon	Attach to Tax Section	9658511529
19	Sri Khageswar Mahakud	Peon	Attach to cash Section	8018555373
20	Santosh Kumar Mishra	Peon	Peon	9937658222
21				
22	Sri Dhaneswar Naik	Peon	Watch man Town Hall	9853927071
23	Tarani Sen Bisi	Peon	Peon	
24	Chaitanya Pradhan	NMR	Peon	

25	Jagyenswar Meher	NMR	DEO	9777704481
26	Bhagyadhar Dehury	NMR	Gardener	9853132039
27	Nrupati Behera	NMR	Gardener	8018368133
28	Mana Bhanjana Sethy	NMR	Peon	
29				
30	Sanjit Bhukta	NMR	DEO	8456818036
31	Jitendra Pande	NMR	Work Sarkar	8018127820
32	Ranjit Sethy	NMR	Peon	9938640871
33	Ananta Naik	NMR	Watch Man	8658994514

CONTACT DETAILS OF DISTRICT ADMINISTRATION OF BOUDH DISTRICT

Sl. No.	Name	Designation	Contact Number
01.	Sri Subrat Kumar Panda, IAS	Collector & District Magistrate, Boudh	9437965778
02.	Sri Rahul Goel, IPS	Superintendent of Police, Boudh	9438916690
03.	Sri Aniruddha Padhan, OAS	Additional District Magistrate, Boudh (I/c)	9437368914
04.	Sri Pravas Chandra Dandasena, OAS	CDO-cum-EO, Zilla Parishad, Boudh	9437114391
05.	Sri Prabin kumar Banua	Sub-Collector, Boudh	6370907913
06.	Sri Charls Nayak, OAS	Additional EO (Admin), Zilla Parishad, Boudh	88955 90772
07.	Sri Debapriya Kampha, OFS	DFO (T), Boudh	9437062073
08.	Sri Sudarsan Badi, OFS	DFO(KL), Boudh	9437920920
10.	Sri Subhendu Jena, OAS	Deputy Collector, Rev., Collectorate, Boudh	8847843015
11.	Sri Bibekananda Mishra	Deputy Collector, Collectorate, Boudh	7978676647
13.	Anita Kumari Sahu, OAS	Tahasildar, Boudh	8895734954
14.	Baladev Behera, OAS	Tahasildar, Harabhanga	9438825364
15.	Mrs. Swetapadma Joshi, OAS	Tahasildar, Kantamal	8260857257
16.	Sri Yudhisthir Meher, OAS	BDO, Boudh	9437845185
17.	Sri Sarat Kumar Sethi, OAS	BDO, Harabhanga	9437241018
18.	Smt. Sami Reddy Jayashree, OAS	BDO, Kantamal	9937995835
19.	Anjali majhi, OAS	District Sub-Registrar, Boudh	8917300722
20.	Sri Satyanarayan Pradhan	EO, NAC, Boudhgarh	9178854689
21.	Sri Sudharma Mallick, ORS	Asst. Collector, Collectorate,	9437331418

		Emergency Boudh.	
22.	Mohammad Rajae Rasul, ORS	Additional Tahasildar, Boudh	9439218786
23.	Sri Kumuda Chandra Dalabehera, ORS	Additional Tahasildar, Boudh	7008850925
24.	Sandeep Subhadarshan Dhala, ORS	Additional Tahasildar, Harabhanga	9337199168
25.	Sri Dhananjaya Sahoo, ORS	Additional Tahasildar, Kantamal	9337795354
26.	Sri Surendra Baskey	District Informatics Officer, NIC, Boudh	7978712658
27.	Sri Sameer Kumar Naik	Dist. e-Governance Manager, Boudh	9040906389
28.	Smt. Kanakalata Nayak	Dist. Social Welfare Officer, Boudh	8658908056
29.	Sri Gopal Mallik	ADSWO, Boudh	8917424268
30.	Sri Surya Narayan Behera	District Welfare Officer, Boudh	7077342163
31.	Dr. Madan Mohan Pradhan	CDM&PHO, Boudh	9439990996
32.	Miss Ritakanti Baliarsingh	Dist. Inf. & Public Relations Officer, Boudh	9938048500
33.	Sri Prabhakar Kanhar	District Tourist Officer, Boudh	8280001975
34.	Sri Jagatbihari Routray	Superintendent of District Jail, Boudh	7978510208
35.	Smt. Santi Marandi	Superintendent of Excise, Boudh	8249262363
36.	Sri Shreenath Hansda	Civil Supply Officer, Boudh	6370544608
37.	Sri Temlal Dubey, OES	DEO-cum-DPC, SSA, Boudh	7749841871
38.	Sri Pallabi Samal	Executive Engineer, RWSS, Boudh	9437410831
39.	Sri Sandeep Chhualsingh	Superintending Engineer, R&B Division, Boudh	8144249313
40.	Sri Kameswar Behera	Superintending Engineer, RWD(RD), Boudh	7008632889
41.	Sri Naresh Kumar Barik	EE, Irrigation, Boudh	9668891081
42.	Sri Manoranjan Hansdah	SE, Minor Irrigation, Boudh	9438370988
43.	Sri Jogendra Ratha	EE, Lift Irrigation, Boudh	9437203842
44.	Sri Amarendra Kumar Sahoo	EE, TPSODL. Boudh	9437959905
45.	Sri Khaken Singh	AEE, NH, Boudh	9777676487
46.	Sri Sumanta Kumar Jena	Assistant Fire Officer, Boudh	6370503759
47.	Sri Rajindra Kisan	District Social Security Officer, Boudh	9937606291
48.	Sri Manoranjan Mohanty	District Panchayat Officer, Boudh	9938544938
49.	Sri Rahul Pradhan	District Child Protection Officer, Boudh	9437827254
50.	PV Raman Rao	Chief District Agriculture Officer, Boudh	7008698625
51.	Sri Jogendranath Mahapatra	Assistant Director of Horticulture, Boudh	7978410701
52.	Ms. Puja Barik	Assistant Horticulture Officer, Boudh	9337836806
53.	Sri Pradipta Kumar	PD, Watershed, Boudh	9438039980

	Mohanty		
54.	Dr. Rama Rao Palo	Chief District Veterinary Officer, Boudh	7978983918
55.	Sri Bidyadhar Naik	Deputy Director (P&S), DPMU, Boudh (I/c)	9437251138
56.	Sri Jagannath Dash	District Treasury Officer, Boudh	8895955759
57.	Sri Jogeswar Bisoi	GM, DIC, Boudh	9938789672
58.	Sri Binayak Prusti	Asst. Director Textile, Boudh (I/c)	9437560750
59.	Sri Banamali Toppo	Dy. Dir. Of Handicraft, Boudh	9101289964
60.	Sri Ajay Dash	District Employment Officer, Boudh	7008806479
61.	Smt. Lipsa Pattnaik	District Fisheries Officer, Boudh	9438308026
62.	Sri Sisir Kumar Sahoo	RTO, Boudh (I/c)	9438627070
63..	Sri Sushant Paikray	District Labour Officer, Boudh	9777345792
64.	Miss Kanyakumari Sahu	Assistant Labour Officer, Boudh	9778919979
65.	Sri Girish Ch. Purohit	DRCS, Boudh	9437151872
66.	Sri Bhaskar Panigrahi	Secretary, RMC, Boudh	8917654445
67.	Smt. Wahida Begum	CDPO, Boudh	9437822552
68.	Smt. Diptimayee Patra	CDPO, Harabhanga	7077011101
69.	Smt. Pankajini Mishra	CDPO, Kantamal	9777717624
70.	Smt. Smitashree Sahu	CEO, BCCB, Boudh	9437973766
71.	Sri Don Bosco T	LDM, Boudh	7077705151
72.	Sri Rashmi Ranjan Sethi	DPM, OLM, DRDA, Boudh (I/c) & DPC, Mission Shakti	9438504898
73.	Sri Sibashis Dash	Project Executive, ORMAS, Boudh	9861512033
74.	Sri Hiranmaya Bhukta	SDO, BSNL, Boudh	9437095400
75.	Sri Sachindra Nath Behera	Director, RSETI, Boudh	7205726955
76.	Sri Girja Sankar Mishra	DPM, NHM, Boudh	9439991005
77.	Sri Bikram Ku Sahoo	Principal, DIET, Boudh	8847861819
78.	Sri Rabindra Kumar Sahu	Principal, Model Degree College, Boudh	7008493072
79.	Sri Niranjan Mishra	Principal, B.P. College, Boudh (I/c)	7978107699
80.	Mrs. Sarita Das	Principal, JNV, Boudh (I/c)	7008203865
81.	Sri Subodh Kumar Panigrahi	Principal, Government ITI, Boudh	7684959501
82.	Dr. Laxmidhar Jena	Principal, Government Polytechnic, Boudh	9437218739
83.	Mr. Sanaka Meher	Principal, Kendriya Vidyalaya, Boudh	7008268040

MAP OF NAC BOUDHGARH

