

# DISTRICT DISASTER MANAGEMENT AND RESPONSE PLAN



**DISTRICT EMERGENCY OPERATION CENTRE,  
KEONJHAR**

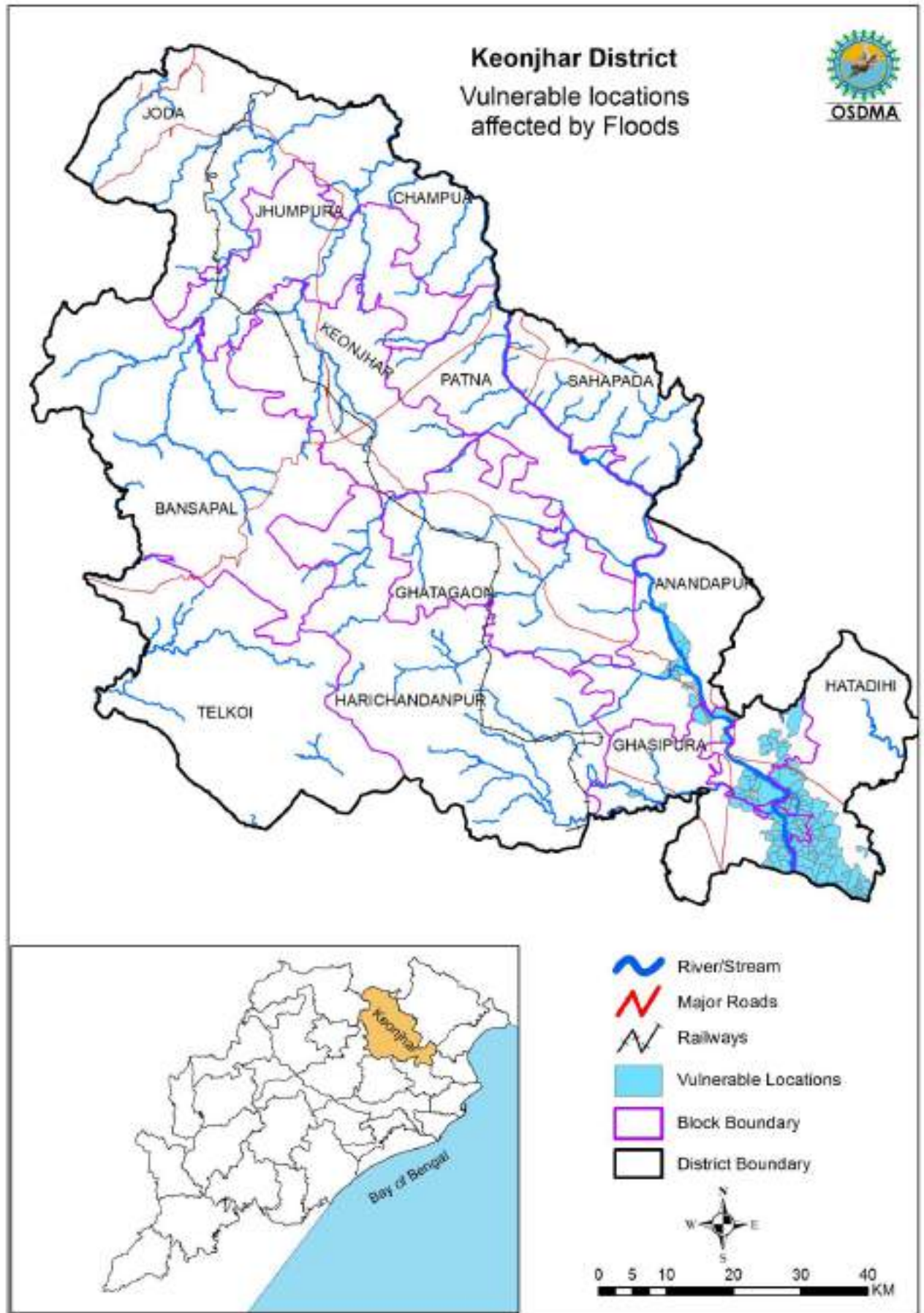
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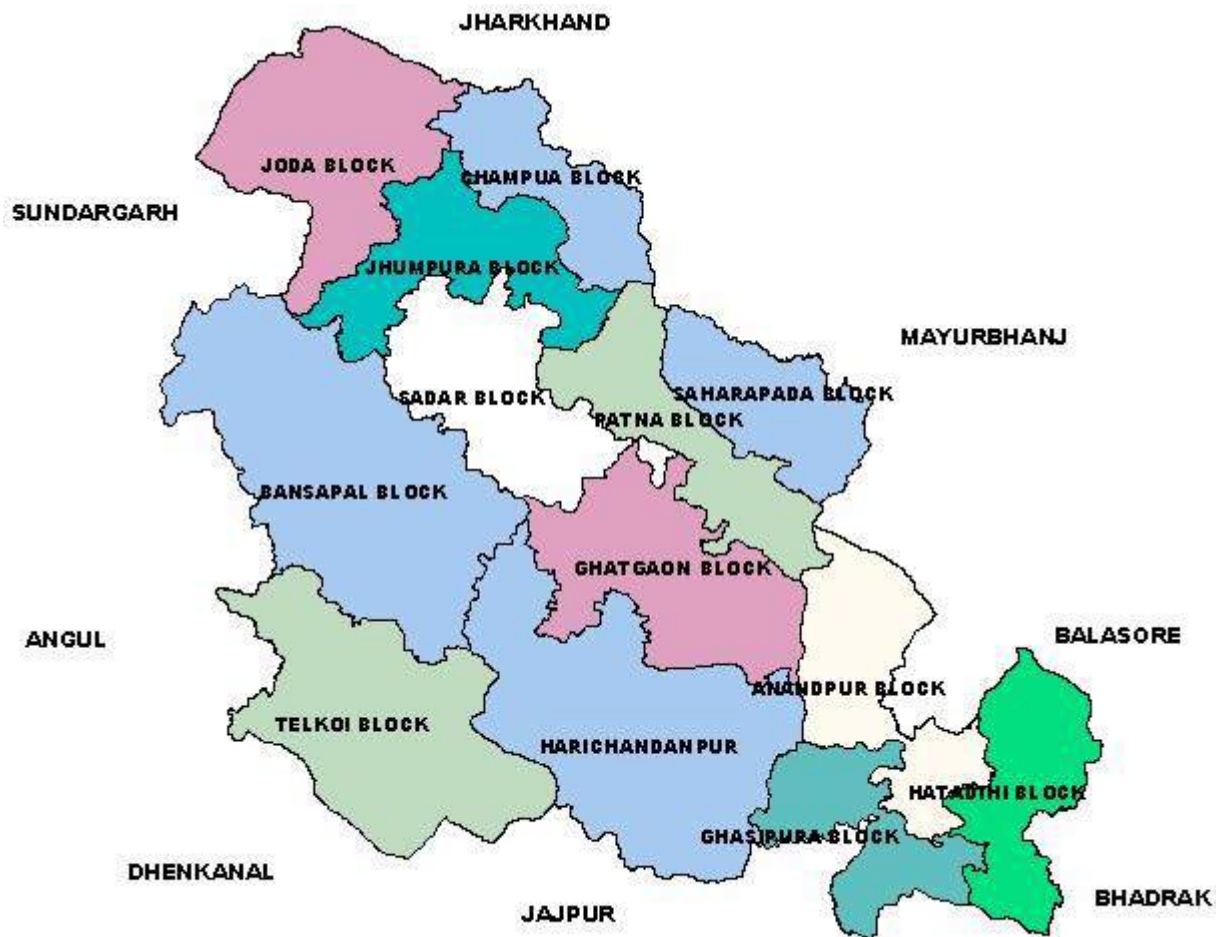
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## ABBREVIATIONS

BDO	:	Block Development officer
BDMP	:	Block Disaster Management Plan
DDMP	:	District Disaster Management Plan
DDM	:	District Disaster Manager
DCR	:	District Control Room
OIC	:	Officer In charge
CDPO	:	Child Development Project Officer
MO	:	Medical Officer
JAO	:	Junior Agriculture Officer
SI	:	School Inspector
DRDA	:	District Rural Development Agency
IAY	:	Indira Aawas Yojana
CMRF	:	Chief Ministers Relief Fund
AWC	:	Anganwadi Centre
PMRF	:	Prime Ministers Relief Fund
PDS	:	Public Distribution System
CDMO	:	Chief District Medical Officer
CDVO	:	Chief District Veterinary Officer
DSWO	:	District Social Welfare Officer
W&CD	:	Women & Child Development
GP	:	Gram Panchayat
SC	:	Schedule Caste
ST	:	Schedule Tribe
GEN	:	General Caste
BPL	:	Below Poverty Line
APL	:	Above Poverty Line
PHC	:	Primary Health Centre
VHF	:	Very High Frequency
ADM	:	Additional District Magistrate
PD	:	Project Director
WEO	:	Welfare Extension Officer



### Adminstrative map with Block boundary of the District



## **PREFACE**



It was essential that, we look at Disaster Management from the development angle. It is no longer either a one-off or stand-alone activity. Despite the fact that, Disaster Preparedness is most essential, it is apparent that, proper mechanisms for Disaster Awareness and mean of Disaster Recovery are essential for achieving the Millennium Development Goals. Reversing the loss of environmental resources can never be achieved without giving due emphasis to effective Disaster Management Strategies.

Keonjhar, a tribal dominated district is having both hilly terrains and plan tracts. Due to its Geographical location, the Sub-Division of Anandapur in one hand is mostly affected by high floods every year and on the other hand, the hilly tract of rest part is affected by flash floods, drought etc. Besides the floods and draught, various calamities like Hail storms. Heavy rains, Whirl winds are the frequent visitors to this district and ruin the economy of the people with loss of crops, livestocks, lives and lively hoods. Many people become marooned, shelters being washed away, no feeds and fodders cause to death of livestocks. In view of this, preparedness is quite essential to mitigate the evils of calamities and preparation of DDMP is a welcoming step.

The District Disaster Management Plan (DDMP) has illustrated the various key activities that are required to be followed for mitigating the risk. I think, it will be extremely useful to help understand the methods and path to be followed in Disaster Risk Reduction in the district.

I am very much glad that, all out efforts have been made to bring out this plan in its complete shape. I am also very much thankful to all the Officers and Staff who have provided the valuable inputs for making it a final compilation. It should therefore be the responsibility of all concerned stake holders from Government to Non-Government Organizations, to give the right priority to follow the same with co-operation. Only that will ultimately guarantee disaster risk reduction for all and minimize their sufferings.

Lastly, I wish, the plan be reviewed timely and updated in order to be amply rewarded.

**(Dr. N. Thirumala Naik, I.A.S)**  
Collector & District Magistrate, Keonjhar

**Sri Sangram Keshari Swain, OAS (S)**  
**Addl. District Magistrate, Keonjhar**

**PREFACE**

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I have great pleasure to present the District Disaster Management Plan for Keonjhar District prepared by the District Administration. The District Disaster Management Plan (DDMP) outlining the measures to be taken in the event of any natural or man-made disaster in the entire District has been prepared basing on the past experiences. The plan is prepared with a view to helping the District Administration to focus quickly on the essentials and crucial aspects of both preparedness and response. It is hoped that the District level Officials who are in-charge of different departments will carefully go through the DDMRP and remain alert to emergent situations. The DDMRP seeks to serve as a useful handbook of operational guidelines for the Officers of the District Administration. I thank all the district level officials, Agencies, Government & Non-Government Organisations who have put their utmost efforts in bringing out this operational plan on Disaster Management for the district.

**(Sri Sangram Keshari Swain)**



## Forward

The District Disaster Preparedness and Response Plan, includes the facts and figures that have been collected from various formal and informal sources with a view to meet the challenges during any Natural Disaster. The figures and other informations incorporated in this plan will be updated twice every year i.e., in May and November. The plan has been prepared with the following viewpoints.

1. Contingency Plan is a continuous process.
2. All are not equal in a crisis situation.
3. During relief measures, social auditing ensures transparency.
4. Involvement of women and PRIs is a must in the entire process.

Suggestions invited for further improvement of this plan.

Collector and District Magistrate  
Keonjhar

President  
Zillaparishad, Keonjhar

## CHAPTER-I

### MULTI- HAZARD DISASTER MANAGEMENT PLAN



#### 1.1 Why Is It?

The Indian sub continent due to its geographical location is highly prone to various natural disasters. Being a part of India, our state as well as Keonjhar district is not an exception to it. The District of Keonjhar is very often visited by calamities like droughts, floods, cyclone and other natural calamities. Though the district is situated in a multi-disaster prone region, the calamities like flood and drought occurs frequently which is a major concern for its mitigation.

Among all the disasters that occur in Keonjhar, floods are the most devastating. The entire Sub-Division of Anandapur has been identified as flood prone. In this Sub-Division vast area under Anandapur, Ghasipura and Hatadihi is flooded annually.

Drought is an eternal feature of Indian livelihood and so also of Keonjhar. Due to absence of any major irrigation projects and non availability of any assured irrigation facilities in the district, almost entire area is affected by drought annually.

Poverty and War, Flooding and drought, Earthquakes and environmental disasters, billion people were affected by disasters in the past around the world. When the impact is high; it leaves the people traumatised by the death of family and friends, their lives becomes devastated by the loss of homes, possessions and stocks of food.

Disasters are becoming more complex, with increasingly long-term consequences as they strike densely populated areas with low economic capacity. It weakens already fragile public services such as health, water and sanitation. Recurrent crises such as floods year after year, give people and their crops no time to recover.

As a result, the impact of disasters has increased dramatically in the last few decades in terms of the number of people affected and the length of time they are affected for. This trend is expected to keep rising in coming years.

The emergency phase of a relief operation aims to provide life-saving assistance; shelter, water, food and basic health care are the immediate needs; along with a sense of humanity and a sign that someone cares. Subsequent needs include reconstruction and rehabilitation. DDMP approaches to disaster response on these lines and aims to provide timely & quality of humanitarian assistance to the affected beneficiaries. The DDMP also aims at equipping the District Administration with its manpower and physical infrastructures for a District-wide Disaster Preparedness/Disaster Response (DP/DR) programme.

The vision of the plan is institutional strengthening, knowledge sharing and formulating programmes for expanding community based disaster preparedness (CBDP) in disaster affected areas. Multi hazard disaster management plan is a part of preparedness measure to effectively manage disasters.

#### 1.2 Objective:

The District Disaster Management Plan has been formulated with a view to minimize loss of life, property and livelihood during and after any disaster. It aims at creating an effective and realistic full proof communication system, authentic and accurate data base, full proof documentation and rehearsal in the community in the shortest possible time with minimum simple orders and procedures. This will ease













out the difficulties faced by the people at the time of occurrence of any calamity and benefit the people. The plan document envisages and ensures the active Community participation in all levels and with optimum utilization of men, materials, available resources etc with no gaps or no over laps to prevent loss of lives and minimize loss to property. The purpose of the present document also meant for ensuring speedy approach for rescue, rehabilitation and to avert further miseries of the calamity stricken people. The DDMP itself will act as an available hand tool and will guide the district administration at the time of disaster preparedness and at the time of relief operation. It will gather courage to the community to face the eventuality bravely and boldly. This is an attempt towards evolving a systematic, comprehensive and holistic approach to all disasters, natural as well as man-made. It was felt that prevention is more cost-effective than post-disaster relief and rehabilitation.

### 1.3 Disasters:

DISASTER: - According to the Wikipedia, the disaster is defined as “A Serious disruption of the functioning of a society, causing widespread human, material, or environmental losses which exceed the ability of the affected society to cope using its own resources.”

“The occurrence of a sudden or major misfortune which disrupts the basic fabric and normal functioning of a society (or community).”

Types of Disasters: (Experienced in the District)

Common Natural Disasters	Man Made disasters
 Cyclone	 Fire- House / Forest
 Flood/ Flash Flood/ Heavy rain	 Communal riot
 Drought	 Accident- Road
 Heat Wave- Sunstroke/ Lightning	 Rasta Roko
 Hailstorm/ Whirlwind/ Tornado	 Chemical Hazards
 Earthquake	 Epidemics

### 1.4 Who formulates and Carries out the plan:

The disaster management will be more effective and sustainable if it is institutionalised. For this purpose Government of India has already passed the Disaster Management act on 23<sup>rd</sup> December, 2005, where it is clearly outlined that a Disaster Management Authority to be formed at the district level. It will be the apex body at the district level. Disaster Management would involve many layers of participating organisation. The three focal levels would be State, District and the site of the disaster. Accordingly as per the Notification No.46219/R&DM dated 12.11.2010 of the Government in R&DM Department, at district level a Disaster Management Authority is formed and activated to mitigate any unexpected situation in the district. This Authority shall act as the district planning; coordinating and implementing body for disaster management and take all measures for the purpose of disaster management in the district. The District Disaster Management Authority comprises of the following members.

**1.4.1 District Disaster Management Authority.**

Sl. No.	Designation	Position
1	Collector & District Magistrate, Keonjhar	Chairperson, ex-officio
2	Chairperson, Z.P., Keonjhar	Co-Chairperson, ex-officio
3	Superintendent of Police, Keonjhar	Member, ex-officio
4	Chief District Medical Officer, Keonjhar	Member, ex-officio
5	Executive Engineer, Baitarani Division, Salapada (in charge of embankment)	Member, ex-officio
6	A.D.M, Keonjhar	Chief Executive Officer, Ex-officio
7	Executive Engineer, Rural Development, Keonjhar	Member
8	P.D, D.R.D.A, Keonjhar	Member
9	Dy. Director, Agriculture, Keonjhar	Member

**1.4.2 District Level Committee On Natural Calamity.**

In addition to the District Disaster Management Authority, as per para-27 of the Odisha Relief Code, a District Level Committee on Natural Calamity has been formed under the Chairmanship of the District Collector to evaluate the Disaster Preparedness for different type of Calamities at different times over a year that may occur. The Committee is the Pioneer Committee in the District to take stock of the situation, monitor routine preparedness, suggests improving response mechanism and develops a document for disaster management in the district. The meeting of the committee has been scheduled to be convened by the end of May and another in the month of November every year. The members of the committee are as follows:

Sl. No	Name of the Member	Designation	Position	Telephone No	
				Office/Res.	Mobile
1	Dr. N. Thirumala Naik, I.A.S	Collector & Dist.Magistrate	Chairman	06766-255482/ 255401	8763090000
2	Sarilata Prusty	Chairperson , Zilla Parishad	Member	06766-255642	9668116851
3	Smt. Sakuntala Laguri	Hon'ble MP, Keonjhar	Member	--	9937128539
4	Sri Abhiram Naik	Hon'ble MLA, Keonjhar	Member	--	9437703453
5	Sri Bedabyasha Naik	Hon'ble MLA, Telkoi	Member	--	8895119383
6	Sri Mayadhara Jena	Hon'ble MLA, Anandapur	Member	--	9437132893
7	Sri Badri Narayan Patra	Hon'ble MLA, Ghasipura	Member	--	8455819666
8	Sri Hrushikesh Naik	Hon'ble MLA, Patna	Member	--	9937883189
9	Sri Sanatan Mahakud	Hon'ble MLA, Champua	Member	--	9438578200
10	Pandit Rajesh Uttam Rao, IPS	S.P, Keonjhar	Member	06766-254106/ 255402	9437170073
11	Rohit Kumar Lenka, IFS	DFO, Keonjhar (T)	Member	06766-254315/ 255315	9437055315
12	Sangram Kesari Behera, IFS	DFO, Anandapur (WL)	Member	06731-220322	9437096829
13	B.B.K. Biswal	DFO, Kendu leaf	Member	06766- 255504/255502	9437375283
14	Sagram Keshari Swain, OAS (S)	ADM, Keonjhar	Member	06766-255408/ 255403	9437144499

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15	Nikhil Pawan Kalyan, IAS	Project Director, DRDA, Keonjhar	Member	06766-255538	9437025553
16	Purna Chandra Mishra, OAS-I (SB)	Sub-Collector, Keonjhar	Member	06766-255436/ 255425	9438290100
17	Dr. Maheswar Swain, OAS (SB)	Sub-Collector, Anandapur	Member	06731-240225/ 220221	9437101736
18	Gourahari Behera, OAS (SB)	Sub-Collector, Champua	Member	06767-240201/ 240202	9437080280
19	Santosh Ku. Naik, OAS-I (SB)	PA, ITDA, Keojhar	Member	06766-255568	9438382688
20	Sridhara Naik, OAS-I (SB)	PA, ITDA, Champua	Member	06767-240214/ 240254	9437664555
21	Babulu Perei, ORS, Asst. Collector	District Emergency Officer	Member Convenor	06766-255437	9439590449
22	Ananda Chandra Sethy	BDO, Hatadihi	Member	06731-271021	9692806768
23	Umakanta Parida	BDO, Anandapur	Member	06731-240445	9439726924
24	Suranjan Ku. Sahoo	BDO, Ghasipura	Member	06731-220384	8895587616 9937465808
25	Sushanta Kumar Pati	BDO, H.C pur	Member	06733-224021	9438098098 9178136557
26	Bishnu Prasad Acharya	BDO, Ghatagaon	Member	06733-221022	9437208555
27	Nishi Punam Minz	BDO, Patna	Member	06766-237021	9437327084
28	Dillip Pradhan	BDO, Saharpada	Member	06796-220245	9439392949
29	Pradeep Dang	BDO, Keonjhar	Member	06766-255494	9437082986
30	Mirdha Toppo	BDO, Jhumpura	Member	06766-235238	9437836824
31	Aswini K Meher	BDO, Bansapal	Member	06767-234013	9437420164
32	Debraj Sethi	BDO, Telkoi	Member	06735-248223	9668427201
33	Kushal Chandra Naik	BDO, Champua	Member	06767-240212	9437976819
34	Ghasiram Murmu	BDO, Joda	Member	06767-272258	9437379237
35	Adikanda Behera	Tahasildar, Hatadihi	Member	06731-271031	9658976697
36	Umakanta Parida	Tahasildar, Anandapur (I/C)	Member	06731-221388/ 221024	9439726924
37	Suranjan Ku. Sahoo	Tahasildar,Ghasipura (I/C)	Member	--	8895587616
38	Santisudha Patra	Tahasildar, H.C Pur	Member	--	7894539422
39	K. Ashok Kumar	Tahasildar, Ghatagaon	Member	06733-221033	9439234666
40	Amrit Sarkar	Tahasildar, Patna	Member	06796-	9437850933
41	Dillip Kumar Pradhan	Tahasildar, Saharpada (I/C)	Member	--	9439392949
42	Subash Chandra Ray	Tahasildar, Keonjhar	Member	06766-255516/ 253951	9437027051
43	Siba Toppo	Tahasildar, Jhumpura	Member	--	9437222160
44		Tahasildar, Bansapal	Member	--	8763933430
45	Prativa Prusty	Tahasildar, Telkoi	Member	06735-248233	9437293247
46	Narayan Chandra Dhal	Tahasildar, Champua	Member	06767-240205	9437257107
47	A.K Mallik	Tahasildar, Barbil (I/C)	Member	06767-275276/ 277122	9439433192
48	Kalpana Panda	Executive Officer, Anandapur Munic. (I/C)	Member	06731-220260	9437215335
49	Manoranjan Panda	Executive Officer, Keonjhar Munic.	Member	06766-255413/ 255535	9938720565
50	Prasanta Kumar Sahoo	Executive Officer,	Member	06767-272214/	9438486439

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		Joda Munic.		272208	
51	Pranakrushna Jena	Executive Officer, Barbil Munic.	Member	06767-275278/ 275452	9437274832
52	Saraswati Sethy	CDPO, Hatadihi	Member	--	9438389778
53	Aladi Marandi	CDPO, Anandapur	Member	--	9438150977
54	Renubala Das	CDPO, Ghasipura	Member	--	9437808816
55	Alma Kuzur	CDPO, HC Pur	Member	--	9777839191
56	Snehalata Dei	CDPO, Ghatagaon	Member	--	9937594001
57	Sanjukta Kanungu	CDPO, Patna	Member	--	9437521893
58	Soudamini Panda	CDPO, Saharpada	Member	--	9438492077
59	Kapra Majhi	CDPO, Keonjhar	Member	--	9438377455
60	Subhasi Munda	CDPO, Jhumpura	Member	--	9937368322
61	Padmaja Kanungo	CDPO, Bansapal	Member	--	9438787228
62	Srimati Samal	CDPO, Telkoi	Member	--	9438615215
63	Bhaleria Maxima Lakra	CDPO, Champua	Member	--	9438056914
64	Minati Dei	CDPO, Joda (T)	Member	--	9437710870
65	Namita Das	CDPO, Joda (U)	Member	--	9437827261
66	S.K. Nayak	DDM, Joda	Member	06767-272206/ 272178	8895549543
67	Surendra Nath Sinku	Mining Officer, Keonjhar	Member	06766-255223	9437686674
68	Sanjib Kumar Barik	D.I & P.R.O, Keonjhar	Member	06766-255478	9437335263
69	Santosh Ku Nayak	R.T.O., Keonjhar (I/C)	Member	06766-255481/ 255531	9438382688
70	B.B. Panda	Chief Construction Engineer, KIP	Member	06766-250778/ 250429	9437053950
71	S.S. Nayak	S.E., NESCO, Keonjhar	Member	--	9438906094
72	Bijay Kumar Kalta	E.E., Baitarani Div.Salapada	Member	06731-220258/ 220230	9437282458
73	Shuvendu Sahoo	CCE, Anandapur Barrage Project	Member	06731-220230/ 220051	9437283662
74	Sudhakar Behera	E.E., M.I. Divn. Keonjhar	Member	06766-255453	9438835106
75	Alok Kumar Mahanty	E.E., RD. Div., Anandapur	Member	06731-220387	9437255360
76	S.S.Panda	E.E., M.I. Divn. Anandpur	Member	06731-220313/ 220319	94371258877
77	Umesh Mishra	E.E., (R&B), Div., Keonjhar	Member	06766-255493/ 255468	9437229611
78	K.C. Choudhuri	E.E., N.H. Div., Keonjhar	Member	06766-255528/ 255488	9861814457
79	Dillip Dash	E.E. , O.L.I.C, Keonjhar	Member	06766-255281/ 255575	9937181995
80	Balaram Mishra	E.E., RWS&S Divn., Anadapur	Member	--	9437429613
81	Dayanidhi Sahoo	E.E., RWS&S Divn., Keonjhar	Member	06766-255442/ 255486	9438419916
82	A.C Naik	E.E., P.H.D. Div., Keonjhar	Member	--	9437182410
83	Arun Kumar Das	PD, Watershed, Keonjhar	Member	06766-255457	9437183424
84	Rabindra Kumar Panda	Deputy Director, Agriculture	Member	06766-255596/ 253503	9437168479

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85	Shantanu Kumar Naik	Deputy Director, Horticulture	Member	06766-253498/ 254032	8895692425
86	Smt. Lucika Lakra	Deputy Director, Sericulture	Member	06766-255252	9437250185
87	P.K. Dash (I/C)	District Fishery Officer, Keonjhar	Member	06766-255553	9437420356
89	N.P.Behera (I/C)	G.M, DIC, Keonjhar	Member	06766-255418	9437200879
90	Dr. Kabindra Prasad Sahoo	C.D.M.O., Keonjhar	Member	06766-255525/ 255440	9439987004
91	Jaladhara Mallik	C.D.V.O., Keonjhar	Member	06766-258404/ 258395	9437605459
92	Prasanta Kumar Swain	Dist. Education Officer, Keonjhar	Member	06766-255586/ 250531	9437186929
93	Jaladhara Sethy	L.D.M, keonjhar	Member	06766-255297	9437415454
94	Binod Singh	District Fire Officer, Keonjhar	Member	06766-255501	9437350983
95	Chandra Mohan Alda	G.M, Keonjhar	Member	06766-256400/ 251600	9437571988
96	P.K. Swain	D.P.C, SSA, Keonjhar	Member	06766-254103	9437186929
98	Nityananda Das	D.W.O, Keonjhar	Member	06766-255476	9439292750
99	Bijaylaxmi Raiguru	D.S.W.O., Keonjhar	Member	06766-255557/ 251026	9437710881
100	Artatrana Barik	C.S.O., Keonjhar	Member	06766-255405/ 254095	9437222102
101	Srihari Kalindi	Dist. Panchayat Officer, Keonjhar	Member	06766-255446	8908102836
102	Ajay Mahapatra	D.I.O., NIC, Keonjhar	Member	06766-253313/ 254158	8763789331
103	S.K. Jena	District Planning Officer, Keonjhar	Member	06766-255307	9937598950
104	Jeet Mohan Hansdah	District Labour Officer	Member	06766-255438	9437381177



## CHAPTER-II

### OVERVIEW OF THE DISTRICT.

#### 2.1 Geographic Profile:

Keonjhar district is located between 21° 1' N and 22° 10' N latitude and 85° 11' E and 86° 22' E longitude. It is bounded on the North by the Singhbhum district in Jharkhand, on the East by the district of Mayurbhanj, Balasore & Bhadrak, on the South by the district of Jajpur & Dhenkanal and on the West by the districts of Angul & Sundargarh. It extends over an area of 8303 square kms.



The district consists of a compact area and its extreme length from North to South is nearly 145 kms. The average breadth from East to West is about 65 kms. It is divided into two widely dissimilar tracts namely Lower Keonjhar and Upper Keonjhar. The Lower Keonjhar is a region of valleys and low land while the Upper Keonjhar includes mountainous high lands with general slope from North to South. The average elevation of the central part is about 500M from MSL. At places, isolated hills rise abruptly from the plains. But most of the areas have a general elevation of over 600M which forms the watershed of some rivers. The Baitarani, the biggest river of the district takes its rise in the hilly North-Western division. Wide range of lofty hills and dense forests form the boundary between Keonjhar and the neighbouring district of Dhenkanal. From the Eastern side of this range a large plateau extends to Mayurbhanj district of Orissa and Singhbhum district of Jharkhand on the one hand and to the borders of lower Keonjhar on the other, verifying in height from 244Mtrs. to 457Mtrs. With the exception of isolated hills and undulating tracts, this vast plateau is generally open and occupied by large villages and numerous hamlets. This region has number of streams which in the rains are raging torrents hurrying to discharge their waters into the river Baitarani. The range of hills in which Baitarani rises, develops on the South-East into a lofty peak and wide ridges till it strikes the Sukinda boarder. Below this belt towards the East is the Lower Keonjhar comprising Anandapur Sub-division and a portion of Keonjhar Sub-division. For the first 16 kms, this tract emerges in a gentle slope from the belt of hills and then spreads out into an open plain towards Jajpur district flanked by two long ranges of hills to Sukinda and Mayurbhanj boarder.

The crescent shaped watershed which runs from North to South is the home of primitive tribals of Keonjhar. On the West of this range is one Panchayat Kaliahata which unlike the plateau on the other side is of no particular elevation. Though the valleys consist of rich alluvial soil, the uplands consist mainly of detritus and is intersected by hilly streams at most of the places.

The hilly region of the district has much scenic beauty with lofty peaks. The principal peaks are: -

Gandhamardan	1060M	(about 10 kms. from the district headquarters)
Mankadanacha	1117M	(on the Bonai-Sundargarh boarder.)
Gonasika	978M	(about 30 kms from the district headquarters)
Thakurani-	915M	(about 90kms from the district headquarters)
Tomaka-	785M	
Bolat-	554M	
Khajaru-	918M	
Ranga-	897M	



District Disaster Management and Response Plan, Keonjhar-2016

Mahaparbat- 716M  
 Khandadhar-Parbat 915M (near Bonai & Pallahara boarder.)  
 Sitabinji- 67M (19 kms. from the district headquarters)  
 Chakratirtha- (16 kms. from Anandapur Sub-Divl headquarters)  
 (Baula parbat)

The height of the highest cliff of this hill is 183Ms.

Transportion and communication Distance of Sub-divisional Headquarters/ Block Headquarters/ Main Hats (Markets) from District Head Quarters of Keonjhar district.

(Distanc in Kms.)

Sl No.	Name of the Sub-divisional/ Block Hqrs./ Main Hats	Distance on road from State Hqrs.	Distance on road from District Hqrs.	Services available Whether Public/ Private or both Bus
<b>Sub-divisional Head Qtrs.</b>				
1	Anandapur	155	80	Both
2	Champua	288	53	Both
3	Keonjhar	235	0	Both
<b>BLOCK</b>				
1	Anandapur	155	80	Both
2	Banspal	265	30	Both
3	Champua	288	53	Both
4	Ghasipura	155	80	Both
5	Ghatgaon	192	45	Both
6	Harichandanpur	175	60	Private Bus
7	Hatadihi	140	96	Both
8	Jhumpura	259	23	Both
9	Joda	302	67	Both
10	Keonjhar	235	0	Both
11	Patna	265	49	Private Bus
12	Saharpada	275	59	Both
13	Telkoi	305	70	Both
<b>IMPORTANT HATS</b>				
1	Barbil	315	80	Both
2	Bankapatuli	218	17	Both
3	Bamebari	310	75	Private Bus
4	Barpada	140	90	Both
5	Brahmanipal	157	78	Private Bus
6	Champua	288	53	Both
7	Dhenkikote	205	30	Both
8	Janghira	205	30	Private Bus
9	Kanto	168	60	Both
10	Parsola	273	38	Both
11	Rimuli	275	40	Both
12	Rekutia	168	90	Private Bus
13	Salabani	167	85	Both

## **2.2 Rivers and Water Resources:**

The rivers of the district emerge out of hilly tracts into the plain. During monsoon these rivers are charged with large volume of water and flow with great velocity. In summer, they usually become almost dry. The riverbeds are rocky and unfit for navigation. There are large numbers of hill streams in the district, which form the major water resources. The main rivers, which flow across the district, are given below: -

### **Baitarani.**

It is the largest river in the district. Baitarani rises from the Southeastern range of hills and flows to North as a hilly stream. From Singhbhum boarder it abruptly turns to South. It originates from the Gonasika hill, a turist place of magnificent beauty in Bansapal Block and passes through, Joda, Champua, Patna, Ghatagaon, Anandapur, Ghasipura and Hatadihi.

### **Aradei.**

Aradei rises from Southeastern hilly regions and flows to North and finally meets the river Machhakandana. It covers Keonjhar, Jhumpura and Champua Blocks.

### **Kanjhari.**

Kanjhari rises in the hills near Gonasika and flows in the North-easternly directionm. It passes through Harichandanpur Block. There is a medium irrigation project called Kanjhari Dam constructed on this river.

### **Seeta.**

Seeta takes its rise in the Sarupat hills in Ghatagaon Block and meets the river Kukurkata after 16 kms. It passes through Ghatagaon and Patna Blocks.

### **Kukurkata.**

It rises in the forest of Jharbelda of Keonjhar Block and flows in easternly direction. It passes through Ghatagaon Block alone.

### **Kusei.**

It rises from Rehana reserve forest (Meghanada Parbat) of Harichandanpur Block and flows in South-easternly direction. The Block namely Harichandanpur, Ghatagaon and Anandapur come in its course.

### **Musala.**

River Musala also rises in Meghanada Parbat flows in North direction and then abruptly turns to East and Southeast direction. It passes through Harichandanpur and Anandapur Blocks.

### **Samakoi.**

Samakoi takes its origin near Gendachua hills and pursues a zigzag in a westernly direction. It passes through Telkoi Blocks.

### **Machhakandana.**

Machhakandana rises in Bararaom Pahara of Banspal Block and flows in northly direction. It passes through Banspal and Keonjhar Blocks.

### **Karo.**

River Karo rises in the Bonai Sub-division of Sundargarh district and passes through Joda Block of Keonjhar.

### **Salandi.**

River Salandi rises in Similipal hills of Mayurbhanj district and passes through Hatadihi Block of Keonjhar.

**2.2.1 Carrying Capacity of Big Rivers.**

Sl. No.	NAME OF THE RIVER	LOCATION OF GAUGE	GAUGE			REPORTING OFFICER
			DANGER LEVEL	WARNING LEVEL	ZERO VALUE	
1	BAITARANI	Anandapur	38.36M	37.44M	28.00 M	EE, Baitarani Division, Salapada
2		Champua	376.41M	375.33M	367.74M	CWC, Champua
3	KUSEI	Belabahali	39.70 M	38.69 M	35.32 M	EE,Baitarani Division, Salapada

**2.2.2 List of Embankments.**

Sl. No	Name of the Embankments	Place of Embankments	Type of Embankments	Length of embankments
01	F.P Embkt. on Baitarani	Sadangi	Capital Embkt.	1.306
02	F.P Embkt. on Baitarani	Balia	Capital Embkt.	1.256
03	F.P Embkt. on Baitarani	Abadula	Capital Embkt.	0.585
04	F.P Embkt. on Baitarani	Anandpur-Bridge	Capital Embkt	2.110
05	F.P Embkt. on Baitarani	Anandpur-Fakirpur	Capital Embkt	4.836
06	F.P Embkt. On Baitarani	Fakirpur	Capital Embkt	1.405
07	F.PEmbkt.on Baitarani	Singdove	Capital Embkt	2.780
08	F.PEmbkt.on Baitarani	Sibanarayanapur	Capital Embkt	2.361
09	F.PEmbkt.on Baitarani	Mugpur	Capital Embkt	1.525
10	F.PEmbkt.on Baitarani	Gobindpur	Capital Embkt	3.210
11	F.PEmbkt.on Baitarani	Agiria	Capital Embkt	3.400
12	F.PEmbkt.on Baitarani	Habaleswar	Capital Embkt	0.580
13	F.PEmbkt.on Baitarani	Khaparakhai	Capital Embkt	9.690
14	F.PEmbkt.on Baitarani	Panchupalli	Capital Embkt	2.130
15	F.P Embkt.on Kusei	Dardipal	Capital Embkt	1.067
16	F.P Embkt.on Kusei	Rekutia	Capital Embkt	0.510
17	F.PEmbkt.on Kusei	Deogaon	Capital Embkt	0.552
18	F.PEmbkt.on Kusei	Hatisila	Capital Embkt	1.105
19	F.PEmbkt.on Kusei	Sarei	Capital Embkt	3.393
20	F.PEmbkt.on Kusei	Belabahali	Capital Embkt	4.410
21	F.PEmbkt.on Kusei	Siapada	Capital Embkt	3.650
22	O.A.Embkt on Baitarani	Mareigaon	O.A. Embkt	17.900
23	T.R.Embkt on Baitarani	Saladei	T.R. Embkt	0.260
24	T.R.Embkt on Kusei	Bhaganai	T.R. Embkt	0.510
25	T.R.Embkt on Kusei	Satatira	T.R. Embkt	0.272
26	T.R.Embkt on Sandhei	Toraniapal	T.R. Embkt	0.620
27	T.R.Embkt onPhapudia	Ostapal	T.R. Embkt on	0.160
28	T.R.Embkt onPhapudia	Khaliamenta	T.R. Embkt on	0.914
29	T.R.Embkt onPhapudia	Naduan	T.R.Embkt on	2.000
30	T.R.Embkt onMuhan	Bhalukuma	T.R.Embkt on	2.000
31	T.R.Embkt on Muhan	Kanto	T.R.Embkt on	1.000
32	T.R.Embkt on Remal	Balipal	T.R.Embkt on	0.285
33	T.R.Embkt onGhageranala	Baladuan	T.R.Embkt on	2.100

34	T.R.Embkt on Ghageranala	Kantipal	T.R.Embkt on	2.000
35	T.R.Embkt on Ghageranala	Mochinda	T.R.Embkt on	1.800
36	T.R.Embkt on Ghageranala	Dudugaon	T.R.Embkt on	1.300
37	T.R.Embkt on Ghageranala	Chamarda	T.R.Embkt on	2.000
38	T.R.Embkt on Jarada		T.R.Embkt on	0.118
39	T.R.Embkt on Samakoi	Kamalangi	T.R.Embkt on	0.150
40	Flood protection Embkt.on Oradei	Teliorsala	Flood protection Embkt	0.690

### 2.3 Geographical area of the District:

The geographical area of Keonjhar district is 8303 sq. Kms out of which forest area comprises of **3097.18** sq.kms and it includes 1834.09 Sqr kms of Reserve forest, 273.64 sqr kms of demarketed protedted forest, 220.79 sqr kms undemarketed forest, 0.26 sqr. Kms of unclassified forest and 768.40 sqr. Kms of other forests area.

The Agricultural land consists of 2246.99 sqr. kms. Barren and uncultivable waste land covers about 909.25 sqr.kms.

#### 2.3.1 Block-wise geographical area of the district (In sqr. kms.).

Sl. No.	Name of the Block.	Area.	No.of habitations (Census-1991)
01	Anandapur.	300.15	125
02	Banspal.	1,191.07	163
03	Champua.	345.50	148
04	Ghasipura.	365.03	179
05	Ghatagaon.	461.65	142
06	Harichandanpur.	622.00	218
07	Hatadihi.	327.42	212
08	Jhumpura.	484.33	154
09	Joda.	427.27	118
10	Keonjhar.	451.26	225
11	Patna.	420.56	153
12	Saharpada.	383.53	139
13	Telkoi.	559.29	149

### 2.4 CLIMATE:

The climate of the district is characterised by an oppressively hot summer with high humidity. Summer generally commences in the month of March. Temperature begins to rise rapidly attaining the maximum in the month of May. During the summer maximum temperature is 38.2<sup>0</sup> C. The weather becomes more pleasant with the advent of the monsoon in June and remains as such up to the end of October. The temperature in the month of December is lowest i.e. 11.7<sup>0</sup> C. Sometimes it even drops down to 7<sup>0</sup> C. The average annual rainfall is 1487.7 mms. The nature of rainfall in the district is quite erratic and uneven. There may be heavy rainfall in a short span of time. This results in flash floods in the hilly terrain of the district. Sometimes this results in devastation in entire district. Flash floods in hilly area causes large scale house damages as mostly huts and small thatched houses are being constructed by the pre-dominant tribals in these tracks. The rainfall may not be available for a long span of time. Due to this there occurs long periods of dry spell even during the peak season of rain fall. This erratic nature of rainfall is mostly responsible for occurrence of draught and it causes large scale failure in crop production. Besides, sometimes unseasonal rain occurs usually after retreat of monsoon and it causes damage to the crop before harvesting.

**2.4.1 Temperature & Humidity.**

WEATHER ANALYSIS REPORT				
Month	Mean daily max temp in °C	Mean daily min. temp in °C	Relative Humidity	
			08:30	17:30
			( in IST )	
January	25.4	11.7	62	51
February	28.3	14.4	59	43
March	33.2	18.6	51	36
April	36.9	22.7	53	41
May	38.2	24.6	56	42
June	34.2	24.7	70	65
July	29.7	23.1	82	80
August	29.6	23.6	83	81
September	29.8	22.5	82	81
October	29.2	20.2	77	70
November	27.0	14.8	64	55
December	25.1	11.7	63	54
Annual	30.5	19.4	67	58

**2.4.2 Climatological Rainfall.**

Sl. No.	Month	Average Rainfall (in m.m.)	Normal Rainfall (in m.m.)
1.	JANUARY	Nil	14.6
2	FEBRUARY	30.4	33.8
3	MARCH	19.9	33.1
4	APRIL	12.9	42.1
5	MAY	78.1	94.8
6	JUNE	130.2	241.4
7	JULY	427.8	318.0
8	AUGUST	367.6	343.6
9	SEPTEMBER	158.8	241.1
10	OCTOBER	108.8	101.3

**2.4.3 Rain Recording Stations.**

Sl. No	Name of the Block	Telephone Number of Rain Recording Officers
01	Anandapur	7684821623
02	Ghasipura	9437752905
03	Hatadihi	8337933643
04	Ghatgaon	9938792793
05	Harichandanpur	9938962920
06	Patna	9438239552
07	Saharpada	9668504745
08	Keonjhar	8018516611
09	Banspal	9437752989
10	Telkoi	9438388803
11	Jhumpura	9937824471
12	Champua	9938000489
13	Joda	9438387827

## 2.5 Area and Administrative Divisions:

This District consists of Three Sub-Divisions, Thirteen Tahsils & Blocks and 286 Gram Panchayats and 1 NAC (Champua).

Sl. No.	Name of the Subdivision	Headquarters	Number of Blocks	Name of Tahasil
01	Sadar	Keonjhar	Keonjhar, Bansapl, Telkoi, Patna Saharpada, Ghatgaon, Harichandanpur	Keonjhar, Bansapl, Telkoi, Patna Saharpada, Ghatgaon, Harichandanpur
02	Anandapur	Anandapur	Anandapur, Ghasipura, Hatadihi	Anandapur, Ghasipura, Hatadihi
03	Champua	Champua	Champua, Joda, Jhumpura	Champua, Barbil, Jhumpura

## 2.6 Demographic Profile:

2011 census enumerated 18,41,446 population in the district out of which 15,83,644 i.e. 86% live in rural areas and 2,57,802 (14%) live in urban areas. Of the total population, male and female population comprises 50.36% and 49.63% respectively. In absolute figures the male and female population is 927475 and 913971 respectively. The devinial growth rate recorded for the district is 15.42% as against 16.83% in the State. Making a comparison with growth rate of previous decade, it is revealed that the total district growth rate has been reduced to a considerable extent. In 2011 census the DGR was 19.95 which has been reduced to 16.79 in 2001. The rural growth rate was recorded 18.40 in 1991 census. The density of population is 217/sqr.kms.

According to the classification of water group, the labour forces in the district are distributed as follows:

Cultivation	2,56,257
Agricultural laborers.	2,26,028
Household Industry.	27,550
Others.	1,63,049

Due to preponderance of Scheduled Tribe population and economic backwardness, all the above Blocks except Anandapur, Hatadihi and Ghasipura have been declared as Tribal Sub-Plan Blocks. According to 2011 census this district has been ranked as 3<sup>rd</sup> in the State so far tribal concentration is concerned.

## 2.7 Socio-Economic Profile:

### 2.7.1 Back drop.

The district of Keonjhar constitutes 5.33% of land mass 4.30% of population and 5.42% forest area of the State. Inside the district, above one third of the total geographical area is covered with forests. Geologically the district is endowed with vast deposits of iron ore and manganese as also some amounts of cromites. Joda, Banspal, Champua and Harichandanpur are the Blocks having mineral deposits. The Joda Block though socially and economically backward but still industrially much advanced in comparison to other parts of the district due to its large scale mineral deposits. 76% of the total house holds of the district belong to BPL category according to 1997 BPL census. Out of the total BPL house holds 69% are SC/ST house holds and 31% are other house holds.

### 2.7.2 Employment Situation.

40% of total population constitutes the labour force of the district; out of which 63% are main workers and 37% are marginal workers. From total main workers available in the district 33% are engaged in cultivation, 36% are agricultural laborers and 4% are industrial workers. 26% of the main workers are engaged in other sectors.

### 2.7.3 Education.

The literary rate as enumerated in 2011 census in the district of Keonjhar is 68.20% out of the total literacy, which Male literacy is 78.10% and that of Female is 58.30%. Further, there is uneven pattern of distribution of literacy in the district. The hilly and forested part of the district is having less percentage of literacy than the district average and that of plan area i.e. Anandapur Sub-Division is having little higher rate of education than the district average. The pre-dominance of tribals in the hilly area is one of the reasons for low rate of education in these areas. Many innovations in the field of education have been implemented for enhancing the rate of education among the people of these areas. The infrastructures available in the district under this sector are given as under:-

Sl. No.	Block	Primary schools	Middle schools	Secondary Schools	Colleges
1.	Anandapur	131	68	36	2
2.	Banspal	141	45	23	1
3.	Champua	119	75	42	4
4.	Ghasipura	115	97	39	3
5.	Ghatgoan	117	65	38	3
6.	Harichandanpur	155	71	30	3
7.	Hatadihi	141	147	54	1
8.	Jhumpura	120	76	38	2
9.	Joda	133	72	20	2
10.	Keonjhar	176	101	60	6
11.	Patna	118	72	40	3
12.	Saharpada	94	67	32	2
13.	Telkoi	119	80	32	3
TOTAL		1679	1036	484	35

### 2.8 Population:

Sl. No	Name of Block	S. C.		S. T.		Others		Total	
		M	F	M	F	M	F	M	F
1	Keonjhar	5739	5567	29017	29019	23976	23406	58732	57992
2.	Harichandanpur	3876	3831	27945	27388	20599	19743	52420	50962
3	Patna	2849	2942	20772	21200	16618	16840	40239	40982
4.	Ghatgaon	2528	2493	27464	27658	14172	13511	44164	43662
5	Saharpada	3004	3029	19521	20211	12425	12712	34950	35952
6	Telkoi	4027	3920	19178	18737	14396	13952	37601	36609
7	Banspal	1488	1515	27743	28270	5965	5666	35196	35451
8	Anandapur	5571	5383	19387	19271	17318	16801	42276	41455
9	Hatadihi	14542	14414	10513	10160	36678	35450	61733	60024
10	Ghasipura	12007	11572	12066	11627	38670	37785	62743	60984
11	Champua	3890	3770	18567	19034	20381	20209	42838	43013
12	Jhumpura	2802	2863	20156	20282	18784	18558	41742	41703
13	Joda	4225	4056	26106	26320	13778	11555	44109	41931

**2.9 Demographic Details:**

Sl. No.	Name of the Block/ ULBs/ Cenus Town	Total H . H	Population		
			Male	Female	Total
1	Keonjhar	36172	81195	80736	161931
2	Harichandanpur	32676	71415	70735	142150
3	Patna	24040	50545	50973	101518
4	Ghatagaon	26882	59051	59256	118307
5	Saharapada	19939	43337	44977	88314
6	Telkoi	21601	48056	48534	96590
7	Banspal	21503	50396	52131	102527
8	Anandpur	24250	55016	54653	109669
9	Hatadihi	37064	83135	81494	164629
10	Ghasipura	33606	74858	73696	148554
11	Champua	25736	57732	57589	115321
12	Jhumpura	25482	56382	56767	113149
13	Joda	28356	64537	61191	125728
14	Barbil (M)	15094	34938	31602	66540
15	Joda(M)	10643	23951	22680	46631
16	Keonjhar(M)	13627	31481	29109	60590
17	Anandapur(M)	8601	20462	19123	39585
18	Balgoda (Bolani) CT	2707	6152	5556	11708
19	Jajanga (CT)	1820	3978	3504	7482
20	Champua (CT)	1966	5543	4851	10394
21	Jhumpura (CT)	1323	3153	2911	6064
22	Daitari (CT)	1043	2162	1903	4065

**2.10 Household Details:**

Sl. No.	Block	No of APL	No of BPL		
			ST	SC	Gen
1	Keonjhar	17081	12247	2541	6978
2	Harichandanpur	5135	12408	1974	6889
3	Patna	5084	8251	1256	4460
4	Ghatgaon	4470	12275	1331	4101
5	Saharpada	3416	8660	1355	3809
6	Telkoi	2651	8286	1964	4862
7	Banspal	2157	13749	780	2364
8	Anandpur	3613	8930	2469	4700
9	Hatadihi	9345	4572	6140	7016
10	Ghasipura	6235	5362	4753	8986
11	Champua	3897	8726	1748	6107
12	Jhumpura	5342	9483	1441	5435
13	Joda	7740	10165	1357	2890

**2.11 Type of Workers:**

Skilled Worker		Semi skilled workers		Un-skilled workers		Total	
M	F	M	F	M	F	M	F
5795	160	4605	255	18620	17577	29072	17992



**2.12 Topographical Details:****2.12.1 Crop Area (In Hect.)****(a) PADDY**

Sl. No	Name of the Block	Agricultural Land			Grazing Land	Forest Land	Others	Total
		High	Mid	Low				
1	Anandapur	1055	5182	3763	1657	5293	11432	28382
2	Ghasipura	859	8809	4272	1988	5742	12259	33929
3	Hatadihi	2851	8017	9592	1301	8600	5383	35744
4	Ghatgaon	4977	4878	2945	1611	36600	15677	66688
5	Harichandanpur	4948	5000	3802	1809	45402	16560	77521
6	Patna	2836	11112	1352	1136	9721	9911	36068
7	Saharpada	5825	6665	3310	1181	6098	8603	31682
8	Keonjhar	1671	15109	2570	1653	13069	7967	42039
9	Banspal	1131	3075	594	1303	83589	63072	152764
10	Telkoi	3707	5223	1570	1006	59118	14741	85365
11	Jhumpura	5623	12187	2690	1381	16706	12211	50798
12	Champua	2047	10695	1808	690	5862	6915	28017
13	Joda	5750	3880	1120	2915	14872	18093	46630
	Total	43280	99832	39388	19631	310672	202824	715627

**(b)NON- PADDY**

Sl. No	Name of the Block	Agricultural land(in Ha)		
		High	Medium	Low
1	Anandapur	8442	-	-
2	Ghasipura	7009	-	-
3	Hatadihi	8744	-	-
4	Ghatgaon	7410	-	-
5	Harichandanpur	12250	-	-
6	Patna	10140	-	-
7	Saharpada	9689	-	-
8	Keonjhar	14034	-	-
9	Banspal	11020	-	-
10	Telkoi	6141	-	-
11	Jhumpura	5859	-	-
12	Champua	9365	-	-
13	Joda	5270	-	-
	Total	115373	-	-

**2.13 Land Holding Pattern (No. of HH):**

Sl. No.	Name of the Block	Big Farmers	Marginal Farmers	Small Farmers	Agricultural Labourers	Land Less	Total
01	Anandapu	767	14514	3768		-	19049
02	Ghasipura	1591	17221	5377		-	24189
03	Hatadihi	1145	21897	4104		-	27146
04	Ghatgaon	909	12735	4606		-	18250
05	Harichandanpur	1363	14989	4175		-	20527

06	Patna	629	14297	2588		-	17514
07	Saharpada	1289	12395	3413		-	17097
08	Keonjhar	1131	19739	4617		-	25487
09	Banspal	231	15336	3179		-	18746
10	Telkoi	918	13929	4698		-	19545
11	Jhumpura	481	14489	2313		-	17283
12	Champua	1067	15671	3606		-	20344
13	Joda	449	9479	1152		-	11080
	Total	11970	196691	47596		-	256257

#### 2.14 Cropping Pattern:

Sl. No	Name of the Block	Type of Crops	Area Cultivated (in Hect)	Area under Crop Insurance(in Hect)
1	Anandapur	Paddy	8945	
		Maize	250	
		Pulses	4280	
		Oil seeds	375	
		Fibres	980	
		Vegetable	2277	
2	Ghasipura	Paddy	13164	
		Maize	154	
		Pulses	3890	
		Oil seeds	431	
		Fibres	195	
		Vegetable	1732	
3	Hatadihi	Paddy	18945	
		Maize	348	
		Pulses	2855	
		Oil seeds	112	
		Fibres	274	
		Vegetable	5278	
4	Ghatgaon	Paddy	11860	
		Maize	1865	
		Pulses	1315	
		Oil seeds	1590	
		Fibres	350	
		Vegetable	1704	
5	Harichandanpur	Paddy	13016	
		Maize	2390	
		Pulses	1553	
		Oil seeds	3264	
		Fibres	500	
		Vegetable	3745	
6	Patna	Paddy	14105	
		Maize	1439	
		Pulses	1177	
		Oil seeds	4630	

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		Fibres	300
		Vegetable	2285
7	Saharpada	Paddy	14620
		Maize	1640
		Pulses	2882
		Oil seeds	621
		Fibres	42
		Vegetable	4194
8	Keonjhar	Paddy	18500
		Maize	2025
		Pulses	2750
		Oil seeds	770
		Fibres	149
		Vegetable	7575
9	Banspal	Paddy	3950
		Maize	4720
		Pulses	903
		Oil seeds	3931
		Fibres	105
		Vegetable	658
10	Telkoi	Paddy	9551
		Maize	1040
		Pulses	2629
		Oil seeds	530
		Fibres	75
		Vegetable	1501
11	Champua	Paddy	13451
		Maize	1733
		Pulses	3929
		Oil seeds	1459
		Fibres	105
		Vegetable	1489
12	Jhumpura	Paddy	18730
		Maize	2017
		Pulses	2214
		Oil seeds	620
		Fibres	100
		Vegetable	752
13	Joda	Paddy	8475
		Maize	1370
		Pulses	2299
		Oil seeds	1015
		Fibres	210
		Vegetable	1006

**2.15 Availability of Irrigation facility:**

Sl. No.	Name of the Project	Ayacut area in Hect
01	Remal irrigation Project	4708
02	Kanjhari Irrigation Project	10,900
03	Anandpur Barrage Project	---
04	Salandi Irrigation Project	12,265

**2.16 Drinking Water Sources:**

Sl.No	Name of Block	Total nos. of running sources as on 30.09.2014			Functional tube wells	Defunct tube well	No of Stand post
		T.W	S.W	Total			
1	Anandapur	927	33	960	844	83	408
2	Banspal	467	544	1011	456	11	125
3	Champua	1235	39	1274	1228	7	377
4	Ghasipura	1390	14	1404	1319	71	886
5	Ghatgaon	1380	9	1389	1368	12	520
6	Harichandanpur	1237	41	1278	1202	35	323
7	Hatadihi	1393	54	1447	1358	35	493
8	Jhumpura	1164	65	1229	1148	16	350
9	Joda	397	250	647	389	8	147
10	Keonjhar	1420	59	1479	1381	39	440
11	Patna	1233	33	1266	1225	8	252
12	Saharpada	1193	9	1202	1175	18	346
13	Telkoi	1073	167	1240	1037	36	435
	<b>Total</b>	<b>14509</b>	<b>1317</b>	<b>15826</b>	<b>14130</b>	<b>379</b>	<b>5102</b>

**2.17 Industries:**

Sl. No	Name of the Block	Name of the Industries	Manpower Employed	Infrastructure Available					
				Power Plant	DG Set	Machinery available		Tree Cutter	Gas Cutter
						Loader	JCB		
01.	Joda	M/s- Ferro Manganese Plant, Joda	650	-	Yes	Yes	Yes	-	Yes
		M/s- Tata Sponge Iron Ltd., Bileipada	1500	Yes	-	Yes	Yes	-	Yes
		M/s- N.K Bhajani (P) Ltd. Rugudihi	150	-	Yes	Yes	Yes	-	Yes
		M/s- Rungta Mines Korakolha	350	-	Yes	Yes	Yes	-	Yes
		M/s- Arya Iron & Steel Co. (P) Ltd., Barbil	862	-	Yes	Yes	Yes	-	Yes
		M/s- K.J.S Ahluwalia Steel & Power Divn., rugudihi	850	-	Yes	Yes	Yes	-	Yes
		M/s- Jindal Steel & Power Ltd., Keonjhar	3000	-	Yes	Yes	Yes	-	Yes

02.	Sadar Block Keonjhar	M/s- Shree Jagannath Metalik Ind, Ltd., Khaprakhai	500	-	Yes	Yes	Yes	-	Yes
		M/s- Patanaik Minerals (P) Ltd., Ramachandrapur	100	Yes	-	Yes	Yes	-	Yes
		M/s- M.S.P Sponge Iron Ltd., Haladiagura, Gobardhan	1000	-	Yes	Yes	Yes	-	Yes
03.	Harichanda npur	M/s- Ferro Alloys Plant, Brahmanipal	749	Yes		Yes	Yes	-	Yes
04.	Jhumpura	M/s- patnaik Steel & Alloys, purunapani	750	-	Yes	Yes	Yes	-	Yes
05.	Banspal	M/s- Ardent Steel Ltd., Phuljhar, Suakati	800	-	Yes	Yes	Yes	-	Yes

### 2.18 Financial Institutions:

Sl. No.	No. of Branches	Name of Block	Name of the Bank with Service Area	Rural / Semi Urban
1	1	Anandapur	BOB-Gayalmunda	Rural
2	2	Anandapur	BOI-Anandapur	Semi-urban
3	3	Anandapur	BOI-Belabahali	Rural
4	4	Anandapur	BOI-Kodapada	Rural
5	5	Anandapur	BOI-Salabani	Rural
6	6	Anandapur	CANARA BANK-Anandapur	Semi Urban
7	7	Anandapur	IOB-Anandapur	Semi Urban
8	8	Anandapur	KCCB-Anandapur	Semi Urban
9	9	Anandapur	OGB-Anandapur	Semi Urban
10	10	Anandapur	OGB-Dhokata	Rural
11	11	Anandapur	OGB-Salapada	Rural
12	12	Anandapur	OGB-Taratara	Rural
13	13	Anandapur	PNB-Anandapur	Semi Urban
14	14	Anandapur	SBI-Anandapur	Semi Urban
15	1	Banspal	BOI-Banspal	Rural
16	2	Banspal	BOI-Suakati	Rural
17	3	Banspal	OGB-Banspal	Rural
18	4	Banspal	OGB-Bayapandadhar	Rural
19	5	Banspal	OGB-Kanjipani	Rural
20	1	Champua	BOI-Champua	Rural
21	2	Champua	BOI-Remuli	Rural
22	3	Champua	KCCB-Champua	Rural
23	4	Champua	OGB-Bhanda	Rural
24	5	Champua	OGB-Champua	Rural
25	6	Champua	OGB-Jyotipur	Rural
26	7	Champua	OGB-Karanjia	Rural
27	8	Champua	OGB-Remuli	Rural
28	9	Champua	SBI-Chimila	Rural

29	1	<b>Ghasipura</b>	BOI-Alati	Rural
30	2	<b>Ghasipura</b>	BOI-Ghasipura	Semi Urban
31	3	<b>Ghasipura</b>	BOI-Ramachandarapur	Rural
32	4	<b>Ghasipura</b>	KCCB-Ghasipura	Semi Urban
33	5	<b>Ghasipura</b>	KCCB-Sainkul	Rural
34	6	<b>Ghasipura</b>	OGB-Bato	Rural
35	7	<b>Ghasipura</b>	OGB-Deogaon	Rural
36	8	<b>Ghasipura</b>	OGB-Khaliamenta	Rural
37	9	<b>Ghasipura</b>	OGB-Sainkul	Rural
38	10	<b>Ghasipura</b>	SBI-Ghasipura	Semi Urban
39	11	<b>Ghasipura</b>	UCO-Ghasipura	Semi Urban
40	12	<b>Ghasipura</b>	UNION BANK-Keshdurapal	Rural
41	13	<b>Ghasipura</b>	UNITED BANK-Sailong	Semi Urban
42	1	<b>Ghatagaon</b>	ANDHRA BANK-Dhenkikote	Rural
43	2	<b>Ghatagaon</b>	BOB-Basantapur	Rural
44	3	<b>Ghatagaon</b>	BOI-Dhenkikote	Rural
45	4	<b>Ghatagaon</b>	BOI-Tarini Temple	Rural
46	5	<b>Ghatagaon</b>	OGB-Barahatipura	Rural
47	6	<b>Ghatagaon</b>	OGB-Ghatagaon	Rural
48	7	<b>Ghatagaon</b>	OGB-Pandapada	Rural
49	8	<b>Ghatagaon</b>	OGB-Pipilia	Rural
50	9	<b>Ghatagaon</b>	KCCB-Ghatagaon	Rural
51	10	<b>Ghatagaon</b>	SBI-Ghatagaon	Rural
52	1	<b>Harichandanpur</b>	BOI-Daitari	Rural
53	2	<b>Harichandanpur</b>	BOI-Harichandanpur	Rural
54	3	<b>Harichandanpur</b>	BOI-Revenapalaspal	Rural
55	4	<b>Harichandanpur</b>	CBI-Brahamanipal	Rural
56	5	<b>Harichandanpur</b>	KCCB-Harichandanpur	Rural
57	6	<b>Harichandanpur</b>	OGB-Bhagamunda	Rural
58	7	<b>Harichandanpur</b>	OGB-Pithagola	Rural
59	8	<b>Harichandanpur</b>	SBI-Janghira	Rural
60	1	<b>Hatadihi</b>	BOI-Bancho	Rural
61	2	<b>Hatadihi</b>	BOI-Boula	Rural
62	3	<b>Hatadihi</b>	BOI-Hatadihi	Rural
63	4	<b>Hatadihi</b>	KCCB-Hatadihi	Rural
64	5	<b>Hatadihi</b>	OGB-Chhenapadi	Rural
65	6	<b>Hatadihi</b>	OGB-Nandipada	Rural
66	7	<b>Hatadihi</b>	OGB-Salania	Rural
67	8	<b>Hatadihi</b>	OGB-Soso	Rural
68	9	<b>Hatadihi</b>	UCO BANK- Bidyadharpur	Rural
69	10	<b>Hatadihi</b>	UNION BANK-Panchgochhia	Rural
70	1	<b>Jhumpura</b>	BOB-Malada	Rural
71	2	<b>Jhumpura</b>	BOI-Jhumpura	Rural
72	3	<b>Jhumpura</b>	BOI-Nayagarh	Rural

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73	4	<b>Jhumpura</b>	KCCB-Jhumpura	Rural
74	5	<b>Jhumpura</b>	OGB-Arsala	Rural
75	6	<b>Jhumpura</b>	OGB-Balibandha	Rural
76	7	<b>Jhumpura</b>	OGB-Chauthia	Rural
77	8	<b>Jhumpura</b>	SBI-Jhumpura	Rural
78	9	<b>Jhumpura</b>	SBI-Naradapur	Rural
79	10	<b>Jhumpura</b>	SBI-Ukhunda	Rural
80	1	<b>Joda</b>	ALLAHABAD BANK-Barbil	Semi Urban
81	2	<b>Joda</b>	ANDHRA BANK-Barbil	Semi Urban
82	3	<b>Joda</b>	ANDHRA BANK-Joda	Semi Urban
83	4	<b>Joda</b>	BOB-Barbil	Semi Urban
84	5	<b>Joda</b>	BOB-Joda	Semi Urban
85	6	<b>Joda</b>	BOI-Bhadrasahi	Rural
86	7	<b>Joda</b>	BOI-Barbil	Semi Urban
87	8	<b>Joda</b>	BOI-Joda	Semi Urban
88	9	<b>Joda</b>	BOI-Kandara	Rural
89	10	<b>Joda</b>	CANARA-Barbil	Semi Urban
90	11	<b>Joda</b>	CANARA-Joda	Semi Urban
91	12	<b>Joda</b>	CBI-Barbil	Semi Urban
92	13	<b>Joda</b>	CORPORATION BANK-Barbil	Semi Urban
93	14	<b>Joda</b>	OBC-Barbil	Semi Urban
94	15	<b>Joda</b>	IDBI-Barbil	Semi Urban
95	16	<b>Joda</b>	IDBI-Joda	Semi Urban
96	17	<b>Joda</b>	INDIAN-Barbil	Semi Urban
97	18	<b>Joda</b>	INDIAN-Joda	Semi Urban
98	19	<b>Joda</b>	IOB-Joda	Semi Urban
99	20	<b>Joda</b>	KCCB-Barbil	Semi Urban
100	21	<b>Joda</b>	KCCB-Joda	Semi Urban
101	22	<b>Joda</b>	OGB-Bamebari	Rural
102	23	<b>Joda</b>	OGB-Barbil	Semi Urban
103	24	<b>Joda</b>	OGB-Basudevpur	Rural
104	25	<b>Joda</b>	OGB-Beleipada	Rural
105	26	<b>Joda</b>	OGB-Joda	Semi Urban
106	27	<b>Joda</b>	PNB-Barbil	Semi Urban
107	28	<b>Joda</b>	PNB-Joda	Semi Urban
108	29	<b>Joda</b>	SBI-Barbil	Semi Urban
109	30	<b>Joda</b>	SBI-Barbil Evening	Semi Urban
110	31	<b>Joda</b>	SBI-Beleipada	Rural
111	32	<b>Joda</b>	SBI-Bhadrasahi	Rural
112	33	<b>Joda</b>	SBI-Bolani	Rural
113	34	<b>Joda</b>	SBI-Guali	Rural
114	35	<b>Joda</b>	SBI-Joda	Semi Urban
115	36	<b>Joda</b>	SBI-Jurudi	Rural
116	37	<b>Joda</b>	SYNDICATE BANK-Barbil	Semi Urban

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117	38	<b>Joda</b>	UCO BANK-Barbil	Semi Urban
118	39	<b>Joda</b>	UNION BANK- Barbil	Semi Urban
119	40	<b>Joda</b>	UNITED BANK- Barbil	Semi Urban
120	41	<b>Joda</b>	AXIS BANK- Barbil	Semi Urban
121	42	<b>Joda</b>	HDFC BANK- Barbil	Semi Urban
122	43	<b>Joda</b>	HDFC BANK-JODA	Semi Urban
123	44	<b>Joda</b>	ICICI BANK- Barbil	Semi Urban
124	45	<b>Joda</b>	ICICI BANK-Joda	Semi Urban
125	46	<b>Joda</b>	INDUSIND BANK- Barbil	Semi Urban
126	47	<b>Joda</b>	INDUSIND BANK-Guali	Rural
127	48	<b>Joda</b>	INDUSIND BANK-Joda	Semi Urban
128	49	<b>Joda</b>	ING VYSYA BANK- Barbil	Semi Urban
129	50	<b>Joda</b>	KOTAK MAHINDRA BANK- Barbil	Semi Urban
130	51	<b>Joda</b>	KOTAK MAHINDRA BANK-Joda	Semi Urban
131	1	<b>Keonjhar</b>	ALLAHABAD BANK-Keonjhar	Semi Urban
132	2	<b>Keonjhar</b>	ANDHRA BANK-Keonjhar	Semi Urban
133	3	<b>Keonjhar</b>	BOB-Keonjhar	Semi Urban
134	4	<b>Keonjhar</b>	BOI-Badahal	Semi Urban
135	5	<b>Keonjhar</b>	BOI-Keonjhar	Semi Urban
136	6	<b>Keonjhar</b>	BOI-Naranpur	Rural
137	7	<b>Keonjhar</b>	BOI-Old Town	Semi Urban
138	8	<b>Keonjhar</b>	BOI-OSIL	Rural
139	9	<b>Keonjhar</b>	BOI-Raisuan	Rural
140	10	<b>Keonjhar</b>	CANARA BANK-Handibhanga	Rural
141	11	<b>Keonjhar</b>	CANARA BANK-Keonjhar	Semi Urban
142	12	<b>Keonjhar</b>	CBI-Keonjhar	Semi Urban
143	13	<b>Keonjhar</b>	CORPORATION BANK-Keonjhar	Semi Urban
144	14	<b>Keonjhar</b>	IDBI-Keonjhar	Semi Urban
145	15	<b>Keonjhar</b>	INDIAN BANK-Keonjhar	Semi Urban
146	16	<b>Keonjhar</b>	IOB-Keonjhar	Semi Urban
147	17	<b>Keonjhar</b>	KCCB-Sadar	Semi Urban
148	18	<b>Keonjhar</b>	KCCB-WOMEN'S	Semi Urban
149	19	<b>Keonjhar</b>	OBC-Keonjhar	Semi Urban
150	20	<b>Keonjhar</b>	OGB-D.D. College	Semi Urban
151	21	<b>Keonjhar</b>	OGB-Keonjhar	Semi Urban
152	22	<b>Keonjhar</b>	OGB-Mahadeijoda	Rural
153	23	<b>Keonjhar</b>	OGB-OSME	Semi Urban
154	24	<b>Keonjhar</b>	OGB-Padmapur	Rural
155	25	<b>Keonjhar</b>	OGB-Palaspanga	Rural
156	26	<b>Keonjhar</b>	PNB-Keonjhar	Semi Urban
157	27	<b>Keonjhar</b>	SBI-Keonjhar	Semi Urban
158	28	<b>Keonjhar</b>	SBI-Mining Road	Semi Urban
159	29	<b>Keonjhar</b>	SBI-Padmapur	Rural



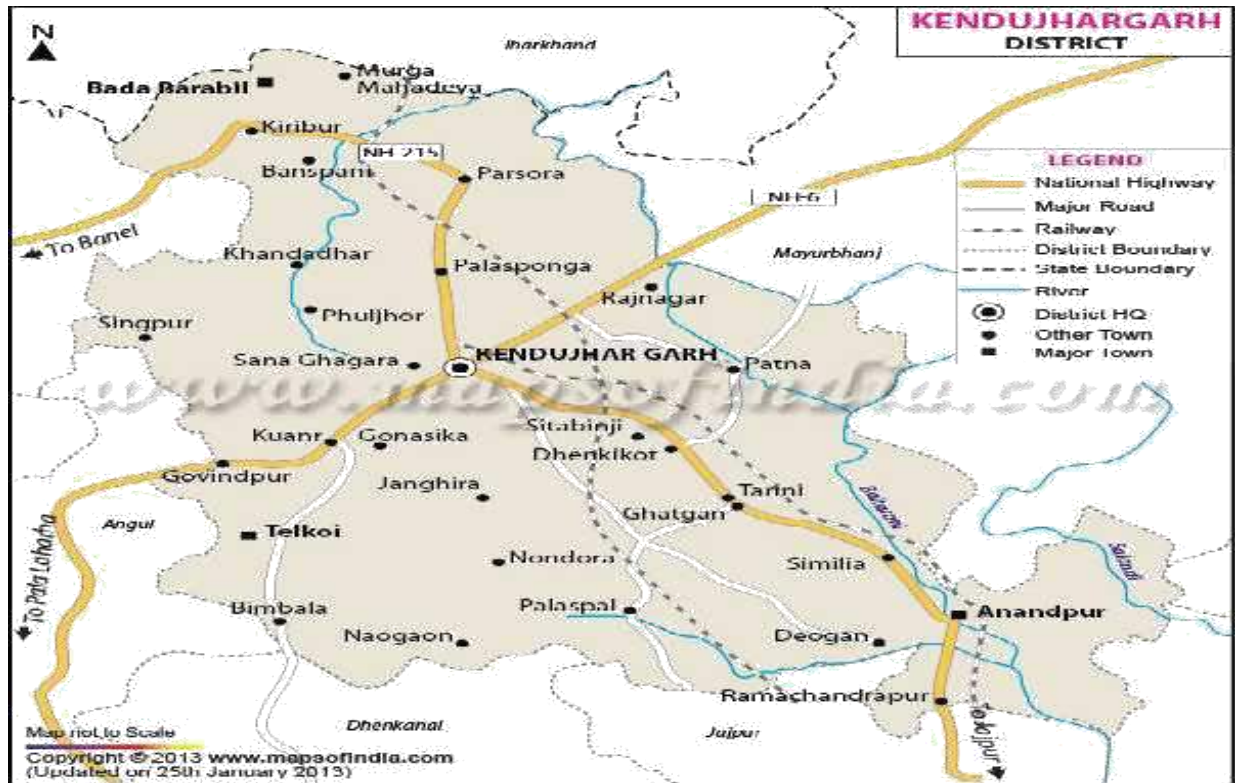
160	30	<b>Keonjhar</b>	SYNDICATE - Keonjhar	Semi Urban
161	31	<b>Keonjhar</b>	UCO BANK- Keonjhar	Semi Urban
162	32	<b>Keonjhar</b>	UNION BANK- Keonjhar	Semi Urban
163	33	<b>Keonjhar</b>	UNITED BANK - Keonjhar	Semi Urban
164	34	<b>Keonjhar</b>	AXIS BANK- Keonjhar	Semi Urban
165	35	<b>Keonjhar</b>	HDFC BANK- Keonjhar	Semi Urban
166	36	<b>Keonjhar</b>	ICICI BANK- Keonjhar	Semi Urban
167	37	<b>Keonjhar</b>	INDUSIND BANK-K Keonjhar	Semi Urban
168	1	<b>Patna</b>	BOI-Chilida	Rural
169	2	<b>Patna</b>	BOI-Swampatna	Rural
170	3	<b>Patna</b>	BOI-Turumunga	Rural
171	4	<b>Patna</b>	KCCB-Turumunga	Rural
172	5	<b>Patna</b>	OGB-Chilida	Rural
173	6	<b>Patna</b>	OGB-Kendeiposi	Rural
174	7	<b>Patna</b>	OGB-Khireitangri	Rural
175	8	<b>Patna</b>	OGB-Malliposi	Rural
176	9	<b>Patna</b>	SBI-Swampatna	Rural
177	10	<b>Patna</b>	UNION BANK-Dumuria	Rural
178	1	<b>Saharpada</b>	BOI-Barbilla	Rural
179	2	<b>Saharpada</b>	BOI-Saharpada	Rural
180	3	<b>Saharpada</b>	BOI-Udaypur	Rural
181	4	<b>Saharpada</b>	KCCB-Saharpada	Rural
182	5	<b>Saharpada</b>	OGB-Kundala	Rural
183	6	<b>Saharpada</b>	OGB-Machhagarh	Rural
184	1	<b>Telkoi</b>	BOI-Sirigida	Rural
185	2	<b>Telkoi</b>	BOI-Telkoi	Rural
186	3	<b>Telkoi</b>	KCCB-Telkoi	Rural
187	4	<b>Telkoi</b>	OGB-Benamunda	Rural
188	5	<b>Telkoi</b>	SBI-Akul	Rural
189	6	<b>Telkoi</b>	SBI-Jagamohanpur	Rural



## CHAPTER-III

### COMMUNICATION NETWORKS.

#### 3.1 Roads:



Two principal National High Ways namely NH-49 and NH-215 passes through the district. The length-wise distribution of different category of roads is given as under:-

1.	National High Way-	321	(NH-49-92+NH-215-229)
2.	S.H. -	79.01	
3.	MDRs. -	76	
4.	ODR-	484.40	
5.	Forest roads-	246.07	
6.	CVR-	515	
7.	VRs-	3951	
8.	Urban roads.	538	
9.	Rural Roads.	1210.002	
10.	G.P roads	2922.60	
11.	Panchyat Samiti road	1111.20	

**3.2 Railways:**

1. Total Railway length (in Kms) - 164.82
2. No. of Railways Stations & PH - 16
3. Railways-From Barbil to Tangariapal about 164.82 K.Ms.

**3.3 Tele-Communication Network:****3.3.1 VHF Stations**

Total 18 V.H.F. are installed in the district as per the following location.

Sl. No.	Name of the office	Officer in-charge of VHF	Availability of VHF	Present status of VHF
1	Collectorate, Keonjhar	A.D.M.	Yes	Out of Order
2	Sub-Collector, Champua	Sub-Collector	Yes	Out of Order
3	Sub-Collector, Anandapur	Sub-Collector	Yes	Out of Order
4	Tahasildar, Ghatgaon	Tahasildar	Yes	Out of Order
5	B.D.O.Hatadihi.	B.D.O.	Yes	Out of Order
6	G.P. Office Hadagarh.	G.P. Secretary	Yes	Out of Order
7	B.D.O.Anandpur	B.D.O.	Yes	Out of Order
8	B.D.O.Ghasipura	B.D.O.	Yes	Out of Order
9	B.D.O.Keonjhar	B.D.O.	Yes	Out of Order
10	B.D.O.Harichandanpur	B.D.O.	Yes	Out of Order
11	B.D.O.Champua	B.D.O.	Yes	Out of Order
12	B.D.O.Jhumpura	B.D.O.	Yes	Out of Order
13	B.D.O.Banspal	B.D.O.	Yes	Out of Order
14	B.D.O.Patna	B.D.O.	Yes	Out of Order
15	B.D.O Joda	B.D.O.	Yes	Out of Order
16	B.D.O Saharpada	B.D.O.	Yes	Out of Order
17	B.D.O Telkoi	B.D.O.	Yes	Out of Order
18	B.D.O Ghatagaon	B.D.O.	Yes	Out of Order

All the installed VHF's will be prepared before rainy season in order to make them functional so that, these can be used during the time of failure of all other telecommunication networks..

**SATELITE PHONE:**

Besides, there is one Inmarsat Isat Phone-2 satellite phone (No.870776146944) provided by the Special Relief Commissioner, Bhubaneswar which can be effectively used during the failure of all the existing telecommunication networks



**CHAPTER IV****RESOURCE INVENTORY/CAPACITY ANALYSIS.****4.1 Storage Facilities with Capacity:**

Sl. No	Type of storage structure	Location	Capacity	Contact Person	(Address and phone No)
1	G.P.Godown	Mahadeijoda	150 MT	Sarapanch Mahadeijoda GP	Po-Raisuan
2	G.P.Godown	Kandraposi	150 MT	Sarapanch Kandraposi GP	Via-Jhumpura
3	G.P.Godown	Baradapal	150 MT	Sarapanch Baradapal GP	Po-Kusumita Via-Raisuan
4	G.P.Godown	Sirispal	150 MT	Sarapanch Sirispal GP	Via-Naranpur
5	G.P.Godown	Raikala	150 MT	Sarapanch Raikala GP	Via-Jhumpura
6	G.P.Godown	Kathabari	150 MT	Sarapanch Kathabari GP	Po-Kathabari
7	G.P.Godown	.Mandua	150 MT	Sarapanch Mandua GP	Po-Mandua
8	G.P.Godown	Padmapur	150 MT	Sarapanch Padmapur GP	Po-Padmapur
9	G.P.Godown	Bodapalasa	150 MT	Sarapanch Bodapalasa GP	Po-Bodapalasa
10	G.P.Godown	Janardarnapur	150 MT	Sarapanch Janardanpur GP	Po-Raisuan
11	G.P.Godown	Dimbo	150 MT	Sarapanch Dimbo GP	Via-Naranpur
12	G.P.Godown	Raghunathpur	150 MT	Sarapanch Raghunathpur GP	Po-Naranpur
13	G.P.Godown	Kaurikala	150 MT	Sarapanch Kaurikala GP	Via-Jhumpura
14	G.P.Godown	Sankiri	150 MT	Sarapanch Sankiri GP	Via- Raisuan
15	G.P.Godown	Bauripada	150 MT	Sarapanch Bauripda GP	Via-Raisaun
16	G.P.Godown	Gobardhan	150 MT	Sarapanch Gobardhan GP	Via-Raisuan
17	G.P.Godown	Parjanpur	150 MT	Sarapanch Parjanpur GP	Via-Jhumpura
18	G.P.Godown	Handibhanga	150 MT	Sarapanch Handibhanga GP	Via-Raisuan
19	G.P.Godown	Nuagaon	150 MT	Sarapanch Nuagaon GP	Via- Raisaun
20	G.P.Godown	Naranpur	150 MT	Sarapanch Naranpur GP	Po-Naranpur
21	G.P.Godown	Maidankel	150 MT	Sarapanch Maidankel GP	Via-Naranpur
22	G.P.Godown	Palaspanga	150 MT	Sarapanch Palaspanga GP	Via-Jhumpura
23	G.P.Godown	Raisuan	150 MT	Sarapanch Raisuan GP	Po-Raisuan
24	G.P.Godown	Nelung	150 MT	Sarapanch Nelung GP	Po-Nelung
25	G.P.Godown	Kunar	150 MT	Sarapanch Kunar GP	Via-Suakati
26	G.P.Godown	Kumundi	150 MT	Sarapanch Kumundi GP	Via-Suakati
27	G.P.Godown	Banspal	150 MT	Sarapanch Banspal GP	At/Po-Banspal
28	G.P.Godown	Tara	150 MT	Sarapanch Tara GP	Via-Telkoi
29	G.P.Godown	Baragarh	150 MT	Sarapanch Baragarh GP	At/Po-Baragarh
30	G.P.Godown	Gonasika	150 MT	Sarapanch Gonasika GP	Via-Suakati
31	G.P.Godown	Kodipasa	150 MT	Sarapanch Kodipasa GP	At/Po-Kodipasa
32	G.P.Godown	Suakati	150 MT	Sarapanch Suakati GP	At/Po-Suakati
33	G.P.Godown	Bayakumutia	150 MT	Sarapanch Bayakumutia GP	Via-Suakati
34	G.P.Godown	Karangadihi	150 MT	Sarapanch Karangadihi GP	At/Po-Karangadihi
35	G.P.Godown	Talachampe	150 MT	Sarapanch Talachampe GP	Via-Suakati
36	G.P.Godown	Saharpur	150 MT	Sarapanch Saharpur GP	Po-Banspal
37	G.P.Godown	Upperaigoda	150 MT	Sarapanch Upperaigoda GP	Via-Suakati
38	G.P.Godown	Phuljhar	150 MT	Sarapanch Phuljhar GP	Via-Suakati

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39	G.P.Godown	Taramakant	150 MT	Sarapanch Taramakant GP	Po-Taramakant
40	G.P.Godown	Jatra	150 MT	Sarapanch Jatra GP	Via-Banspal
41	G.P.Godown	Singhpur	150 MT	Sarapanch Singhpur GP	Po- Singhpur
42	G.P.Godown	Nayakote	150 MT	Sarapanch Nayakote GP	At/Po-Nayakote
43	G.P.Godown	Talakadakala	150 MT	Sarapanch Talakadakala GP	Po- Kadakala
44	G.P.Godown	Chemana	150 MT	Sarapanch Chemana GP	Via-Turumunga
45	G.P.Godown	Badapatna	150 MT	Sarapanch Badapatna GP	Po-Swampatna
46	G.P.Godown	Kantiapada	150 MT	Sarapanch Kantiapada GP	Via-Kendeiposi
47	G.P.Godown	Chakundapal	150 MT	Sarapanch Chakundapal GP	Via-Kendeposi
48	G.P.Godown	Turumunga	150 MT	Sarapanch Turumunga GP	At/Po-Turumunga
49	G.P.Godown	Budhikakudi	150 MT	SarapanchBudhikakudi GP	Via-Turumunga
50	G.P.Godown	Khereitangiri	150 MT	Sarapanch Khireitangiri GP	At/Po-Khireitangiri
51	G.P.Godown	Baunsuli	150 MT	Sarapanch Baunsuli Gp	Via-Ukhunda
52	G.P.Godown	Dumuria	150 MT	Sarapanch Dumuria GP	Via- Patna
53	G.P.Godown	Tangarpada	150 MT	Sarapanch Tangarapada	Via-Patna
54	G.P.Godown	Mirigikhoji	150 MT	Sarapanch Mirigikhoji GP	Via-Patna
55	G.P.Godown	Chinamaliposi	150 MT	Sarapanch Chinamaliposi GP	At/Po-Chinamaliposi
56	G.P.Godown	Mursuan	150 MT	Sarapanch Murusuan GP	Via-Kendeiposi
57	G.P.Godown	Palanghati	150 MT	Sarapanch Palanghati GP	At/Po-Palanghati
58	G.P.Godown	Kendeiposi	150 MT	Sarapanch Kendeiposi GP	At/po-Kendeiposi
59	G.P.Godown	Mushakhori	150 MT	Sarapanch Mushakhori GP	Via-Patna
60	G.P.Godown	Rajnagar	150 MT	Sarapanch Rajnagar GP	Via-Kendeiposi
61	G.P.Godown	Erendei	150 MT	Sarapanch Erendei GP	Via-Patna
62	G.P.Godown	Jamunaposi	150 MT	Sarapanch Jamunaposi GP	Via-Kendeiposi
63	G.P.Godown	Kaliahata	150 MT	Sarapanch Kaliahata GP	Via-Sirigida
64	G.P.Godown	Oriyabirida	150 MT	Sarapanch Oriyabirida GP	Via-Telkoi
65	G.P.Godown	Saleikana	150 MT	Sarapanch Saleikana GP	Via-Telkoi
66	G.P.Godown	Raisuan	150 MT	Sarapanch Raisuan GP	Via-Sirigida
67	G.P.Godown	Purujoda	150 MT	Sarapanch Purujoda GP	Via-Sirigida
68	G.P.Godown	Bhimkand	150 MT	Sarapanch Bjimkand GP	Via-Sirigida
69	G.P.Godown	Sirigida	150 MT	Sarapanch Sirigida GP	At/Po-Sirigida
70	G.P.Godown	Balabhadrapur	150 MT	Sarapanch Balabhadrapur GP	Via-Sirigida
71	G.P.Godown	Khuntapada	150 MT	Sarapanch Khuntapada GP	Via-Telkoi
72	G.P.Godown	Deuladiha	150 MT	Sarapanch Deuladiha GP	Via-Telkoi
73	G.P.Godown	Kardangi	150 MT	Sarapanch Kardangi GP	Via-Sirigida
74	G.P.Godown	Chhamunda	150 MT	Sarapanch Chhamunda GP	Via-Telkoi
75	G.P.Godown	Dobalapal	150 MT	Sarapanch Dobalapal GP	Via-Telkoi
76	G.P.Godown	Telkoi	150 MT	Sarapanch Telkoi GP	At/Po-Telkoi
77	G.P.Godown	Akul	150 MT	Sarapanch Akul Gp	Via-Sirigida
78	G.P.Godown	Karamangi	150 MT	Sarapanch Karamangi GP	Via-Telkoi
79	G.P.Godown	Bimala	150 MT	Sarapanch Bimala GP	Via-Sirigida
80	G.P.Godown	Binjhabahala	150 MT	Sarapanch BinjhabahalaGP	Via-Telkoi
81	G.P.Godown	Jagamohanpur	150 MT	SarapanchJagmohanpuGP	Via-Telkoi
82	G.P.Godown	Talapada	150 MT	Sarapanch Talapada GP	Via-Sirigida
83	G.P.Godown	Podang	150 MT	Sarapanch Podang GP	Via-Sirigida
84	G.P.Godown	Sibanarayanpur Goda	150 MT	Sarapanch Sibanarayanpur Goda GP	Via-Telkoi

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85	G.P.Godown	Purumunda	150 MT	Sarapanch Purumunda GP	Via-Dhenkikote
86	G.P.Godown	Badmasinabilla	150 MT	SarapanchBadamasinabillaGP	Via-Dhenkikote
87	G.P.Godown	Santrapur	150 MT	Sarapanch Santrapur GP	Via-Dhenkikote
88	G.P.Godown	Sarasposi	150 MT	Sarapanch Sarasposi GP	Via-Dhenkikote
89	G.P.Godown	Rutisila	150 MT	Sarapanch Rutisila GP	Via-Naranpur
90	G.P.Godown	Muktapur	150 MT	Sarapanch Muktapur GP	Via-Dhenkikote
91	G.P.Godown	Mukundapur Patna	150 MT	Sarapanch Mukundapur-patna GP	Po-Ghatgaon
92	G.P.Godown	Manoharpur	150 MT	Sarapanch Manoharpur GP	Via-Dhenkikote
93	G.P.Godown	Bholabeda	150 MT	Sarapanch Bholabeda GP	Via-Dhenkikote
94	G.P.Godown	Binida	150 MT	Sarapanch Binida GP	Via- Naranpur
95	G.P.Godown	Balipokhari	150 MT	Sarapanch Balipokhari GP	Via-Ghatgaon
96	G.P.Godown	Barhatipura	150 MT	Sarapanch Barhatipura GP	Via- Ghatgaon
97	G.P.Godown	Basantapur	150 MT	Sarapanch Basantapur GP	Via-Naranpur
98	G.P.Godown	Badapichula	150 MT	Sarapanch Badapichula GP	Via-Naranpur
99	G.P.Godown	Badajamuposi	150 MT	Sarapanch BaddjamuposiGP	Via-Ghatgaon
100	G.P.Godown	Pipilia	150 MT	Sarapanch Pipilia GP	Via-Dhenkikote
101	G.P.Godown	Pandapada	150 MT	Sarapanch Pandapada GP	Via-Ghatgaon
102	G.P.Godown	Patilo	150 MT	Sarapanch Patilo GP	Via-Naranpur
103	G.P.Godown	Uperdiha	150 MT	Sarapanch Uperdiha GP	Via-Ghatgaon
104	G.P.Godown	Khantaghar	150 MT	Sarapanch Khantaghar GP	Via-Dhenkikote
105	G.P.Godown	Gadadharpur	150 MT	SarapanchGadadharpur GP	Via-Ghatgaon
106	G.P.Godown	Tara	150 MT	Sarapanch Tara GP	Via-Ghatgaon
107	G.P.Godown	Dhenikote	150 MT	Sarapanch Dhenkikote GP	At/Po-Dhenkikote
108	G.P.Godown	Toranipokhari	150 MT	SarapanchToranipokhariGP	Via-Dhenkikote
109	G.P.Godown	Khuntapada	150 MT	Sarapanch Khuntapada GP	Via-Udayapur
110	G.P.Godown	Silipada	150 MT	Sarapanch Silipada GP	Via-Udayapur
111	G.P.Godown	Khadikapada	150 MT	Sarapanch Khadikapada GP	Via-Machhagarh
112	G.P.Godown	Damahuda	150 MT	Sarapanch Damahuda GP	Via-Machhagarh
113	G.P.Godown	Kundula	150 MT	Sarapanch Kundula GP	Po-Mirigikhoji Via- Patna
114	G.P.Godown	Sankhua	150 MT	Sarapanch Sankhua GP	Via-Saharpada
115	G.P.Godown	Digiposi	150 MT	Sarapanch Digiposi GP	Via-Saharpada
116	G.P.Godown	Macchagarh	150 MT	Sarapanch Macchagarh GP	At/Po-Macchagarh
117	G.P.Godown	Tendra	150 MT	Sarapanch Tendra GP	Via-Saharpada
118	G.P.Godown	Raidiha	150 MT	Sarapanch Raidiha GP	Via-Saharpada
119	G.P.Godown	Khajirapat	150 MT	Sarapanch Khajirapat GP	Via-Udayapur
120	G.P.Godown	Malarpada	150 MT	Sarapanch Malarpada GP	Via-Udayapur
121	G.P.Godown	Kapundi	150 MT	Sarapanch Kapundi GP	Via-Saharpada
122	G.P.Godown	Barbil	150 MT	Sarapanch Barbil GP	Po-Tavasara Via-Saharpada
123	G.P.Godown	Goras	150 MT	Sarapanch Goras GP	Via-Macchagarh
124	G.P.Godown	Baikala	150 MT	Sarapanch Baikala GP	Via-Udayapur
125	G.P.Godown	Udayapur	150 MT	Sarapanch Udayapur GP	At/Po-Udayapur
126	G.P.Godown	Saharpada	150 MT	Sarapanch Saharpada GP	At/PoSaharpada
127	G.P.Godown	Bhagamunda	150 MT	Sarapanch Bhagamunda GP	At/Po-Bhagamunda
128	G.P.Godown	Gaunighasa	150 MT	Sarapanch Gaunighasa GP	Po-Chilikidara Via- Bhagamunda

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129	G.P.Godown	Rasol	150 MT	Sarapanch Rasol GP	Po-Bramhanipal Via-Bhagamunda
130	G.P.Godown	Bareigoda	150 MT	Sarapanch Bareigoda GP	Po-R.Palaspal Via-Bhagamunda
131	G.P.Godown	Jirang	150 MT	Sarapanch Jirang GP	Via-Harichandanpur
132	G.P.Godown	Revanapalaspal	150 MT	Sarapanch Revanapalaspal GP	Via-Bhagamunda
133	G.P.Godown	Budhakhamana	150 MT	Sarapanch Budhakhamana GP	PO-Samgiri Via-Janghira
134	G.P.Godown	Harichandanpur	150 MT	Sarapanch Harichandanpur GP	At/Po- Harichandanpur
135	G.P.Godown	Tangiriapal	150 MT	Sarapanch Tangiriapal GP	Via-Bhagamunda
136	G.P.Godown	Jamujodi	150 MT	Sarapanch Jamujodi GP	Po-Bhagamunda ViaHarichandanpur
137	G.P.Godown	Manoharpur	150 MT	Sarapanch Manoharpur GP	Po-Koduadihi ViaHarichandanpur
138	G.P.Godown	Janghira	150 MT	Sarapanch Janghira GP	At/Po-Janghira
139	G.P.Godown	Junga	150 MT	Sarapanch Junga GP	Via-Janghira
140	G.P.Godown	Tentalaposi	150 MT	Sarapanch Tentalaposi GP	Via-Janghira
141	G.P.Godown	Bhanarpur	150 MT	Sarapanch Bhanarpur GP	ViaHarichandanpur
142	G.P.Godown	Boxibarigaon	150 MT	Sarapanch Boxibarigaon GP	Via-Janghira
143	G.P.Godown	Sunapentha	150 MT	Sarapanch Sunapentha GP	ViaHarichandanpur
144	G.P.Godown	Hunda	150 MT	Sarapanch Hunda GP	Via-Janghira
145	G.P.Godown	Dhuridiambo	150 MT	Sarapanch Dhuridiambo GP	Po-Karadapal Via-Bhagamunda
146	G.P.Godown	Badapaspal	150 MT	Sarapanch Badapalaspal GP	ViaHarichandanpur
147	G.P.Godown	Sagadapata	150 MT	Sarapanch Sagadapata GP	Po-Bhagamunda Via-J.K.Road
148	G.P.Godown	Daitari	150 MT	Sarapanch Daitari GP	Po- Talapada
149	G.P.Godown	Pithagola	150 MT	Sarapanch Pithagoda GP	ViaHarichandapaur
150	G.P.Godown	Kalikaprasad	150 MT	Sarapanch Kalikaprasad GP	Via-Remuli
151	G.P.Godown	Hetabali	150 MT	Sarapanch Hetabali GP	Via-Karanjia
152	G.P.Godown	Jamudalak	150 MT	Sarapanch Jamudalak GP	Via-Champua
153	G.P.Godown	Chandrasekhar pur	150 MT	Sarapanch Chandrasekharpur GP	PO-Kanjiasula Via-Karanjia
154	G.P.Godown	Bhanda	150 MT	Sarapanch Bhanda GP	Via-Karanjia
155	G.P.Godown	Kashipal	150 MT	Sarapanch Kashipal GP	Via-Karanjia
156	G.P.Godown	Padua	150 MT	Sarapanch Padua GP	Via-Ukhunda
157	G.P.Godown	Sadangi	150 MT	Sarapanch Sadangi GP	Via-Turumunga
158	G.P.Godown	Rangamatia	150 MT	Sarapanch Rangamatia GP	Via-Karanjia
159	G.P.Godown	Sarei	150 MT	Sarapanch sarei GP	Via- Champua
160	G.P.Godown	Bhuinpur	150 MT	Sarapanch Bhuinpur GP	Via-Ukhunda
161	G.P.Godown	Jajaposi	150 MT	Sarapanch Jajaposi GP	Po-Phulkanlei Via-Turumunga
162	G.P.Godown	Jyotipur	150 MT	Sarapanch Jyotipur GP	Via-Trumunga
163	G.P.Godown	Remuli	150 MT	Sarapanch Remuli GP	At/Po-Remuli
164	G.P.Godown	Kutariposi	150 MT	Sarapanch Kutariiposi GP	PoNayakrushnapur Via-Baneikala

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165	G.P.Godown	Badanai	150 MT	Sarapanch Badanai GP	Via-Karanjia
166	G.P.Godown	Parsala	150 MT	Sarapanch Parsala GP	Via-Remuli
167	G.P.Godown	Rajia	150 MT	Sarapanch Rajia GP	Via-Remuli
168	G.P.Godown	Kodagadia	150 MT	Sarapanch Kodagadia GP	Via-Champua
169	G.P.Godown	Sunaposi	150 MT	Sarapanch Sunaposi GP	Via-Champua
170	G.P.Godown	Karanjia	150 MT	Sarapanch Karanjia GP	At/Po-Karanjia
171	G.P.Godown	Jally	150 MT	Sarapanch Jally GP	Via-Ukhunda
172	G.P.Godown	Kutugaon	150 MT	Sarapanch Kutugaon GP	Via-Joda
173	G.P.Godown	Nischintpur	150 MT	Sarapanch Nischintpur GP	Via-Remuli
174	G.P.Godown	Badaneuli	150 MT	Sarapanch Badaneuli GP	Via-Ukhunda
175	G.P.Godown	Khuntapada	150 MT	Sarapanch Khuntapada GP	Via-Jhumpura
176	G.P.Godown	Naradapur	150 MT	Sarapanch Naradapur GP	Via-Remuli
177	G.P.Godown	Gumura	150 MT	Sarapanch Gumura GP	Via-Remuli
178	G.P.Godown	Asanpat	150 MT	Sarapanch Asanpat GP	Via-Ukhunda
179	G.P.Godown	Tukudiha	150 MT	Sarapanch Tukudiha GP	Via-Ukhunda
180	G.P.Godown	Balibandha	150 MT	Sarapanch Balibandha GP	Via-Jhumpura
181	G.P.Godown	Ukhunda	150 MT	Sarapanch Ukhunda GP	At/Po-Ukhunda
182	G.P.Godown	Malda	150 MT	Sarapanch Malda GP	Via- Jhumpura
183	G.P.Godown	Jhumpura	150 MT	Sarapanch Jhumpura GP	At/Po-Jhumpura
184	G.P.Godown	Baria	150 MT	Sarapanch Baria GP	Via-Ukhunda
185	G.P.Godown	Badadumuria	150 MT	Sarapanch Badadumuria GP	Via-Ukhunda
186	G.P.Godown	Dhanurjaypur	150 MT	Sarapanch Dhanurjaypur GP	Via-Ukhunda
187	G.P.Godown	Khendera	150 MT	Sarapanch Khendera GP	Via-Jhumpura
188	G.P.Godown	Nahabeda	150 MT	Sarapanch Nahabeda GP	Via-Jhumpura
189	G.P.Godown	Gundurua	150 MT	Sarapanch Gundurua GP	Via-Karanjia
190	G.P.Godown	Chauthia	150 MT	Sarapanch Chauthia GP	Via- Karanjia
191	G.P.Godown	Basantapur	150 MT	Sarapanch Basantapur GP	Via- Joda
192	G.P.Godown	Nayagarh	150 MT	Sarapanch Nayagarh GP	Via- Joda
193	G.P.Godown	Arsala	150 MT	Sarapanch Arsala GP	Via-Jhumpura
194	G.P.Godown	Jajang	150 MT	Sarapanch Jajang GP	Via-Bolani
195	G.P.Godown	Balda	150 MT	Sarapanch Balda GP	Po-Bamebari Via-Bolani
196	G.P.Godown	Palasa	150 MT	Sarapanch Palasa GP	Po-Bamebari Via-Bolani
197	G.P.Godown	Bhadrasahi	150 MT	Sarapanch Bhadrasahi GP	Via-Bolani
198	G.P.Godown	Chamakpur	150 MT	Sarapanch ChamakpurGP	Via-Bolani
199	G.P.Godown	Bolani	150 MT	Sarapanch Bolan iGP	At/Po- Bolani
200	G.P.Godown	Balagoda	150 MT	Sarapanch Balagoda GP	Via- Bolani
201	G.P.Godown	Guali	150 MT	Sarapanch GualiGP	Via-Bolani
202	G.P.Godown	Deojhar	150 MT	Sarapanch Deojhar GP	Via-Bolani
203	G.P.Godown	Birikala	150 MT	Sarapanch BirikalaGP	Via-Bolani
204	G.P.Godown	Kandra	150 MT	Sarapanch Kandra GP	Via-Bolani
205	G.P.Godown	Jalahari	150 MT	Sarapanch Jalahari GP	Via-Bolani
206	G.P.Godown	Badakalimati	150 MT	Sarapanch Badakalimati GP	Via-Bolani
207	G.P.Godown	Bhuyanraida	150 MT	Sarapanch BhuyanraidaGP	Via-Bolani
208	G.P.Godown	Anseikala	150 MT	Sarapanch Anseikala GP	Via-Bolani
209	G.P.Godown	Panchupally	150 MT	Sarapanch PanchupallyGP	Via-Salapada
210	G.P.Godown	Bailo	150 MT	Sarapanch Bailo GP	Via-Salapda



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211	G.P.Godown	Gayalamunda	150 MT	Sarapanch Gayalamunda GP	Po-Gayalamunda
212	G.P.Godown	Panasadiha	150 MT	Sarapanch Panasadiha GP	Po-Panasadiha
213	G.P.Godown	Manoharpur	150 MT	Sarapanch Manoharpur GP	Po-Manoharpur
214	G.P.Godown	Kodapada	150 MT	Sarapanch Kodapada GP	Po-Kodapada
215	G.P.Godown	Salabani	150 MT	Sarapanch Salabani GP	Po-Salabani
216	G.P.Godown	Belabahali	150 MT	Sarapanch Belebahali GP	Via-Salapada
217	G.P.Godown	Dhakotha	150 MT	Sarapanch Dhakotha GP	Po-Dhakotha
218	G.P.Godown	Kolimati	150 MT	Sarapanch Kolimati GP	Po-Kolimati
219	G.P.Godown	Haridapal	150 MT	Sarapanch Haridapal GP	Via-Salapada
220	G.P.Godown	Jalasan	150 MT	Sarapanch Jalasan GP	Via-Salapada
221	G.P.Godown	Kantipal	150 MT	Sarapanch Kantipal GP	Po-Kantipal
222	G.P.Godown	Taratara	150 MT	Sarapanch Taratara GP	Po-Taratara
223	G.P.Godown	Kathakata	150 MT	Sarapanch Kathakata GP	Po-Kathakata
224	G.P.Godown	Baragarh	150 MT	Sarapanch Baragarh GP	Po-Baunsagarh
225	G.P.Godown	Deogaon	150 MT	Sarapanch Deogaon GP	Via-Kusaleswar
226	G.P.Godown	Taruan	150 MT	Sarapanch Taruan GP	Via-Sainkul
227	G.P.Godown	Balarampur	150 MT	Sarapanch Balarampur GP	Via-Kusaleswar
228	G.P.Godown	Khaliamenta	150 MT	Sarapanch Khaliamenta GP	Via-Ghasipura
229	G.P.Godown	Kesadurapal	150 MT	Sarapanch Kesadurapal GP	Via-Kusaleswar
230	G.P.Godown	Khalana	150 MT	Sarapanch Khalana GP	Via-Sainkul
231	G.P.Godown	Pandua	150 MT	Sarapanch Pandua GP	Via-Sainkul
232	G.P.Godown	Radhikadeipur	150 MT	Sarapanch Radhikadeipur GP	Via-Kesadurapal
233	G.P.Godown	Saladei	150 MT	Sarapanch Saladei GP	Po-Odapada Via-J.K.Road
234	G.P.Godown	Macchalo	150 MT	Sarapanch Machhalo GP	Via-Sainkul
235	G.P.Godown	Daradipal	150 MT	Sarapanch Daradipal GP	Via-Kusaleswar
236	G.P.Godown	Ganpur	150 MT	Sarapanch Ganpur GP	Via-Sainkul
237	G.P.Godown	Ramachandra- pur	150 MT	Sarapanch Ramchandrapur GP	At/Po- Ramchandrapur
238	G.P.Godown	Batto	150 MT	Sarapanch Batto GP	Via-Sainkul
239	G.P.Godown	Sainkul	150 MT	Sarapanch Sainkul GP	At/Po-Sainkul
240	G.P.Godown	Pandado	150 MT	Sarapanch Pandado GP	Via-Hatadihi
241	G.P.Godown	Samana	150 MT	Sarapanch Samana GP	Via-Fakirpur
242	G.P.Godown	Sulana	150 MT	Sarapanch Sulana GP	Via-Fakirpur
243	G.P.Godown	Gedma	150 MT	Sarapanch Gedma GP	Via-Manjuriroad
244	G.P.Godown	Mareigaon	150 MT	Sarapanch Mareigaon GP	Via-Basantia
245	G.P.Godown	Kaligaon	150 MT	Sarapanch Kaligaon GP	Via-Basantia
246	G.P.Godown	Habaleswar	150 MT	Sarapanch Habaleswar GP	Po-Dumuria Via-Manjuriroad
247	G.P.Godown	Dhenka	150 MT	Sarapanch Dhenka GP	Via-Hadgarh
248	G.P.Godown	Danar	150 MT	Sarapanch Danar GP	Via-Manjuriroad
249	G.P.Godown	Jambhira	150 MT	Sarapanch Jambhira G.P	Po-Sadha
250	G.P.Godown	Kanleibalipasi	150 MT	Sarapanch Kanleibalipasi GP	Po-Raighati
251	G.P.Godown	Hadagarh	150 MT	Sarapanch Hadagarh G.P.	At/Po-Hadagarh
252	G.P.Godown	Orali	150 MT	Sarapanch Orali GP	Via-Basantia
253	G.P.Godown	Balibarei	150 MT	Sarapanch Balibarei GP	Po-Bidyadharpur
254	G.P.Godown	Sasanga	150 MT	Sarapanch Sasanga GP	Chhenapadi
255	G.P.Godown	Sadanga	150 MT	Sarapanch Sadanga GP	Via-Manjuriroad

256	G.P.Godown	Salania	150 MT	Sarapanch Salania GP	Via-Manjuriroad
257	G.P.Godown	Hatadihi	150 MT	Sarapanch Hatadihi GP	At/Po-Hatadihi
258	G.P.Godown	Sadha	150 MT	Sarapanch Sadha GP	Via-Hadgarh
259	G.P.Godown	Soso	150 MT	Sarapanch Soso GP	At/Po- Soso
260	G.P.Godown	Badarampas	150 MT	Sarapanch Badaarampas GP	Via- Hatadihi
261	G.P.Godown	Dhanurjaypur	150 MT	Sarapanch Dhanurjaypur GP	Po-Baula
262	G.P.Godown	Bangore	150 MT	Sarapanch Bangore GP	Via-Hadgarh
263	G.P.Godown	Panchugochhia	150 MT	Sarapanch Panchugochia GP	Po-Mugupur
264	G.P.Godown	Padhiaripalli	150 MT	Sarapanch Padhiaripalli GP	At/Po-Padhiaripalli
265	G.P.Godown	Akarua	150 MT	Sarapanch Akarua GP	Via- Fakirpur
266	G.P.Godown	Ambo	150 MT	Sarapanch Ambo GP	Via-Fakirpur
267	G.P.Godown	Bancho	150 MT	Sarapanch Bancho GP	Via-Fakirpur
268	G.P.Godown	Inchola	150 MT	Sarapanch Inchola GP	Via-Fakirpur
269	G.P.Godown	Aitipur	150 MT	Sarapanch Aitipur GP	Via-Manjuriroad

#### 4.2 Health Infrastructures:

P.H.C./P.H.C. New	Name of the G.P.(Location)	Staff Available				
		Doctor	Pharmacist	Staff Nurse	L.T	ANM
Padmapur PHC	Padmapur	2	1			1
Jadichatar PHC(N)	Sankiri	1	1			1
BaradapalPHC (N)	Baradapal	1	1			1
MaidankelPHC(N)	Maidankel	1	1			1
JagannathpurPHC(N)	Jagannathpur	1	1			1
Raisuan P.H.C.(.N)	Raisuan	1	1			1
Telkoi C H C	Telkoi	3	1	7	1	1
Krushnapur PHC( N)	Kardangi	Vacant	1			1
Jagamohanpur PHC(N)	Jagamohanpur	1	1			1
Raisuan P.H.C.(.N)	Raisuan	Vacant	1			1
Sirigida PHC (N)	Sirigida	1	1	2		1
Kaliahata PHC(N)	Kaliahata	Vacant	1			1
Banspal CHC	Banspal	3	1	3	1	1
Kalanda PHC(N)	Singhpur	Vacant	1			1
Gonasika PHC (N)	Gonasika	1	1			1
Fuljhar PHC(N)	Fuljhar	1	1			1
Kanjipani PHC(N)	Kanjipani	Vacant	1			1
Suakati PHC(N)	Suakati	Vacant	1			1
Udayapur PHC	Udayapur	1	1	1	Vacant	1
Gojakunda PHC(N)	Damahuda	1	1			1
Saharpada PHC(N)	Saharpada	1	1			1
Raidiha PHC (N)	Raidiha	1	1			1
Baikala PHC (N)	Baikala	1	1			1
Ghatgaon UGPHC	Ghatgaon	4	1	10	3	1
Jharbeda PHC (N)	Badapichhula	1	1			1
Dhenkikote PHC (N)	Dhenkikote	1	1			1
Pandapada PHC (N)	Pandapada	1	1			1
Patna CHC	Patna	4	1	2	1	1
Dumuria PHC(N)	Dumuria	1	1	2		1
Khireitangiri PHC (N)	Khireitangiri	1	1			1

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Turumunga PHC (N)	Turumunga	1	1			1	
Kendeiposi PHC (N)	Kendieposi	1	1			1	
Harichandanpur CHC	Harichandanpur	5	1	3	1	Vacant	
Bhagamunda PHC (N)	Bhagamunda	1	1	2	1	1	
Kalapata PHC (N)	Jamujodi	1	1			1	
Janghaira PHC (N)	Janghira	1	1			1	
PithagolaPHC (N)	Pithagola	1	1			1	
Revanapalaspal PHC(N)	Revanapalaspal	NGO PP Mode					1
Boxibarigaon PHC(N)	Boxibarigaon	Vacant	1			1	
Bhanda CHC	Bhanda	4	1	3		1	
Chimila PHC (N)	Kodagadia	Vacant	1			1	
Kalikaprasad PHC(N)	Kalikaprasad	1	1				
Jyotipur PHC (N)	Jyotipur	1	1				
Karanjia PHC (N)	Karanjia	1	1				
Remuli PHC (N)	Remuli	1	1				
Bhunipur PHC (N)	Bhuinpur	1	1				
Jhumpura CHC	Jhumpura	2	1	2	2		
Asanpat PHC (N)	Asanpat	1	1				
Ukhunda Hospital	Ukhunda	1	1				
Jamadapal PHC (N)	Gumuda	1	1				
Malada PHC(N)	Malda	1	1				
Basudevpur PHC	Kandaraposi	2	1	2	1		
Kalimaati PHC (N)	Kalimati	1	1				
Guali PHC (N)	Guali	1	1				
Joda CHC	Joda	2	1				
Fakirpur PHC	Fakirpur	1	1				
Tartara PHC (N)	Tartara	1	1				
Dhakotha PHC (N)	Dhakotha	1	1				
Salabani PHC (N)	Salabani	1	1				
Panasadiha PHC (N)	Panasadiha	1	1				
Panchupally PHC (N)	Panchupally	1	1				
Sainkul CHC	Khalana	2	1	4	3		
Kesadurapal PHC	Kesadurapal	1	1	2			
Deogaon PHC (N)	Deogaon	1	1				
Khalapal PHC (N)	Khalapal	1	1				
Purunabandhagoda PHC(N)	Purunabandhagoda	1	1				
Batto PHC (N)	Batto	Vacant	1				
Bhandaridiha PHC (N)	Bhandaridiha	Vacant	1				
Odapada PHC (N)	Saladei	1	1				
Salania CHC	Salania	3	1	6	1		
Hatadihi Hospital	Hatadihi	1	1				
Hadagarh Hospital	Hadgarh	1	1				
Orali PHC (N)	Orali	1	1				
Tukuna PHC (N)	Badarampas	1	1				
Sundarpal PHC(N)	Jambhira	1	1				
Soso PHC (N)	Soso	1	1				
Mugupur PHC (N)	Panchugochhia	Vacant	1				

**4.3 Sub-Post Offices:**

<b>Name of the Block</b>	<b>Location</b>	<b>No. of Staff Available</b>
Anandapur	Anandapur	6
	Anandapur College	1
	Fakirpur	1
Banspal	Bnaspal	1
	Suakati	1
Champua	Champua	3
	Karanja	1
	Remuli	1
Ghasipura	Bramhanipal	1
	Dhakotha	Branch Post Office
	Ghasipura	2
	Kesadurapal	Branch Post Office
	Kusaleswar	2
	Ramachandrapur	Branch Post Office
	Salapda	1
	Sainkul	2
Ghatgaon	Dhenkikote	1
	Ghatgaon	2
	Pandapada	Branch Post Office
Harichandanpur	Bhagamunda	1
	Harichandanpur	1
	Janghira	1
	Talapada	1
Hatadihi	Dhanurjaypur	1
	Hatadihi	1
	Hadgarh	1
Jhumpura	Jhumpura	1
	Ukhunda	2
Joda	Barbil	5
	Barbil Bazar	Abolished
	Bolani	2
	Baneikala	1
	Jajanga	Branch Post Office
	Joda	4
	Joda Bazar	1
	Kiribur Hill Top	1
	Matkambeda	1
	Sundra Siba Mandir	1
Patna	Rajnagar	1
	Swam Patna	1
	Turumunga	1
	Udayapur	1
Sadar	Keonjhar Atopur	1
	Keonjhar Bazar	1
	Keonjhar Court	1
	Keonjhar Mining School	1
	Keonjhar New Market	1

	Keonjhar Science College	1
	Khireitangiri	Branch Post Office
	Mandua	Branch Post Office
	Madhapur	1
	Naranpur	1
	Raisuan	1
Saharpada	Machhagarh	1
	Saharpada	1
Telkoi	Telkoi	1
	Sirigida	1
	Jagamohanpur	1

#### 4.4 Fire Station Information:

Sl. No	Name of the fire station	Telephone Number	Mobile No.	Disposition of Vehicle & Pumps	Disposition of Man Power
01.	Keonjhar	06766-255501 255003 101	9437350983	1.OR-05-AR1476 AWT 2. OR-05D-8084 MFE 3. OR—05C-1706 4. OR-05AQ-6120 5. OD-05D-8215 6.WADIA PUMP-28/98 7.WADIA PUMP-21/96 8. PORTABLE W/P-10P0015	1.Asst.Fire Officer-1 2. Asst. Station Officer-2 3.Leadng Fireman-2 4.Driver Havildar-2 5.Fire man Driver-1 6.Fire man – 16
02.	Champua	06767-240231 101	9437303338	1.OR-05H-6416 MFE 2.OR-05AP-3359 3.WADIA PUMP-5/98	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10
03.	Joda	06767-218314 101	9090217170	1.OR-05AP-3329 MFE 2.OD-05-0581 3.WADIA PUMP-70/99	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10
04.	Jhumpura	06766-213101 101	9438385640	1.OR-05AF-4025 MFE 2.OR-05-AF-8627 3.FIRE FLY PUMP-2298	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10
05.	Ghatagaon	06733-223395 101	9438666225	1.OR-05M-8806 MFE 2.OR-05AG-8166 3.WADIA PUMP-94/12 4.PORTABLE	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10

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				WADIA PUMP-3068	
06.	Hatadihi	0631-271044	9438471529	1.OIC-3968 MFE 2.OR-05H-6412 3.WADIA PUMP-97/97 4.Hindustan trailer pump-59 5.Portable firefly pump-3065	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10
07.	Ghasipura	06731-220253101	9439708298	1.OR-05-AV-0387 MFE 2.OR-05-AG-1209 3. Hindustan trailer pump-71/97 4.M&M pump no-14P0079/14 5.Portable fire pump-3081/13	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10
08.	Anandapur	06731-240256101	7873721355	1.OR-05-AF-4022 MFE 2.OR-05-AE-8516 3.Hindustan trailer pump-27/12 4.Portable fire pump-3081/13	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10
09.	Telkoi	06735-248200101	8260948482	1.OR-05AJ-8153 MFE 2.OR-05AJ-8174 3.WADIA PUMP-10P0050	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10
10.	Barbil	06767-218463101	9437950392	1.OR-05AJ-8142 MFE 2.OR-05AJ-8194 3. PUMP WADIA - 10P 0005	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10
11.	Patna	-	9437064486	1.OR-05C-4440 MFE 2.OR-05AQ-6091 3.FIRE FLY PUMP-2298	1.Station Officer-1 2. L. Fire man-2 3. Driver Havildar – 1 4. Fireman Driver-1 5. Fire man-10

**4.5 Police Stations & the details:****TELEPHONE NUMBERS OF THE POLICE OFFICERS OF KEONJHAR DISTRICT**

DESIGNATION	NAME	STD	OFFICE	MOBILE NO.
S.P., Keonjhar	Ms Kavita Jalan, IPS	06766	254106	9437477500
Addl. S.P. Keonjhar	Sri Dipti Ranjan Ray, OPS-I	06766	255369	9437041583
Addl. S.P, Barbil	Sri Dillip Kumar Sahani, OPS-I			9437873506
Dy.Commdt.,O.S.A.P.2 nd S.S. Bn., Keonjhar	Sri Lakhmidhar Maharana, OPS-I	06766	255659	9437349777
Dy. S.P. Accounts	Sri Debabratta Pradhan, OPS	06766	255270	9437093725
Dy. S.P, DHRPC	Sri Sriharsha Mishra,OPS			9437044524
Dy. S.P., DIB	Sri Haresh. Ch. Pandey, OPS	06766	254286	9437177343
Dy. S.P, Hdqrs	Sri Saroj Ku. Mohapatra, OPS			9437105454
S.D.P.O., Anandapur	Sri Amulya Kumar Routray, OPS	06731	220297	9437331991
S.D.P.O., Ghatagaon	Sri Sylverious Toppo, OPS	06733	221430	9437084694
S.D.P.O., Sadar	Sri Pradeepta Kumar Jena, OPS	06766	255274	9437159733
S.D.P.O., Champua	Sri Sushil Kumar Panigrahi, OPS			9437177556
S.D.P.O, Barbil	-	-	-	-
Asst. Commdt. HGs, Keonjhar	Sri S.urendra Nath Nayak, OPS	06766	255306	9438408922
Asst. Commdt. 2nd SS Bn	Sri Makara Dhvaj Naik, OPS			9439829288
RI, Keonjhar	Sri Arun Kumar Nayak	06766	255422	9437202115
RSI Keonjhar	SI Girish Chandra Mahanta			9178409956
SI Arms, Force Sec, KNJ	Dy. Subedar Bimal Rout			9438450586
Sgt. RO, Keonjhar	Sgt Saroj Kumar Behera			9439022157
Inspr. DCRB	Inspr. Haramani Baskey			9438372326
IIC Energy P.S	Inspr Loknath Mukhi			7789801366
IIC, Ghasipura P.S.	Inspr. Satyajit Das	06731	220286	9437240998
IIC, Anandapur P.S.	SI Sandhya Rani Jena			9438676150 9178833985

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IIC, Soso P.S.	Inspr Mukti Ranjan Kullu	06731	262736	9437180002 9937863474
IIC, Nandipada P.S.	Inspr Lakhmi Dhar Behera	06731	271022	9437765052
IIC, R.Ch.Pur P.S	Inspr. Ajay Kumar Tirkey	06731	273006	9437239205
IIC, Daitari P.S.	Inspr. Debendra Nath Pingua	06726	248830	9437821804
IIC, Ghatagaon P.S.	Inspr. Sudarshan Panda	06733	221023	9438471571
IIC, Harichandanpur PS	Inspr. Jagannath Mallick	06733	221023	9938038670 9439130464
IIC, Patna P.S.	SI Ranju Hashini Kullu	06766	237023	8895752959
IIC, Turumunga P.S.	Inspr Dibyakanti Lakra	06766	238040	9853994673 8763558522
IIC, Town P.S.	Inspr. Subhranshu Sekhar Mishra	06766	255423	9437369955
IIC, Sadar P.S.	Inspr Ranjan Kumar Sahoo	06766	231268	9437230188
IIC, Nayakote P.S.	Inspr Bijay Kumar Bihari			9437635448
IIC, Barbil P.S.	SI Sushila Barla	06767	275226	9776858799
IIC Joda P.S	SI Madan Mohan Naik	06767	272226	9437360692
IIC, Bamebari P.S.	Inspr. Banita Majhi			9437223861
IIC, Bolani P.S.	Inspr. Madhabananda Nayak	06767	260226	9437871862 9777647879
IIC, Rugudi P.S.	Inspr Pabitra Kisan			9439021666
IIC, Champua P.S.	SI Nayana Behera	06767	240203	9438490026
IIC, Jhumpura P.S.	Inspr.Gurubari Hembram	06766	235248	9437444558
OIC Pandapada P.S	SI Rashmi Ranjan Sahoo	06766	260590	9438371357
OIC, Telkoi P.S.	SI Basanta Kumar Sethy	06735	248221	9438081103 7809114388
OIC, Kanjipani P.S.	S.I. Yudhistir Sahu			9438243925
OIC, Baria P.S.	SI Padmanava Naik	06731	273006	8763385194 9937492034
CSI Sadar Court	SI Jugal Sabar			9437945805
CSI Anandapur Court	SI Budhuni Minz			9437221600
CSI Barbil Court	SI Bhutanath Behera			9238802826
CASI Champua Court	ASI Nilambara Mahanta			9777778639



SANCTION STRENGTH, PRESENT STRENGTH & VACANCY POSITION OF KEONJHAR DISTRICT AS ON-14.01.2015																		
S. L. No.	Name of the Post	Inspr		Sub-Inspector				Asst. Sub-Inspector				Havildar		Constable				Remarks
		SS	P S	S S	P S	Vacancy	Exc ess	S S	P S	Vacancy	Exc ess	S S	P S	SS	P S	Vacancy	Exc ess	
1	<b>SDPO SADAR</b>	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	-	
2	Town P.S	1	1	2	5	-	3	6	5	1	-	1	2	11	9	2	-	
3	Town T.O.P	-	-	-	-	-	-					2	2	19	18	1	-	
4	Town Traffic O.P	-	-	-	1	-	1					2	3	15	16	-	1	
5	Sadar P.S	1	1	7	2	5	-	7	4	3	-	2	2	11	10	1	-	
6	Suakati O.P	-	-	-	-	-	-	1	1	-	-	-	-	6	6	-	-	
7	Palashpan ga B.H.	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	
8	Kanjipani P.S	-	-	2	1	1	-	4	3	1	-	1	1	5	7	-	2	
9	Pandapada P.S	-	-	2	1	1	-	4	2	2	-	1	1	5	6	-	1	
10	Naykote P.S	1	1	4	1	3	-	1	1	-	-	1	1	11	9	2	-	
11	Banspal O.P	-	-	-	-	-	-	1	-	1	-	-	-	4	4	-	-	
12	Telkoi P.S	-	-	2	1	1	-	4	3	1	-	1	1	5	5	-	-	
13	Kaliahota O.P	-	-	-	1	-	1	1	-	1	-	-	-	6	4	2	-	
14	<b>SDPO A.PUR</b>	-	-	-	-	-	-	1	1	-	-	-	-	2	2	-	-	
15	Anandapur P.S	1	1	3	3	-	-	6	5	1	-	1	1	6	11	-	5	
16	Monohar pur O.P	-	-	2	-	2	-					-	-	5	-	5	-	
17	Anandapur T.O.P	-	-	-	-	-	-					1	1	4	3	1	-	
18	Ghasipura P.S	1	1	2	6	-	4	6	4	2	-	1	1	7	9	-	2	
19	Nandipada P.S	1	1	1	3	-	2	6	2	4	-	1	1	6	9	-	3	
20	Ramachandrapur P.S	1	1	1	2	-	1	5	4	1	-	1	1	5	7	-	2	
21	Sainkul O.P	-	-	-	-	-	-	1	1	-	-	-	-	6	7	-	1	
22	Soso P.S	1	1	1	1	-	-	5	4	1	-	1	1	5	8	-	3	
23	Boula O.P	-	-	-	-	-	-	1	1	-	-	-	-	4	3	1	-	
24	<b>SDPO GHATGAON</b>	-	-	-	-	-	-	1	1	-	-	-	-	1	2	-	1	
25	Ghatgaon P.S	1	1	1	3	-	2	6	4	2	-	1	1	7	10	-	3	
26	Maa Tarini Temple BH	-	-	-	-	-	-					-	-	-	1	-	1	
27	Dhenkikote B.H	-	-	-	-	-	-	-	-	-	1	-	-	3	4	-	1	

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28	Harichan danpur P.S	1	1	4	1	3	-	2	4	-	2	1	1	15	14	1	-	
29	Daitari P.S	1	1	4	1	3	-	2	1	1	-	1	1	12	9	3	-	
30	Bramhani pal B.H	-	-	-	-	-	-	-	1	-	1	-	-	5	6	-	1	
31	Baliparbatata OP	-	-	-	-	-	-	-	-	-	-	-	-	4	-	4	-	Not Functioning
32	Patna P.S	1	1	1	1	-	-	5	3	2	-	1	1	5	7	-	2	
33	Saharapada O.P	-	-	-	-	-	-	1	1	-	-	-	-	6	5	1	-	
34	<b>SDPO CHAMPUA</b>	-	-	-	-	-	-	1	1	-	-	-	-	1	2	-	1	
35	Champua P.S	1	1	5	3	2	-	3	4	-	1	1	1	15	15	-	-	
36	Rimuli O.P	-	-	-	-	-	-	1	1	-	-	-	-	4	4	-	-	
37	Jhumpura P.S	1	1	5	1	4	-	2	2	-	-	1	1	12	12	-	-	
38	Baria P.S	-	-	2	1	1	-	4	3	1	-	1	1	5	10	-	5	
39	Turumanga P.S	1	1	1	2	-	1	6	4	2	-	1	1	6	7	-	1	
40	<b>SDPO BARBIL</b>	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-	-	
41	Barbil P.S	1	1	5	3	2	-	2	4	-	2	1	1	15	14	1	-	
42	Hisaburu O.P	-	-	-	-	-	-	1	-	1	-	-	-	4	1	3	-	
43	Barbil T.O.P -I	-	-	-	-	-	-	-	-	-	-	2	1	19	17	2	-	
44	Barbil T.O.P -II	-	-	-	-	-	-	-	-	-	-	1	1	12	7	5	-	
45	Bhadrasahi BH	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	-	Not functioning
46	Rugudi P.S	1	1	3	-	3	-	2	2	-	-	1	1	10	7	3	-	
47	Bolani P.S	1	1	3	1	2	-	2	1	1	-	1	1	10	8	2	-	
48	Kiriburu O.P	-	-	-	-	-	-	1	-	1	-	-	-	4	1	3	-	
49	Joda P.S	1	1	5	2	3	-	3	3	-	-	1	1	15	15	-	-	
50	Bileipada BH	-	-	-	1	-	1	-	-	-	-	-	-	4	4	-	-	
51	Joda T.O.P	-	-	-	-	-	-	-	-	-	-	1	1	15	11	4	-	
52	Bamebari P.S	1	1	5	3	2	-	2	2	-	-	1	1	12	11	1	-	
53	Energy P.S	1	1	2	-	2	-	2	1	1	-	1	-	12	6	6	-	
54	Sadar Court	-	-	4	1	3	-	2	2	-	-	-	-	13	11	2	-	
55	Anandapur Court	-	-	2	1	1	-	1	-	1	-	-	-	4	7	-	3	
56	Ghasipura G. N.	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	
57	Barbil Court	-	-	2	1	1	-	1	-	-	-	-	-	7	8	-	1	
58	Champua Court	-	-	1	-	1	-	1	1	-	-	-	-	4	4	-	-	
59	DIB Keonjhar	-	-	2	-	2	-	2	2	-	-	-	-	2	-	2	-	

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60	DIB Anandapur	-	-	1	-	1	-	1	-	1	-	-	-	3	2	1	-	Not functioning
61	Reserve Office	-	-	2	1	1	-	1	1	-	-	-	-	-	2	-	2	
62	R.O G.R Scheme	-	-	1	-	1	-	3	-	3	-	-	-	-	-	-	-	
63	Women Police Hdqrs.	-	-	1	-	1	-	-	-	-	-	-	-	3	-	3	-	
64	R.O. LTR	-	-	9	-	9	-	-	-	-	-	-	-	29	25	4	-	Excluding 2 Const. deputati on to other Estt.
65	R.O Orderly Hdqrs.	-	-	-	-	-	-	-	-	-	-	-	-	5	-	5	-	
66	DCRB Keonjhar	1	1	-	-	-	-	1	1	-	-	-	-	4	4	-	-	
67	DHRPC/PCR Keonjhar	1	1	1	-	1	-	-	1	-	1	-	-	4	4	-	-	
68	AHTU	1	-	2	-	2	-	-	-	-	-	-	-	1	-	1	-	
69	R.O FPG	-	-	1	-	1	-	1	-	1	-	-	-	-	-	-	-	
70	S.R. Section	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	
71	Acct. Section DPO	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	
72	Hdqrs.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
73	U/S	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	
	<b>TOTAL</b>	24	23	104	56	65	17	125	95	37	9	35	35	467	439	73	45	

**4.6 Identification of Cyclone/Flood shelters:**

Sl. No	Type of shelter	Capacity (Room & Plinth Area)	Location	Contact Person	Facilities Available	Remarks (Single or Double)
1	R.C.C. building	3000 sq ft.	S.N. High School, Taratara	Head Master	Toilet with drinking water and electricity	Double storied
2	R.C.C. building	2500 sqft	G.P. High School, Gayalmunda	Head Master	Toilet with drinking water	Double storied
3	R.C.C. building	3000 sq ft.	Panchupally High School	Head Master	Toilet with drinking water and electricity	Double storied
4	R.C.C. building	2000 sq ft. 1000 nos	Hatadihi High School	Head Master	Toilet with drinking water	Double storied
5	R.C.C. building	2000 sq ft. 1000 nos	Badarampas Vidyamandir	Head Master	Toilet with drinking water	Double storied
6	R.C.C. building	1500 sq ft. 750 nos	T.M. Academy Danar	Head Master	Toilet with drinking water	Single storied
7	R.C.C. building	1000 sq ft.	Tarimul High School	Head Master	Toilet with drinking water and electricity	Double storied
8	R.C.C. building	1000 sq ft.	Jhadeswar High School	Head Master	Toilet with drinking water and electricity	Double storied

9	R.C.C. building	1000 sq ft.	Madhuban High School Kansa	Head Master	Toilet with drinking water and electricity	Double storied
10	R.C.C. building	1000 sq ft.	K.B. High School, Saldei	Head Master	Toilet with drinking water and electricity	Double storied
11	R.C.C. building	1000 sq ft.	L.N. High School, Ramchandrapur.	Head Master	Toilet with drinking water and electricity	Double storied

#### 4.7 Earth Moving and Road Cleaning Equipments:

During the occurrence of any severe natural calamity there may be immediate requirement of various tools and machineries for saving the life and properties. The inventory of such tools and mechineries available with Gayatry Projects Limited engaged in construction of NH-215 in the distrcet has been made and indicated as below. The implements as per requirement can be obtained from this organisation and can be utilized during the time of emergent relief and rescue operation. As the construction work of the road is now under progress, these implements/ equipments can be available for the coming three to four years. Besides such implements are also available with the construction companies/ contractors engaged at Anandapur Barrage Project, Anandapur and Kanupur Irrigation Project, Basudevpur.

SL. NO.	DESCRIPTION OF P&M	REACH-1 (0-40)		REACH-2 (40-79)		REACH-3 (80-113)		TOTAL (0-113)		
		OWN	HIRE	OWN	HIRE	OWN	HIRE	OWN	HIRE	TOTAL
<b>MACHINERY</b>										
1	JCB		3				1	-	4	4
2	EXCAVATOR	2	5	2	9	1	3	5	17	22
3	LOADER	3	4	6	3			9	7	16
4	SOIL COMPACTORS	5		6	1	2		13	1	14
5	GRADERS	2	1	3	1			5	2	7
6	PTR							-	-	-
7	DOZER		1	1				1	1	2
8	SENSOR- PAVER	1		3				4	-	4
9	CRANE HYDRO	2	2		2			2	4	6
10	DUMPER	11	10	19	33	4	7	34	50	84
11	BT SPRAYER	1		2				3	-	3
12	BOOM PLACER	1						1	-	1
13	BOLERO							11	-	11
14	CAMPER							-	-	-
15	DIESEL TANKER	2		1				3	-	3
16	CAMPER GENIO	7		5	1	1	3	13	4	17
17	INNOVA OR04H 2222 (LMV/193)							-	-	-
18	SCORPIO							10	-	10
19	SUMO AP05AA 1266 (LMV/172)							-	-	-
20	TATA MAGIC	1						1	-	1
21	CONCRETE PUMP	2		2		2		6	-	6
22	DEWATERING PUMP						2	-	2	2
23	DG sets	13	0	13	4	1	2	27	6	33
24	KERB CUTTER	1						1	-	1
25	KERB MAKER	3						3	-	3
26	TROLLEY AIR COMPRESSOR							-	-	-
27	WATER TANKER	2	5	4	4		1	6	10	16
28	TRANSIT MIXER	4		9				13	-	13
29	TRAILER	1	1	1	1	1		3	2	5
30	TRACTOR		6		4			-	10	10

REACH	CAMP LOCATION	CONTACT PERSON	CONTACT NUMBER
1	Ragadi Village (Km-19)	Mr. Y.Venkata Ramaiah	9937009172
2	Bandho Village (Km-55)	Mr. G.N.Subrahmenswa Rao	9178451126
3	Dhenkikote Village (Km-94)	Mr. B.satyanarayana	7894434859

#### 4.8 Local Traders:

Sl. No.	Type of Traders	Contact person and address	Telephone Office/Res
1	Groceries	M/s. RAJ STORE, Raj Kumar Chandgothia, At/Po-Keonjhar	9437055851
2	House building materials	Sri Bichitranda Sahoo,at/po-Anandpur	240001
3	Medicine shop	Raghunath Medical Store,c/o Sri Manindra panda	
4	Tents and Tarpaulins	Padhan Tent House	
5	Hardware shops	Jaya Guru Hardware shop, Anandapur	
6	Rice mill		
7	Fuel wood	OSFDC, Fakirpur.	
8	Electrical Equipments	Dalai Electricals, Salapada.	
9	Restaurants		
10	Farm inputs	JAO, Anandapur	

#### 4.9 Alternative Energy Sources (Bio Gas and Solar Elergy Cells):

Type of sources	Contact person and address	Phone No	Remarks
Bio Gas	Asst. Director (Tech)	256860	Dist. Planning Office
Generator	RE Cell, DRDA.		

#### 4.10 List of NGOs/Clubs:

Name of NGOs and CBOs	Area of Operation	Contact Address
Antodaya Chetana Kentra	Hatadihi Block	Bishnu Padaraj Mohanty At-Sankatapallia Po-Hadagarh Dist-Keonjhar, Pin-758023
Dhakotha Yubak Sangha	Anandapur Block	Ramesh Ch. Sahoo At/Po-Dhakotha Dist-KeonjharPin-75804
A.S.H.A	Ghsipura Block	Babun Mohanty At-Sailong Chhack Po-Ghasipura Dist-Keonjhar, Pin-758015
B.I.R.D	Ghatgaon Block	Ajay Kumar Bej At-MukundapurPatna Po-Ghatgaon, Dist-Keonjhar
C.Y.S.D	Saharpada Block	Jayanta Kumar Mohanty At/Po-Karanjia, Dist-Mayurbhanj
VARASA	Harichandanpur Block	Pitambar Mishra At-Bhagumunda Po-Harichandanpur Dist-Keonjhar, Pin-758028
VARRAT	Patna Block	U. N. Behera At/Po- Erendei Via- Swampatna Dist-Keonjhar
IDA	Keonjhar Block	Sebati Singh At-Banajodi Po-Padmapur Dist-Keonjhar, Pin-758013

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LWS	Banspal Block	At-Saharpur Po-Banspal, Dist-Keonjhar
VORI	Telkoi Block	Narottam Mahakud At/Po- Telkoi, Dist-Keonjhar
Vinnadarshi	Joda Block	Trilochan Palei At/Po-Beleipada Via-Baneikala Dist-Keonjhar, Pin-758038
PRAKALPA	Champua Block	Biplab Mishra At/Po-Jyotipur Dist-Keonjhar Pin-758046
HEDA	Jhumpura Block	Chittaranjan Giri At/Po-Jhumpura Dist-Keonjhar Pin-758031
WOSCA	Sadar Block	At/Po- Mandua, Dist- Keonjhar
MANOJ MANJARI SISHU BHAWAN	Sadar Block	At/Po- Mining road, Dist- keonjhar
TADASHA	Sadar Block	AT- BEHIND TELEPHONE EXCHANGE, DIST- KEONJHAR
URDO	Block- Ghasipura	MACHHALO, PS- RAMACHANDRAPUR Dist- Keonjhar
BISHNUPRIYA BALASHRAM	Block- Hatadihi	At-MATHA, PO- CHHENAPADI, DIST- KEONJHAR
PRADAN	Sadar Block	KEONJHAR
BGCS		At- Rekutia
FECA	Champua Block	At-Kalikaprasad
BAITARANI	Sadar Block	AT- BHATASAHU, PO- KEONJHAR BAZAR, DIST- KEONJHAR
DREAMS	Sadar Block	At-Saras,Po- Ranki,Dist- Keonjhar
ADIVASI VIKASH SAMITI		AT-SERENDA, PO- BHADRASAHU, DIST- KEONJHAR
ASHRAYA JAJANGA		
WOSW	Sadar Block	MINING ROAD,AT- GOBINDPUR, PO- GHUTUR, DIST- KEONJHAR
SADBHABANA,	Sadar Block	MINING ROAD, KEONJHAR
BHARAT JYOTI	Patna Block	PATANA
SARP	Ghatgaon Block	DHENKIKOTE
SELF REALISATION MISSION		TRILOCHANPUR
THE WELFARE	Ghasipura Block	PANDUA, PS- RAMACHANDRAPUR, BLOCK- GHASIPURA
OASIS	Joda Block	WARD NO. 14, BARBIL
AKJUT	Banspal Block	BANSPAL



## CHAPTER-V

**RISK/HAZARD ANALYSIS****5.1 History of Disaster in the District:**

Keonjhar district is mostly affected by Flood, Drought, Cyclone, Heat waves and Flash floods. The traditional Housing structures especially in rural areas are more susceptible to fire accident. So the disaster management planning of this district may be referred to the inevitable plan, strong administration unit of linkup between the top & bottom of administrative unit and to the grass root level transmission link. It is no doubt that the formulation of disaster plan is for preparedness and commitment for its positive implementation at the hour of crisis. Disaster management and disaster operations in the district are consistent with the Disaster Management Strategic Policy Framework. This is achieved by:

- Ensuring a comprehensive, all hazards, all agencies approach by achieving the right balance of prevention, preparedness, response and recovery;
- Supporting the mainstreaming of disaster preparedness and mitigation into relevant areas of activity of government, non-government, small business and corporations;
- Aligning disaster risk reduction, disaster mitigation, disaster resilience and climate change adaptation policy and actions with international and national reforms;
- Promoting a transparent, systematic and consistent approach to disaster risk assessment and management, based on the National Disaster Management Policy/ Act.
- Recognizing the commitment of stakeholders and the need for collaboration across all levels of government, community, industry, commerce, government owned corporations, private and volunteer organizations, and local communities in all aspects of disaster management;
- Emphasizing building and maintaining sincere relationships, trust, teamwork, consultative decision-making and shared responsibilities among stakeholders; and
- Promoting community resilience and economic sustainability through disaster risk reduction.

In the past, various disasters have occurred in the district of Keonjhar. The disasters like, floods, droughts, heavy rain, unseasonal rain fall, cyclone etc are the predominant calamities that have visited this district in the past. Out of these, the Super cyclone occurred during the year, 1999 was the most devastating. The loss of lives, livelihood as well as the loss of livestock occurred and the economic condition of the people of the district mostly of the Anandapur Sub-Division was ruined due to this. Besides, sometimes localized whirl wind like Tornado occurs in some parts of the district. One such devastating Tornado was occurred at Village Gadabandhagoda during the year, 1978. Some of the recently occurred calamities in the district are as follows.

Year of Occurrence	Type of Hazard	Area affected	Impact on life	Livelihood Property	Livestock	Remarks
2014	Flood/	Anandpur Sub-Division	Loss of lives	Loss of Livelihood	Loss of Livestock	
	Hudhud	Anandpur Sub-Division				
	Havey Rain	Entire district				
2013	Cyclone (PHAILIN)	Entire Dist.	Loss of lives	Loss of Livelihood	Loss of Livestock	
2011	Flood	Anandpur Sub-Division	Loss of lives	Loss of Livelihood	Loss of Livestock	
	Drought	Entire district				
	Heavy Rain	Entire district				
2010	Unseasonal rain	Anandpur Sub-Division	--	Loss of Livelihood	--	

2009	Flood/	Anandpur Sub-Division	--	Loss of Livelihood	Loss of Livestock	
	Havey Rain	Entire district				
2008	Flood/	Anandpur Sub-Division	--	Loss of Livelihood	Loss of Livestock	
	Havey Rain	Entire district				
2007	Flood	Anandpur Sub-Division	--	Loss of Livelihood	Loss of Livestock	
2006	--	--	--	--	--	
2003	Flood	Anandpur Sub-division		Loss of Livelihood	Loss of Livestock	
1999	Cyclone	Anandpur Sub-division	Loss of lives	Loss of Livelihood	Loss of Livestock	
2001	Drought	Entire Dist.		Loss of Livelihood	Loss of Livestock	
1998	Sunstroke	Entire Dist.	Loss of lives		Loss of Livestock	
1978	Tornado	Gdabandhagada of Ghasipura Block	Loss of lives	Loss of Livelihood	Loss of Livestock	

**5.2 Seasonal Hazard Analysis:**

Type of Hazards	JAN-MAR				APR-JUNE				JULY-SEPT				OCT-DEC			
	H	C	A	I	H	C	A	I	H	C	A	I	H	C	A	I
FLOOD									←	→						
CYCLONE									←	→						
DROUGHT									←	→						
HEAT-STROKE					←	→										
EARTHQUAKE	←	→														→
FIRE		←	→													
EPIDEMIC									←	→						
ACCIDENT	←	→														→
LIGHTNING				←	→											→
TORNADO	←	→														→

\*CHAI=Health Care Associated Infection





**CHAPTER-VI****RISK ASSESSMENT.****6.1 Occurrence and Impact of Disasters:**

Sl.No	Type of Disasters	Time of Occurrence	Potential Impact/Probable Damages	Vulnerable Areas and Probability
1	Flood	June - September	Crop, Human, Animal, Infrastructure loss	Anandpur Subdivision - 3 Blocks & 1 Municipality
2	Cyclone	June - December	Crop, Human, Animal, Infrastructure loss	Anandpur Subdivision - 3 Blocks & 1 Municipality
3	Drought	April - June	Crop loss	Entire District
4	Sunstroke/Fire	April - June	Human, Animal, Infrastructure loss	Entire District
5	Earthquake	Jan - December	Crop, Human, Animal, Infrastructure loss	Entire District
6	Epidemics	June - September	Human & Animal loss	Entire District.
7	Lightening	April -December	Human, Animal, Infrastructure loss	Entire District.
8	Boat capsized	June - September	Human	Anandpur Subdivision - 3 Blocks & 1 Municipality
9	Tornado	April-May	Human, Animal, Infrastructure loss	Entire District.

**6.2 Vulnerability Analysis:****Ranking and Probability of Disaster Episodes in the District:**

Sl.No	Block	Flood	Flash Flood	Cyclone	Tornado	Heavy Rain	Drought	Sunstroke	Total Population
01	Keonjhar		✓	✓	✓	✓	✓	✓	116724
02	Harichandanpur	✓	✓	✓	✓	✓	✓	✓	103382
03	Patna			✓	✓	✓	✓	✓	81221
04	Ghatgaon			✓	✓	✓	✓	✓	87826
05	Saharpada			✓	✓	✓	✓	✓	70902
06	Telkoi		✓	✓	✓	✓	✓	✓	74210
07	Banspal		✓	✓	✓	✓	✓	✓	70647
08	Anandapur	✓	✓	✓	✓	✓	✓	✓	83731
09	Hatadihi	✓	✓	✓	✓	✓	✓	✓	121757
10	Ghasipura		✓	✓	✓	✓	✓	✓	123727
11	Champua	✓	✓	✓	✓	✓	✓	✓	85851
12	Jhumpura		✓	✓	✓	✓	✓	✓	83445
13	Joda		✓	✓	✓	✓	✓	✓	86040

**CHAPTER-VII****MITIGATION PLAN****7.1 Short Term Measures:**

Sub Sector	Mitigation Measures	Responsible Dept.	Time Frame
IEC Activities	Walling, posters, rallies, street plays, volunteers training, task force training	NGO selected by the BDOs and DI & PRO	During the last week of May & 1 <sup>st</sup> week of July every year
Road	Repair of vulnerable points identified by the departments	PWD, RD	By 15 <sup>th</sup> of June
Embankments	<ul style="list-style-type: none"> <li>Receiving the Height of the embankment points identified</li> <li>Repair of Vulnerable points identified</li> </ul>	Irrigation Department	By 15 <sup>th</sup> of June
Safe Shelters & Multi purpose Cyclone shelters	Ensure maintenance of shelters	RD Department, all Sub-Collectors, DPC and DEO, Keonjhar.	Before 15 <sup>th</sup> of June

When the disasters are inevitable, the only way is to mitigate its impact. This falls under the Short Term Measures

**7.2 Sector Wise Vulnerability Reduction Measures:**

Type of Sector	Sub Sector	Mitigation Measures	Responsible Deptt.	Time Frame
<u>Communication &amp; Infrastructure</u>	Communication	Ensure maintenance and good running condition of communication systems	Telecom and District Administration	By 31 <sup>st</sup> of May
	Drinking water and sanitation	<ul style="list-style-type: none"> <li>Repair of the Damaged standpoints</li> <li>Check the Leakage of overhead tanks and pipes</li> </ul>	RWS&S	All the time
	Technology Dissemination	Installation of VHF in all the block headquarters	OSDMA and District Administration	Before 30 <sup>th</sup> of April
	Road	Repair of vulnerable points identified by the departments	PWD, RD	By 15 <sup>th</sup> of June
	Embankments	<ul style="list-style-type: none"> <li>Receiving the Height of the embankment points identified</li> <li>Repair of Vulnerable points identified</li> </ul>	Irrigation Department	By 15 <sup>th</sup> of June

	Safe Shelters & Multi purpose Cyclone shelters	Ensure maintenance of shelters	RD department, DI and CI of Schools	Before 15 <sup>th</sup> of June
Health/Animal Husbandry	IEC Activities	Walling, posters, rallies, street plays, volunteers training, task force training	NGO selected by the district and CDVO	By May 31 <sup>st</sup> and after the receipt of warning
	Vaccination	Stock piling of vaccines	CDVO & CDMO	By 30 <sup>th</sup> of April
	Training	Health care, sanitation, first aid	CDVO & CDMO	After the 1 <sup>st</sup> Natural Calamity Meeting
Livelihood	Awareness	Walling, posters, rallies, street plays, volunteers training, task force training	NGO selected by the district and CDVO	By May 31 <sup>st</sup> and after the receipt of warning
	Agriculture	<ul style="list-style-type: none"> <li>▪ Flood resistant crops/ Alternative cropping</li> <li>▪ Drought resistant short duration paddy</li> <li>▪ Crop insurance</li> <li>▪ Coordination with Irrigation and DRDA</li> </ul>	Agriculture and horticulture department	Normal period Pre flood Period
	Horticulture	<ul style="list-style-type: none"> <li>▪ Nursery raising</li> <li>▪ Insurance</li> </ul>	Horticulture Department	<ul style="list-style-type: none"> <li>▪ Normal period</li> <li>▪ Pre flood</li> </ul>
<u>Insurance</u>	IEC Activities	Walling, posters, rallies, street plays, volunteers training, task force training	NGO selected by the district and CDVO	During normal period
	Livelihood	Ensure insurance of livestock, crops, work sheds/workshops etc.	Agriculture, Cooperative Society	During normal period
	Life	Awareness	NGOs	During normal period

### 7.3 Consitution of Flood and Cyclone Zones and Sub-Zones.

Health measures medicines to be stored at the P.H.C., Dispensaries and Sub-Divisional Medical Headquarters. The C.D.M.O., Keonjhar will submit a plan of action in every meeting to provide necessary health service in the flood affected areas. For smooth management and supervision of health measures in the flood / cyclone affected areas, the district is divided in to three zones as follows.

Name of the Zones	Name of the Officers to remain in-charge of Zones
Anandapur	S.D.M.O. Anandapur
Champua	S.D.M.O. Champua
Keonjhar	A.D.M.O. (PH) any M.Os as suggested by CDMO

The C.D.M.O., Keonjhar will ensure adequate stock of medicine and disinfectants at District and Sub-Divisional Hospitals and their ready supply to the affected areas at the time of need. He will ensure disinfectants of drinking water sources in the flood /cyclone prone areas in the District and to take of inoculation of people against water-borne diseases. The following arrangements may be made with

**District Disaster Management and Response Plan, Keonjhar-2016**

the medical and paramedical personnel for taking both preventive and curative health measure before and during the flood/cyclone this year. Any other suggestion for better health service will be given by the CDMO, Keonjhar. The CDMO, Keonjhar will form an action plan and suggested the name of Medical Officers to remain in-charge of concerned G.Ps and to be discussed in the meeting and finalized.

Sl. No	Name of the Block	Name of the CHC/ PHC	Possible affected area	Officer-in-charge	Paramedical Staff
01	Ghasipura	Sainkul	Bailo,Panchupally	M.O. In-Charge Panchupally	Area MPHS and MPHWS
02	-do-	-do-	Deogaon,Daradipal	M.O. In-Charge Kesadurapal	-do-
03	-do-	-do-	Taruan,Batto	M.O.In-Charge Batto	-do-
04	Anandapur	Fakirpur	Fakirpur	M.O. In-Charge, Fakirpur	-do-
05	-do-	-do-	Kodapada	-do-	-do-
06	-do-	-do-	Kantipal	M.O.In-ChargeAnandapur PHC(N)	-do-
07	Hatadihi	Salania	Ambo,Badarampas, Panchugochhia	M.O.In-Charge,Tkuna PHC(N)	-do-
08	-do-	-do-	Danar, Gedma, Habaleswar	M.O.In-Charge SalaniaCHC(N)	-do-
<b>CHAMPUA ZONE ( Zonal Officer S.D.M.O. Champua)</b>					
01	Jhumpura	Jhumpura	All river side villages	M.O.In-Charge Jumpura CHC	-do-
02	Champua	Bhanda	-do-	M.O.In-Charge Bhanda CHC	-do-
03	Joda	Basudevpu r	-do-	M.O.In-Charge Basudevpu PHC	-do-
<b>SADAR ZONE (A.D.M.O. (PH) any M.Os as suggested by CDMO)</b>					
01.	Telkoi	Telkoi	Dubulapal S.N.Purgoda Talapada,Deuladiha Telkoi,Kamalangi	M.O.In-Charge Telkoi CHC	Area MPHS & MPHWS
02.	Banspal	Banspal	All river side villages	M.O.In-Charge Banspal	-do-
03.	Sadar	Padmapur	-do-	M.O.In-Charge Padmapur PHC	-do-
04.	Patna	Patna	Kapundi Chinamaliposi Demuria	M.O. In-Charge Patna CHC	-do-
05.	Saharpada	Udayapur	All river side villages	M.O. In-Charge Udyapur CHC	-do-
06.	Harichand anpur	H.Ch.Pur	-do-	M.O. In-Charge Harichandanpur CHC	-do-
07	Ghatagaon	Ghatagaon	-do-	M.O. In-Charge U.G.PHC Ghatagaon	-do-

All the PHCs of the district will act as Sub-zone and the Medical Officers(I/c) as Sub-zonal officer. All the sector M.Os. of the PHC complex will work as Sector Medical Officers and fully responsible for implementation of preventive and curative health services in their jurisdiction. The Sub-Zonal Officer (M.O.I/c.) will look to the necessary supply of medicines etc. in time to the Sector Medical Officers as per their requirement and also to give guidance to the Sector Medical Officers. The A.D.M.O. (Med/TB) Keonjhar will supervise the supply of medicine to the blocks.

#### **7.4 Functioning of Mobile Team:**

Besides functioning of the zones and Sub-zones, 4 (four) mobile teams, one in each zone will function to render all sorts of assistants to the Zonal Medical Officers at the time of emergency. There will be one Asst. Surgeon, One MPHS (M), One Senior Helper and One Class-IV Staff work in each Mobile Team and the mobile team will work under the supervision of the Zone Medical Officers and will attend areas as per his instructions.

#### **7.5 Veterinary Measures-Storage of Fooder and Medicines:**

The C.D.V.O., Keonjhar will submit a contingency plan for Veterinary relief measures to be taken in case of Flood/Cyclone-2015. He will remain in over all charge of the operation in the District and the S.D.V.Os will remain in-charge of their respective areas as Zonal Officer for taking veterinary measures during and after Flood /cyclone. The live stock Inspector and V.A.S may be appointed as Nodal Officer for concerned panchayats and Block respectively. Anandapur Sub-Division which is prone to Flood/cyclone will have three zones i.e. Mareigaon, Sainkul and Anandapur (Ghasipura) with the V.A.S. as Zonal Officers. The CDVO is to take steps for procurement and storage of adequate fodder at strategic places and veterinary medicines in the District and Sub-Divisional storage.

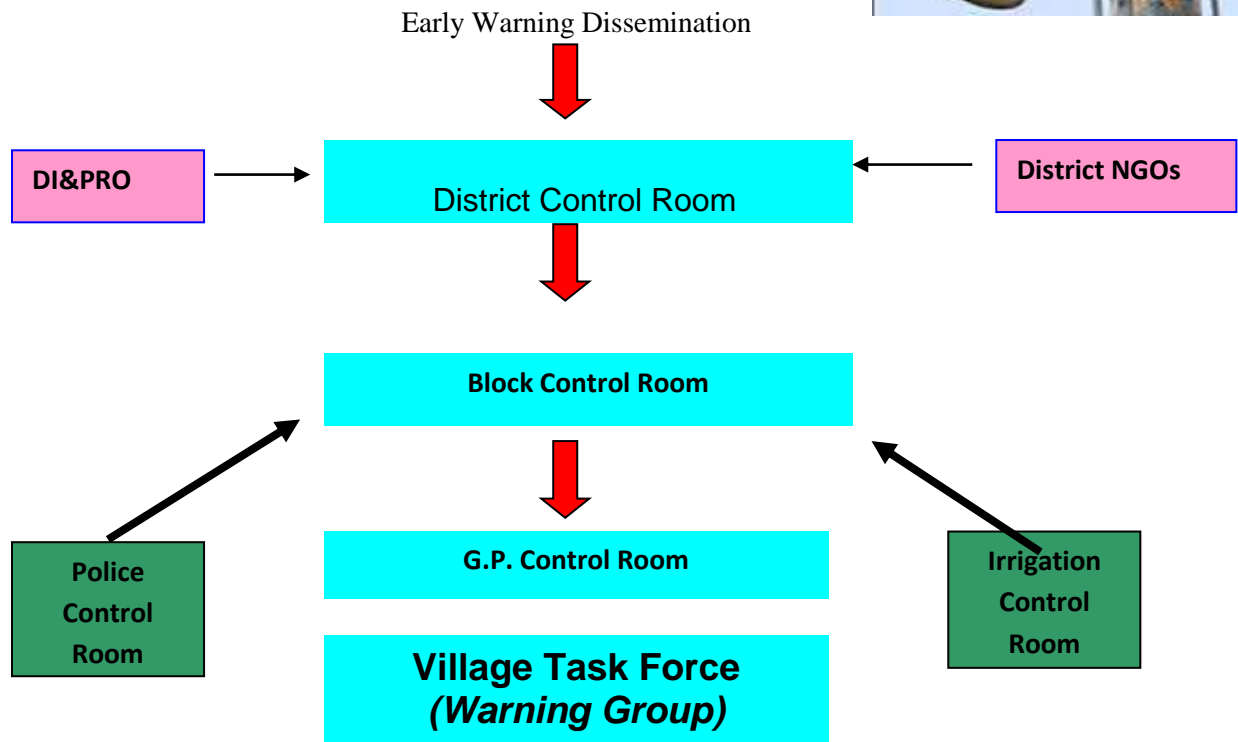


## CHAPTER – VIII

### WARNING DISSEMINATION.



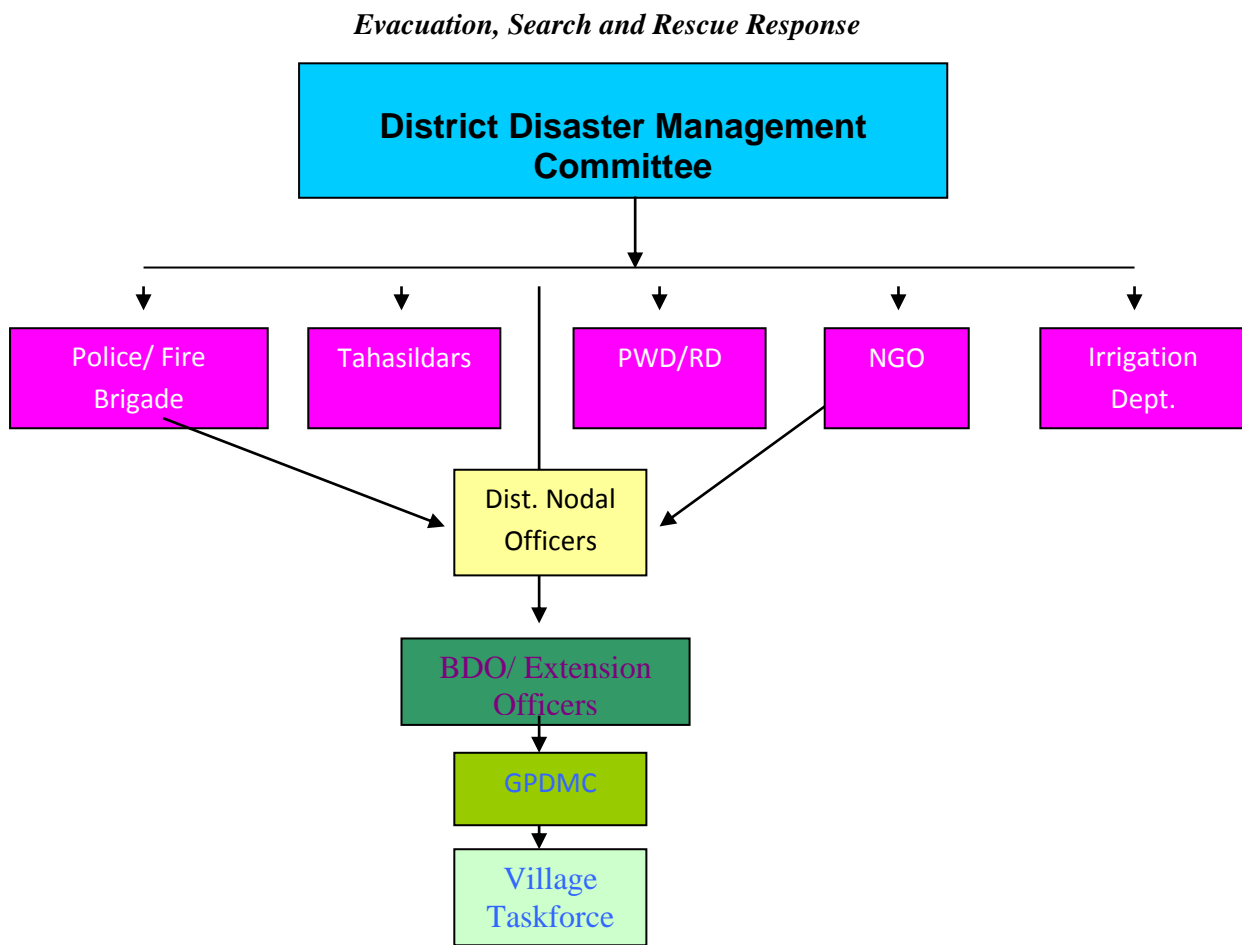
#### 8.1 Graphical representation of warning system:



#### 8.2 Standard Operating Procedure for the District Control Room, Its Duties & Responsibilities:

Sl. No.	Response			
	Preparedness	Pre (after warning)	During	Post
1	Setting up control room	Correct information dissemination	Providing correct information to all control rooms / media about the weather	Providing information about the relief & rehabilitation
2	Arrangement for dissemination of message	Maintenance of record for all information	Collection of information & providing it to all levels.	Maintenance of record of losses to life & livelihood. (Damage assessment)
3	Mock Drill of Different groups	Coordination with Block level and State level.	--	--
4	Ensuring functioning of control room at all Blocks.	Alert all district nodal officers / NGOs to remain present at their respective HQs.	--	--
5	Keeping an account of all resource man & materials.	All account of all resource man & materials.	Mobilizing the man and materials.	Utilizing all the resources for quick rehabilitation.

### 8.3 Graphical representation of Evacuation, Search and Rescue:



### 8.4 Action at Evacuation Phase:

Responsibilities	Person responsible	Additional support required from	Resources required
Give order for evacuation	District Collector	Emergency officer, ADM, SP	VHF, Wireless, Telephone, Special Messenger, Boats, Tents, First Aid, Food, Police, Armed forces.
Requisition of extra Boats	District Collector	Emergency Officer, BDOs	Wireless, Telephone, E-mail & Internet

### 8.5 Operating Procedures for Evacuation:

Disaster by their very nature will be different and may require evacuation of communities. It is important to understand the nature of threat and the procedures to be adopted. All agencies involved in evacuation must have a common understanding of their roles and responsibilities in order to avoid confusion and panic behavior. Different situations demand different priorities and hence the responsibility for ordering evacuation is assigned to different agencies. All evacuations will be ordered only by the Collector, Police and Fire Brigade or by the Industries Security Officer. For appropriate security and law and order evacuation should be undertaken with assistance from community leaders. All evacuations should be reported to the Collector or Superintendent of Police immediately.

## 8.6 General Guidelines for Evacuation:

The district level exercise of preparation of Disaster Management Action Plan is generally expected to identify the risk prone locations and possible areas for evacuation. The action plan also identifies the safe locations which can be used as emergency shelters / sites for temporary evacuation. The selection of such safe sites is done keeping in mind of the following:

- ✚ Shelter sites are within one hour's walk (5 Kilometer) of dwellings.
- ✚ The evacuation routes are away from the coast or flood-prone areas.
- ✚ Evacuation routes do not include roads likely to be submerged in flood, but may include pathways.
- ✚ It is the responsibility of administration to ensure proper evacuation by seeking community participation along the following lines:
- ✚ Evacuation is undertaken with assistance from community leaders and community based organizations (CBOs) for appropriate security and law and order.
- ✚ Care is taken to see that evacuation routes are not blocked
- ✚ It is always preferable to encourage the entire family to evacuate together as a unit.

In case of inadequate transport or limited time, encourage community for emergency evacuation in following order.

- ✚ Seriously injured and sick
- ✚ Children, women, handicapped
- ✚ Old
- ✚ Able-bodied
- ✚ Pregnant women

## 8.7 Emergency Evacuations Procedure:

- ✚ Families should be encourage to take along adequate supplies of water, food, clothing and emergency supplies.
- ✚ The families should be encouraged to assemble the following disaster supplies kit.
- ✚ Adequate supply of water in closed unbreakable containers.
- ✚ Adequate supply of non-perishable food and dry rations.
- ✚ A change of clothing and rain gear.
- ✚ Blankets and bed sheets, towels.
- ✚ Buckets, plates, glasses, mugs made of plastic.
- ✚ Soap, toothbrushes, toothpaste.
- ✚ A battery-powered radio, torch, lantern, matches.
- ✚ Cash and jewelry
- ✚ Personal medicines
- ✚ A list of important family documents including ration card, passport, bank passbook address/telephone book (of relatives), certificates, driving license, property documents, insurance documents etc.
- ✚ Special items including foods, for infants, elderly or disabled family members.
- ✚ Encourage people to keep fuel in their cars as petrol pumps may be closed during emergencies.
- ✚ As people to shut off electricity, gas and water at main switches and valves before leaving.
- ✚ As people to listen to a battery-powered radio and follow local instructions.



- ✚ If the danger is a chemical release, then people should be instructed to evacuate immediately.
- ✚ In other cases, advise people to follow these steps:
- ✚ Wear protective clothing
- ✚ Secure their homes. Close and lock doors and windows.
- ✚ Turn off the main water valve and electricity
- ✚ Leave early enough to avoid being trapped
- ✚ Follow recommended evacuation routes. Shortcuts may be blocked.
- ✚ Not to move or drive into flooded areas.
- ✚ Stay away from downed power lines.
- ✚ Animals may not be allowed in public shelters.
- ✚ Community should set the livestock free
- ✚ If possible, the community may be advised to carry the livestock along (if the evacuation does not involve transportation by vehicles)

### **8.8 Procedures for Evacuation of Marooned Persons:**

With all the administration intensions for early warning and evacuation, there may not be adequate time and opportunity for evacuation of all. Communities and individuals may be marooned. In case of marooned communities, the administration may decide to reach out to these for providing relief supplies or may decide to evacuate them. In case other administration decides to evacuate marooned persons:

- ✚ Evacuation must be carried out within the shortest possible time.
- ✚ The marooned persons must be transferred to transit camps.
- ✚ Marooned people must be provided
- ✚ Water
- ✚ Medicines
- ✚ First aid
- ✚ Cooked food must be provided
- ✚ Emergency transport for the seriously injured by Speed boats

A senior medical officer should accompany the rescue team along with required medical kit and ensure priority for shifting of those seriously injured or requiring immediate medical attention.

Water supplied must be in accordance with acceptable standards of potable water. It is responsibility of the concerned RWS&S department as well as the Public Health Department.

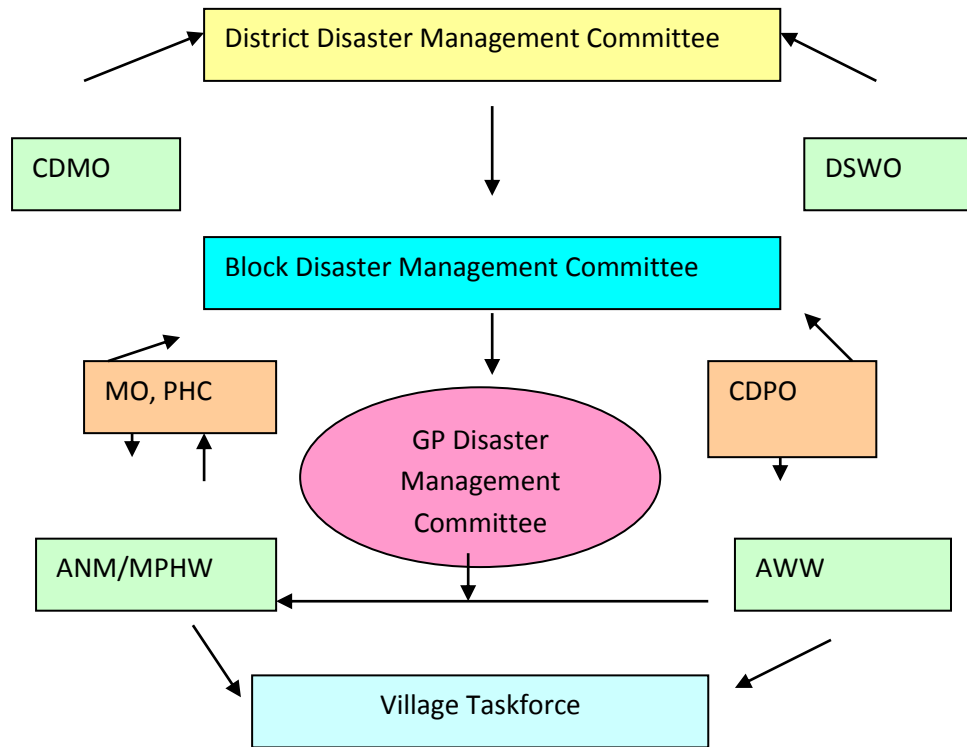


CHAPTER-IX

FIRST AID & HEALTH SERVICES.



**9.1 Graphical representation of First aid & Health Services:**



**9.2 Functioning of Control Room:**

One Control room at Dist. Hqrs. Office will function round the clock in case necessity to attend all type of Natural Calamities with the Asst. Dist. Medical Officer (PH), Keonjhar will act as the In-charge Controlling Officer. Two Junior Clerks One MPHS (M) and 2 Nos. of Class-IV will work in the control room in rotation basis.

**9.3 Pre-Flood Medicines:**

Arrangements have been made to supply pre-flood medicine to the M.R.C. before 30<sup>th</sup> of May from Central store. The Medical Officer, I/c. of the zone and sub-zones are requested to receive it for their M.R.C.

**9.4 Reporting:**

In case when any natural calamities of flood and cyclone take place it will be the responsibility of the Sector Medical Officer (M.O.I/c.) of the Medical Institutions of PHC complex to send the first hand report of incidence to Sub-Zonal Officer, Medical Officer I/c. of the P.H.C./ CHCs./ UGPHCs/ Zonal Officers and C.D.M.O., Keonjhar immediately through Telephone, Telegramme or Wireless or V.H.F or Special Messengers. The Zonal Officers in his turn will report the fact to control room of C. D.M.O., Keonjhar through quickest possible means of communication.

### **9.5 Disinfection of Drinking Water Sources:**

The zonal and sub-zonal officers are requested to complete 3 round disinfections of all drinking water sources by end of 15<sup>th</sup> June.

The following points may please be followed for preparing the advance plan of the PHC.

1. The total area of the PHC complex should be divided among the section Medical Officers of the PHC complex and accordingly staff should be deployed to work under the sector Medical Officers. The name of the sector Medical Officers and Staff H.W. (M&F), Health Asst. Health Asst. (M&F) allotted to each sector the area are to be displayed in the programme. They will be fully responsible for preventive and curative measure of their respective area. They should submit report and returns through the Sector M.O. and also to work as per the instruction of the Medical Officer, I/c. of the Sector.
2. Plan and programme should be made to complete the 3<sup>rd</sup> round disinfections of drinking water sources of the PHC area by 15<sup>th</sup> June.
3. A fresh list of waster sources (Village wise) may be prepared and should be kept in the office of the sub-zone and sector Medical Officers and should be available at Dist. Hqrs.
4. The Medical Officer, I/c. of the zones and sub-zones are also instructed to keep required medicines and disinfectants in different sector Hqrs. M.R.Cs. and also in the PHC Hqrs.
5. All the staff should be instructed to remain vigilant over the area and to report any occurrence of any health hazards to the Medical Officer concerned immediate.
6. Co-operation between the other departments, N.G.Os. And public should be kept as it is very much essential for better management and implementation of the health services in the area.
7. Plan and programme should be made to complete the 3<sup>rd</sup> round disinfections of drinking water sources of the PHC area by 15<sup>th</sup> June.
8. A fresh list of waster sources (Village wise) may be prepared and should be kept in the office of the sub-zone and sector Medical Officers and should be available at Dist. Hqrs.
9. The Medical Officer, I/c. of the zones and sub-zones are also instructed to keep required medicines and disinfectants in different sector Hqrs. M.R.Cs. and also in the PHC Hqrs.
10. All the staff should be instructed to remain vigilant over the area and to report any occurrence of any health hazards to the Medical Officer concerned immediate.
11. Co-operation between the other departments, N.G.Os. And public should be kept as it is very much essential for better management and implementation of the health services in the area.
12. Continuous health education process towards preparation of hand.  
Made oral hydration solution and its use and hygienic habits for control of epidemics may be carried out in the area. People should be well informed about the availability of health services near to them and to contact health staff immediately on occurrence of any health problem in the locality. In no circumstances E.L./C.L. should be granted to the staff during the occurrence of flood/cyclone owing to judge the gravity of the situation.

The Medical Officer, I/c. of the PHCs /CHCs /UGPHCs/(Sub-Zonal Officers) are requested to prepare and to submit the advance plan of action as per the guideline immediately to this office. They are also requested to intimate Telephone Number near to their institution where they can be contacted at the time of need.

The Zonal Medical Officer, Sub-zonal Medical Officer and Sector Medical Officers are also instructed to keep proper Co-ordination with other Deptt. like Revenue and PHD for better service and monitoring.

I.E.C. materials will be procured from staff Hqrs. For awareness of the public. Similarly if the funds are received any source for the purpose. I.E.C. materials can be prepared at District Level.

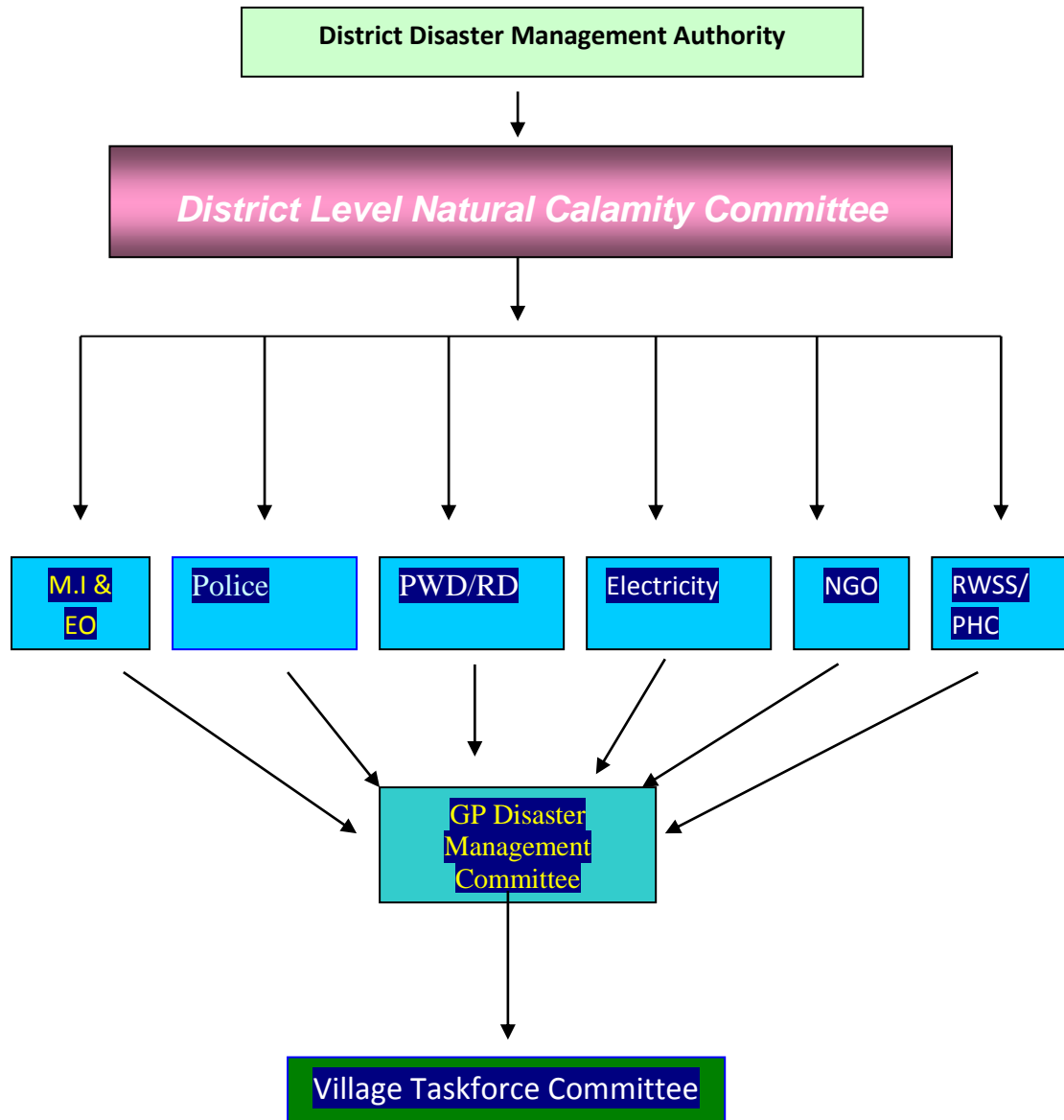


## CHAPTER-X

### SHELTER MANAGEMENT.



#### 10.1 Graphical representation of shelter management:

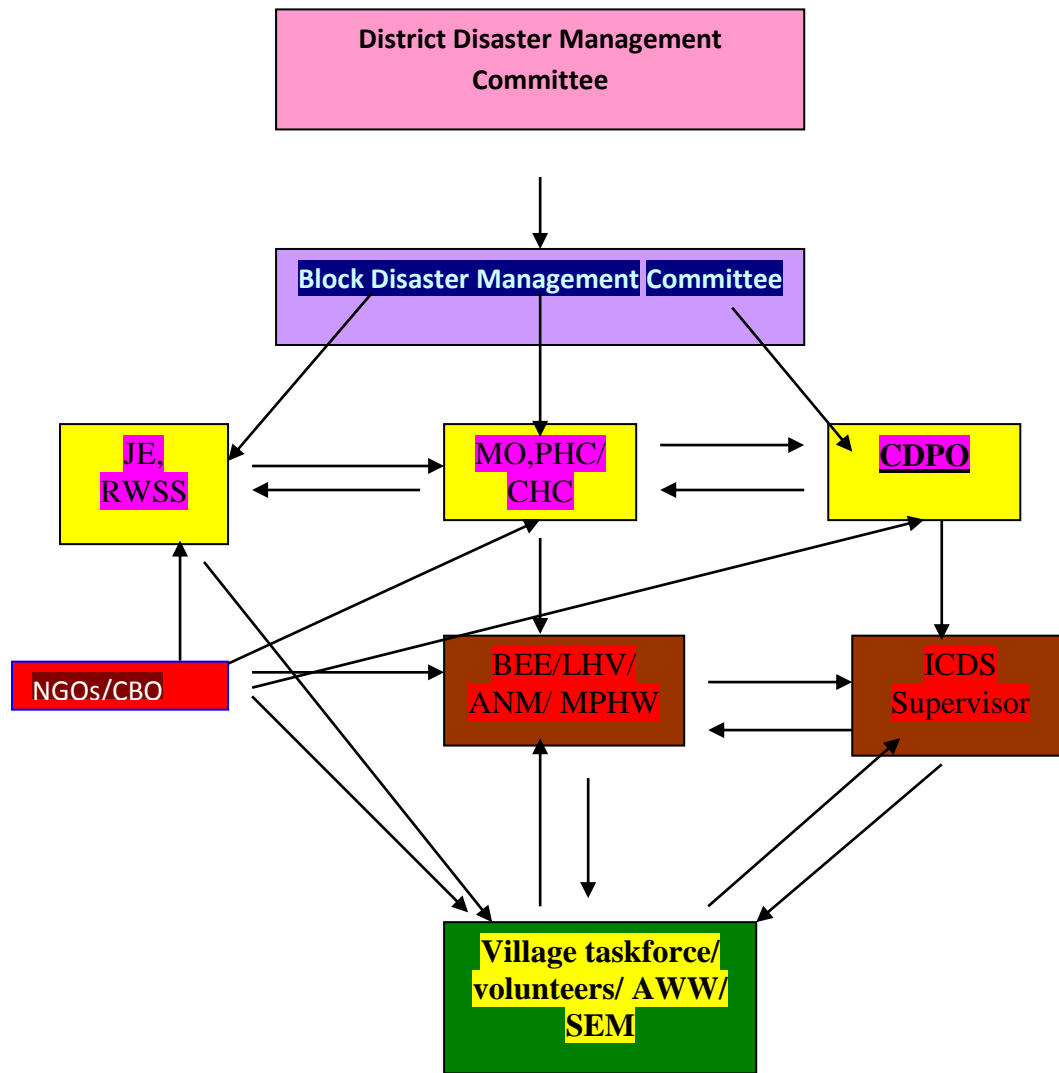


When the people are evacuated from the affected areas they have to be provided with temporary Shelters in suitable buildings belonging to Panchyat Samaties, Gram Panchyat, Educational institutions, Mahila samaties, cyclone shelters built under different schemes and other public institutions. A list of different Cyclone Shelters is provided earlier.

#### 10.2 Water and Sanitation Response:

During the calamities like flood and cyclone the human life becomes very much miserable for want of water and sanitation. The portable water sources become infested and contaminated. During the flood and immediately after flood, the sanitation of the affected area is a major concern for health hazards. Due to lack of sanitation just after the flood, there is every chance of occurrence of various diseases like diarrrohea, cholera etc.

#### Graphical representation.

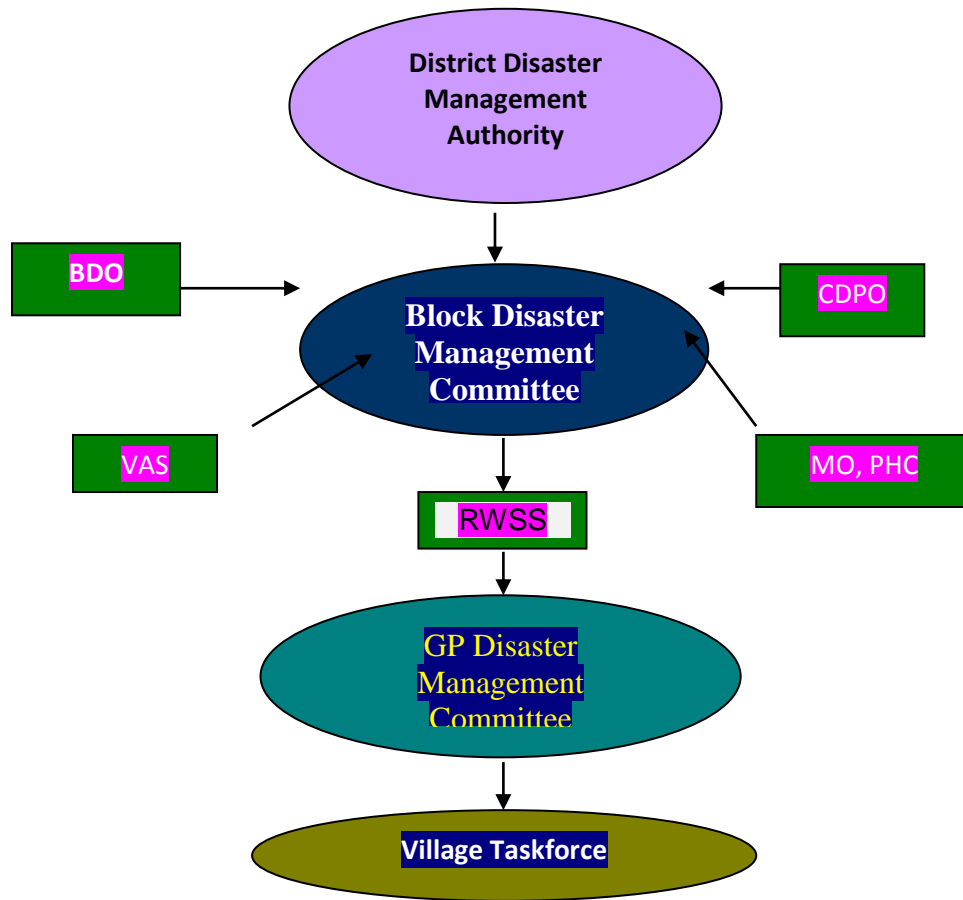


- Chlorine and chlorine-liberating compounds are the most common disinfectants. Chlorine compounds for water disinfections are usually available in three forms:
  - ✓ Chlorinated lime or bleaching powder, which has 25% by weight of available chlorine when fresh. Its strength should always be checked before use.
  - ✓ Calcium hypochlorite, a more stable compound, sold under various proprietary names. This compound contains 70% by weight of available chlorine. If properly stored in tight containers and in dark cool place, it preserves its chlorine content for a considerable period.
  - ✓ Sodium hypochlorite, usually sold as a solution of approximately 5% strength under a variety of proprietary names. Its use in water disinfections is limited to small quantities under special circumstances.



## CHAPTER-XI

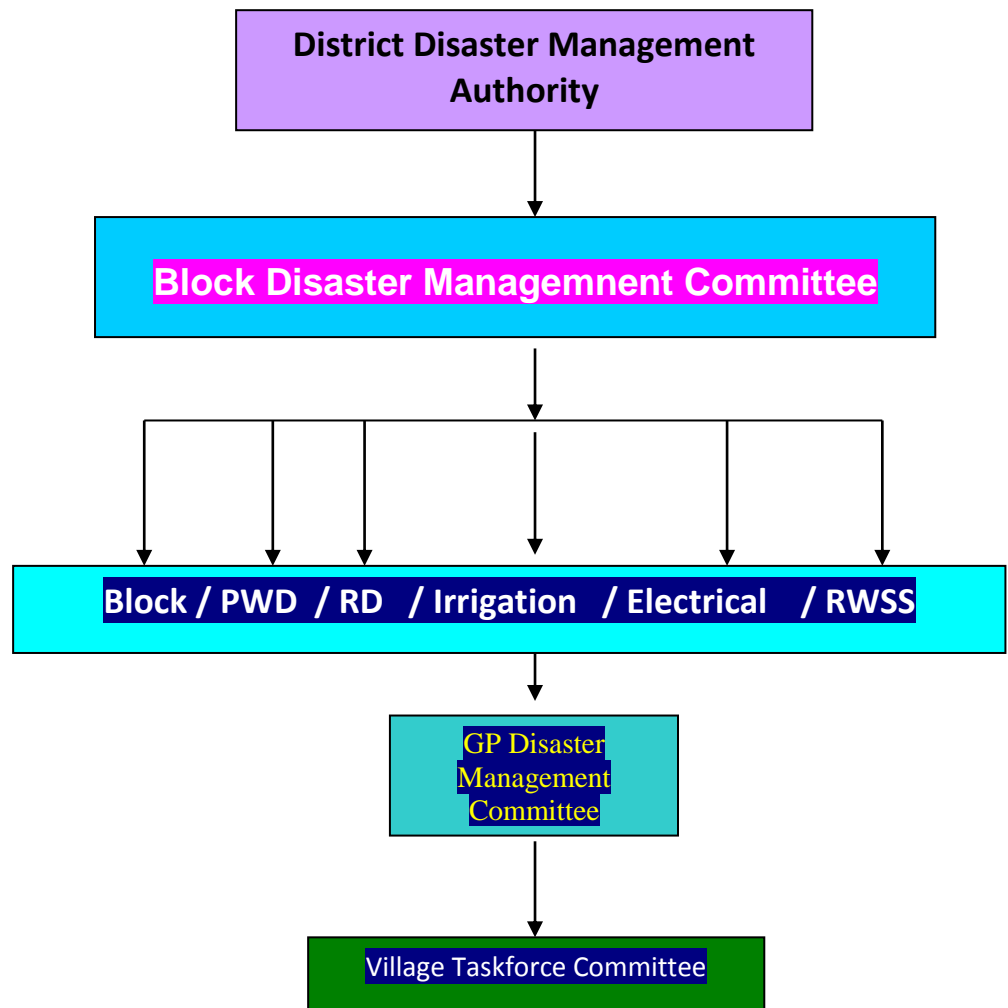
### RELIEF OPERATION & INFRASTRUCTURE RESTORATION



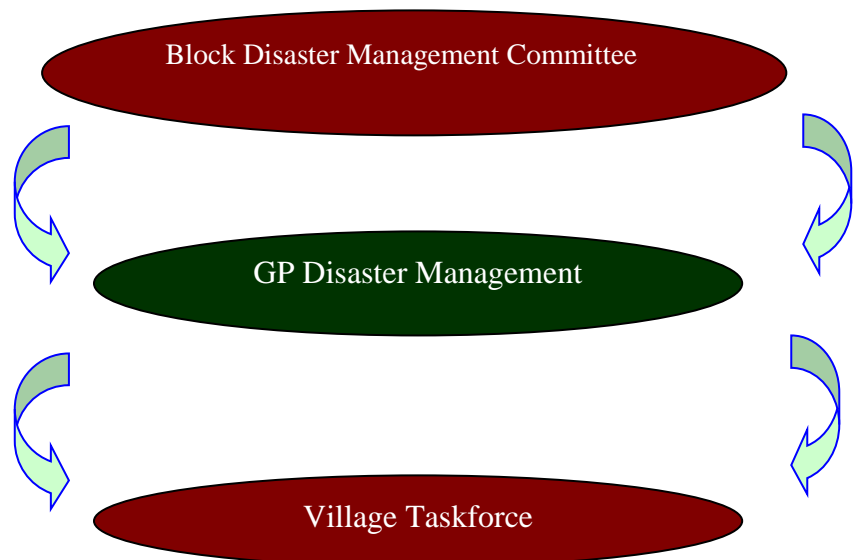
#### 11.1 Relief Operation :

Responsibilities	Person responsible	Additional support required from	Resources required
Confirmation of Relief Materials in different storage points`	District Collector	Emergency officer, CSO, BDOs, Tahasildars	VHF, Wireless, Telephone
Procurement of Relief Materials	District Collector	Emergency Officer	Wireless, Telephone, Fax, E-mail, Internet
Requisition of Relief	District Collector	Emergency officer, BDOs.	VHF, Wireless, Telephone, Special Messenger
Transportation & Logistics	District Collector	Emergency officer, RTO, SP	VHF, Wireless, Telephone, Police, OSRTC, Private transporters.
Distribution feedback and documentation	Emergency Officer	BDOs, Clerks, OIC- Control Room	Telephone, Fax, Special Messenger

**11.2 Infrastructure Restoration:**



**11.3 Coordination and Linkage with G.P and village:**





**11.4 Checklist for various Departments:**

a) THE DISTRICT COLLECTOR SHALL BE RESPONSIBLE FOR:

- Preparation of the District Disaster Management Contingency plan with the assistance of Emg. Officer.
- Setting up the District Control Room;
- Encouraging the formation of Aid and Response Groups (ARGs) consisting of Sub-divisional Officer (Sub-Collector), Zone/Addl Zone Officer (Tahsildar and B.D.Os), Home Guards and other Voluntary Agencies;
- Under the DDM/NCC, district level agencies would be responsible for directing field interventions through various agencies right from the stage of warning to relief and rehabilitation.
- At the disaster site, specific tasks to manage the disaster will be assigned.
- The District Collector will be an integral part of the DCR.
- The Site Operations Centre (SOC), which will be supervised by the Sub-Collector, will assist the District Collector.
  - A Site Operation Manager (Tahsildar/BDO) who would be deployed by the Collector will be the head of Site Operation Center.
  - The Site Manager will coordinate the activities at various campsites and affected areas.
  - The Site Operations Center will report to the District Control Room directly and from there the information will pass to the Collector.
- The District Collector will coordinate all the field responses. Field Responses include setting up Transit Camps, Relief Camps and Cattle Camps and will respond to the State Relief Commissioner and OSDMA accordingly.
- Referring the dropping zone (Breach sites, Cut off and marooned areas) do the air dropping
- Relief and Rehabilitation operation

b) ***President Zilla Parishad***

Activities
<ul style="list-style-type: none"> <li>• Ensuring the function of DDMC</li> <li>• Approval of DM Plan in the Panchayat Samiti</li> <li>• Awareness generation</li> </ul>

c) ***CDMO***

Activities
<ul style="list-style-type: none"> <li>▪ Stock position of live saving drugs, ORS, IV fluids and other equipment</li> <li>▪ Distribution of ORS, Halogen to field areas</li> <li>▪ List of contact address of field staff</li> <li>▪ List of volunteers</li> <li>▪ List of DDC/ AWW</li> <li>▪ List of epidemic/risk prone areas</li> <li>▪ List of site operation areas</li> <li>▪ Mobile health unit</li> </ul>

- List of Dist./ health control rooms
- List of private and local doctor
- Awareness through propagation of healthy practices during the disaster time
- Trained the village taskforces on use of medicine and first aid
- Daily disease report collection and analysis
- Preventive measures
- Taking help of others/dist

**d) Executive Engineer Irrigation/SDO**

Activities

- Stock piling of repair materials like sand, bags, bamboo at vulnerable points [Place name]etc.
- Provision of guarding of weak points
- List of volunteers
- Taking help of community for maintenance of the embankments
- Taking proper measures for protecting the weak points
- Co-ordinating with others

**e) District Agriculture Officer**

Activities

- List of different areas to be affected by different hazards
- Crop pattern with land holding
- List of irrigation points with status
- Alternative crop
- Trained for food preservation and protection
- Assessment of damage
- Provision of seeds and others
- Helping in raising of community nursery for seedling/sapling
- Crop insurance
- Generate seed bank/grain bank at village level
- Coordinating with others

**f) CDVO**

Activities

- Animal population with categories
- Possible problems related to different hazards
- Dealer of feeds/fodder
- List of cow sheds
- Site camps with volunteers
- Programme for mass vaccination
- Trained the taskforce to use of medicine
- Coordinating with others

**g) Executive Engineer / SDO (RD/PWD)**

Activities

- Identification o weak points
- Repair the weak points before hazards season
- Stockpiling of building materials
- List of dealers for building materials
- Promotion/training of people on retrofitting/ resistance building

- Arrangement of equipment for road clearance
- Plan for vulnerable reduction
- Coordinating with others

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

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

Do's	Don'ts
<p>Tune to your local radio for warnings and advice</p> <p>Move vehicles, equipments, garbage, chemicals etc to higher locations.</p> <p>Disconnect all electrical appliances</p> <p>Turn off electricity and gas before leaving house</p>	<p>Don't allow children to play in or near flood water</p> <p>Never wander around any flooded area.</p> <p>Don't drive into wate of unknown depth and current</p> <p>Do not eat food affected by flood water.</p>

**b) Operational Guidelines of what to do in the event of a Cyclone.**

Do's	Don'ts
<p>Stay indoor and take shelter in the strongest part of your house.</p> <p>Listen to radio and follow instructions</p> <p>Find shelter if you are caught out in the open</p> <p>Disconnect all electrical appliances</p> <p>Turn off electricity and gas</p> <p>If you have to evacuate, do not return until advised</p>	<p>Beware of fallen power lines, damaged bridges and structures</p> <p>Pay attention to all warnings and don't go for sight seeing.</p> <p>Wear strong shoes and clothing for protection.</p>

**c) Operational Guidelines of what to do in the event of a Heat wave.**

Do's	Don'ts
<p>Avoid going out in the sun, 12Noon to 3p.m.</p> <p>Drink sufficient water and as often as possible, even if not thirsty.</p> <p>Wear light weight, light-coloured, loose, and porous cotton clothes, Use protective goggles, umbrella/hat, shoes or chappals while going out in sun.</p> <p>Avoid strenuous aactivities when the outside temperature is high, Avoid working opoutside dbetween 12 and 3p.m.</p> <p>While traveling, carry water with you.</p> <p>Avoid high protein food</p> <p>If you work outside, use a hat or an umbrella and also</p>	<p>Avod alcohol, tea , coffee and carbonated soft drinks, which dehydrates the body.</p> <p>Do not leave children or pets in parked vehicles.</p> <p>People who have come from a Cooler climate should not move about in open for atleast one week till the body is acclimatized and should drink plenty of water.</p>

use a damp cloth on your head, neck, face limbs.

If you feel faint or ill, see a doctor immediately.

Use ORS homemade drinks like lassi, torani(rice water) lemon water, buttermilk, etc. which helps to re-hydrate the body..

Keep your home cool, use curtains, shutters or sunshade and open windows at night.

Use fans, damp clothing and take bath in cold water frequently.

Keep animals in shade and give plenty of water.

**d) Operational Guidelines of what to do in the event of a Drought.**

Do's	Don'ts
Raise crops like pulses etc which need less water	Avoid water intensive crops
Use labour intensive works to create permanent sources of water.	Don't spend too much in cleaning cars and houses
Crop diversion	
Renovate the old ponds and tanks.	

**e) Operational Guidelines of what to do in the event of an Earthquake**

Do's	Don'ts
Keep away from old, torn or detached buildings, electricity wires, slopes and walls which are liable to collapse	Do not rush to doors or exits never use the lift.
Stop the vehicle away from buildings, electricity wires, slopes, walls, cables.	Keep away from broken windows, mirrors, chimneys and furnitures.
Leave your badly damaged house	Avoid places where there is loose electric wire and metal object in contact with them.
Collect your water containers, food items, ordinary and special medicines (persons with diabetes and heart problems.)	Don't reenter badly damaged buildings and do not go near damaged structures.

**11.5 Mock Drills Plans:**

Time	Process (Utilization, Maintenance and Record Keeping)	Responsible Person
Once in six months	Initiated through a trigger mechanism by the Collector	DDMC members and other line department officials.

**11.6 Inter District Linkages:**

Need Areas	Process	Contact Person
<ul style="list-style-type: none"> <li>• Supply of Dry food</li> <li>• Providing boats</li> <li>• Trained manpower</li> <li>• Volunteers</li> </ul>	As per pre decided norms among the neighbouring District Collectors.	District Collector

**11.7 District Plan update:**

Time	Process	Responsible Person
Once in six months	Meeting & consultation among the DDMA.	DDMA members

**11.8 Schedule for updating plans:**

Plans	Updating Time
District Disasters Management Plan	½ Yearly ( MAY & NOV)
Line Departments Disasters Management Plan	½ Yearly ( MAY & NOV)
District Database	Scheduled time
All line Department information	¼ Yearly ( Mar, June, Sep, Dec)



IMPORTANT TELEPHONE NUMBERS KEONJHAR DISTRICT

Sl.No.	Designation	Code	Office	Residence
01	Collector& District Magistrate	06766	255482 255401(Res office)	255410
02	Chairpersion ZillaParisad	06766	255642	253716
03	Dist Control Room		1077	
04	A.D.M.	06766	255408	255403
05	Dist.Emergency officer		255437	
06	M.V.I.		255481	
07	O.I.C.Metrology		253241	
08	S.P.	06766	254106	255402
09	C.D.M.O.	06766	255525	255440
10	PD.D.R.D.A.	06766	255538	255492
11	Fire Officer		255501 (101)	
12	Sub-Collector,Anandpur	06731	220225	240221
13	Sub-Collector,Keonjhar	06766	255436	255425
14	Sub-Collector,Champua	06767	240201	240202
15	Tahasildar, Keonjhar	06766	255516	250050
16	Tahasildar,Barbil	06767	275276	276662
17	Tahasildar,Champua	06767	240205	
18	Tahasildar,Ghatagaon	06733	222233	
19	Tahasildar,Hatadihi	06731	271031	
20	Tahasildar,Patna		237127	
21	Tahasildar,Telkoi	06735	248233	
22	Tahasildar,Anandpur	06731	221388	221024
23	B.D.O. Keonjhar	06766	255494	
24	B.D.O Anandpur	06731	220445	
25	B.D.O Ghatagaon	06733	222222	254723
26	B.D.O Patna		237021	354885
27	B.D.O Banspal		234413	254562
28	B.D.OHarichandanpur	06733	224021	
29	B.D.OTelkoi	06735	248223	
30	B.D.O Saharpada	06796	220245	
31	B.D.O Ghasipura	06731	220384	
32	B.D.O Hatadihi	06731	271021	
33	B.D.O Champua	06767	240212	
34	B.D.O Jhumpura		235238	
35	B.D.O Joda	06767	272258	
36	Executive Officer, Keonjhar Municipal	06766	255413	255535
37	Executive Officer, Anandpur Municipality	06731	220260	220248
38	Executive Officer, Joda Municipality	06767	272214	272208
39	Executive Officer, Barbil Municipality	06767	275278	275452
40	Executive Engineer,M.I.Keonjhar	06766	255453	255427
41	Executive Engineer M.I.Anandpur	06731	220313	220319
42	Executive Engineer,Kanpur Irrigation	06766	255217	
43	Executive Engineer,Canal.Div.Keonjhar	06766	255259	255384
44	Executive Engineer O.L.I.C.Keonjhar	06766	255284	255575
45	Executive EngineerRWS&S Keonjhar	06766	255442	255486
46	Executive EngineerBaitarani Div.Kjr.	06731	220258	220248

**Contingent Plan Programme for the ensuing Flood, 2015-16 of Baitarani Division, Salapada.**

1. Baitarani Division, Salapada in the district of Keonjhar looks after the embankment and other flood protection works of River Baitarani, Kusei, Samakoi and other tributary nallahs such as Remal, Musal, Muhan, Ghagara, Phapudia, Oriya etc in the district of Keonjhar and Bhadrak. Besides, this Division also looks after the irrigation projects such as

1. Anandapur Barrage Project right canal system
2. Remal Irrigation projects on Remal river
3. Kanjhari Irrigation Projects on Kanjhari river

There are 5 Sub- divisions under this Division, which are as follows:-

- i). Baitarani Flood Sub-Division with Headquarters at Salapada looks after all river embankments and other flood control measures of river Baitarani, Kusei, Samakoi and its tributaries. Besides, this Flood Sub-Division looks after the Remal Irrigation Projects.
  - ii). Anandapur Barrage Sub-Division with head quarter at Bidyadharpur looks after the right canal system of Anandapur Barrage Projects from its off-taking point up to Anandapur Bhadrak State Highway Road.
  - iii). Salania Irrigation Sub-Division with Headquarter at Salania looks after the right canal systems of Anandapur Barrage Projects at tail-end portion.
  - iv). Kanjhari Irrigation Sub-Division with Headquarter at Kanjhari Dam site looks after the maintenance of head works and canal systems of Kanjhari Irrigation Projects including Flood Control works in upper reaches of river Baitarani, Samkoi, Telkoi etc within the district of Keonjhar.
2. RIVER GAUGE STATION:-

There are 2(two) station gauges, one on river Baitarani and one on Kusei at Anandapur and Belbahali respectively. These gauge stations are maintained by CWC. The daily gauge reports are obtained from CWC by the Special Messenger and reports to Authorities. The details of river gauge stations are given under.

Sl. No.	Location of the Gauge Station	River	Zero Value (Mtrs.)	Danger level (Mtrs.)	H.F.L./Gauge reading (Mtrs.)	Recording year.
1	Anandapur	Baitarani	28.00	38.36	41.35	22.09.2011
2	Belbahali	Kusei	35.32	39.70	41.06	14.07.1972

NB:- The maximum flood discharge of river Baitarani at Anandapur Bridge site is 13000 Cusec (approximate) on 22<sup>nd</sup> September, 2011.

3. RAIN GAUGE STATION:-

There are 5 rain gauge stations under this Division, which are as follows-

- i) At Salapada : Provides daily rainfall data for this locality.
- ii) At Remal Dam Site : About 30 kms from Salapada.
- iii) At Kanjhari Dam Site : About 85 kms from Salapada.
- iv) At Danagadhia : About 10 kms from Salapada.
- v) At Champajhar : About 105 kms from Salapada.

The rain gauge stations Nagadhia and Cat Da hampajhar indicates the inflow station Reservoir. These two stations are located about 24 kms and 12 kms from Thakurmunda station in the district of Mayurbhanj. Due to inadequate communication facilities, the daily rain fall data of tions are being communicated to the Thakurmunda Police station by the departmental staff these stations and the same are being communicated to all concerned through their police wireless during the period of rainy season only.

During the period of rainy season, the data relating to the rainfall, reservoir levels etc are to be communicated to all concerned daily starting from 15 th June to 30th October. All the Asst. Engineer and Asst. Executive Engineer-in charge of the Dam and rain gauge stations are required to communicate the reservoir and rainfall by special messenger or by phone to transmit to office of the E.E., Salapada without fail from 15 th June to 30th October for onward transmission to different quarters.

4. MAINTENANCE OF RIVER GAUGE AND DISCHARGE OBSERVATION:-

gauge posts There are two river, one at Anandapur and another at Belabahali. These have been painted and the Zero value of the gauge are checked by the Asst. Executive Engineer, Baitarani Flood Sub-Division, Salapada.

The C.W. C staff are to observe discharge of the river only the river gauge and Flood , quarters is at Ghasipur whose head, they have to communicate the gauge and the discharge observations of Baitarani to all concerned timely during Flood Station.

5. FLOOD CONTROL ROOM:-

At Salapada in the chamber of the The Divisional Flood Control Room will function. The Executive Engineer, Baitarani Division. The telephone of the Executive Engineer (06731-220258) will be utilized to receive and to transmit the flood message. The Control Room at Sub-Divisional level will function in the office of the Asst. Executive Engineer Baitarani Flood Sub-Division, Salapada. Another Control Room will also be opened in the Offices of the Chief Construction Engineer, Anandapur Barrage Project, Salapada and their telephone no. 06731 is- 220230. The group wise shift duties of officers in- charge of Control Room will be formed before 15th June- 2015. The Officer-in- Charge of Control Room is responsible for receiving and transmitting the flood data shift wise.

6. FLOOD SHEDS:-

There are 7 adjacent to river embankment nos of flood sheds, which will be utilized during flood emergency period. The location of these flood sheds are follows:-

- |               |                |
|---------------|----------------|
| 1. Janara     | 2. Panchupalli |
| 2. Salani     | 4. Habaleswar  |
| 5. Mugupur    | 6. Batto       |
| 7. Govindapur |                |

7. CYCLONE SHELTER AND H.L.V SITES:-

The following cyclone shelter and H.L.V sites can also be utilized during flood and cyclone emergency period.

- |   |  |
|---|--|
| 1 | Cyclone shelter at Barigaon) Now use by K.M. s College' women, Salapada. |
| 2 | H.L.V.site at Habaleswar.  |
| 3 | H.L.V.site at Saladei.   |
| 4 | H.L.V.site at Rekitia No- I& II  |
| 5 | H.L.V.site at Baharipur.   |
| 6 | H.L.V.site at Batto.   |



8. REPORTING OF FLOOD MESSAGE/DAMAGES:-

The Junior Engineer of Baitarani flood sub- division are responsible for collecting daily reports uge readerof river gauge at Anandapur and Belabahali respectively through their ga. On of reports from the concerned receiptOfficer-in-Charge, theOfficer-in-C harge ofD ivisional C ontrolRoom will transmit the same to all concerned. During flood period, hourly report is to be observed and communicated.

Any damages,g of flood water and breaches occurred in the embankments overtoppin during flood, the concerned Junior Engineer-in-Charge of the embankment will intimate immediately to the concerned S.D.s'O/E.E/C.C.E,Anandapur Barrage Project , Salapada C.E. & B.M,asinLower Mahanadi B , Bhubaneswar /Sub-Collector/Collector. Beside this, all fieldOfficer-in-C harge of differentI rrigationP rojects are also allotted during flood and similar action are tobe taken up by them.

9. FLOOD FIGHTING ARRANGEMENTS:-

are to be procured and to be stored at the vulnerable points The flood fighting arrangement for the flood emergency. The list of flood fighting materialsto be stored are as follows.

**List of flood fighting materials**

Empty cement gunny bages	-	40000 Nos.
Bamboo	-	2000Mtrs.
Sand	-	1400Cum
Rope)shutuli(	-	20Kg.
Torch light)Three cell(	-	33 Nos.
Battery for Torch light	-	100Nos.
Kerosene oil for petromax light	-	30Ltrs .
Petromax light mental	-	24Nos.
Petromax light on hire	-	14Nos.

10. ING ARRANGEMENT UNDER BAITARANI ESTIMATE FOR FLOOD FIGHT DIVISION, SALAPADA FOR THE ENSUING FLOOD-2015.

1. Procurement of flood fighting materials.

a(	Empty cement bags =4000 Nos		Rs.1,40,000.00
b(	Bamboo for pilling &Jaffery =200 Mtrs.	L.S	Rs.50,000.00
c(	Sand from local river within 5Km leas by	L.S	Rs.3,00,000.00
	Mechanical means= 2000Cum		
d(	Rope )Sutuli = (20 Kg. @ Rs.20.00/Kg		Rs.600.00
e(	Torch Light =33Nos @ Rs.200/-each		Rs.6600.00
f(	Battery for torch light =100 Nos. @ Rs.10/- each		Rs.1000.00

g(	Kerosene Oil =50 Ltrs.	@Rs.28-/Ltr.	Rs.1400.00
h(	Petroma Light mental =24 Nos.	@ Rs.10/-each	Rs.240.00
i(	Rain Coat =33 Nos.	@ Rs. 750/-each	Rs.24,750.00
<b>Total:-</b>			<b>Rs .5,26,690.00</b>

**2. Flood watching of embankments**

a(	s at eachNormal watching embankment2 Kms. interval in CE& OAE for81 Km 81/ 2= 40. 50or say 40stations In day time1 No. patrol for40 station =40 Nos. In day time2 Nos patrol fro40 stations =80 No.s		
<b>Total</b>			<b>= 120Nos.</b>

b(	For15 days @Rs.150.00-/each = 15x120x150. 00= Rs.2,70,000.00 Volnerable weak points watching No. of vulnerable points= 12Nos. In day time watching2 Nos. of Patrol for7 station= 14Nos. atchingIn night w2 Nos of Patrol for7 stations = 14 Nos		
			<b>Total = 28Nos.</b>

c(	For15 days @Rs.150.00-/each = 28x120x150. 00= Rs.63,,000.00 Hire charges of petromax light For normal watching in40 stations= 40Nos. For vulnerable points watching7 tationss= 7Nos.		
			<b>Total = 28Nos.</b>

d(	For15 days @Rs.100.00-/each = 47x15x150. 00= Rs.1,05,750.00 For collecting rain guage data Patana, Champua and Thakurmunda= 3x47x150.= 00		Rs.21,150.00
			<b>= Rs.. 4,59,900.00</b>

**3. Flood cell expense-**

a(	Stationeries	L.S	Rs. 5,000.00
b(	Telephone bills	L.S	Rs. 30,000.00
c(	Other contingencies	L.S	Rs. 2,000.00
		<b>TOTAL</b>	<b>Rs. 8,000.00</b>

4.	Re-fixing and painting of river gauge	L.S	Rs .5,000.00
5.	Other un-foreseen items	L.S	Rs.3,000.00
		<b>Total-</b>	<b>Rs.8,000.00</b>

ABSTRACT OF COST

1.	Procurement of flood fighting materials		Rs .5,26,690.00
2.	Flood watching		Rs .4,59,900.00
3.	Flood cell expenses		Rs .37,000.00
4.	Re-fixing & painting of gauge	L.S	Rs. 5,000.00
5.	Other unforeseen items	L.S	Rs .3,000.00
			<b>GRAND TOTAL- Rs. 10,31,590.00</b>

12. MANAGEMENT OF OFFICER-IN-CHARGE OF EMBANKMENT/PROJECT:-

Due to inadequate strength of technical Officers, the following arrangements have been made for looking after the embankment and dams of different projects during flood season 2015-16-

**1. Sri Laxman Marandi, A.E.E.**

He will be in overall in-charge of river embankment of river Ba, Kusei, Remal and Remal Dam.

**2. Sri Swarajay Kesharir Nayak , A.E.E**

He will be over all In-Charge of river embankment in upper reaches of Baitarani, Samkoi, Telkoi including Kanjhari Dam.

**3. Sanatan Das, A.E**

He will be in-charge and left in-charge of embankment of Kusei r & Baitarani left from Anandapur to Tarava Bareswar including ring road in the Keonjhar of district including ring road.

**4. Suryamani Samal, J.E.**

He will be In-Charge of embankment of Baitarani left from Govindapur to Habaleswar, Baitarani from Batto to Ranapur right & O.A. Embankment up to end and both in Keonjhar and Bhadrak district.

**5. Sri Karunakar Lenka, J.E.**

He will be In-Charge of Embankment of Kusei left beyond Belabahali and Baitarani right from Nallah and also T Khaparakhai to Panchupali including Ghagara. R Embankment of Musala Nallah, Balia, Abdula and Sadangi.

**6. Narendra Naik, A.E.**

He will be in-charge of Kanjhari Dam.

**7. Umesh Ku Sri. Sashini, A.E.**

He will be in-charge of Remal Dam, Spillway and its distributary system.

13. ANY OTHER ITEMS:-

The Telephone Number 06731-220258 and 06731-220230 to be utilized for flood cell of the Executive engineer, baitaramni division and the Chief construction engineer, Anandapur barrage project, Salapada respectively. Besides this, the mobile Numbers of the Officers as mentioned below can also be utilized during the flood urgency. These Officers will remain alert throughout the period of rainy season for supervision and guiding the various activities for mitigating the flood situation if any. In case of severe floods, they will be assisted by support staff either from the Department of Water Resources or from any other departments as per requirement.

**District Disaster Management and Response Plan, Keonjhar-2016**

Sl. No.	Name of the Officer	Designation	Mobile/Office No.	FAX/e-mail address
1	2	3	7	8
1	Er. Bijay Ku. Kalta	E.Baitarani Division E, Salapada	9437282458 06731-220258	06731-220258 <a href="mailto:eebaid2010@gmail.com">eebaid2010@gmail.com</a>
2	Er. Diptiranjana Rout	J. E)Estr.( Baitarani Division, Salapada	9437227801 06731-220230	06731-220258 <a href="mailto:eebaid2010@gmail.com">eebaid2010@gmail.com</a>
3	Er. Laxman Marndi	A.E.E,B .F.Sub - Division Salapada	8908039795	
4	Er. Surendra Kumar Mishra	A.E. Section No.I	9438397382	
5	Er. Karunakar Lenka	J.E. Section No-IV	933767972	
6	Er. Umesh Ku.Sashini	A.E. Section-II	9437655117	
7	Er. Suryamani Samal	J.E. Section No-III	9437293446	
8	Er. Sanatan Das	A.E. Section-V	9438204950	
9	Er. Sanatan Patra	Dy. E.E, A.B Sub-Division No-Bidyadharpur	9437159543	
10	Er. Soubhagya Ku. Tarei	J.E. Section No-I	9938302156	
11	Er. Er. Bijaya Ku. Sethy	A.E. Section-III	9438214039	
12	Er. Umesh Ch. Nayak	J.E. Section No-IV	9437453570	
13	Er. Amulya Ku. Rout	J.E. Section No-II	9438243757	
14	Er. Pranab Ku. Nayak	A.E.E Salania Irrigation Sub-Division	9437254176	
15	Er. Pramod Ku. areiT	J.E. Section No-I	9178904227	
16	Er. Ramchandra Nayak	A.E. Section-II	9437115238	
17	Er. Paresh Ku. Das	A.E. Section-III	9438355699	
18	Er. Swarajaya Keshari Nayak	A.E.E Kanjhari Irrigation Sub-Division	9937943018	
19	Er. Satrughna Sahoo	A.E. ionSect-I	9437437377	
20	Er. Narendra Ku. Naik	A.E. Section-IV	9437784277	
21	Er. Prasanta Ku. Swain	Dy. E.E, Remal Canal Sub-Division, Keshdurupal	9439005401	

The appropriate authorities of Police wireless and CWC wireless stationed at Salapada Irrigation Colony and Salapada village respectively will be requested to issue necessary instructions to the concerned office-in-charge of wireless station to receive the flood message from the Asst. Executive Engineer, Baitarani flood Sub-Division, Salapada and to transmit the same to all concerned on priority basis. Necessary Police protection will be provided to the field office during flood season if necessary.

Similarly the Asst. Executive Engineer, Baitarani flood Sub-Division and concerned J.E. in-charge of Remal Dam will warn the local public in downstream of dam before release of water from Remal dam during flood in river Kusei.

The Asst. Executive Engineer, Asst Engineer and Junior Engineers in-charge of Bidyadharpur Barrage, Remal Dam and Kanjhari Dam will maintain the reservoir level according to the inflow and operation table without endangering to the Dam and Barrage as well as public properties of the flood prone areas.

14. EMBANKMENT:

The total length of embankment maintained under this division is 102.570 km. in different categories covering the district of Keonjhar, Jajpur and Bhadrak given as follow:-

Embankment Category	District wise breakup of lenght of embankment		
	Keonjhar	Bhadrak	Total
1	2	3	4
a) Capital Embankment	64.791 km		64.791 km
b) b) O.A. Embankments	17.900 km	1.500 km	19.400 km
c) T.R Embankments	17.689 km	-	17.659 km
d) Other F.P Embankments	0.690 km	-	0.690 km
Total	101..070 km	1.500 km	102.570 km

The details of embankments are indicated at earlier sections.

15. REVISE OF WORK AND VULNERABLE POINTS:-

All the embankments except a few stretches are trained and have no vulnerable weak points. These stretches are vulnerable due to sharp bend of river flow and existence of house in villages nearby. All the T.R Embankments are in under section and treated as vulnerable during high flood. The lists of vulnerable points of the embankments are indicated below.

Sl. No.	Name of the embankment	Name of river	Location of the Vulnerable and weak points	Lenght of the vulnerable & weak points	Village likely to be affected	Reasons for such vulnerable points
1	2	3	4	5	6	7
1	Flood protection embankment on Baitarani right from Panchupalli to Chatra	Baitarani	Village Panchupalli at RD.2.5 km	500 mtr.	Panchupalli	Due to sharp bend of the river and deep channel flowing near the embankment the spot is vulnerable
2	Flood Protection embankment on Baitarani left from Gobindapur to Habaleswar	Baitarani	Village Gobindapur to Agiria	300 Mtr.	Govindapur to Agiria	The embankment is having low TBL and possiblility of over toping in high flood
2	Flood Protection embankment on Baitarani left from Gobindapur to Habaleswar	Baitarani	Village Habaleswar	100Mtr.	Habaleswar	Due to sharp bend of the river and deep channel flowing near the embankment the spot is vulnerable

