



## DISTRICT DISASTER MANAGEMENT PLAN BALANGIR DISTRICT



**VOLUME-I**

**Disasters  
Happen**

NATIONAL PREPAREDNESS MONTH 2019  
**PREPARE NOW! LEARN HOW**

**SAFETY** **it's a choice  
not a chance**

The District Disaster Management Plan is a key part of an emergency management. It will play a significant role to address the unexpected disasters that occur in the District. The information available in DDMP is valuable in terms of its use during disaster. Based on the history of various disasters that occur in the District, the plan has been so designed as an action plan rather than a resource book. During the time of disaster there will be a delay before outside help arrives. At first, self help is essential and depends on a prepared community which is alert and informed .Efforts have been made to collect and develop this plan to make it more applicable and effective to handle any type of disaster.

- Contingency Plan in a continuous process
- During relief measures social auditing ensures transparency
- Women and Panchayati Raj Institutions (PRIs) should involve in the entire process.

## **MESSAGE**

I CONVEY MY IMMENSE PLEASURE TO PRESENT THE PEOPLE OF BLANGIR, “THE DISTRICT DISASTER MANAGEMENT PLAN 2019”. THE PLAN IS BRIEF AND EXHAUSTIVE, COVERING ALL THE ASPECTS UNDER THE PURVIEW OF DISASTER MANAGEMENT. IT’S PROVIDING NECESSARY INFORMATION ON DISASTER MITIGATION, PREPAREDNESS, RESPONSE & RE-CONSTRUCTION MEASURES HELPFUL FOR A DISASTER MANAGER.

A DEDICATED EFFORT HAS BEEN MADE BY THE DISTRICT DISASTER MANAGEMENT AUTHORITY, BALANGIR TO PREPARE A COMPREHENSIVE PLAN UNDER THE STEWARDSHIP OF, DPO, OSDMA. WE HAVE PREPARED A COMPLETE LIST OF POSSIBLE DISASTER IN THE DISTRICT, COLLECTED THE HISTORY OF DISASTERS, STANDARD OPERATING PROCEDURES (SOPS) FOR EACH DISASTERS, CONTACT NO. OF ALL NODAL OFFICERS, LIST OF FLOOD SHELTERS & MEDICAL FACILITIES & A HAZARD SPECIFIC CRISIS MANAGEMENT PLAN WITH VULNERABILITY ANALYSIS OF THE DISTRICT.

I SINCERELY WISH THAT THIS PLAN WILL ASSIST THE DISTRICT A GREAT DEAL & SUBSEQUENTLY REDUCE THE LOSS OF LIFE & PROPERTY DUE TO THE DISASTER AND TO ACHIEVE THE MISSION OF “ZERO CASUALTY” THROUGH SUCCESSFUL DISASTER MANAGEMENT.

(SRI ARINDAM DAKUA, IAS)

COLLECTOR, BALANGIR

## MESSAGE

I CONGRATULATE THE DISTRICT DISASTER MANAGEMENT AUTHORITY OF BALANGIR DISTRICT FOR PREPARING A COMPREHENSIVE PLAN INTEGRATING PREVENTION, MITIGATION, PREPAREDNESS & RESPONSE MEASURES FOR SUCCESSFUL DISASTER MANAGEMENT. I AM CONFIDENT THAT THE IMPLEMENTATION OF THIS PLAN WILL MAKE THIS DISTRICT, DISASTER RESILIENT.

THE PLAN AIM'S IS TO IMPROVE THE DISASTER RESILIENCY OF THE DISTRICT BY INTEGRATING DISASTER RISK REDUCTION IN TO DEVELOPMENT AND BY INCREASING THE PREPAREDNESS TO RESPOND TO ALL KINDS OF DISASTERS SUCCESSFULLY. THE IMPLEMENTATION OF THE PLAN REQUIRES SINCERE CO-OPERATION OF THE LINE DEPARTMENT, AS WELL AS THE ACTIVE PARTICIPATION OF THE CIVIL SOCIETY, COMMUNITY BASED ORGANISATIONS, COMMUNITIES & THE PRIVATE SECTOR.

I WISH ALL SUCCESS TO THE TEAM BEHIND THE PREPARATION OF DDMP-2018.

ADDL. DISTRICT MAGISTRATE,  
BALANGIR.

## **Abstract of District Disaster Management Plan-2019**

### **Chapter. 1: Introduction**

- Aims and Objectives of the DDMP
- Authority for DDMP: Approval & implementation
- Evolution of DDMP in brief: (Evolution, Procedure and Methodology to be followed for preparation of DDMP)
- Stakeholders and their responsibilities
- Plan for review and updating: Periodicity]

### **Chapter 2 : District Profile**

History & Location, Administrative Setup, Climate & Rain fall, Geography, Topography, River System, Demography, Socio- Economic Profile, Critical infrastructure like Anganwadi centres, Schools and other Educational Institutions, Hospitals and Health Centres, Veterinary Hospitals, Police and Fire Stations, Cooperative Societies, Banks and Post offices, Road and Railway network, Cyclone and Flood Shelters, Rain gauge and Automatic Weather Stations.

### **Chapter3: Hazard, Risk and Vulnerability Analysis**

- A brief description of disasters that the District has faced during last 10 years and hazard vulnerability of the District has been mentioned.
- Vulnerability and Risk Assessment related to disasters has been mentioned (Drought Flood vulnerable area of the District)
- Detailed list of vulnerable Villages/Wards.

### **Chapter 4: Institutional Arrangement**

- National Disaster Management Authority (NDMA)
- State Disaster Management Authority
- Organogram of District Disaster Management Authority
- Structure of District Disaster Management Authority
- District Level Committee on Natural Calamity (DLCNC)
- National Disaster Response Force (NDRF)
  
- Odisha Disaster Rapid Action Force (ODRAF)
- National Legal Service Authority (NALSA)/ State Legal Service Authority (SALSA)/ District Legal Service Authority(DLSA)

### **Chapter 5: Prevention and Mitigation**

Ways & Means to prevent or reduce the impact of various disasters, Structural Measures & Non Structural Measures

### **Chapter 6: Climate Change Adaption & Mitigation**

### **Chapter 7: Safety of school and child care institutions**

Implementation of school policy guidelines 2016, Guideline on school safety policy 2016, NDMA, Category of type of schools, School safety advisory committee. Details of school safety in the District, Disaster management Education, Details of child care institutions

### **Chapter 8: Capacity Building**

Capacity Building of Govt. Officials, PRI Members etc  
Periodic mock drills to be organized involving District and block level officials/ institutions to assess the capacity and preparedness to face certain disasters, Disaster management Education for (School Safety and School Disaster Preparedness. Community Capacity Building and Community Based Disaster Management. Capacity building of Cyclone and Flood Shelter Maintenance & Management Committee and Task Force members.

### **Chapter 9: Preparedness**

Relief Lines : District to Blocks , Relief Line Channels : *Block to GPs & Villages,*

Resources available : Response force & Volunteers , Preparedness at District level,

Preparedness at Community Level, Preparedness at Family Level, Preparedness at Individual Level, Preparedness of Departments.

### **Chapter 10: Response**

Response refers to activities done for handling disaster to bring the situation to normalcy not exceeding fifteen days from the abatement of disaster.

Phases of Response : Timeline, Relief Management: Timeline, Response at District level, Block level, G.P level, Community level and Individual level.

### **Chapter 11: Restoration and Rehabilitation**

Rehabilitation and restoration comes under recovery phase immediately after relief and rescue operation of the disaster. Like Damage Loss Assessment, Calculation of assistance for agricultural input subsidy, Assistance sought for repair /restoration of damaged house, Assistance for provision for temporary accommodation, food, clothing and medical care etc.

### **Chapter 12 Recovery**

Preparation of Recovery plan for displaced population, vulnerable groups, environment, livelihoods. Allocate funds for the stabilisation of the repaired & reconstructed infrastructure.

### **Chapter 13 Financial Arrangements**

National Disaster Response Fund (NDRF), State Disaster Response Fund (SDRF), Chief Minister Relief Fund (CMRF), Different State and Central Government Schemes and Programms.

### **Chapter 14: Lessons learnt and Documentation**

- Note: In this chapter lessons learnt from past disaster in the District has been elaborated. Emphasis has been given on what went wrong and what were the best practices during managing any past disaster.
- Documentation process of Past disaster.

### **Preparation and Implementation of District Disaster Management Plan**

- Procedure for preparation of DDMP as per the DM Act 2005.

- Roles of ADM, DEO and Nodal Officers support from other line Departments
- Support of line departments (for providing information)
- Time lines for updating DDMP. (From January to February of every year)

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## **Abbreviations**

AAY	India Awas Yojna
ANM	Auxiliary Nurse Midwife
ASHA	Accredited Social Health Activist
AWCs	Anwanwadi centre
BEOC	Block Emergency Operation Centers
BNRGSK	Bharat Nirmak Rajiv Gandhi Seva Kendra
BSF	Boarder Security Forces
CDVO	Chief District Veterinary Officer
CHCs	Community Health Centre
CIFS	Central Industrial Security Forces
CPMF	Central Paramilitary Forces
CWC	Central Warehouse Corporation
DDA	Deputy Director Agriculture
DDMA	District Disaster Management Authority
DDMP	District Disaster Management Plan
DDMT	District Disaster Management Teams
DEOC	District Emergency Operation Centre
DIP	District Irrigation Plan
DLCNC	District Level Committee on Natural Calamity

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DM Act	Disaster Management Act 2005
DRR-CCA	Disaster Risk Reduction and Climate Change Adaptation
FIR	First Information Report
GPDP	Gram Panchayat Development Plan
HH	Households
IAY	Indira Awas Yojna
IEC	Information Education and Communication
IMR	Infant Mortality Rate
IPPE	Intensive participatory Planning Exercises
KMS	Kharif Marketing Season
MGNREGS	Mahatma Gandhi National Rural Employment Guarantee Scheme
MHUs	Mobile Health Unit
MMR	Maternal Mortality Rate
NABARD	National Bank for Agriculture and Rural Development
NDMA	National Disaster Management Authority
NDRF	National Disaster Response Force
NDRFs	National Disaster Response Funds
NEC	National Executive Committee
NFSA	National Food Security Act
NGOs	Non-Government Organisation
NH	National Highways

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NRLM	National Rural Livelihood Mission
ODF	Open Defecation Free
ODRAF	Odisha Disaster Rapid Action Force
OSDMA	Odisha State Disaster Management Authority
OSWC	Odisha State Warehouse Corporation
PACS	Primary Agriculture Cooperative Society
PHCs	Public Health Centre
PWD	Person with Disability
RAT	Railway Affected Tank
RAW	Railway Affected Work
RMC	Regulated Market Committee
SDG	Sustainable Development Goal
SDHs	Sub-Divisional Hospital
SDMA	State Disaster Management Authorities
SDRF	State Disaster Response Funds
SDVO	Sub-Divisional Veterinary Officer
SEC	State Executive Committee
SH	State Highways
SLCNC	State Level Committee on Natural Calamity
SoP	Standard Operating Procedure
UNDP	United Nation Development Programme
VDMC	Village Disaster Management Committee

## Chapter – 1: Introduction

India has been traditionally vulnerable to Natural Disasters on account of its unique geo-climatic conditions. Floods, drought, cyclone, earthquakes and landslides have been a recurrent phenomenon. About 60% of the landmass is prone to earthquakes of various intensities, about 40 million hectares of land is prone to floods, about 8% of the total area is prone to cyclones which covers around 8000 K.M. stretch of Indian coastline 68% of the area is susceptible to drought. In the past decade, about 4344 people lost their lives and about 30 million people were affected by disasters every year. The loss in terms of private, community and public assets has been astronomical.

The super cyclone of Orissa in October 1999 and the Bhuj Earthquake in Gujarat in January 2001 underscored the need to adopt a multi disciplinary and multi-sectoral approach and incorporation of risk reduction in the development plans and strategies. Over the past couple of years, the Government of India has brought a paradigm shift in the approach to disaster management from relief and rehabilitation to prevention, mitigation and preparedness. The new approach proceeds from the conviction that development cannot be sustainable unless disaster mitigation has to be multidisciplinary spanning across all sectors of development. The new policy also emanates from the belief that investment in disaster mitigation is much more cost effective than expenditure on relief and rehabilitation.

Odisha is vulnerable to multiple natural hazards. Due to its sub-tropical littoral location, the state is prone to tropical cyclones, storm surges and tsunamis. It has a 480 km coastline. There are eleven major river systems in Odisha such as the Subarnarekha, the Budhabalanga & Jambhira, the Baitarani, the Brahmani, the Mahanadi, the Rushikulya, the Vansadhara, the Nagabali, the Indravati, the Kolab and the Bahuda. Its densely populated areas with heavy load of silt have very little carrying capacity, resulting in frequent floods, only to be compounded by breached embankments. About two-third of the total cultivated area being rain-dependent, drought poses a serious threat at regular intervals in the event of failure of Monsoon. Though a large part of the state comes under Earthquake Risk Zone-II (Low Damage Risk Zone-III (Moderate Damage Risk Zone) covering 44 out of the 106 urban local bodies of the state.

Apart from these, loss of life due to lightning has remained the highest of all natural calamities over the last decade. Heat-wave conditions during summer months also lead to heat-stroke death and other suffering to the people. And its occurrence is not limited to any particular season or month although increased number of fire accidents occurs in the summer months.

Balangir District has witnessed loss of human lives and livelihoods due to the devastating effects of Drought, Heat wave, Floods, Fire accidents and lightnings. In the recent past the District has faced drought during 1996, 1998, 2000, 2002, 2009, 2010, 2011, 2015, 2017, 2018 and Flood / Heavy rain during 2001, 2003 and 2014. This District is one among

the hottest place in the country with the mercury reaching 48<sup>0</sup>C. Besides, numbers of death cases has been recorded in an increasing trend in the District due to lightning and snake bites. Experience showed that the best approach for mitigating disasters or minimizing their impact is to take timely action, which is possible only if the Communities and concerned agencies and organizations in both public and private sectors became agree to undertake risk reduction measures in a sustainable way.

## 1.1 Overview to Disaster Management Plan

A dangerous condition or events that threaten or have the potential for causing injury to life or damage to property or the environment is called **Hazard**. Hazards can be categorized in many ways. But based on their origin, worldwide they are basically grouped in two broad categories.

1. **Natural Hazard:** Hazards with Meteorological, geological or even biological origin.
2. **Un-Natural Hazard:** Hazards with Human Caused or Technological origin. It is popularly known as Manmade Disasters.

It is also important to know that natural Phenomena are extreme Climatological, Hydrological or Geological processes that do not pose any threat to human or property. For example, a massive earthquake in an unpopulated area is a natural phenomenon but not a hazard. It is when these natural phenomena interact with human population or fragile areas which cases wide spread damage. The population which are prone to these natural phenomena are called **Vulnerable** to hazards. A disaster is the output of a hazard such as earthquake, flood, landslide or cyclone coinciding with a vulnerable situation, which may include communities, cities or villages. Without vulnerability or hazard there is no disaster. A disaster happens when vulnerability and hazard meet.

India is a vast country and is prone to many hazards. In the meantime, India has experienced the disaster like tsunami in 2008, great earthquakes like Assam-1950, Gujarat-1992, Sikkim-2011, Super cyclones of Odisha 1999, Phalin 2013, unexpected flash flood of Mumbai etc. Considering such situation, Government of India already has passed the Disaster Management Act on 23<sup>rd</sup> December, 2005 in the Parliament. After this Act, disaster is no more confined to any particular department rather it is confined to all departments. This act enables the state government to form disaster management authority at the state level and make it more effective and specific.

The state of Odisha is highly prone to many hazards like Droughts, Flash Flood, Landslide, Heat wave and Cyclone. The State Disaster Management Authority has been trying to visualize measures to mitigate disaster imparting training and awareness programmes

including media and printed documents for public and Govt. Officials, by preparing disaster management plan for any kind of disaster.

### **Administrative arrangement:**

The Department of Revenue and Disaster Management is the administrative department for management of disasters. Special Relief Commissioner (SRC) is in charge of response phase of disasters, whereas, Odisha State Disaster Management Authority (OSDMA) deals with preparedness and mitigation aspects. OSDMA provides support to SRC during response phase. At the District level, Collector is the District Relief Officer and Disaster Manager. Block is the lowest unit of relief administration. Block Development Officer and Tahasildar jointly manage relief administration at the lowest level. A State Level Natural Calamity Committee functions under the chairmanship of the Chief Minister for overall supervision and monitoring at the state level. At the District level, District Natural Calamity Committee along with DDMA functions with representation from District level officers and peoples' representatives under the chairmanship of the District Collector for supervision and monitoring.

### **Coordination and Networking Mechanism**

Disaster Management is a multi-agency function. It involves actions by different departments, organization and agencies. In short, it involves almost all departments of the State Government, Central Government, Armed Forces, Civil Society, Corporate Sector, Trader's Organizations, Faith Based Organizations, International Organizations working in the field of disaster response and UN Agencies etc. It is therefore, important that roles and responsibilities of each stakeholder are laid down during normal time and coordination mechanism worked out so that the same works during emergencies. Regular interaction with all the stakeholders is held at least once in a year. Key stakeholders are also associated with the mock drills to test their preparedness and clarity of roles and responsibility.

Coordination and Networking strengthens the disaster preparedness mechanism to deliver tangible results in a time bound manner. In disaster management, coordination could be on the basis of information, service, support and institutional framework. OSDMA works as the focal point for coordinates with different stakeholders for strengthening the disaster preparedness in the state.

**Section 31 of Disaster Management Act 2005 (DM Act) makes it mandatory** on the part of District Disaster Management Authority (DDMA) to adopt a continuous and integrated process of planning, organizing, coordinating and implementing measures which are necessary and expedient for prevention as well as mitigation of disasters. DDMP shall include Hazard Vulnerability Capacity and Risk Assessment (HVCRA), prevention, mitigation, preparedness measures, response plan and procedures These processes are to be incorporated in the

developmental plans of the different departments as a preparedness measure to meet the disaster and relief, rescue and rehabilitation thereafter, so as to minimize the loss to be suffered by the communities and are to be documented so that it is handy and accessible to the general public.

## 1.2 Aims and Objectives of the DDMP:

### A. Aims of DDMP

This was 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.

The four pillars of this plan namely:

- a. Culture of preparedness
- b. Culture of Quick response
- c. Culture of Strategic Thinking and
- d. Culture of prevention

### B. Objectives of DDMP

- Sustainable reduction of impact of natural and man-made disasters through preparedness at District, Block, Gram Panchayat and Village level.
- To provide effective support and resources to all the concerned individuals, groups and departments in disaster.
- To assist the line departments, block administration, communities in developing compatible skills for disaster preparedness and management
- To identify the areas vulnerable to major types of the hazards in the District.
- To adopt proactive measures at District level by all the govt. departments to prevent disaster and mitigate its effects.
- To define and assign the different tasks and responsibilities to stakeholders during the pre-disaster and post-disaster phases of the disaster.
- To enhance disaster resilience of the people in the District by way of capacity building.
- To have response system in place to face any eventuality to affect or elicit the least possible disruption to the normal life process when dealing with individuals in disaster.
- To ensure active participation by the government administration, communities, NGOs, CBOs and volunteers at all levels making optimal utilization of human and material resources at the time of disaster.
- To develop the standardized mechanism to respond to disaster situation to manage the disaster efficiently.

- To prepare a response plan based upon the guidelines issued in the State Disaster Management Plan so as to provide prompt relief, rescue and search support in the disaster affected areas.
- To adopt disaster resilient construction mechanism in the District by way of using Information, Education and Communication for making the community aware of the need of disaster resilient future development.
- To make the use of media in disaster management.
- Rehabilitation plan of the affected people and reconstruction measures to be taken by different govt. departments at District level and local authority.
- To develop immediate awareness among the people about hazard occurrence and increase their participation in preparedness, prevention, development, relief, rehabilitation and reconstruction process.

The District Disaster Management Plan (DDMP) is the guide for achieving the objective i.e. mitigation, preparedness, response and recovery. This Plan has been prepared to respond to disasters with sense of urgency in a planned way to minimize human, property and environmental loss.

### **Authority for DDMP: Approval & implementation**

As per Notification No. IVF (OSDMA)-24/20-10- 46209 dtd. 12<sup>th</sup> November, 2010 of Commissioner-cum-Secretary to Government, Revenue & Disaster Management, Government of Orissa, communicated by Joint Secretary to Government, R & D.M. Department, Orissa, Bhubaneswar, the District Disaster Management Authority of the District of Balangir has been constituted as per following.

(i)	Collector & District Magistrate	Chairperson, ex-officio
(ii)	Chairman, Zilla Parishad	Co-Chairperson, ex-officio
(iii)	Superintendent of Police	Member, ex-officio
(iv)	Chief District Medical Officer	Member, ex-officio
(v)	The Executive Engineer in-charge of Embankments	Member, ex-officio
(vi)	ADM, in-charge of emergency.	Chief Executive Officer, Ex-officio
(vii)	Executive Engineer, Rural Development Department.	Member
(viii)	Project Director, DRDA	Member
(ix)	Dy. Director, Agriculture.	Member.

All the members has been communicated on the above notification along with Powers and functions of the Chief Executive Officer of the District Authority communicated by Joint Secretary to Government, R & D.M. Department, Orissa vide Memo No 27167/R&DM dtd.12.7.2010.

### 1.3 Preparation and Approval of DDMP

The information submitted to all concerned was compiled and report was drafted by under the close supervision of DDMA Authorities and members. The draft plan was shared with the officers of the line department to review and seeks suggestions for improvisation of the plan. After necessary modification, the revised plan shared with the members of District Disaster Management Authority (DDMA), Balangir for final Approval.

### 1.4 Evolution of DDMP in brief: (Evolution, Methodology followed for preparation of DDMP)

#### 1.4.1 Evolution of DDMP

Poor natural resource base, huge population pressure, inadequate infrastructure and less adaptive capacity of the community are increasing their exposure to these natural hazards. Due to the global climate change the occurrence of natural hazards will be more frequent, the poor community will become more vulnerable and the resultant impact will be more devastating. The disastrous effects of natural hazards cannot be eliminated completely but the miseries can be minimised to a reasonable extent by adoption of appropriate management practices. The present disaster management strategies basically focus on the **relief, rehabilitation, reconstruction and restoration** aspects i.e. **crisis management**. This approach has been ineffective because response is untimely, insufficient, poorly coordinated and poorly targeted to disaster affected groups or areas, hence often increasing the societal vulnerability to hazards.

Hence, there is an urgent need to adopt a Community Based Disaster Management strategy, where maximum emphasis should be given on **early warning, preparedness, and mitigation** i.e. **risk management** to develop a well informed, better organised and more prepared community resilient to all type of disasters. This approach must include the capacity building of all stake holders, education and awareness generation among the community, IEC campaign on Dos and Don'ts during disasters, development of multi hazard plans, strengthening the existing support system and institution building to ensure sustainability.

Identification of the socio economic profile, natural resource base, opportunities, hazards and their potential impacts of the District and development of various preparedness, response and mitigation strategies to reduce the impact of disasters is the underlying principle for the preparation of District Disaster Management plan. The basic objective of this Action plan is to ensure safety of the lives, properties and livelihood of the people during the disasters. Therefore proper development and effective implementation of an integrated plan addressing each and every aspects of disaster management in Balangir context is highly essential. The

DDMP should not contain some distinct sectorial activities rather it should essentially aims at the holistic approach of disaster mitigation emphasizing on a wide range of multi sectorial activities. Hence a concerted and a coordinated effort of all the departments during the planning, implementation of the plan is of utmost importance.

Since 2010 District Disaster Management Authority (DDMA) has been preparing the DDMP every year with the support of OSDMA under UNDP programme to tackle the various types of disaster in the District. District Emergency Operation Centre (DEOC), Balangir has been entrusted to prepare the DDMP. Moreover, recent development in Sendai Framework for Disaster Risk Reduction (2015-2030) and Sustainable Development Goal (SDG) focused in mainstreaming of DRR in development planning and programme. But the existing DDMP of the District is lacking of such important aspects of Disaster Management. During 2017, OSDMA has taken special efforts to bridge the gap under straightening of DDMA and SDMA projects. OSDMA developed detailed methodology and templates to update the existing DDMP. Thus, for 2017 and onwards, the DDMP has two parts viz. Volume I which contains the DDMP and Volume II covered relevant statistical figures and annexure.

### 1.4.2 Methodology

Steps	What is to be done	Who are to be involved	Methodology
I	Review and Analysis	Collector, ADM, Emergency Officer, BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	<ul style="list-style-type: none"> <li>▪ Past history of disasters to be discussed and documented</li> <li>▪ Extent of severity and damage to be recorded</li> <li>▪ The nature of the Warning issued to be analyzed</li> <li>▪ The nature and extent of the rescue and restoration done, to be revisited</li> </ul>
II	Situation Analysis	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	<ul style="list-style-type: none"> <li>▪ Mapping the geography and topography of the risk prone areas, block-wise, GP-wise and village-wise</li> <li>▪ Demographic details to be recorded</li> <li>▪ Mapping of the habitation in the concerned areas</li> <li>▪ The natural resources to be marked on the maps</li> <li>▪ Listing all the livelihoods and properties</li> <li>▪ The existing risk prone/ safe infrastructure to be marked on the map</li> </ul>

III	Hazard Analysis	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	<ul style="list-style-type: none"> <li>▪ Identification of all possible hazards in the area based on past experience and available records</li> </ul> <p>Identification of the most vulnerable areas with relation to threat to life, livelihoods and property</p>
IV	Vulnerability Assessment	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	<ul style="list-style-type: none"> <li>▪ Locations of the vulnerable areas are to be mapped separately</li> <li>▪ Identification of the vulnerable people such as, the elderly, the disabled, children and pregnant women, families living in thatched houses, fishermen at sea (if any), ailing people, etc.</li> <li>▪ Identification of property or assets which are likely to be affected, such as, cattle and other livestock, kachcha houses, weak structures, pump sets, tube wells and other installations, crops, horticulture and plantations, boats, nets, etc.</li> <li>▪ Identification of weak points on embankments (if any)</li> <li>▪ Marking the drainage system in the concerned area</li> </ul>
V	Opportunity Analysis	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	<ul style="list-style-type: none"> <li>▪ Identification of the existing resources which may help to reduce risks to life and property</li> <li>▪ Identification of the safe houses and buildings for shelter and storage</li> <li>▪ Listing the existing flood/cyclone shelters, if any</li> <li>▪ Identification of the elevated and up-lands which can act as natural barriers to protect livestock</li> <li>▪ Listing of the existing health and sanitation facilities</li> <li>▪ Identification of safe routes for evacuation</li> <li>▪ Identification of the sources of funds to carry out the preparedness activities.</li> </ul>

**Preparation of a Disaster Preparedness Plan involves the following steps:**

### 1.4.3 Consultation with Dist & Block level Officials

For smooth implementation of the proposed Disaster Preparedness Response/Mitigation, the Plan for involving some institutional at the District level has been prepared. There are various Disaster Management Teams (DMTs) has been formed with distinct roles and responsibilities. (Briefly described in Chapter-4 of this Volume-1)

District Disaster Management Authority (DDMA) is the nodal committee for the disaster management at the District level and it consistent of representatives of various stakeholders like PRIs (ZP President) Government officials (various departmental heads) NGOs etc. The Collector & District Magistrate is the Chairman of the Committee and the ADM in charge of Emergency, Balangir is the Chief Executive Officer of the Committee.

### 1.5 Stakeholders and their responsibilities

At the District level, District Disaster Management Authority, with the District Collector designated as the Response Officer (RO), and other line departments at District HQ are responsible to deal with all phases of disaster management within District. Other technical institutions, community at large, local self-governments, NGOs etc. are also stakeholders of the District Disaster Management Plan.

#### Roles and Responsibilities of the Collector and District Magistrate

PHASE	ACTIVITIES
<b>Pre-Disaster</b>	<p>Preparedness Before the Disaster:</p> <ul style="list-style-type: none"> <li>▪ Reviewing and analyzing the calamity situation in the District over the next one-year through a meeting at the District level involving all the departments of the District as well as block levels and the locally active NGOs</li> <li>▪ Identifying and mapping of disaster prone zones and strategies to stay prepared for the worst.</li> <li>▪ Ensure proper extension of the disaster preparedness techniques for drought, heat wave, flash flood, epidemics by the concerned department.</li> <li>▪ Ensure IEC through Emergency section/BDO's /Tahasildars/NGO's /AW centers /Street plays/ Workshops / Wallings.</li> <li>▪ Reviewing the DCR and making it functional as per SOP fixed by him (SOP to be prepared earlier)</li> <li>▪ Making the DCR well equipped and depute senior officers from time to time to review the receipt of information and dissemination.</li> <li>▪ Calling a meeting for NGO co-ordination cell. And discuss issues such as Capacity assessment of different NGOs and ask them to adopt certain vulnerable areas to avoid overlapping and duplicity.</li> <li>▪ Preparing a checklist (containing the dos and don'ts) and pass that on to the NGOs</li> <li>▪ Ensuring/installing communication system to the inaccessible villages.</li> </ul>

- Ensuring proper functioning of warning systems & communication systems.
- Checking stock of the Public distribution system/ICDS and arrangement of the temporary Godowns.
- Checking the Resources with other department such as Police, Fire, Civil Defense and of NSS/NCC/NYK.
- Preparing a list Power Boats already deployed and/or to be deployed on hire during crisis.
- Assigning specific duties to different officers/Sr. Officers at Headquarters and staying in constant touch with them.
- Ensuring Mock drill of the rescue and relief teams.
- Preparing a map showing the location of temporary shelter camps at high elevation with accessibility
- Ensuring formation of GP and village level Disaster Management Committee through Block Development officers.

**Dissemination of Warning:**

- Receiving Warning from reliable sources and crosschecking them for authenticity.
- Disseminating warning to District level officials /Revenue field functionaries /PRIs & coordination with the Revenue control room
- Keeping the Control Room active round the clock.
- Distributing duties to the District level officials, Sub-collectors, Tahasildars and BDOs.
- Arranging vehicles and public address systems for information dissemination.
- Establishing coordination with the NGOs and other Civil Society Organisations and assigning them duties.
- Asking the people in the vulnerable areas to move to the shelters and to move their domesticated animals to safer places and to cooperate with the volunteers and other officials engaged in similar activities

During  
Disaster

#### Flash Flood & Epidemics

- To co-ordinate with Civil defense, NGOs/CBOs. Police/ Fire Brigade for support during Flash Flood
- Arrangement & Deployment of boats/vehicles etc. for evacuation of people from low lying and marooned areas and administer emergent relief.
- Deployment of police for maintaining discipline and peace keeping during evacuation, relief distribution etc.
- Keeping a record of the affected area and people so as to account for the relief materials needed.
- Procurement and transportation of relief materials to affected areas
- Arrangement of free kitchen in the shelter camps & affected areas and assigning the responsibilities to officials for proper distribution with coordination from NGOs/CBOs
- Distribution of basic medicines and disinfectants to prevent epidemic and ensuring Health care activities by the CDMO in the shelter camps & through mobile Units/Temporary Health in regular intervals
- CDVO through Mobile units/Temporary Health camps in the affected areas
- Ensuring that there is enough storage of food and pure water in the shelters.
- Monitoring all the activities in the affected areas.

#### Drought & Heat Wave:

- Organizing urgent meeting with key line departments to review the heat wave & drought like situation and the initiatives taken by the department to combat the situation
- Instruct the Labour department to issue circulars to all the departments that are implementing labour intensive work for changing the working time and making provision of drinking water at the work site.
- Coordinate with the RWSS department to prepare its contingency plan to reduce the drinking water crisis during heat wave and drought situation
- Monitor the activities of Blocks, GPs, NGOs etc
- Meeting with the Irrigation, MIP, LI, Watershed department to assess the current water availability and the crop area likely to be saved
- Coordinate with the Agriculture/Horticulture department for timely supply of seeds/ seedlings of suitable variety.
- Monitoring and Supervision of the different Food and Social security schemes of the Govt. to check whether it is reaching the target group or not.
- Providing employment opportunity to the most vulnerable group by initiating FFW/CFW work.

<b>Post-Disaster</b>	<u>Short-term Measures:</u> <ul style="list-style-type: none"> <li>Formation of special task force with required equipments.</li> <li>Assigning responsibilities for specific areas.</li> <li>Damage Assessment</li> <li>Temporary supply of food, drinking water and medicines to the shelters and affected areas</li> <li>Arrangement for safe shelter for animals.</li> <li>Providing temporary arrangements for income generation for the affected people</li> <li>Drought resistance short duration paddy seeds to be made available to farmers.</li> <li>Encouraging NGOs/INGOs from outside to carry out restoration and reconstruction works</li> <li>Ensuring crop insurance</li> <li>Supervising all the activities</li> </ul>
	<u>Long Term Measures</u> <ul style="list-style-type: none"> <li>Immediate restoration of Road communication, Irrigation system, Educational institutions, Govt. Institutions, Electrical installation, Drinking water supply, Construction of IAY houses for the BPL families</li> <li>Breach Closure and other Embankment Strengthening activities</li> <li>Planning for holistic approach of drought mitigation through Watershed and Watershed plus intervention</li> <li>Planning for increasing the irrigation potential of the District through the construction of more Medium and Minor Irrigation Project.</li> <li>Meeting with District level officials /Officials at Head quarter and chalk out emergency plan with vulnerable areas and resource list</li> <li>Co-ordination meeting of NGOs /PRIs. &amp; Assignment of duties.</li> </ul>

### Roles and responsibilities of the Additional District Magistrate (A.D.M)

PHASE	ACTIVITIES
<i>Pre – Disaster</i>	<ul style="list-style-type: none"> <li>Playing a second fiddle to the Collector in all aspects</li> <li>Ensuring proper dissemination of warning both downward and upward level improper interval of timing.</li> <li>Ensuring proper functioning of Control room</li> <li>Deployment of Office in charges of Collectorate in control room round the clock basis.</li> </ul>
During	<ul style="list-style-type: none"> <li>Arrangement of Vehicles</li> <li>Keeping the Police and Fire Personnel ready</li> </ul>

Disaster	<ul style="list-style-type: none"> <li>▪ Keeping staffs at the DCR ready</li> <li>▪ Deployment of additional staff if necessary</li> <li>▪ Proper allocation of relief materials to the affected areas</li> <li>▪ Allocation of officials for proper distribution of relief materials</li> <li>▪ Supervision of relief distribution</li> </ul>
<i>Post-Disaster</i>	<ul style="list-style-type: none"> <li>▪ Keeping liaison with all line departments</li> <li>▪ Restoration of roads, transport and communication systems</li> <li>▪ Collection of progress report on restoration and reporting to the Govt/SRC/RDC</li> <li>▪ Periodical visits to the affected areas to supervise the restoration works</li> <li>▪ Procuring the list of the affected people and property from the BDOs/Tahasildars</li> <li>▪ Preparing a comprehensive damage report</li> <li>▪ Allotment of relief materials/financial assistance</li> <li>▪ Monitoring to make sure that everything is at its place</li> <li>▪ Coordination with line departments and civil society organizations</li> <li>▪ Supervision of restoration activities under taken by different voluntary agencies.</li> </ul>

### Roles and Responsibilities of the CDMO

PHASE	ACTIVITIES
Pre-Disaster	<p>Preparedness and Warning Dissemination:</p> <ul style="list-style-type: none"> <li>▪ Stock pilling of Life saving drugs/ORS packets/Halogen tablets on receipt of warning from the Collector/DCR</li> <li>▪ Transmission of messages to all PHCs to stock medicines and keep the medical staff ready</li> <li>▪ Disease surveillance and transmission of reports to the higher authorities on a daily basis.</li> <li>▪ Vaccination.</li> <li>▪ To obtain and transmit information on natural calamities from the DCR</li> <li>▪ Advance inoculation programme in the flood/Cyclone prone areas.</li> <li>▪ Ensuring distribution of areas of operation among the mobile team.</li> <li>▪ Pre-distribution of basic medicines to the people who are likely to be affected</li> <li>▪ Shifting the patients who are in critical situation to the District Hospital</li> <li>▪ Awareness messages to stop the outbreak of epidemics</li> <li>▪ Conducting mock drills</li> </ul>
During	<ul style="list-style-type: none"> <li>▪ Constitute mobile teams and visit the worst affected areas.</li> <li>▪ Dis-infection of Drinking water sources.</li> <li>▪ Opening of site operation camps</li> </ul>

Disaster	<ul style="list-style-type: none"> <li>Regular Health Check up at Shelter camp/Cyclone shelter &amp; affected areas</li> <li>Assigning responsibilities to the ADMOs/ SDMOs for close monitoring of Health camps.</li> </ul>
Post-Disaster	<p>Restoration and Rehabilitation</p> <ul style="list-style-type: none"> <li>Organization of Health Camps,</li> <li>Deploying mobile fully equipped and manned Medical vans</li> <li>Close monitoring of Health camps.</li> <li>Ensuring adequate quantities of medicine/disinfectants</li> <li>Making sure that there is no out break of water borne diseases/Malnutrition</li> <li>Co-ordination with the District Rehabilitation Committees, other line departments, NGOs /ICDS projects, village committee, PHD, RWSS, etc.</li> </ul>

### Roles and Responsibilities of the Superintendent of Police

PHASE	ACTIVITIES
Pre-Disaster	<p><b>Preparedness and Dissemination of Warning</b></p> <ul style="list-style-type: none"> <li>Reception of Warning from the DCR</li> <li>Communication establishment with District and Block/Tahasil Control rooms and departmental offices within the division.</li> <li>Alerting the APR force for deployment at the time of calamity</li> <li>To issue directive to police field functionaries to co-operate with Revenue Personnel in management of Relief operation.</li> </ul>
During Disaster	<p>Rescue and Evacuation:</p> <ul style="list-style-type: none"> <li>Clearance of roads and other means of transportation</li> <li>Traffic management and patrolling of all highways and other access roads to disaster sites</li> <li>Making sure that discipline is maintained</li> <li>Assistance to District authorities for taking necessary action against hoarders, black marketers and those found manipulating relief material</li> <li>Co-ordination with fire personnel.</li> <li>Provision of security in transit camps/feeding centers/relief camps/cattle camps/cooperative food stores and distribution centers</li> <li>Safe guarding of belongings of evacuees</li> </ul> <p>Distribution of Relief:</p> <ul style="list-style-type: none"> <li>Maintaining laws and order at the Shelters and the relief camps</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Coordination with military service personnel in the area</li> <li>▪ Deploying officers/ police personnel to record death cases</li> <li>▪ Assisting the community in organizing emergency transport</li> <li>▪ Assisting the District officials/NGOs in distribution of relief materials.</li> <li>▪ Providing escorts in transit of relief materials to the relief camps/affected areas.</li> </ul>
Post-Disaster	<ul style="list-style-type: none"> <li>▪ FIR of the disasters, the damages and the death cases.</li> <li>▪ Assisting in collection of damage statistics of private properties and distribution of assistance such as HB grant/ sand-cast subsidies.</li> <li>▪ Maintaining law and order</li> <li>▪ Close Coordination with District administration and local/external NGOs in reconstruction and rehabilitation process</li> <li>▪ Assisting the District authority whenever the need arises</li> <li>▪ Periodical visits to the affected areas to ensure law and order</li> </ul>

### **Roles and Responsibilities of the District Emergency Officer**

PHASE	ACTIVITIES
Pre-Disaster	<ul style="list-style-type: none"> <li>▪ Making sure that everything stays at place in the control room.</li> <li>▪ Seeing to it that the DDMP and the contingency plan for flood/cyclone reach all the line departments.</li> <li>▪ Receiving the Warning from SRC/OSDMA and crosschecking them with IMD and in websites for authenticity</li> <li>▪ Disseminating the warning to the block/Tahasil offices and asking them to disseminate further to reach each and every household.</li> <li>▪ Deploying the staff of the control room for round the clock alertness.</li> <li>▪ Making sure that all the shelters receive enough water and food stocks in advance</li> <li>▪ Establishing contact with all the line depts. Over phone, email, wireless, sat phone and VHF</li> <li>▪ Procuring all the required resources from all the possible sources.</li> <li>▪ Regularly updating the information received from the blocks</li> </ul>
During-Disaster	<ul style="list-style-type: none"> <li>▪ Coordinating with all the line departments for rescue and evacuation.</li> <li>▪ Checking the stocks with the DCR and asking for more if needed.</li> <li>▪ Distributing the relief materials to all the places.</li> <li>▪ Checking every bit of receipt and dispatch of relief items</li> <li>▪ Establishing round the clock contact with all the depts., BDOs and Tahasildars and with the shelters.</li> </ul>
Post-Disaster	<ul style="list-style-type: none"> <li>▪ Receiving the list of beneficiaries from different blocks and GPs</li> <li>▪ Crosschecking the list of beneficiaries to avoid fabrication</li> </ul>

## Roles and Responsibilities of the BDOs and Tahasildars

PHASE	ACTIVITIES
<i>Pre Disaster</i>	<p>Preparedness:</p> <ul style="list-style-type: none"> <li>▪ Providing authentic information required by the DCR</li> <li>▪ Preparing a record of previous disasters in the locality and analyzing the effects</li> <li>▪ Preparing hazard maps of the Block./Tahasil &amp; the GPs in minute details</li> <li>▪ Mapping the cut off areas with alternate route map.</li> <li>▪ Identification of shelter places in the maps</li> <li>▪ Keeping a List of storage Points &amp; facilities available, dealers of foodstuffs.</li> <li>▪ Keeping a list of vulnerable people and area and weak points on embankments (if applicable)</li> <li>▪ Creating a Control Room at the respective level and assignment of duties to the staff.</li> <li>▪ Pre-positioning of staff for site operation centers.</li> <li>▪ Uninterrupted communication with the DCR</li> <li>▪ Arrangement of alternative communication/generator sets, etc</li> <li>▪ Formation of GP/village level disaster committees and task forces</li> <li>▪ Arrangement of boats on hire available locally.</li> <li>▪ Deployment of Boat in the most vulnerable areas.</li> <li>▪ Organizing awareness camps at GP/village levels</li> </ul>
	<p>Dissemination of Warning:</p> <ul style="list-style-type: none"> <li>▪ Crosschecking with the DCR for the authenticity of the warnings</li> <li>▪ Arrangement or requisition of Jeeps/Trekkers/ Auto Rickshaw to disseminate received warning information's to the population of vulnerable / weak places</li> <li>▪ Dissemination of warning/ coordination with District control room.</li> <li>▪ Warning the people about probable affected areas</li> <li>▪ Mobilizing the people to leave for identified shelters with their domestic animals and personnel belongings.</li> </ul>
<i>During Disasters</i>	<p>Rescue and Evacuation:</p> <ul style="list-style-type: none"> <li>▪ Deployment of Police/Fire Brigade for search and rescue.</li> <li>▪ Co-ordination with civil defense/NCC/NSS/Rajya Sainik Board for rescue operation.</li> <li>▪ Ensuring availability of rescue materials.</li> <li>▪ Guiding the evacuees in the identified shelter places and arranging all common needs for them.</li> <li>▪ Provision of rescue kits.</li> <li>▪ Clearance of roads and water logging for restoring communication to affected GPs/Villages.</li> <li>▪ Assisting the District Team in every possible ways</li> <li>▪ Coordinating with the NGOs/CBOs for rescue work</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Mobilizing the local youth to help the rescue team</li> </ul> <p><b>Distribution of Relief:</b></p> <ul style="list-style-type: none"> <li>▪ Keeping the record of everything at the shelters</li> <li>▪ Arrangement of free kitchen in the shelter camps./worst affected areas.</li> <li>▪ Deploying staff for proper distribution of relief materials</li> <li>▪ Arrangement of communication system in the worst cut off areas.</li> <li>▪ Ensuring supply of safe drinking water &amp; health facilities in the effected areas/shelter camps.</li> <li>▪ Coordination with NGOs/Other voluntary organizations</li> </ul>
<i>Post-Disaster</i>	<p>Restoration and Reconstruction:</p> <ul style="list-style-type: none"> <li>▪ Collection of damage statistics of PR department properties /ICDS/school buildings etc.</li> <li>▪ Ensuring just distribution of HB grants and other financial assistance</li> <li>▪ Provision of temporary income generation activities for the worst affected people</li> <li>▪ Supervision of Relief operation and restoration work in the affected areas.</li> <li>▪ Restoring the transportation and educational institutions on high priority</li> <li>▪ Helping the local economic activities to come back to normalcy</li> <li>▪ Provision of grants/loans for the local traders and shop-keepers</li> <li>▪ Keeping liaison with District administration and other line departments</li> <li>▪ Ensuring coordination with the RI and G.P/Village committee.</li> <li>▪ .Co-ordination with NGOs/Civil society organization etc.</li> </ul>

### Responsibilities of other Line Departments:

DESIGNATION OF THE OFFICER	DUTIES TO BE PERFORMED IN NORMAL TIME.
Asst. Engineer, Electrical	<ul style="list-style-type: none"> <li>• He should see that the field staff checks the electrical line and replace old materials used in the power supply.</li> <li>• He should see that all had wiring in service connections are rectified.</li> <li>• He should enumerate the diesel sale available and his jurisdiction and keep it available.</li> <li>• He should see that the report regarding cyclone warning should be reported to other subordinate offices.</li> <li>• He should see that trees, branches etc. fall on electrical lines are out and removed.</li> <li>• The field staff should see that electrical supply in the places where cyclone may be serve is cut off.</li> <li>• The field staff should be in touch with local Tahasildars and inform the situation at frequent intervals.</li> <li>• To provide Diesel generators to hospital water works. Control</li> </ul>

	Room Collector's office in case of failure of powers.
Superintending Engineer Irrigation.	<ul style="list-style-type: none"> <li>• The branches to canal drain bandha to be closed.</li> <li>• The Embankments should be Strengthened.</li> <li>• It should be checked whether the passage bridge and channels are in good condition.</li> <li>• The obstruction in the canals if any should be got removed immediately to be enabling free flow of water.</li> <li>• The bocks and shutters of the canals are to be checked and satisfied that they are in good condition.</li> <li>• The instruments and materials etc. required attending to immediate repairs breach of closures etc. should be stacked at places where they may be required locating such places early.</li> <li>• Navigation in the canal should be stopped.</li> <li>• Water supply in to canals should be out off by closing the sluices.</li> <li>• The canals and drains should be free from constructing and they should be made available for free discharge of drain water.</li> </ul>
<i>Fire officers</i>	<ul style="list-style-type: none"> <li>• The Fire Engineers should alert and other vehicles should be kept in good working condition.</li> <li>• Materials required for use in emergency should be indented for and kept in reserve</li> <li>• Message received from public on disaster for help should be immediately attended.</li> <li>• Keep in touch with each of the other fire stations in the District.</li> </ul>
Executive engineer roads and buildings	<ul style="list-style-type: none"> <li>• Govt. buildings should be inspected and necessary repairs to be got executed to with standing hazards affected.</li> <li>• Script for slides, pamphlets, and cultural programmers should be got prepared immediately.</li> <li>• Arrangements should be made to obtain poster and films by addressing the Director through the Collectors.</li> <li>• Public addresses equipment should be obtain kept ready.</li> <li>• The community Radio sets available in the coastal villages should be ascertained</li> <li>• The names of Hamlets where they are not available to be reported.</li> <li>• The public should be fully educated regarding the precautionary measures &amp; after cyclone through available media.</li> <li>• Specific duties should be assigned to the field staff.</li> <li>• The field staff should proceed to the place of work allotted and be ready to attend to cyclone duty.</li> </ul>
RTO & MVI C.S.O. D.M.(Tel)	<ul style="list-style-type: none"> <li>• List of vehicles running condition to be requisitioned kept ready.</li> <li>• The MVI/Asst. MVI will report before A.D.M. (Relief)</li> <li>• The Asst. Engineer &amp; Jr. Engineers will remain alert.</li> <li>• Based on the experience on the previous cyclone sufficient no. of trucks should be procured and kept in District head quarters.</li> <li>• To contact all Block Control Room and Collector's Office.</li> </ul>

### **Local Authorities have the following duties:**

- i. To provide assistance to the District Collector in disaster management activities.
- ii. To ensure training of its officers and employees and maintenance of resources so as to be readily available for use, in the event of a disaster.
- iii. To undertake capacity building measures and awareness and sensitization of the community
- iv. To ensure that all construction projects under it conform to the standards and specifications laid down.
- v. Each department of the Government in a District shall prepare a disaster management plan for the District. The local authorities need to ensure that relief, rehabilitation and reconstruction activities in the affected area, within the District, are carried out.
- vi. Trust / Organisations managing Places of Worships & Congregation
  - a. Each establishment / organisation identified as —critical infrastructure and key resource
  - b. Including places of congregation in a District shall prepare —on-site and —off-site
  - c. Disaster management plan. Carry out mitigation, response, relief, rehabilitation and
  - d. Reconstruction activities.

### **Private Sector:**

- The private sector should be encouraged to ensure their active participation in the pre-disaster activities in alignment with the overall plan developed by the DDMA or the Collector.
- They should adhere to the relevant rules regarding prevention of disasters, as may be stipulated by relevant local authorities.
- As a part of CSR, undertake DRR projects in consultation with District collector for enhancing District's resilience.

### **Community Groups and Volunteer Agencies:**

- Local community groups and voluntary agencies including NGOs normally help in prevention and mitigation activities under the overall direction and supervision of the DDMA or the Collector.
- They should be encouraged to participate in all training activities as may be organized and should familiarise themselves with their role in disaster management.

### **Citizens:**

It is the duty of every citizen to assist the District Collector or such other person entrusted with or engaged in disaster management whenever demanded generally for the purpose of disaster management.

## 1.6 Plan for review and updating: Periodicity

The approved plan is to be implemented by the concerned line department. Each department needs to train their personnel so that they have the knowledge, skills and abilities needed to perform the tasks identified in the plan. Activities identified for each department at various stages of disaster should be followed judiciously. At the same time the plan to be reviewed periodically to determine whether the goals, objectives, decisions, actions and timing outlined in the plan led to a successful response. DM Plan requires regular improvement and updating at least once a year. The DDMP, 2019 prepared by the DEOC, Balangir will be upgraded every year and will continue to be done. The DDMA will sit at least twice a year to effect regular improvements or remove bottlenecks in the Disaster Management Plan.

The following aspects need to be considered while reviewing and updating the plan after the following events:

- a) A major incident.
- b) A change in operational resources (e.g., policy, personnel, organizational structures, Management processes, facilities, equipment).
- c) A formal update of planning guidance or standards.
- d) Major exercises.
- e) A change in the District's demographics or hazard or threat profile.
- f) The enactment of new or amended laws or ordinances.

The DDMP will be printed and circulated every year by the DEOC, Balangir to the line departments. The same will also be uploaded on District website and website of OSDMA for different stake holders. Awareness campaigns, capacity building and trainings are organized and such information on disaster preparedness is disseminated to all the stake holders. DEOC collect information on occurrence of disasters as well as render necessary advisory to the information seekers. The responsibility for the coordination of the development and revision of the basic plan, annexes, appendices and implementing instructions is assigned to DEOC under the guidance of District Magistrate/Addl. District Magistrate of the District.

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## **Chapter-2      District Profile**

### **2.1 Brief History**

Balangir District is situated in the western region of Odisha, in India. The territory comprising the District of Balangir was part of the erstwhile Patna State. The Patna State was an important State under the Chauhans since 14th century AD. The Chauhan rule ended with the merger of the State of Patna with Orissa on the 1st January, 1948. Sri Rajendra Narayan Singh Deo was the last ruler of the princely State of Patna. The ex-States of Kalahandi, Patna and Sonapur were combined together to form a new District called Balangir- Patana District on 1st January 1948. Subsequently, on 1st November 1949 the ex-States of Patna and Sonapur were separated and they together formed a new District called Balangir District with 4 subdivisions, namely Balangir, Patnagarh, Titilagarh and Sonapur. Later, Sonapur Subdivision was divided and Birmaharajpur Subdivision was formed. Sonapur and Birmaharajpur sub-divisions were separated from Balangir District to form a new District called Subarnapur with effect from 1st April 1993 vide Government of Odisha Notification No. 14218-DRC-44/93R dated 27.3.93 for the sake of smooth administration and developmental works. The present territory of Balangir District thus has only three subdivisions of Balangir, Titilagarh and Patnagarh. According to History, Balangir town was established by BalaramDeo, the brother of NarasimhaDeo. The town being founded by BalaramDeo was earlier known as Balaramgarh from which the name Balangir has been derived.

### **2.2 Geography**

#### **2.2.1 Location & Geographical Area**

The District of Balangir is situated in the western part of Orissa. The District finds its circumferential limits within 29°09" and 21°05" North Longitude and 82° 41' to 83°42" East Latitude and is situated in the valley of rivers Ang and Tel, which are having important tributaries like Lanth, Sonagarh and Suktel. The western and north western boundary formed by the magnificent range of hills known as Gandhamardan with an average height of 3000

feet which separates the District from Sambalpur and Kalahandi. It is surrounded on the North by Bargarh and Subarnapur, East by Subarnapur and Boudh, South by Kalahandi and West by Nuapada District. The state of Madhya Pradesh also remains in the western border. The total geographical area of the District is 6575 Sq. kms which is 4.74 Percentage to Total area of the State and 10<sup>th</sup> largest District of the state in term of its geographical area.

### **2.2.2 Climate**

The climatic condition of the District is generally hot (7<sup>0</sup>C to 48<sup>0</sup>C) with high humidity (79%) during March to June and cold during November to February. The monsoon generally breaks during the month of June. The average Annual rainfall of the District was **1128.07** mm in 2018 which is lower than the normal rainfall of 1289.8 mm with 62 rainy days.(Refer Table 1.2 of Volume II)

### **2.2.3 Cloudiness**

During the south-west monsoon season, skies are generally heavily overcast. In the summer and post-monsoon months there is moderate cloudiness, the afternoons being cloudier than the mornings. In other months the sky is mostly clear or lightly clouded.

### **2.2.4 Winds**

Winds are generally light to moderate. During the south-west monsoon season the winds are mostly from the south-west or west. In the post monsoon and cold seasons winds generally blow from the directions between the north and north-east. In the summer months, the winds are variable in direction.

### **2.2.5 Special Weather Phenomena**

Storms and depressions in the Bay of Bengal, during the monsoon season and in October pass through the District or its neighborhood and cause widespread heavy rain and strong winds. Thunderstorms mostly in the afternoons occur in the summer season and in October. Rain during the south-west monsoon season is also very often associated with thunder. Even though there has not been large variation from the normal rainfall, almost every year there is scarcity in some area or other on account of irregular distribution of rainfall. Recently this District has experienced cyclonic effect of “**PHAILIN**”, “**HUDHUD**” AND “**FANI**” in the month of October of the year 2013 and 2014 and in the month of May of the year 2019 respectively

## 2.3 Topography:

The District has two physiographic regions viz, hills of west and south and plains of north and east. The District forms a part of the crystalline soil region of the Deccan plateau. The western and southern part is in undulating plain, rugged and isolated with hill ranges rising in various directions, a lofty irregular hill range, forming a natural boundary to the west and North West.

## 2.4 River System

### 2.4.1 River System: Main Rivers and Tributaries

#### *Tel*

This river starts from the north-west of the District of Nabarangpur and flowing through the District of Kalahandi touches the border of District about 6 km to the west of Kesinga railway station. It crosses the boundary between the Districts of Kalahandi and Balangir for a considerable distance after which it enters into Balangir District about 3km south of Tusra and flows only about 8 km within the District. It then forms the boundary between this District and the District of Baudh till it meets the river Mahanadi at Sonapur. In fact excepting a course of about 8 km, the river forms the eastern boundary of this District. It had earlier no perennial source of water-supply, however, maintains a flow of water throughout the year due to release of water from Indravati Reservoir in Kalahandi District, sufficient to raise paddy and other crops during rabi season through lift irrigation points in Gudvella Block area. But during monsoon, the river Tel is the principal source of flood in Mahanadi. It receives surplus release of water from main reservoir of Indravati Dam project. The Tel finds mention in the Buddhist Jataka stories. In the Sera Vanijja Jataka it is called Telavaha.

#### **Tributaries of the Tel**

The Tel is fed by a number of tributaries of which those flowing inside the District of Balangir are the Undar, the Lanth, the Sungad and the Suktel. The Undar starts from Nuapada District and drains into the southern part of the Titilagarh subdivision. The Lanth (also called Barabhai Lanth) and the Sungad are local streams and take their rise from the north-western belt of the hills of the District. At the confluence of Sungad and Tel are found ruins of a medieval fort known as Kharligarh. The Suktel takes its origin from the slopes of the

Gandhamardan range and flows through the subdivisions of Patnagarh and Balangir. It meets the Tel a few miles south of its confluence with the Mahanadi in Subarnapur District.

### *Ong/Ang*

This river originates from the hills of Borasamber in the District of Bargarh and is fed by the streams flowing down the northern slope of the Gandhamardhan range. In Bargarh District, it first flows in northerly direction for a short distance and then swerves to the east in wide semicircular shape and enters the District of Balangir near Agalpur. It joins the Mahanadi a few miles up Sonapur town in Subarnapur District. A portion of its course forms the boundary between Sonapur and Balangir District. This river carries considerable volume of water during the rains, but it soon dries up in cold season.

## **2.5 Administrative Setup**

The Collector and District Magistrate is the administrative head of the District. For smooth administration, he is assisted by Additional District Magistrates, Sub-Collectors, Block Development Officers, Tahasildars, Deputy Collectors, and other Officers. Balangir consists of three Sub-Divisions viz. Balangir, Patnagarh and Titlagarh. One Sub-Collector is in charge of each Sub-Division. For the convenience of revenue administration, the District is divided into 14 tahasils viz. Patnagarh, Kantabanji, Titlagarh, Tushura, Loisinga, Balangir, Khaprakhol, Belpara, Bangomunda, Muribahal, Saintala, Deogaon, Puintala and Agalpur with one Tahasildar in charge of each tahasil. For development of rural areas consisting of 1794 villages in 285 Gram Panchayats, the District is divided into 14 Community Development Blocks with one Block Development Officer in charge of each Block. The number of inhabited villages is 1764 in 2001 and remaining 30 villages are found-inhabited. **(Refer Table 1.1 of Volume II)**

For maintenance of law and order, the District is divided into 18 police stations viz Patnagarh, Kantabanji, Titlagarh, Tushura, Loisinga, Balangir, Khaprakhol, Belpara, Bangomunda, Saintala, Turekela and Sindhekela, Puintala, Muribahal, Town PS, Larambha PS, Lathor PS and Energy PS. There are five Statutory Towns in the District viz. Balangir Municipality, Titlagarh Municipality, Kantabanji NAC and Patnagarh NAC and Tusura NAC. In order to look after the developmental activities in the urban areas of the District, one

Executive Officer has been kept in charge of each town. Besides, four villages viz. Bangomunda, Tushura, Loisinga and Badmal under respective Tahasils have been declared as non-statutory towns i.e. Census Towns during 2011 Census.

## **2.6 Demography:**

### **2.6.1 Population, decadal growth and Population Estimation**

In 2011, Balangir had population of 1,648,997 of which male and female were 830,097 and 818,900 respectively. In 2001 census, Balangir had a population of 1,337,194 of which males were 673,985 and remaining 663,209 were females. There was change of 23.32 percent in the population compared to population as per 2001. In the previous census of India 2001, Balangir District recorded increase of 8.63 percent to its population compared to 1991. Based on the existing Average annual exponential growth rate, total population of the District is expected to be **1,87,086** by 2019. (Refer Table 1.3, 1.4 & 1.5 of Volume II)

### **2.6.2 Households and Population distribution**

#### ***Rural Urban Division***

In 2011, Balangir had population of 1,648,997 which is 3.93 percent of the total population of the state. Out of the total Balangir population for 2011 census, a majority of 88.03 percent of population lives in rural areas where as it is only 11.97 percent lives in urban regions of District. These populations are accommodated in 414749 families (369273 families for Rural and 45476 families for urban areas). Further, average households size of the rural area and urban area are 3.93 members and 4.34 members per household against the 3.98 members per family of the District. Population density of the District stood at 251 people per sq. km. (Refer Table 1.3 Volume II)

#### ***Social Composition***

The District accommodated 17.88 percent of SC population, 21.05 percent ST population as against the state average of 17.1 and 22.8 percent respectively. In nutshell, about 39 per cent of the District population belongs to deprived communities who required special attention during various phases of disaster. It also shows that female population is marginally higher among ST where as it are lower among SC and other community. However, household size among Scheduled Caster is higher but not significant. (Refer Table 1.4 of Volume II)

### 2.6.3 Religion wise distribution of Population

The Census data shows Hinduism is professed by the majority of population in the District. Out of 1,618,175 populations, little over 16.18 lakh (98.13%) has returned themselves as followers of Hindu religion, 16,271 (0.99%) as Christians, 7,811(0.47%) as followers of Islam, 2,225 (0.13%) as Jain 565 (0.03%) as Sikh and 467 (0.03%) as Buddhist. In addition, over 3000 (0.21%) have reported professing other religions and faiths including tribal religions, different from six main religions in the District. **(Refer Table 1.6 of Volume II)**

### 2.6.4 Age Group

Age structure is one of the most important characteristics of population composition. Almost all population characteristics vary significantly with age. Age statistics form an important component in disaster risk analysis, as most of the analysis is based on age structure of the population. Figures reflected in the above table showed 11.38 percent of the population fall under 0-5 years (childhood), 11.38 percent under 5-14 years age (schooling age) and 10.67% above 60 years (Aging group). Thus, about 21 percent of the District population (0-5 and 60+ year) required special care in age dimension. On the other hand, 60% of the population falls under working age group who can productively engaged under various economic activities. **(Refer Table 1.8 of Volume II)**

### 2.6.5 Sex Ratio

With regards to Sex Ratio in Balangir, it stood at 987 per 1000 male compared to 2001 census figure of 984. In 2011 census, child sex ratio is 955 girls per 1000 boys compared to figure of 967 girls per 1000 boys of 2001 census data. There was net decrease of 12 female (1.24 percent) in child sex ratio compared to previous census. Moreover, the gap in Child sex ratio to total sex ratio increased during last decade. **(Refer Table 1.9 of Volume II)**

## 2.7 Literacy

Average literacy rate of Balangir in 2011 were 64.72 compared to 55.70 of 2001. If things are looked out at gender wise, male and female literacy were 75.85 and 53.50 respectively. For 2001 census, same figures stood at 71.67 and 39.51 in Balangir District. Total literate in Balangir District were 927,260 of which male and female were 545,672 and 381,588

respectively. In 2001, Balangir District had 638,048 in its District. Increase in female literacy and decrease trend in literacy gap among male and female are worth mentioning indicators of the District. **(Refer Table 1.10 of Volume II)**

## 2.8 Socio-Economic profile

### 2.8.1 Land Holding Pattern

The Agriculture Census, 2010-11 showed the District had 2, 49,561 farmers from 3, 69,273 rural households. Thus, it is expected that remaining 1, 19,712 (32% of the rural households) households are landless. Out of 2, 49,561 farmers, 71.27% (177870), 20.43% (50990), 6.58% (16413), 1.56% (3898) and 0.16% (390) are marginal, small, Semi-medium, medium and big farmers. Further average size of holding by size class is 1.11 acre in the District. Though there is no official data on share cropper but the Agriculture Census, 2010-11 reveals there are 797 otherwise operated holdings in the District. **(Refer Table 2.1 of Volume II)**

### 2.8.2 Agriculture and Irrigation

During 2018-19, the net shown area was **345475** hec. against the **358905** hec. cropping areas and **657500** hec. geographical area of the District. Irrigation potential created in the District is **64443** hec. The total production of Cash crop, Pulses, Oil seeds, and Vegetables were 487790 Qntl., 777940 Qntl., 243440 Qntl. and 4038440 Qntl. respectively. **(Refer Table 2.4 & 2.5 of Volume II)**

### 2.8.3 Consumption of Fertilizer

Though there has been considerable improvement in the use of fertilizers and other inputs, the rate of fertilizer use in the District still remains far behind the state average. During 2018-19 about 24835 MT fertilizers (NPK) were consumed in the District. **(Refer Table 2.6 of Volume II)**

### 2.8.4 Agriculture allied Sectors

#### *Fishery*

The District accommodated 3,892 fisherman households with 19246 populations. There were 3,661 nos. of private fish farms covering 3445.43 hect. and 3 nos of Govt. fish

farms covering 24.68 hect areas where 3960 farmers are involve the fish farming. Fisherman community used 145 boats in Pisciculture operation. **(Refer Table 2.9 of Volume II).**

### ***Horticulture***

In the District, 865 farmers have taken 450 ha. Horticulture plantation for both household's consummation and business purposes. **(Refer Table 2.10 of Volume II).**

### **2.8.5 Employment and livelihood**

Agriculture is the Prime livelihood option of the District. People of the District also adopt various economic activities to sustain their life and livelihood. In Balangir, 166565 persons were engaged as cultivators, 326416 people as agricultural laborers and 227620 person as wage laborer besides, 2369598 person engaged in animal husbandry, 19246 in Pisciculture, 3519 in registered business, 12263 in government services and 2397 persons are as living on alms. **(Refer Table 2.13 of Volume II)**

### **2.8.6 Workforce Participation Rate**

Census classifies workers as main and marginal workers. Main workers are those who participated in any economically productive activity for not less than six months during the year preceding the date of enumeration, and marginal workers are those who participated in any economically productive activity for less than six months during the reference period. In Census 2011, the workers' participation ratio in Balangir at 43.30 percent was slightly higher than 41.8 percent at the state level in 2011. The share of main and marginal workers in the total workforce is 24.39 percent and 19.31 percent respectively. Further, from the workers category, cultivators, agricultural labour, workers in households industries and other workers constitutes 23.11%, 45.30%, 3.98% and 27.71% respectively. Thus, the District has accommodated 56.30 percent non-workers. Moreover, worker to Non-workers ratio of the District is 1:1.28. **(Refer Table 1.11 of Volume II)**

### **2.8.7 Workforce Participation Rate - Male/ Female**

Gender plays a critical role in workforce distribution due to division of works which are more or less gender specific. Census, 2011 revealed that participation of male workers is 56.61 percent as compared to the female counter part (30.61 percent). Participation of female main workers is significantly lower i.e. only 8.53 percent compared to male i.e. 40.04 percent,

whereas participation of female marginal workers is higher i.e. 22.08 percent than male i.e. 16.58 percent. **(Refer Table 1.11 of Volume II)**

### **2.8.8 Industries and mining**

During the year 2018-19, numbers of major industries, MSME, Handicraft and Handloom were 6, 5246 and 2595 respectively in the District. These industries have engaged 37703 persons which play a critical role to meet the employment needs of people of the District. Out of which 11692 and 2595 are the handloom and handicraft artisans. **(Refer Table 2.12 of Volume II).**

### **2.8.9 Education**

Education is the prime agency which builds the capacity of a community to withstand in any type of disaster. In Balangir, 1325 Villages/ Habitations are having primary School within the village itself whereas 849 and 363 Villages/ Habitations having ME and High Schools within 5 KMs.. Number of teachers is 7608 and the Teacher Pupil ratio is 25.71. During last year, number of students enrolled at the age group of 6 to 15 years was 292431. **(Refer Table 3.1 of Volume II).**

### **2.8.10 Health**

The District health vulnerability snapshot shows Tuberculosis is one the major diseases in the District followed by Malaria and Diarrhea and Jaundice. Villages frequently affected by such diseases and cases of reported deaths are reflected in annexure 7.2 of Volume II. The District had 226 sub centers, 44 PHCs, 16 CHCs, 2 SDHs, 28 MHUs, 11 Ambulance, and a blood bank across the District. To run such medical establishments, 81 doctors, 699 paramedical staff, 327 ANMs and 1342 ASHA are extending their services in the District. In health indicator dimensions, the District has ensured Institutional delivery by 92%, immunization by 97%. But the District had an Infant Mortality Rate (IMR) of 34 and Maternal Mortality Rate (MMR) of 178 during 2017-18. **(Refer Table 7.1, 13.2 and 13.3 of Volume II)**

### **2.8.11 Housing**

The District has 414749 households as per Census, 2011. But this report has shown the status of 405981 households only. From the total household (405981), **330539** (81.42%) households have Kachha houses, 14529 (3.58%) households have Semi-Pacca houses and 60745 (14.96%) households have Pacca houses. Moreover, it is expected that about 168

households (0.041%) are houseless or staying with their parents. **(Refer Table 2.2 of Volume II)**

#### **2.8.12 Electrification**

Number of revenue villages partially electrified in the District is 1762. Only two villages namely Govasara & The lkobeda villages of Gudvela blocks are not yet electrified. Further, out of 414749 households in the District, 119782 (29%) households have been electrified and remaining 294967 households are expected to cover under various electrification scheme of the Government. **(Refer Table 4 of Volume II)**

#### **2.8.13 Drinking water and sanitation**

Safe drinking water facilities are available total 1764 villages of the District. The District has installed 18940 functional tube wells and 13 sanitary wells to ensure portable water to rural population. Besides, 536 PWS projects are functional in 575 villages which cover about 1.62 lakh population. But, 66 villages (35772 population) are affected by fluoride. In addition to this, 257 villages are having drinking water crisis during summer season. In sanitation dimension, 16171 households are covered under IHHL which also includes 54 ODF villages.

In Urban areas there are 1901 functional tube wells to cater the drinking water needs of the people. Besides, 5 PWS projects with 251.55 KMs supplied potable water to 8880 households. **(Refer Table 5.1, 5.2 and 5.3 of Volume II)**

#### **2.8.14 Migration**

Balangir is a migration prone District. Out of 14 Districts, people from 7 blocks migrate to nearby Districts or state and works in bricks knell from August to January. 35227 labourers from 7045 households (1.5% households) have migrated during 2018-19. Among the total migrants, 25 percent migrants are female. **(Refer Table 3.3 of Volume II)**

### 2.8.15 Food security

Under NFSA, 390090 families and 1339946 members are identified as the Priority households. To meet the food grain requirement of the beneficiaries covered under NFSA, the District had an allotment of 4833.20 Qntl of wheat and 73018,35 Qntl of rice. To ensure timely delivery of food grain, the District has 337 PDS retail outlay with 84250 Qntl. storage capacities. These storage points are being managed by CWC, OSWC and RMC. **(Refer Table 9 of Volume II)**

### 2.8.16 Social Security

In Balangir, 110717 persons have covered under various social security schemes. Among them, 48611 (27536 male and 21075 female) have covered under Old age Pensions, 48530 under Widows Pension and 13576 (7783 male and 5793 female) under Disability Pensions.

Sl. No.	Block	No. of Persons covered under Old Age Pension Scheme		No. of Persons covered under Widow Pension	No. of Persons covered under Disability Pension	
		M	F		M	F
1	Bolangir	1695	1386	3065	571	468
2	Puintala	1635	1096	2724	461	377
3	Deogaon	1281	1136	2417	441	424
4	Gudvela	1140	670	1805	352	255
5	Loisinga	1709	1516	3219	661	520
6	Agalpur	1682	1321	2996	398	255
7	Titilagarh	2096	1456	3548	549	295
8	Saintala	1621	1326	2940	449	368
9	Muribahal	1835	1384	3215	602	418
10	Bangomunda	1677	1317	2988	483	309
11	Turekela	2044	1307	3346	551	318
12	Patnagarh	2425	1756	4180	598	367
13	Kharakhhol	1567	1505	3071	418	386
14	Belpada	1994	1171	3163	175	168
15	Bolangir M	1264	1035	2292	401	356
16	Titilgarh M	642	617	1259	198	150
17	Kantabanji N	508	450	956	189	137
18	Patnagarh N	260	249	508	92	64
19	Tusra N	461	377	838	194	158
<b>TOTAL</b>		<b>27536</b>	<b>21075</b>	<b>48530</b>	<b>7783</b>	<b>5793</b>

## 2.9 Critical infrastructures

Infrastructure includes a number of structures that improve living conditions and commerce, including schools, hospitals, roads, banking systems is essential in any emergency situation. These infrastructures work a support services in the life of people in an area for their around development.

### 2.9.1 Anganwadi Centers

2660 AWC are operational in the District from which 1793 AWCs are having their own building which constitutes 67% of the total AWCs. In these AWCs, 159888 pre-school children have enrolled. Besides, 2963 children are found Severely Malnourished and referred. AWCs are also providing support to 2507 pregnant women and lactating mothers.

Sl.No	Name of the Block	Total No of Anganwadi Centres	No of AWC having own pucca building	No of Enrolled Children ( 0 to 6 yrs)	No of Severely Malnourished children Referred during the Year	No of Pregent/Lactating Mother
1	2	3	4	5	6	7
1	Balangir	226	129	14712	31	12
2	Puintala	191	103	9657	70	689
3	Deogaon	195	113	9222	189	353
4	Gudvela	110	90	5633	143	229
5	Loisingha	185	159	7273	242	459
6	Agalpur	182	130	7336	265	499
7	Patnagarh	276	225	15018	1200	0
8	Belpara	179	104	17300	188	55
9	Khaprakhol	170	120	12379	232	74
10	TITILAGARH	217	143	17657	184	44
11	Saintala	179	123	4237	133	34
12	Muribahal	202	139	11102	40	16
13	BANGOMUNDA	188	122	15274	15	35
14	Turekela	160	93	13088	4	8
		2660	1793	159888	2936	2507

## 2.9.2 Schools and other Educational Institution

S l	BLOCK	No of Villages / Habitations	No of Villages / Habitations having primary School within the village	No of Villages / Habitations having ME Schools within 5KM	No of Villages / Habitations having High Schools within 5KM	Num ber of Teac her	Teac her Pupil Ratio	No. of Colle ges	No. of ITI/ Polytech nic/ Vocatio nal Training Institute s
1	2	3	4	5	6	7	8	9	10
1	Agalpur	109	68	53	24	422	23.52	7	13
2	Balangir	124	117	83	37	605	21.42	20	0
4	Bangom unda	133	99	53	25	847	27.10	4	6 (3 Govt. + 3 Pvt.)
5	Belpada	105	82	71	25	678	28.79	6	0
6	Deogaon	128	75	74	26	509	22.47	6	1
7	Gudvela	93	57	46	14	318	19.57	5	1
9	Khaprak hol	116	100	53	25	525	28.54	6	1
10	Loisingh a	153	67	51	23	377	26.10	5	0
11	Muribah al	163	124	53	20	601	28.75	3	0
12	Patnagar h	164	120	81	37	757	24.10	11	0
14	Puintala	135	110	56	26	541	23.17	9	1

15	Saintala	141	100	71	29	595	22.62	7	0
16	Titilagarh	133	120	55	33	655	25.13	5	1
18	Turekela	103	86	49	22	468	36.00	5	0
<b>Total</b>		<b>1800</b>	<b>1325</b>	<b>849</b>	<b>363</b>	<b>7608</b>	<b>25.71</b>	<b>99</b>	<b>11</b>

### 2.9.3 Hospitals and Health Centers

There were one District headquarter hospital, 2 sub-divisional/other hospital, 15 CHC, 48 PHC (New) with 444 beds facilities, 14 Mobile Health Unit, 34 Ayurvedic hospital and dispensary and 18 homoeopathic dispensaries in the District during 2017-18 .(**Refer Table 13.2 of Volume II**)

### 2.9.4 Veterinary Hospitals

During 2017-18, Balangir District had 21 hospital and dispensary, 114 Livestock Aid center, 150 Dept. AI Institution, 13 functional Gomitra centers to provide veterinary service to the farmers. Besides, 15 BAIF Cattle Development Centre are functional in the District under “Kalyani” Programme. Besides, 24 veterinary doctors and 81 LIs are extending services to the people at various level which includes 114 LAC and 150 LI centers.(**Refer Table 13.4 of Volume II**)

### 2.9.5 Police and Fire Stations

The District had 18 police stations and 14 fire and disaster response service centers in the District.(**Refer Table 13.7 of Volume II**)

### 2.9.6 Cooperative Societies

During 2018-19, the District had 158 PACS with 189547 members. 26950.16 lakhs loan advanced to the farmers by PACS during the reporting period. Besides, 9431.70 Qntls. seed and 135403.40 Qntls. fertilizer were distributed to members of PACS. 2644299.81 Qntl. paddy has been procured by various PACS during KMS 2018-19.

Sl. No.	Block	No of PACS	No of farmers	Total quantity of Seed distributed during last year(in Qtls)	Total quantity of Fertilizer distributed during last year(in Qtls)	Total amount of loan distributed (amount in Lakhs.)	Total quantity of Paddy procured during previous season(K +R)in Qtls.
1	Gudvella	8	10994	747.80	12800.00	1054.97	168129.49
2	Deogaon	12	14816	900.00	3160.00	2436.39	261166.96
3	Balangir	14	13587	1295.20	24900.00	1692.83	269762.73
4	Puintala	14	17095	1340.00	26400.00	2817.48	376790.95
5	Loisingha	10	13110	531.00	14950.00	1835.01	140401.33
6	Agalpur	13	15288	1010.60	34500.00	2264.22	284217.62
7	Titilagarh	12	13172	450.00	1390.15	1176.31	173175.29
8	Muribahal	11	12584	295.00	675.60	1716.40	40885.67
9	Bangomunda	11	8760	153.00	1391.45	2048.02	102463.01
10	Turekela	9	8971	306.60	1113.40	2204.38	135111.90
11	Saintala	12	12651	1434.25	1662.45	1663.01	214457.62
12	Belpada	12	16503	349.15	2612.50	1738.58	110609.24
13	Patnagarh	13	19179	282.40	6807.85	2516.12	232667.30
14	Khaprakhol	7	12837	336.70	3040.00	1786.44	134460.70
	<b>Total</b>	<b>158</b>	<b>189547</b>	<b>9431.70</b>	<b>135403.40</b>	<b>26950.16</b>	<b>2644299.81</b>

### 2.9.7 Banks and Post offices

As on March 2018, there were 96 nos., 44nos. and 14 nos. of Scheduled Commercial Banks, Regional Rural Banks and Cooperative Banks in the District. Besides, the District had 287nos. of Post Offices including one District Post Officer at Balangir.

### 2.9.8 Road and Railway network

As on 2016, 159.29 Kms of National highways, 134.41 Kms of State highways, 134.41kms major District roads, 542.1 kms other District roads, 1391.60 kms of rural roads, 1335 Kms

G.P/PS roads, and 249.08 kms of forest roads are connected in the District. Besides, 193.3 kms and 13.8 Kms of single and double railway line with 14 railway stations are providing convenient communication facilities in the District. (Refer Table 12.1, 12.2, 12.3 of Volume II)

#### Cyclone and Flood Shelters

The District does not have any cyclone and flood shelters. But, the District used schools and BNRGSK building as temporary flood shelters.

#### 2.9.10 Rain gauge and Automatic Weather Stations

The District has 16 Rain Recording stations (14-Compulsary & 2-Optionals) to record the rainfall on regular basis. The recorded are updated in Odisha Rainfall Monitoring, a web based rainfall monitoring portal of Government of Odisha.

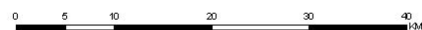
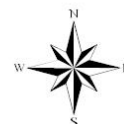
**Table 0-1 Rain Recording Station**

Sl	Rain Recording Station	Location	Contact No.
1	Agalpur	Block Office premises	06653-272028
2	Bangomunda	Block Office premises	06657-282242
3	Belpara	Block Office premises	06658-281025
4	Balangir	DDA Office (15)	06652-250792
5	Deogaon	Block Office premises	06652-284022
6	Khaprakhol	Block Office premises	06658-281025
7	Loisingha	Block Office premises	06653-272028
8	Muribahal	Block Office premises	06655-272010
9	Patnagarh	Block Office premises	06658-222230
10	Puintala	Block Office premises	06652-232098
11	Saintala	Block Office premises	06655-256021
12	Gudvela	Block Office premises	06652-286036
13	Titilagarh	Sub-Collector Office (16)	06655-220522
14	Tureikela	Block Office premises	06657-286001

## BOLANGIR DISTRICT



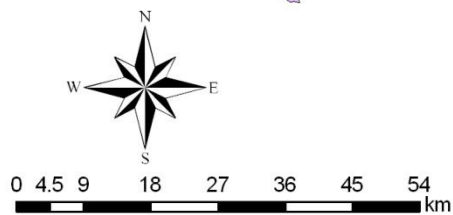
Legend	
<span style="color: red;">●</span>	District Headquarter
<span style="color: blue;">■</span>	Block Headquarter
<span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span>	District Boundary
<span style="border-bottom: 1px dashed blue; width: 20px; display: inline-block;"></span>	Block Boundary
<span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span>	Railways
<span style="border-bottom: 2px solid red; width: 20px; display: inline-block;"></span>	National Highways
<span style="border-bottom: 2px solid orange; width: 20px; display: inline-block;"></span>	Major Roads
<span style="border-bottom: 1px dashed orange; width: 20px; display: inline-block;"></span>	Other Roads
<span style="color: blue;">~</span>	Rivers/ Waterbody



# MULTIHAZARD MAP OF BOLANGIR DISTRICT



BOLANGIR



ODISHA



- |                        |                    |
|------------------------|--------------------|
| ● DISTRICT HEADQUARTER | W & C_M(B)EQ_LNFZ  |
| — DISTRICT BOUNDARY    | W & C_M(B)EQ_MNFZ  |
| W & C_HEQ_LNFZ         | W & C_VH(B)EQ_LFLZ |
| W & C_M(A)EQ_LFLZ      | W & C_VH(B)EQ_LNFZ |
| W & C_M(A)EQ_LNFZ      | W & C_VH(B)EQ_MFLZ |
| W & C_M(A)EQ_MNFZ      | W & C_VH(B)EQ_MNFZ |

W & C\_VH(B) = Wind and Cyclone Very High damage risk Zone B (50 m/s)

W & C\_H = Wind and Cyclone High damage risk Zone (47 m/s)

W & C\_M(A) = Wind and Cyclone Moderate damage risk Zone A (44 m/s)

W & C\_M(B) = Wind and Cyclone Moderate damage risk Zone B (39 m/s)

EQ\_M = Earthquake Moderate damage risk Zone III

EQ\_L = Earthquake Low damage risk Zone II

FLZ = Flood Zone

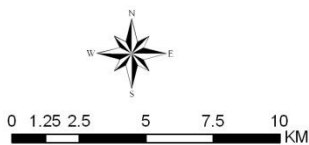
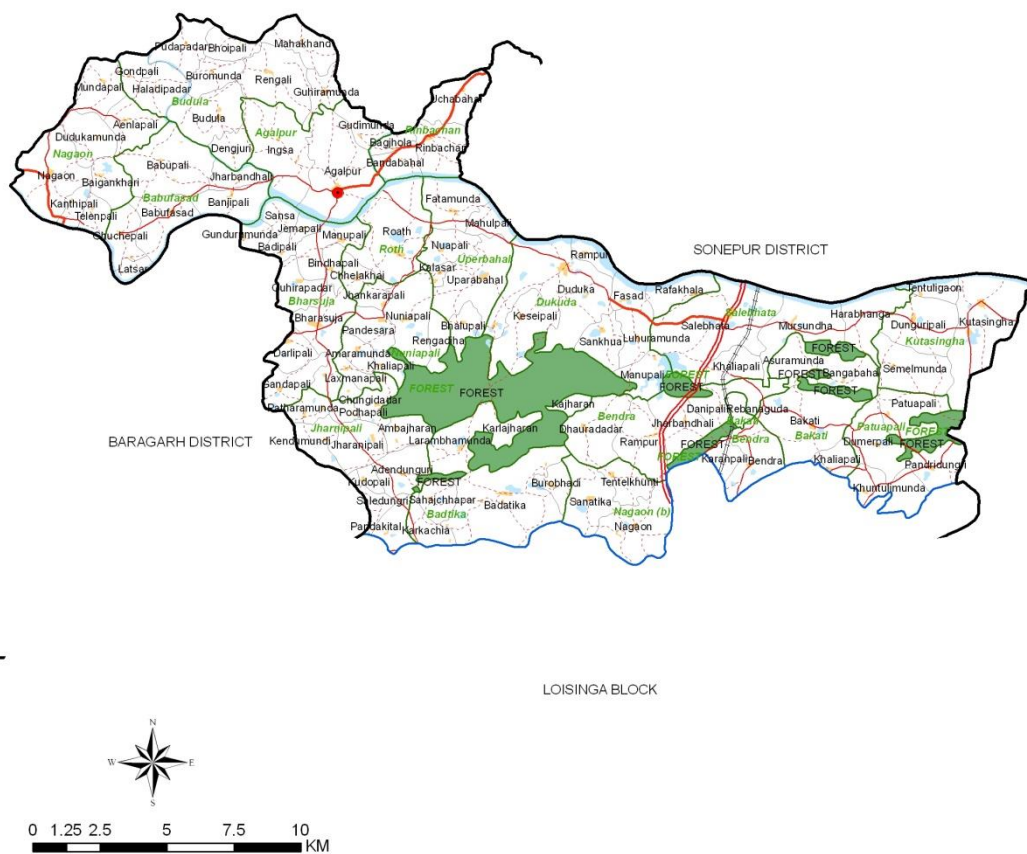
NFLZ = No Flood Zone

Source : Vulnerability Atlas, published by BMTPC  
Government of India

# AGALPUR BLOCK BOLANGIR DISTRICT



OSDMA



## ODISHA STATE

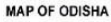


## BOLANGIR DISTRICT



## Legend

- Block Headquarter
- Railways
- National Highways
- Major Roads
- Other Roads
- District Boundary
- Block Boundary
- GP Boundary
- Village Boundary
- Rivers/ Waterbody
- Settlements
- Forests



**RIVER BASINS &  
MICRO WATERSHEDS  
BOLANGIR DISTRICT  
ODISHA**




## RIVER BASINS DETAILS

## 1.Mahanadi (Part)

824 Micro-Watersheds

**Agro-Climatic Zone**  
**Western Central Table Land**

## REFERENCE

-  Block Boundary
-  Basin Boundary
-  Catchment Boundary
-  Subcatchment Boundary
-  Watershed Boundary
-  Micro-Watershed Boundary



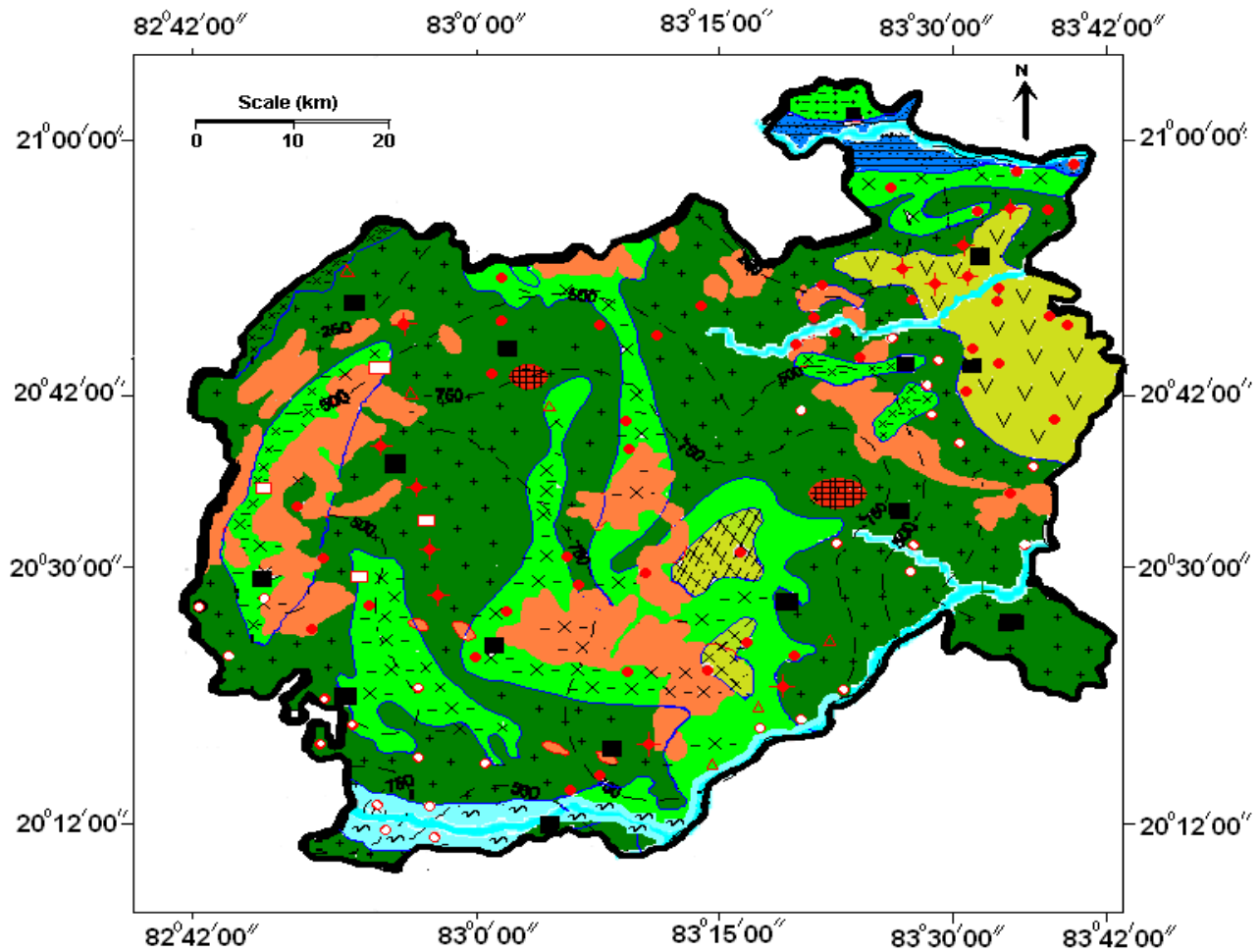
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INDEX MAP



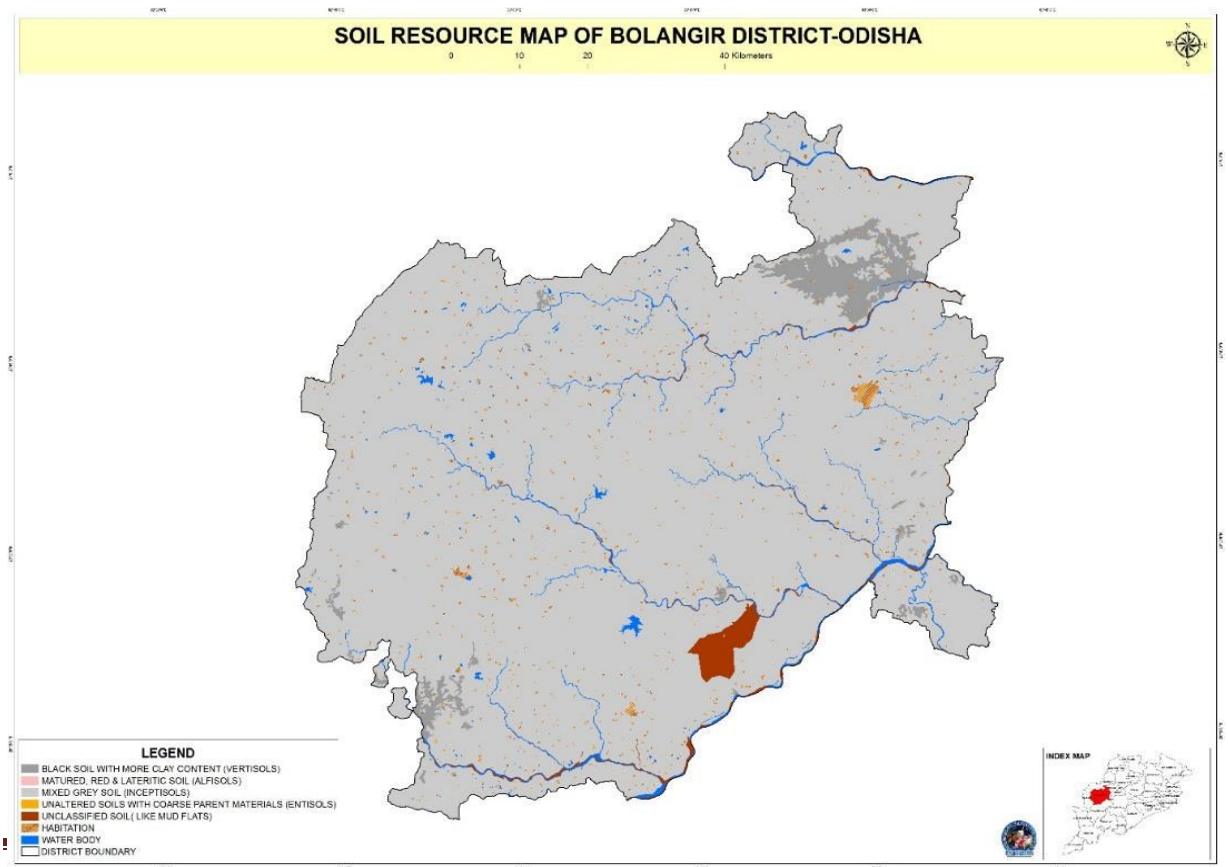
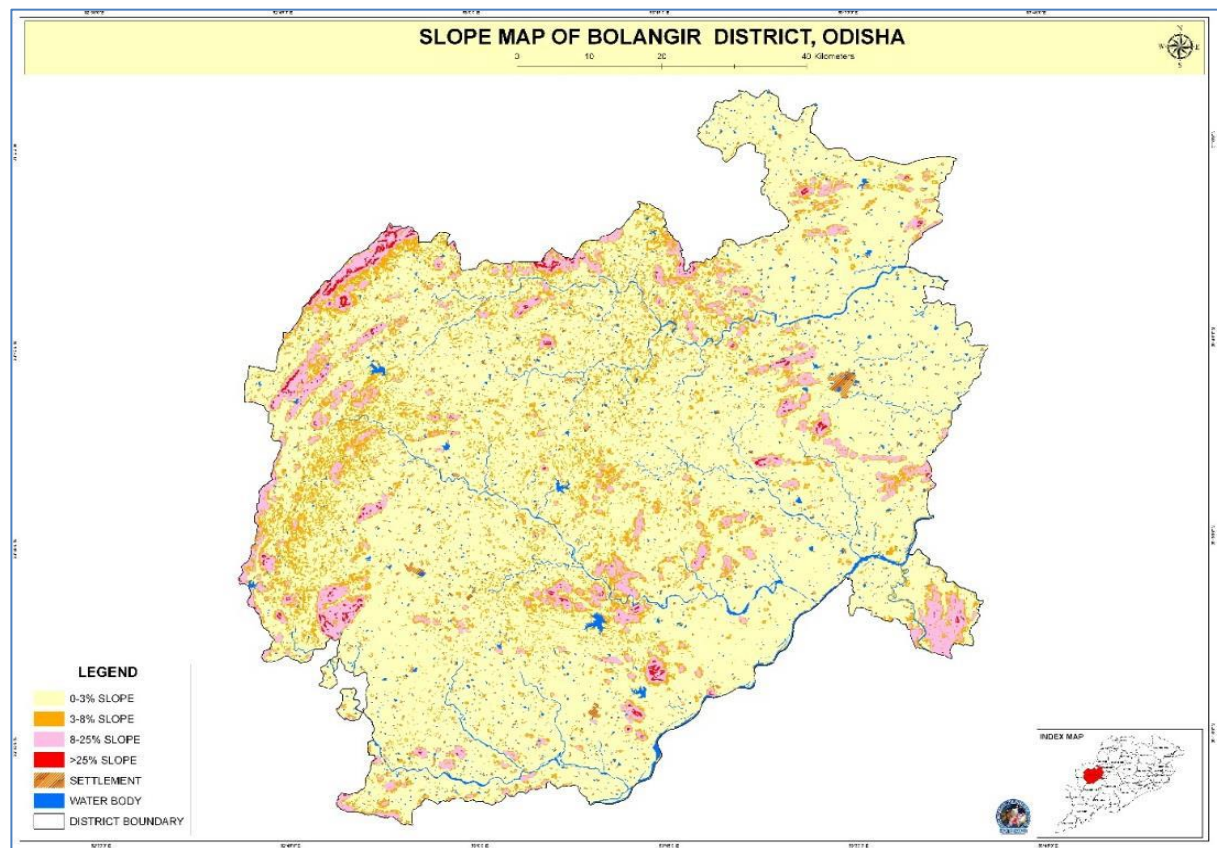


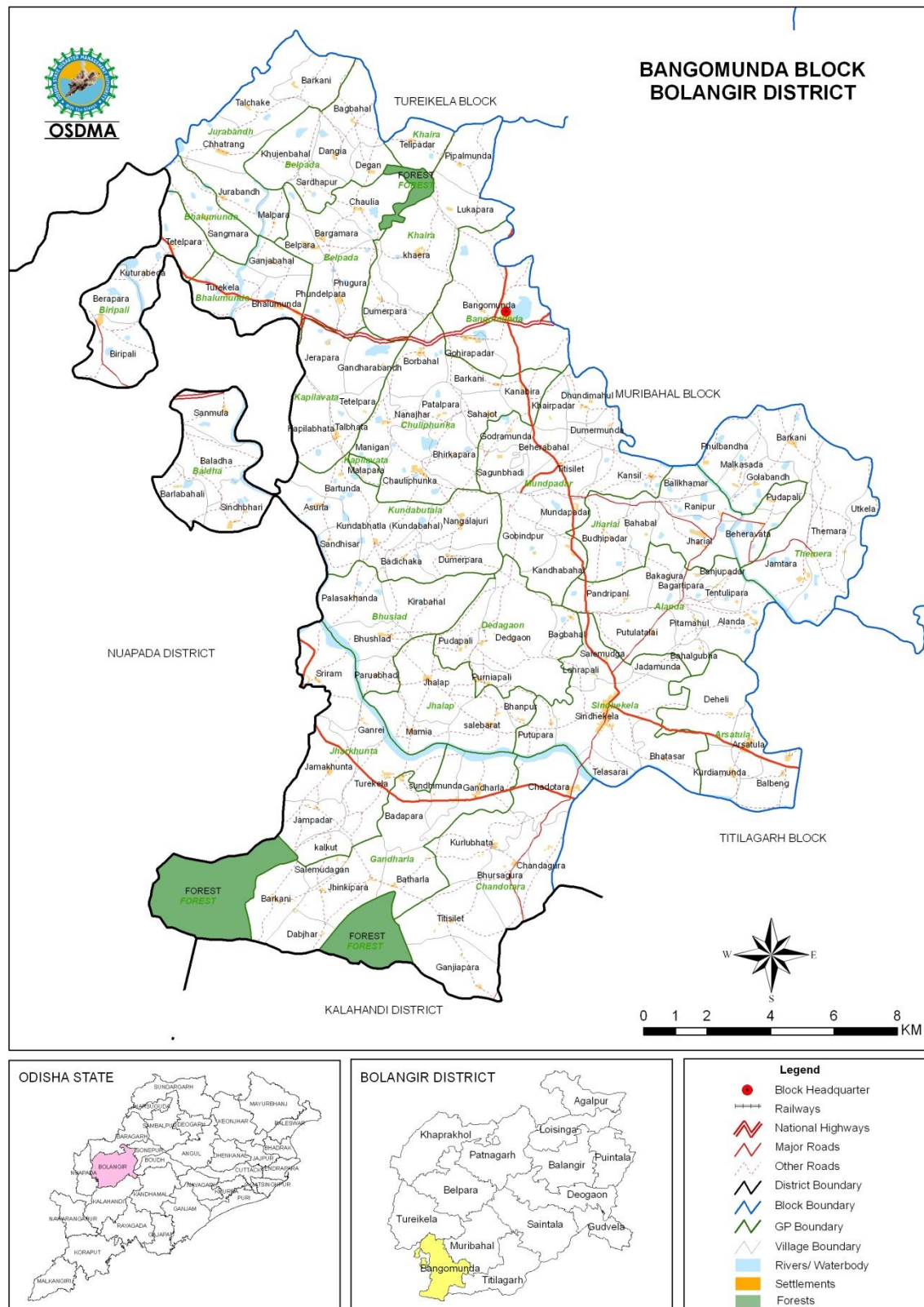
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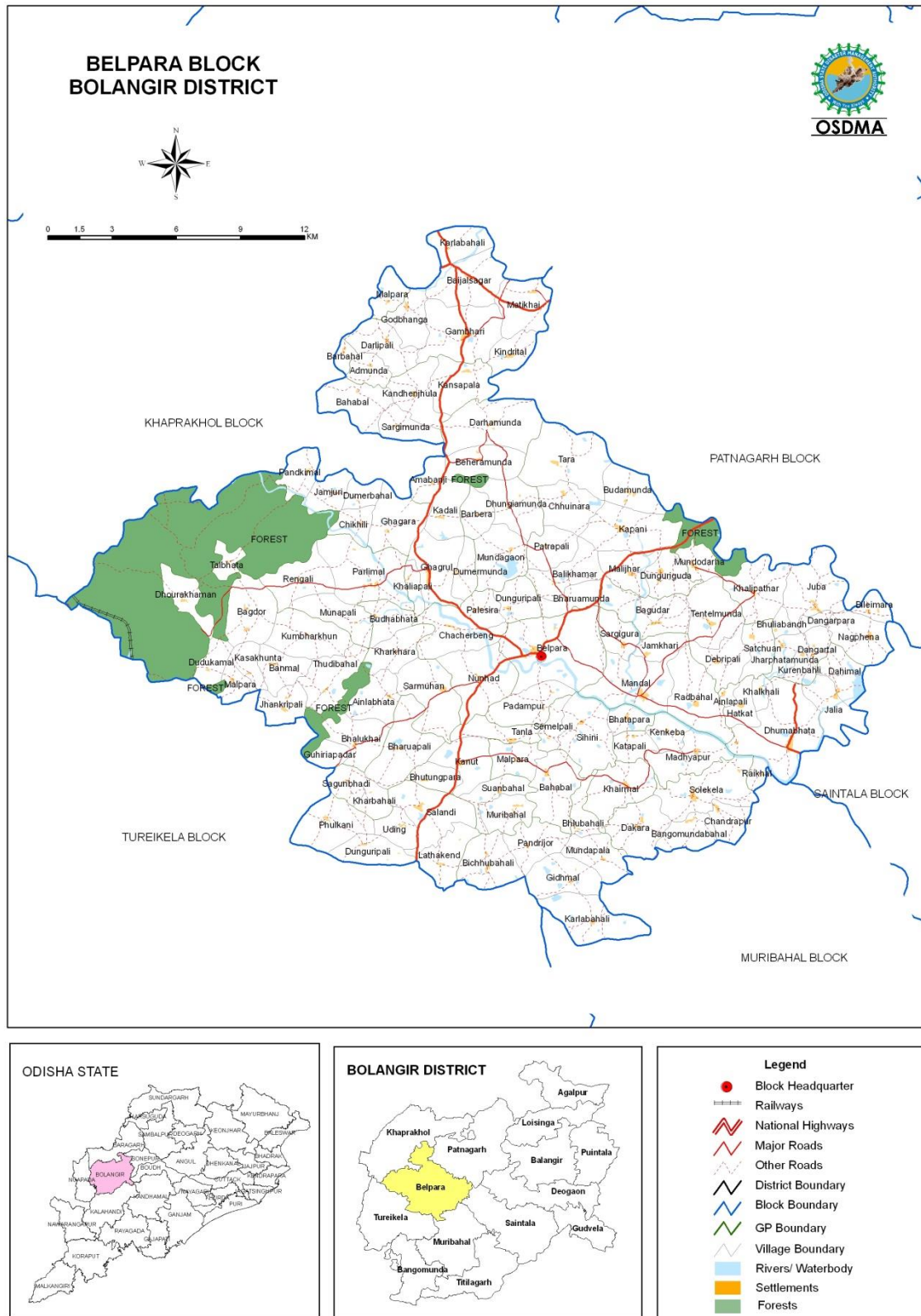
Age Group	Lithology	Index	Hydrogeological Conditions
Recent to Sub Recent	Alluvium		Flood plain, Unconfined aquifer, Yield 5 lps
Lower Gondwana	Sandstone, Shale Conglomerate		Moderately Thick, Discontinuous Confined to semi confined aquifer, Yield less than 5 lps
	Anorthosite/ Gabbro		Ground water is restricted to weathered residuum and fracture zones, low to moderate yield within 3 lps
Pre-cambrian	Charnockite		
	Bonai Granite / Quartzite		Ground water is restricted to weathered and fractured horizon. Yield upto 10 lps
	Khondalite & Calc silicate		
	Granite & Granite Gneiss		Most pervasive crystalline aquifer ground water occurs in weathered and fractured horizon. Yield upto 25 lps.
			Hilly Areas without Productive Aquifer except in pockets. Yield less than 1 lps
			Fluoride Contaminated Area
			EC Contour

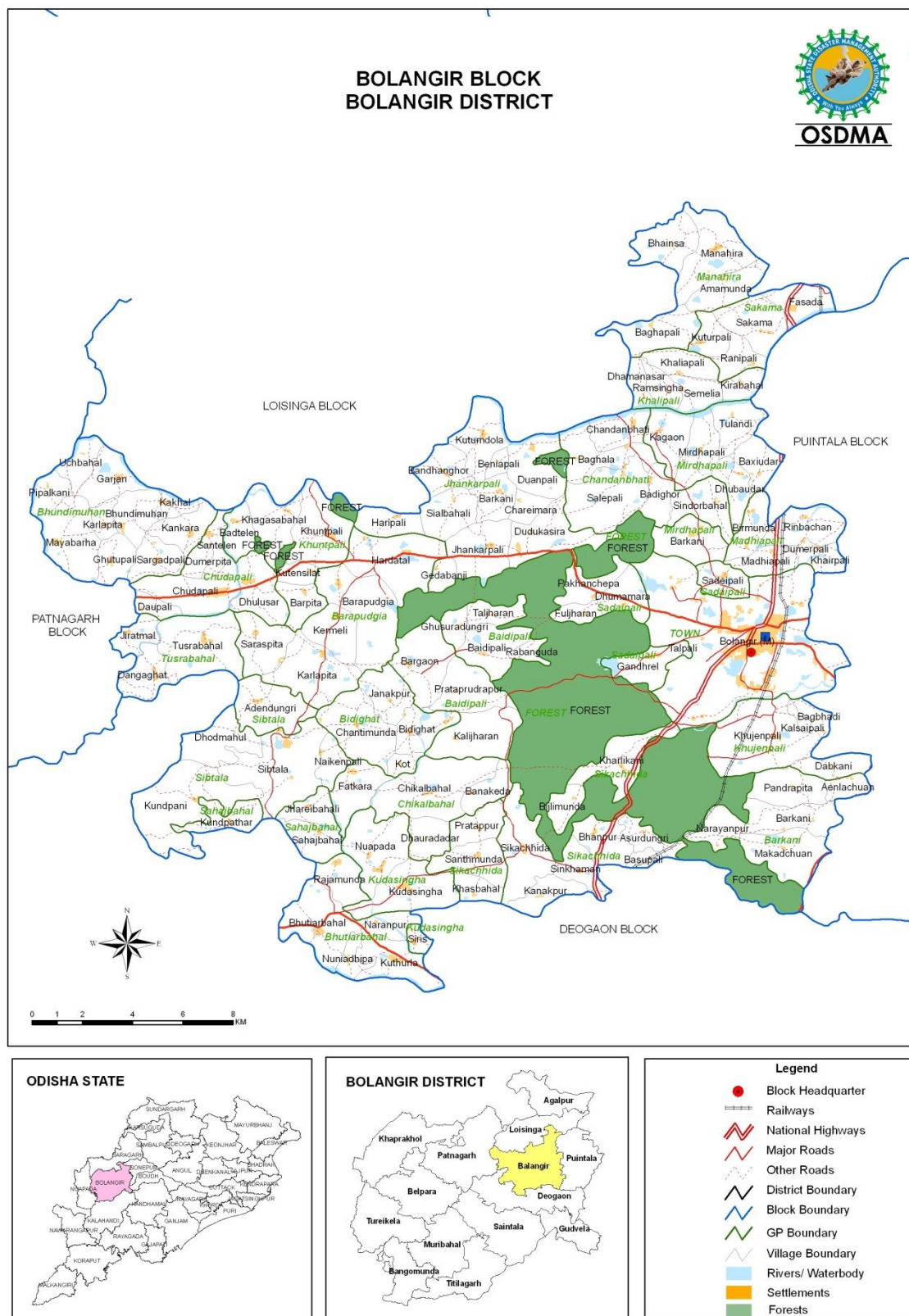
  

Discharge range of Bore holes	
	<1 lps
	1-3 lps
	3-5 lps
	5-10 lps
	>10 lps

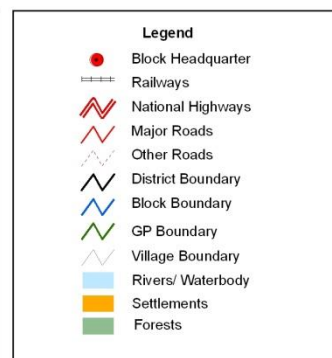
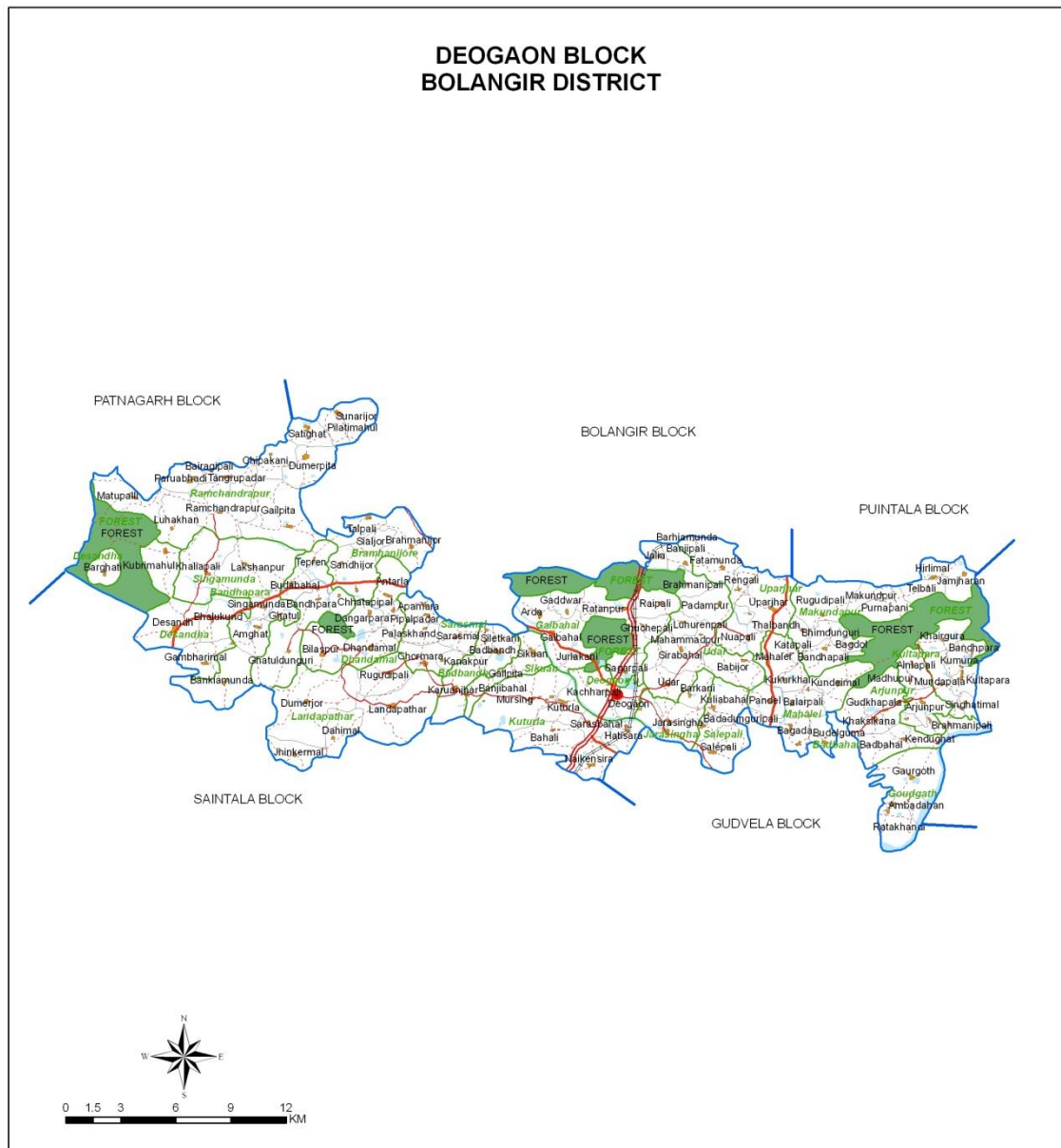








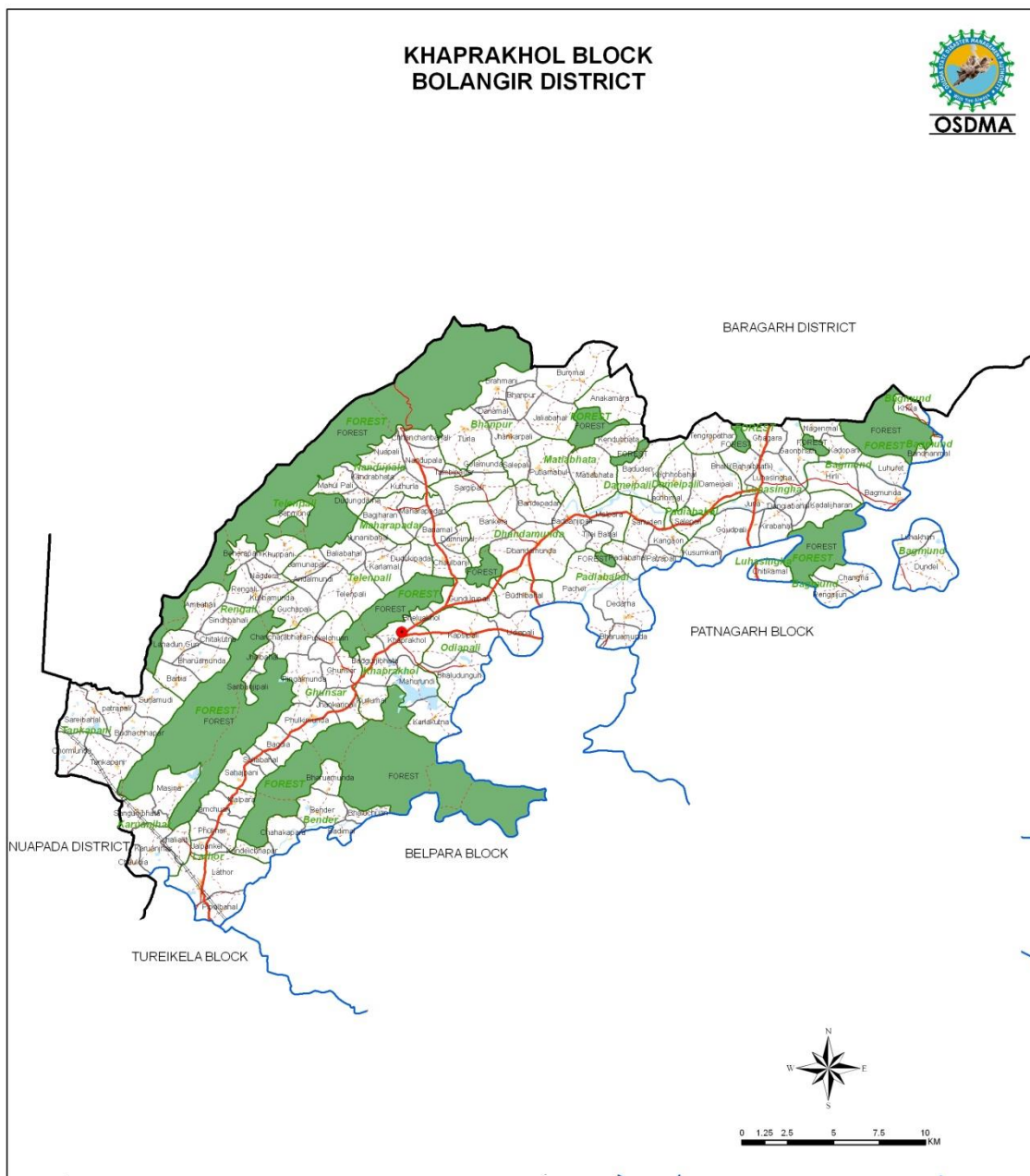
# DEOGAON BLOCK BOLANGIR DISTRICT

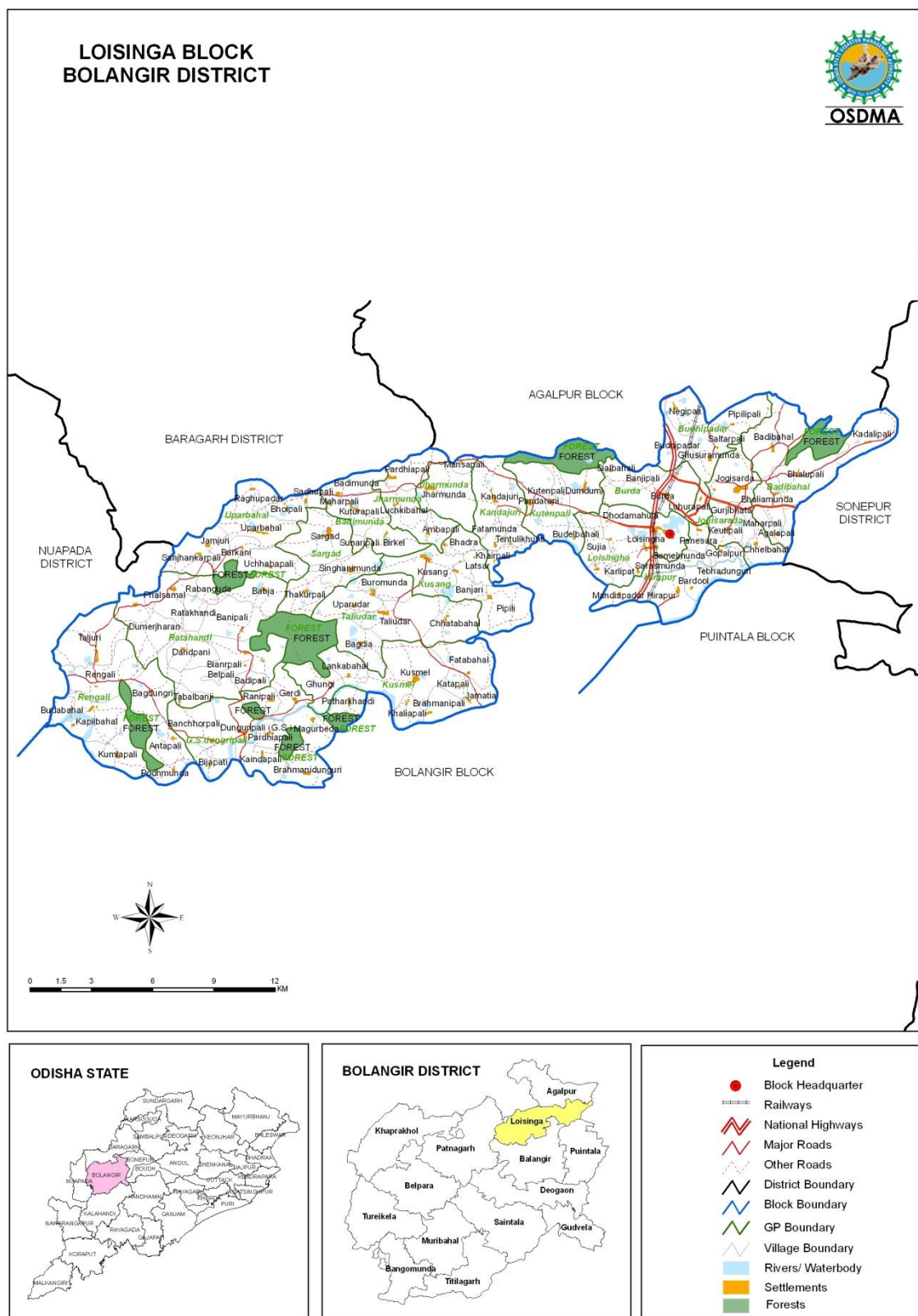


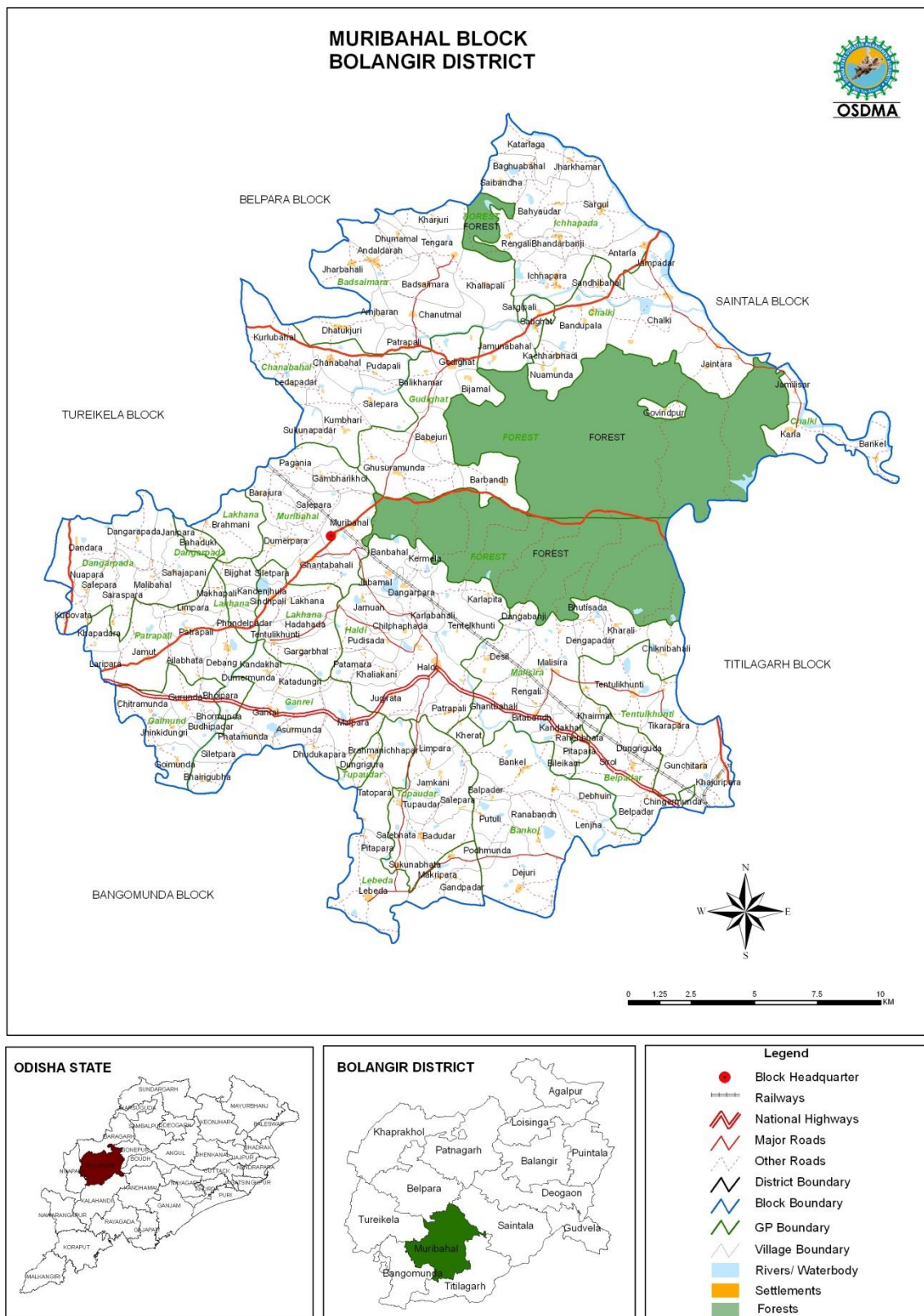


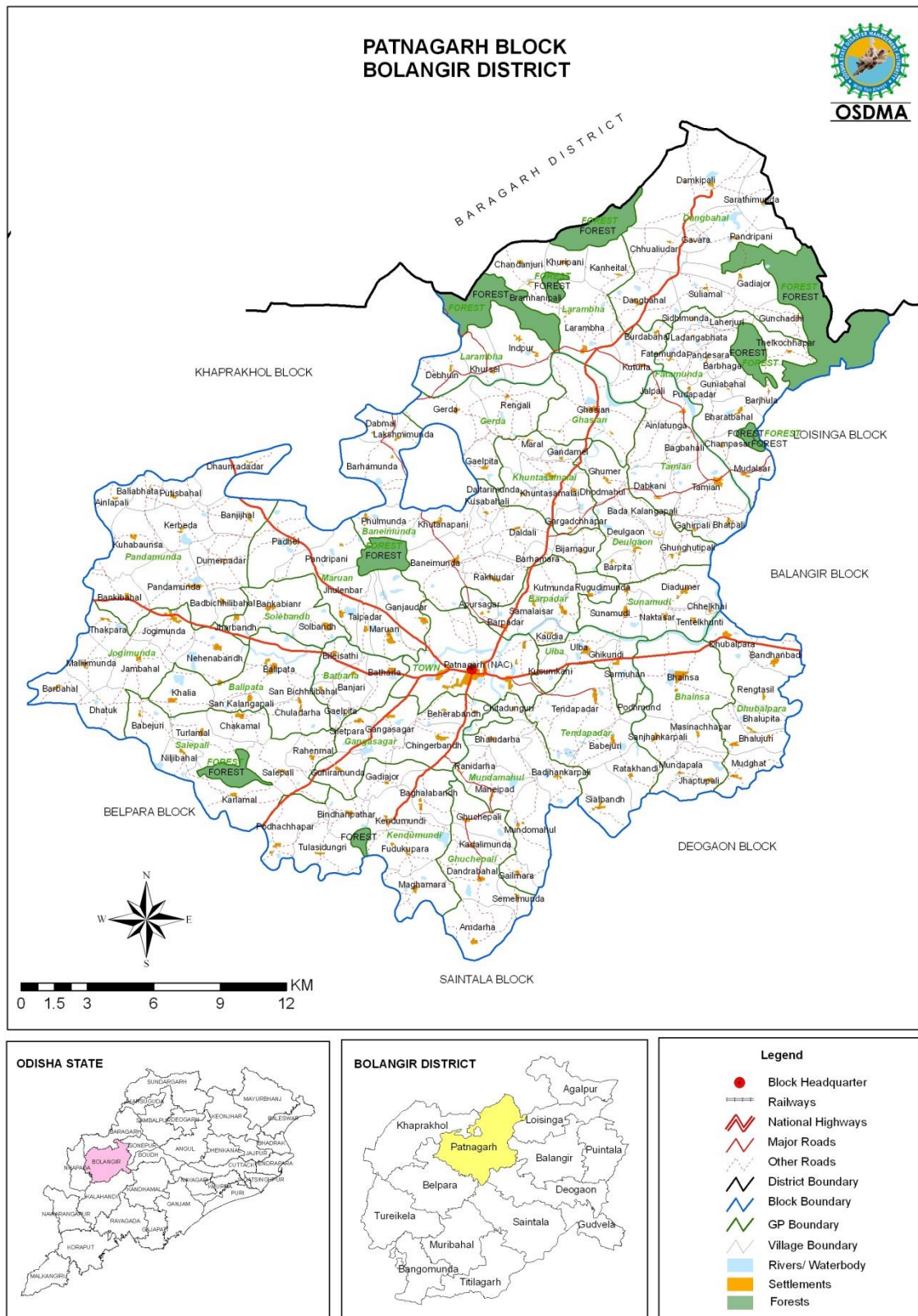
- Legend

-  Block Headquarter
-  Railways
-  National Highways
-  Major Roads
-  Other Roads
-  District Boundary
-  Block Boundary
-  GP Boundary
-  Village Boundary
-  Rivers/ Waterbody
-  Settlements
-  Forests

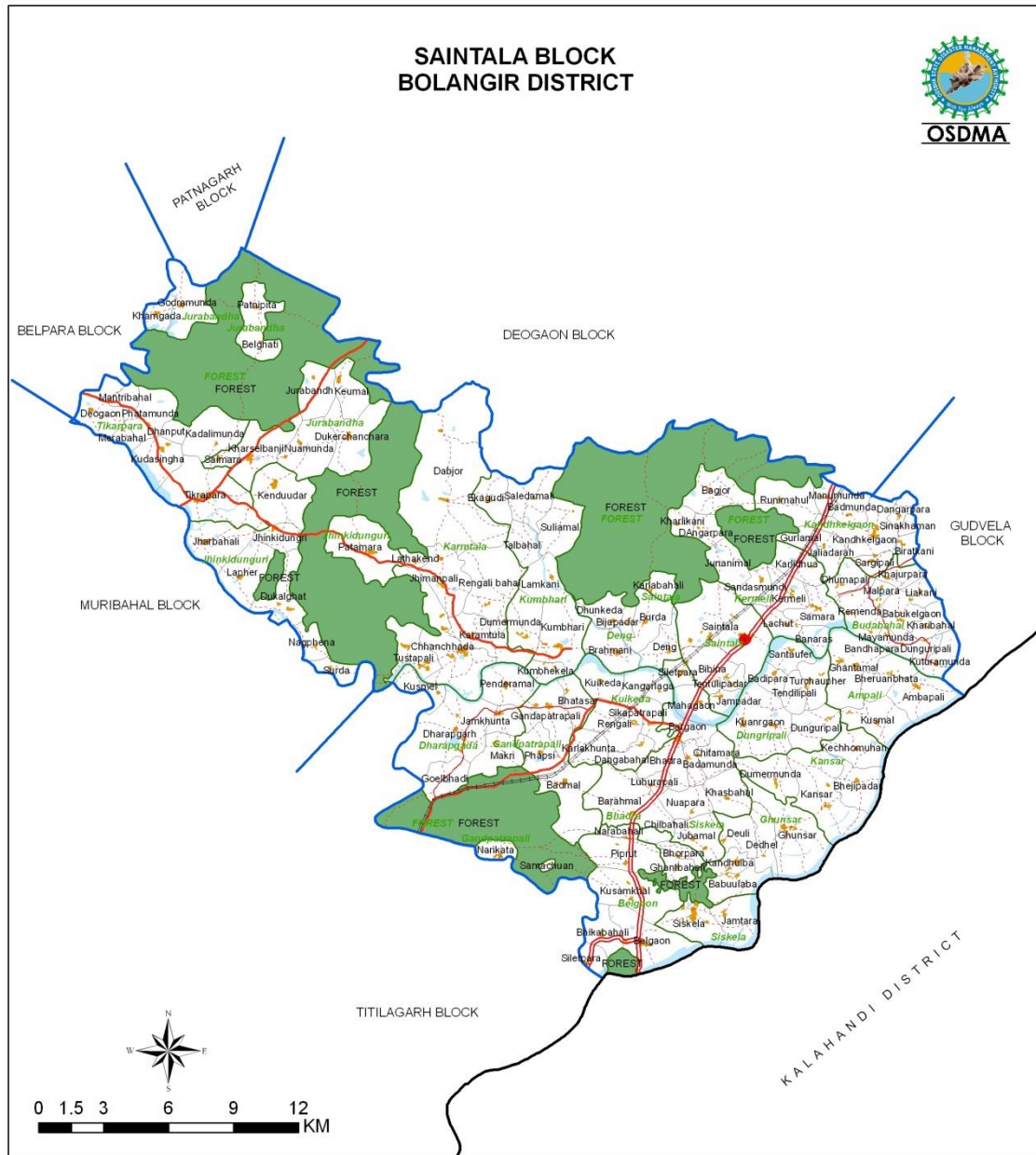


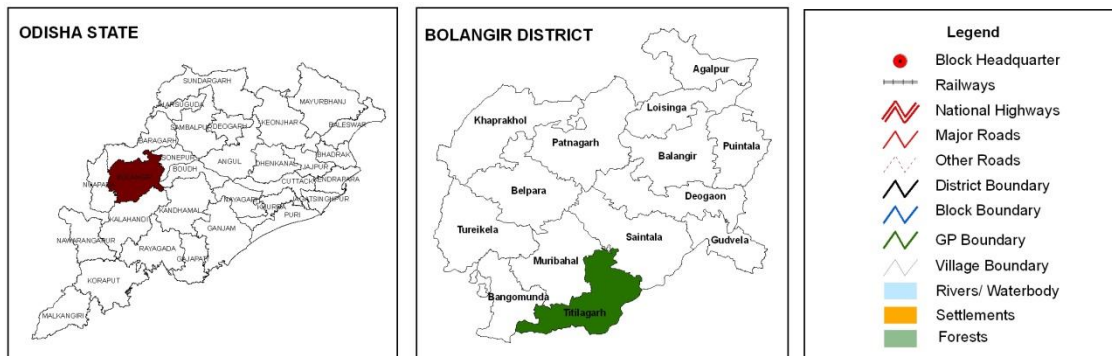
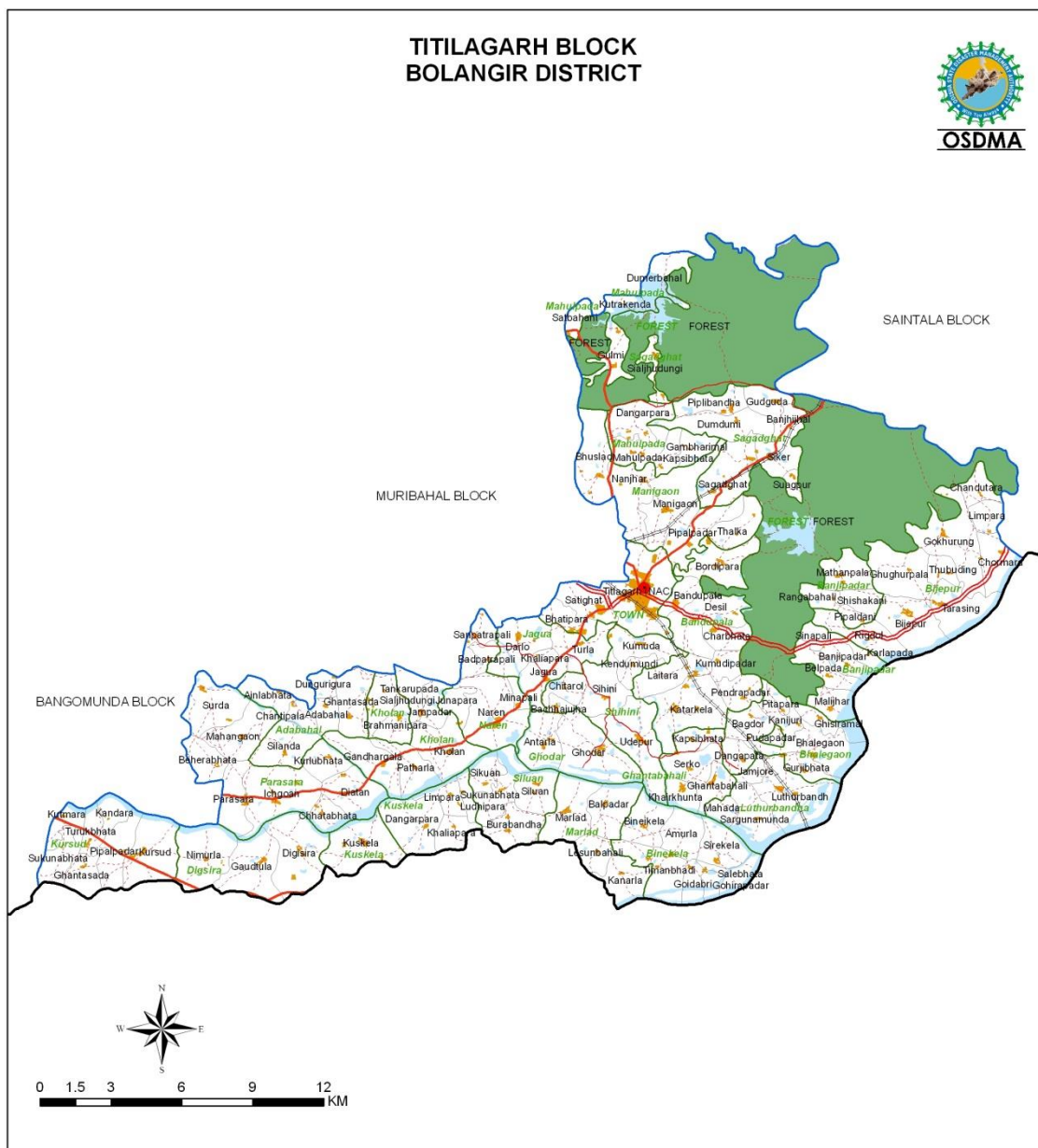


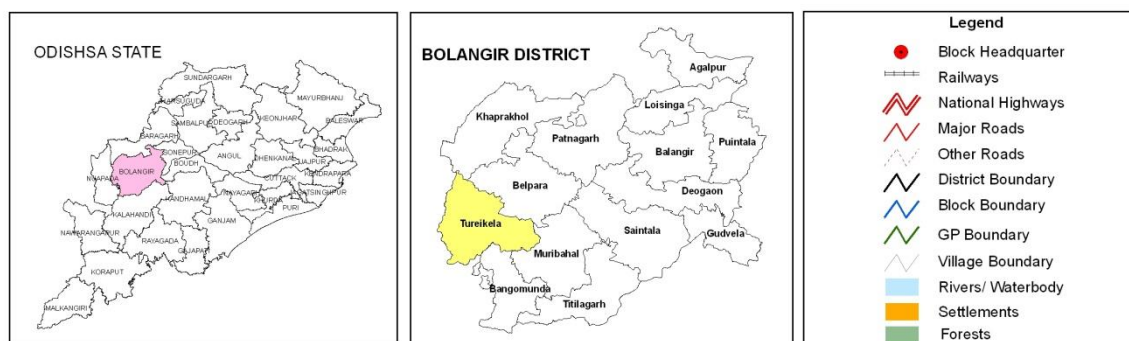
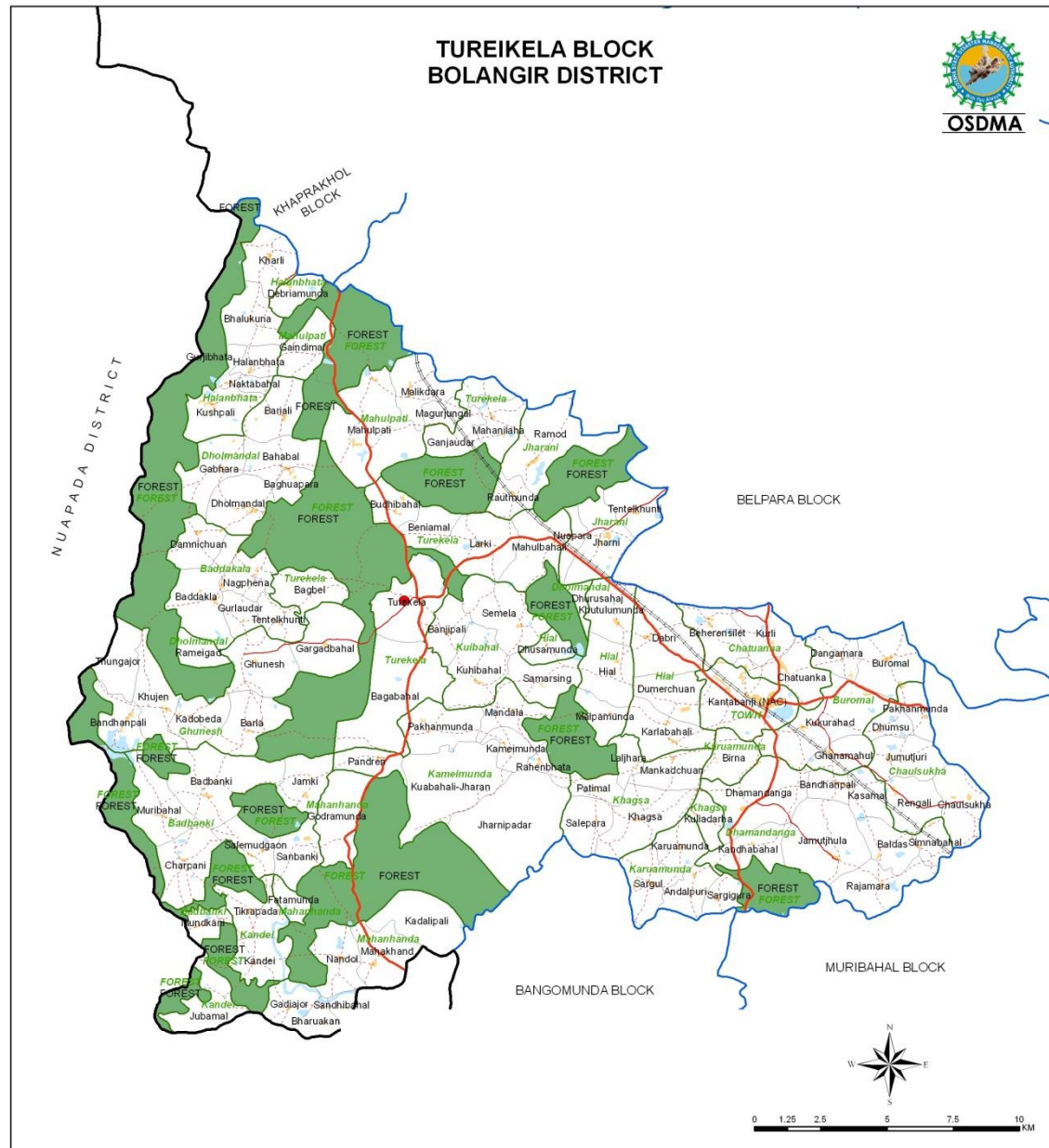












## Chapter 3: Hazard, Vulnerability and Risk Assessment

This chapter largely deals with the disasters that Balangir District experienced. Based on this, the vulnerability assessment of people and their income sources, infrastructure, crops, livestock resources, drinking water supply, daily necessities, communication and transportation system, public distribution, medical facilities and other elements has been done so that such elements can be safely shifted to, or to be taken care of before any unexpected disaster or during the disasters. This is the most important part of the plan.

### 3.1 Multi-hazard Profile of the District

In the recent past the District has faced drought during 1996,1998, 2000, 2002, 2009, 2010, 2011, 2015, 2017,2018 and Flood / Heavy rain during 2001, 2003 and 2014, 2018. During 2003, Gudvela block has received more than 300 mm of rainfall in a single day. Besides the district also experienced unseasonal rain during the year 2010, 2018 in which the entire district suffered a lot due to damage of standing paddy crop.

Besides, drought has become a perennial and recurring phenomenon in this region and the major cause of concern is that the frequency of drought is increasing rapidly in the current years so is the magnitude i.e. in every alternate year one can expect a drought like situation with a greater enormity. Almost 80% area of the district is prone to drought. More than 70 pc of the cultivable area is rain fed and as agriculture is the major source of livelihood, failure and erratic behavior of monsoon over consecutive years has had serious adverse impact on the socio-economic condition of the people living in these areas leading to drastic crop and livestock losses, large-scale migration, distress sale of household assets, starvation, malnutrition, acute drinking water shortage, school dropouts, child labour etc. These things have been highlighted in different Medias drawing national and international attention. Meager irrigation facilities, sloppy and undulating terrain, severely eroded and unproductive agricultural land, skewed land distribution, subsistence agriculture, depleted ground water resource and less diversified livelihood system has further compounded the problem. The

inter play of climatic and non-climatic factors in this region is becoming more and more complex, there by intensifying the impact of drought on the community.

### 3.2 Matrix of Past Disasters in Balangir district

In between 1974 to 2018 numbers of natural disaster have been reported in the past affecting the lives and livelihood of about 16 lakh people of Bolangir district. The district is frequently affected by drought in every alternative year. As agriculture is the mainstay of economy of the district, frequent drought occurrence severely affect the lives and livelihood of the people of the district.

**Table 0-1 List of Past Disasters**

<b>Year</b>	<b>Calamities</b>	<b>Year</b>	<b>Calamities</b>
1974	Drought	2007	Flood
1979	Drought	2008	Flood
1982	Drought & Flood	2009	Partially drought
1987	Drought	2010	Unseasonal Rain
1992	Drought	2011	Drought
1996	Drought	2012	-
1998	Drought	2013	PHAILIN
2000	Drought	2014	Heavy Rain
2001	Pests in Cotton	2015	Drought
2002	Drought	2016	
2004	Drought	2017	Drought
2005	Partially drought	2018	Drought/ Unseasonal Rain/Pest attack
2006	Flood		

### 3.2.1 Major Disasters/ Incidents during 2006-2015

This section described the disaster situation of the district during 2006 to 2015. Balangir district experienced various types of disasters. Though the district is reeling under the grip of drought since long time, it has been recently experiencing other disasters like flash flood, lighting, fire accident and heat wave. Poor drinking water, health and sanitation facilities in the remote villages often leads to the outbreak of epidemics like diarrhea, malaria etc. Various disasters took life of 198 persons during last 10 years. Among all disasters; drought, lightning, fire accidents, sunstroke, flood and epidemic (Malaria and TB) are prominent. A summary table showing types and disaster and their impact is given below.

**Table 0-2 Major Disasters/ Incidents during 2006-2015**

Sl	Disaster/ Incident	during (2006-2015)	No of Block	No of ULBs	No of GP	No of Villages	Affected HH/ Population	No. of Deaths	Livestock Loss	Houses Damaged	Damage to Infrastructure				Damage and loss of Crop Area (in Ha.)	Sand Cast (In Ha.)
											School/ AWC Buildings	Hospitals	Road in Km.	Other Critical Infrastructure		
Disasters as approved under SDRF/ NDRF Guidelines																
1	Flood		14	5	313	1437	355535	7	51	25492					39593	8802.8
2	Drought		14	5	285	1783	16.48 lakh								124792	-
3	Fire	302	9	0	0	298	647	6	99	617						

4	Hail Storm															
5	Cyclone															
6	Earth Quake															
7	Tsunami															
8	Landslide															
9	Avalanche															
10	Cloud Burst															

11	Pest Attack															
12	Cold Wave/ Frost															
<b>State Specific Disasters as per Notification No.1936 Dt. 01.06.2015</b>																
13	Lightning							91								
14	Heat wave							16								
15	Whirlwind							1								
16	Tornado															
17	Heavy Rain															

18	Boat Accidents (Other than during Flood)															
19	Drowning (Other than during Flood)							2								
20	Snake Bite(Other than during Flood)															
<b>Other Disasters</b>																
21	Animal Menace															
22	Building Collapse															
23	Stampede															

24	Epidemics		7			38	54484	75								
25	Industrial/ Chemical Accidents															
26	Road Accidents															
27	Railway Accidents															
28	Hooch Incidents															
29	Communal Riot															
30	Dam Break/ Spill Way related flood.															
31	Soil/ Coastal															

	erosion															
--	---------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NB: Year wise details of each disaster occurred during the last 10 years is at Table No14.1 Volume II of DDMP

### 3.3 Vulnerability and Risk Assessment related to disasters:

#### Flood

##### 3.3.1 Flood Vulnerable Area

Ang and Tel, though important ecological features of the district are prone to possible flood hazards. Agalpur, Gudvela and Titilagarh blocks are particularly flood prone. During monsoon, the river Tel is the principal source of flood in the district. It receives surplus release of water from main reservoir of Indravati Dam project. The Tel is fed by a number of tributaries of which those flowing inside the district of Balangir are the Undar, the Lanth, the Sungad and the Suktel. The Undar starts from Nuapada district and drains into the southern part of the Titilagarh subdivision. River Ang carries considerable volume of water during the rains for which it affects Agalpur block. Ang and Tel along with their tributaries caused flood in Balangir district. Further, the district has constructed only 98 Kms embankment out of 538 Km of requirement.

**Table 0-3 Flood vulnerable areas of the district**

Sl. No.	Name of the Block/ ULB	No. of susceptible Gram Panchayats	No. of susceptible villages/ Wards	Population in Nos.	Milch and Draught Animals	Houses	Vulnerable Infrastructure			
							School/ AWC Buildings	Hospitals	Roads (in Km)	Power Supply for All usage (D+A+C)
1	Agalpur	5	7	13276	8148	3560	14	0	5.81	12
2	Balangir	1	1	2921	1164	634	2	0	0.83	2

3	Bangomunda	1	1	481	1164	119	2	0	0.83	2
4	Belpada	4	4	7881	4656	1992	8	0	3.32	8
5	Deogaon	9	9	9767	10476	2548	18	0	7.47	12
6	Gudvela	7	16	12653	18624	3261	32	0	13.28	31
7	Khprakhhol	1	1	1220	1164	346	2	0	0.83	1
8	Loisingha	3	5	4907	5820	1226	10	0	4.15	6
9	Muribahal	2	3	2906	3492	732	6	0	2.49	6
10	Patnagarh	1	1	701	1164	181	2	0	0.83	2
11	Puintala	2	4	5626	4656	1309	8	0	3.32	6
12	Saintala	4	4	6995	4656	1930	8	1	3.32	5
13	Titilagarh	11	11	20416	12804	5317	22	0	9.13	16
14	Turekela	4	4	4716	4656	1233	8	0	3.32	8
Total		55	71	94466	82644	24388	142	0	58.93	117

**NB: Detailed list of vulnerable Villages/Wards is at table No. 14.2 of Volume II of the DDMP**

***Flood Causing Agent***

The flooding Balangir is, by and large, influenced by discharges of water from rivers. In the event of heavy rain in areas upstream of Tel and Ang, excess water is released downstream thereby causing floods in the downstream areas which resulting in partially marooned area in many blocks. Name of the rivers and numbers of villages may be marooned during monsoon are given below.

**Table 0-4Causing agent wise flood vulnerable areas of the district**

Sl. No.	Causing agent-Rivers/ Water bodies/Tidal Wave/ Others	No. of Susceptible Blocks/ ULB	No. of Susceptible GPs	No. of Susceptible Villages/ Wards	Vulnerable Population	Milch and Draught animals	Houses	Vulnerable Infrastructure		
								School/ AWC Buildings	Hospitals	Roads (in Km)
1	Lanth Left	1		17	15946	6307	3995	28	0	14.11
2	Length Right	1		8	7504	2968	1880	12	0	6.64
3	Tel	4		9	8442	3339	2115	14	0	7.47
4	Ang	1		4	3752	1484	1034	8	0	3.82
5	Suktel	5		21	19698	7791	4935	14	0	17.43
6	Sonegarh	2		16	15008	5936	3760	18	0	13.28
7	Bijilijore	1		2	1876	742	470	3	0	1.66
8	Mayabati Nallah	1		1	1232	410	235	1	0	0.91
9	Kurkuri Nallah	1		1	1123	210	310	2	0	0.98

10	Bhuasuni Nallah	1		1	905	191	268	1	0	0.89
11	Airi Nallah	1		1	938	371	235	1	0	1.2
12	Arjun Nallah	1		3	2814	1113	705	4	0	2.49
13	Nibrutijore	1		4	4362	1514	940	5	0	3.32

### ***Boat operation***

The district had 27 Boat Operating Points (***Ghats***) which functions during rainy season in six blocks of the district. Few among the ***Ghats*** connect to Kalahandi and Boudh districts where about 400 people set their journey every day. All boats operate in the districts are non-mechanised. Details of Boat Operating Points are presented below.

**Table 0-5 Boat Operation Points**

Sl. No.	Name of the Block	Name of the ghat/ boat operation point	Name of the water body	No. of Panchayats/ villages connected	Daily to and fro movement of people in Nos. (Approx.)	Type of boats operating in Nos.	
						Mechanised	Non- Mechanised
1	Gudvela	Demuhan Ghat	Khadang river	Keutipali of Boudh Dist.	13		1
2	Gudvela	Lattara Ghat	Khadang river	Kachherpali of Boudh Dist.	6		1
3	Gudvela	Jamut Satighat	Khadang river	Degam of Kantamal	12		1

				Block			
4	Gudvela	Tandigaon Ghat	River Tel	Porkela of Kalahandi Dist.	12		1
5	Gudvela	Turla Ghat	River Tel	Atgam	10		1
6	Gudvela	Dulikana Ghat	River Rahul	Bagbahal of Gudvela Block	12		1
7	Deogaon	Ratakhandi	River Tel	Ratakandhi Village	15		1
8	Deogaon	Amdahan	River Tel	Amghat Village	15		1
9	Deogaon	Kendu Ghat	River Tel	Kendughat Village	25		1
10	Saintala	Babulbha	River Tel	Belkhandi of Kalahandi Dist.	10		1
11	Saintala	Ampali	River Tel	Terisinga of Kalahandi Dist.	11		1
12	Saintala	Kusmel	River Lanth	Terisinga of Kalahandi	10		1

				Dist.			
13	Saintala	Badipada	River Lanth	Dungripali to Saintala	14		1
14	Saintala	Kansar	River Lanth	Belkhandi of Kalahandi Dist.	15		1
15	Loisingha	Kumianpali Ghat	Lower Suktel	Kakhal Ghat	20		1
16	Loisingha	Kapilbahal Ghat	Lower Suktel	Jharuapali Ghat	20		1
17	Loisingha	Podmund Ghat	Lower Suktel	Santelenpali Ghat	20		1
18	Loisingha	Kutumdol Ghat	Lower Suktel	Gedabanji Ghat	20		1
19	Loisingha	Phatabahal Ghat	Lower Suktel	Kutumdola Ghat	20		1
20	Loisingha	GS Dunguripali Ghat	Lower Suktel	Kaindapali Ghat	20		1
21	Titilagarh	Binekela	Under River	Udepur	15		1
22	Titilagarh	Sirekela	Under River	Sugunamunda	17		1

23	Titilagarh	Limpada	Under River	Kholan	20		1
24	Titilagarh	Sikuan	Under River	Naren	11		1
25	Agalpur	Manupali	Ong River	Agalpur	10		1
26	Agalpur	Harbhanga	Ong River	Digsira	10		1
27	Agalpur	Nagaon A	Ong River	Southkhandi	10		1

#### ***Effect of Flood on Agriculture and Infrastructures***

About 48395 hectare (334476 hectare of cultivable areas) would be affected due to high run off. It is experienced that floods damage standing agricultural crops and carry away the top soil making the land barren which further add stressed in the district. Effect of flood would be comparatively high in Agalpur, Gudvela, Deogaon, Titilagarh, Saintala and Loisingha blocks of the district.

**Table 0-6 Agriculture and Flood Vulnerability**

Sl. No.	Name of the Block	Cultivable Area (Hectares)		Area susceptible to Flood (Hectares)	
		Paddy	Non Paddy	Paddy	Non Paddy
1	Agalpur	14035	7610	39593(Crop loss)+8802 (Sand Cast)	
2	Balangir	9480	10605		
3	Bangomunda	12290	9940		

4	Belpada	16945	15773	
5	Deogaon	9530	10610	
6	Gudvela	6480	6601	
7	Khprakhhol	13130	13800	
8	Loisingha	10270	10905	
9	Muribahal	15669	11047	
10	Patnagarh	21714	17649	
11	Puintala	14332	7241	
12	Saintala	11115	9697	
13	Titilagarh	16298	8712	
14	Turekela	10674	12324	
Total		181962	152514	48395 (14.46%)

Source: DDA and DEOC Balangir

Table 0-7 Electrical Infrastructure

Sl. No.	Name of the Block	No. of Grid Stations	No. of 33/11 KV Substations	No. of Distributing Transformers			Conductor/ Electrical lines-11 KV or less (length in Kms.)	No. of Electrical Poles (Approx.)	No. of High Tension Towers (Approx.)	High Tension lines above 11 KV (length in Kms.)
				11 KV or Less	11 KV < and <60KV	60 KV and above				
1	2	3	4	5	6	7	8	9	10	11
1	Agalpur	0	2	483	4	0	287	3652	4	45
2	Balangir	1	6	468	13	5	417	4268	23	37.3
3	Bangomunda	0	1	200	0	0	268	4760		
4	Belpada	0	1	389	0	0	715.1	12248		50
5	Deogoan	0	1	301	2	0	327	3900	11	27.5
6	Gudvela	0	1	465	2	0	357	4345		18
7	Khaprakhol	0	1	390	0	0	504.19	8105		15.9
8	Loisingha	0	1	377	3	0	285	3410	16	25
9	Muribahal	0	1	372	0	0	653.51	10666		80
10	Patnagarh	0	3	673	0	0	973.16	16137		45.7
11	Puintala	0	1	474	2	0	325	3960	6	46.7
12	Saintala	0	2	527	0	0	776.03	12149		79
13	Titilagarh	0	3	683	0	0	1463.92	26261		136.2
14	Turekela	0	2	330	0	0	538.7	8377		35
Total		1	26	6132	26	5	7890.61	122238	60	641.3

Table 0-8 Drinking water and Flood Vulnerability

Sl. No.	Name of the Block	Total No. of Functional Tube Wells	Total No. of Sanitary Wells	Pipe Water Supply			
				No. of PWS	No. of Villages Covered	No. of Households	Length in Km.
1	2	3	4	5	6	7	8
1	Agalpur	1073	0	39	41	14191	
2	Balangir	1450	0	41	45	13415	
3	Bangomunda	1484	0	36	43	10558	
4	Belpada	1385	0	31	31	12471	
5	Deogaon	1346	0	52	60	13912	
6	Gudvela	880	0	30	31	5986	
7	Khaprakhol	1469	0	53	49	11296	
8	Loisingha	1414	0	30	35	10479	
9	Muribahal	1354	0	37	40	10217	
10	Patnagarh	1582	0	31	31	9837	
11	Puintala	1455	5	24	28	7529	
12	Saintala	1398	8	58	64	17490	
13	Titilagarh	1320	0	37	40	14714	
14	Turekela	1330	0	37	37	10029	
<b>Total</b>		<b>18940</b>	<b>13</b>	<b>536</b>	<b>575</b>	<b>162124</b>	

### 3.3.2 Whirl wind

Whirlwinds occur rarely in the district particularly during summer season. A bird eyes to occurrence of Whirlwinds showed that there had been a heavy blow of Whirl Wind on 21-05-2009 at Kermeli GP of Saintala Block uprooting many Big trees and massive damage to crops. The storage Godown of Kendu leaf also damaged and the entire leaves packet also totally loss. The electric polls were falling on the rail track causing disruption on Titilagarh- Balangir route. Almost all houses in the village is built in Bamboo and Nada, the whirl wind uprooting all their upper part of house and causing homeless to many people. Similarly, On.25-05-2009 there had been a heavy blow of Whirl Wind along with rain at Badgomunda GP of Gudvella Block uprooting many Big trees and massive damage to crops. The electricity poll at Buromal Village was broken causing disruption on electricity supply for 8 days. Further, a heavy blow of Whirl-wind was experienced on.24.05.2010 at Sindhbhadi under Kantabanji Tahasil in the district of Balangir.

### 3.3.3 Heat Waves

Titlagarh is reeling under a blistering heat wave. Titlagarh — which is locally known as *Tatlagarh* or *Sizzling place* for being a heat island — ranks among the hottest places in the country. It recorded 50.1 degrees Celsius on June 3, 2003. Existence of bald hills near by the town coupled with increase rate of deforestation and local bricks knell are the major cause of high temperature of the area. Surprisingly, temperature of Balangir sub-division has been increasing compared to Titilagarh sub-division. Following tables showed the trend of temperatures and relative humidity in the district. During the last 10 years, 16 persons have died due to sunstroke in the district.

**Table 0-9Trend of Temperature**

Year	March			April			May			June		
Station	Max	Min	RH%	Max	Min	RH%	Max	Min	RH%	Max	Min	RH%
2006												
Balangir	34	20	57	39	24	50	40	25	55	36	24	70
Titilagarh	35	18	48	39	19	73	41	19	75	38	18	55

2008												
Balangir	36	19	55	40	23	49	43	26	44	36	23	74
Titilagarh	35	18	44	39	18	43	44	16	34	34	*	71
2010												
Balangir	39	18	70	43	25	63	41	24	66	39	23	65
Titilagarh	38	23	47	44	26	38	41	26	58	39	26	60
2012												
Balangir	38.5	16.5	57.3	41	22	40.5	43	24	36.5	38	25	56.5
Titilagarh	*	*	*	*	*	*	*	*	*	*	*	*
2016												
Balangir	41	18.5	*	46	25.2	*	46	24	*	43.5	25	*
Titilagarh	41.3	18.2	*	46.5	21	*	46.5	18	*	41.5	19	*
2017												
Balangir	43.8	13.2		44.8	20.0		46.5	22.0		43.0	26.0	
Titilagarh	44.0	15.0		23.0	45.5		47.0	18.0		44.5	20.5	
2018												
Balangir	41.0	16.3		43.4	18.5		44.5	23.0		40.8	23.0	
Titilagarh	42.0	17.0		43.5	18.0		44.0	21.0		42.0	20.5	

Sources: <http://www.orienvic.nic.in> and DEOC

### 3.4 Drinking Water Crisis

In Balangir, 372 villages are having drinking water crisis during summer season. Besides, 66 villages are affected by fluoride which is one of the prime concerns of the district.

**Table 0-10 Drinking Water Crisis**

Sl. No.	Name of the Block/ ULB	Villages/ Wards without proper source of drinking water	Villages/ Wards having crisis of drinking water during summer season	Fluoride Contamination	Others Arsenic/ Saline/ Iron If
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		No. of Villages/ Wards	Population	No. of Villages/ Wards	Population	No. of Villages/ Wards	Population	any
1	Agalpur	0	0	8	20128	9	6729	0
2	Balangir	0	0	32	10693	10	6464	0
3	Bangomunda	0	0	10	13209	1	625	0
4	Belpada	0	0	5	22644	2	2017	0
5	Deogaon	0	0	5	30192	22	6303	0
6	Gudvela	0	0	31	10064	4	2365	0
7	Khaprakhol	0	0	7	16354	0	0	0
8	Loisingha	0	0	13	19499	0	0	0
9	Muribahal	0	0	13	11322	1	446	0
10	Patnagarh	0	0	26	14467	0	0	0
11	Puintala	0	0	19	7548	0	0	0
12	Saintala	0	0	12	15096	13	7461	0
13	Titilagarh	0	0	11	23273	2	2394	0
14	Turekela	0	0	49	19499	2	968	0

Total	0	0	257	233988	66	35772	0
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**Block wise village list is at Table No. 14.3 of Volume II of the DDMP**

### 3.4.1 Fire Accident

Accident of fire cases have been emerged in the district during summer. Linear housing pattern and high temperature increases the trend of fire accidents in the district. Among the all blocks, Puintala majority cases were reported in Puintala block.

### 3.4.2 Events/ Festivals/ Functions organized in the district:

The recurring stampedes at places of mass gathering including religious places and public events are great concern in the district. The district observed/organised few important events where probability of crowd is higher and required integrated and structural approach to avoid any eventuality. Following table showed the major events of the district where special care needs to be taken by appropriate authority.

**Table 0-11Event/ Festival/ Function**

Sl. No.	Name of the Event/ Festival/ Function	Place (Block & Gram Panchayat)	Duration of the event (in No. of days)	Month (as per English Calendar)	Strength of population gathering (Approx.)	Remarks(other vulnerabilities associated with the place/ event, if any to the mentioned)
1	<b>Patkhanda Jatra</b>	<b>Jarasingha, Deogaon, Balangir</b>	5 days	September – October	20,000 – 30,000	The village of Jarasingha situated 5 miles from Tusra and two miles from Deogaon is famous for the Patkhanda Jatra which takes place in the month of

						`Aswina', from 8th to 10th day of the bright fortnight.
2	<b>Nrusimha Chaturdasi Jatra</b>	<b>Harishankar, Khaprakhol, Balangir</b>	3 day	April-May	50,000 – 1,00,000	This festival is observed on the 14th day of the bright fortnight of `Baisakh' at Harisankar, a peak of the Gandhamardan range
3	<b>Sithalasasthi</b>	<b>District Headquarter, Balangir</b>	2 day	May-June	50,000 – 1,00,000	The festival is held in the month of May end and June 1st week (6th day of the bright fortnight of the Odiya calendar Jestha month
4	<b>Dhanujatra</b>	<b>Bhaler, Puintala, Balangir</b>	7 day	January	10,000 – 20,000	This festival is being celebrated in the month of December-January (during Puoshapurnima time).
5	<b>Balangir Lok Mahotsav</b>	<b>District Headquarter</b>	4 days	January- February	50,000 – 60,000	This is being organize at district level to spread the local tradition and cultural
6	<b>Sivaratri</b>	<b>Titilagarh, Balangir</b>	3 days	February-March	10,000 – 20,000	The Sivaratri festival is widely observed in India on the 14th day of the dark fortnight of `Falguna' in honour of Lord Siva.

7	<b>Sulia Jatra</b>	<b>Khairguda, Puintala, Balangir</b>	1 day	December – January	10,000 – 20,000	Sulia Jatra is celebrated in the village of Khairguda, situated in Balangir district, Western Odisha. It is widely reported that thousands of animals and birds are sacrificed during this festival
	<b>Dussehra</b>	District Headquarter, Balangir	7 days	September	20,000 – 30,000	This is being organized at district level during Bijaya Dasami

### 3.4.3 Lightning:

Lightning has evolved as a one of the major disaster in the district. Since last 5 years, 105 death cases were reported in 98 lightning events. Information of such 90 villages are presented below which would help to create awareness in those villages to protect the people from the dangers of lightning.

**Table 0-12 Lightning events**

Sl. No.	Name of the Block/ ULB	Identifiable incidents of lightning hit in last 5 years		No. of Lightning events	No. fatality/ Deaths	Injured Persons
		No. GPs	No. of Villages/ Wards			
1	Agalpur	NA	3	3	3	0
2	Bangomunda	NA	11	11	14	0
3	Belpara	NA	6	7	8	0
4	Bolangir	NA	14	17	17	0

5	Deogaon	NA	5	5	6	0
6	Gudvela	NA	9	9	9	0
7	Khaparakhhol	NA	5	6	6	0
8	Loisingha	NA	4	4	4	0
9	Muribahal	NA	3	3	3	0
10	Patnagarh	NA	10	11	11	0
11	Puintala	NA	1	1	1	0
12	Saintala	NA	3	4	4	0
13	Titilagarh	NA	8	9	11	0
14	Turekela	NA	8	4	4	0
		NA	90	98	105	0

**Block wise village list is at Table No. 14.4 of Volume II of the DDMP**

#### **3.4.4 Drought**

Drought is a recurring and single most insidious phenomenon in Bolangir district of Orissa. The recurrent drought in the district is mostly responsible for its ‘chronic backwardness’. Since a significant proportion of cultivated land in Bolangir is under rain fed agriculture, the variability in date of onset of effective monsoon, higher initial and conditional probability of dry weeks are crucial factors for increasing drought vulnerability and risk in the region. The long-term normal rainfall in the district is also gradually declining. On the other hand, the increasing frequency of

occurrence of the hazard is one of the major factors behind the rising level of drought vulnerability in the region, which is mainly due to “wide variability of rainfall from season to season”, not as a result of deficiency of annual rainfall. Moreover, one of the prime reasons for increasing drought frequency and vulnerability in the study region is the neglect of the traditional water harvesting structures and poor development of irrigation facilities. Numbers of villages affected due to drought are 332, 358, 1783, 1765 and 1724 in 2009, 2010, 2011, 2015 ,2017 & 2018 respectively. More than 50% villages of each block have been affected from 2009 to 2018. Drought hits to its maximum (36% of the cultivable area) extend during 2015, in which Patagarh, Puintala and Belpada blocks severely affected. Summary of the drought affected villages/areas is portrayed below.

**Table 0-13 Cultivable Areas of the District**

Sl. No.	Name of the Block	Average Annual Rain Fall (in MM)	Ground Water Level (mbgl)		Cultivated Area (In Hectares)				
			(based on 61 sample wells)		Paddy		Non- Paddy		Total
					Rain fed Area	Irrigated area	Rain fed Area	Irrigated area	
			April	August					
1	Agalpur	1289.8	8.72	3.58	6749	7286	6497	1113	21645
2	Bangomunda	1338.6	6.83	4.45	9941	2349	9706	234	22230
3	Belapara	1289.8	4.94	3.59	12306	4639	15178	595	32718
4	Bolangir	1327.5	4.35	4.30	6685	2795	9528	1077	20085
5	Deogaon	1365.7	3.75	2.00	7382	2148	9538	1072	20140

6	Gudvella	1291.0	5.55	2.82	3684	2796	5748	853	13081
7	Khaprakhol	1289.8	6.51	3.86	9380	3750	13014	786	26930
8	Loisingha	1287.0	5.22	3.05	7750	2520	10041	864	21175
9	Muribahal	1323.5	4.05	3.40	13817	1852	10843	204	26716
10	Patanagarh	1289.8	5.50	3.00	18659	3055	17112	537	39363
11	Puintala	1183.2	3.51	2.37	11888	2444	6679	562	21573
12	Saintala	1204.2	4.50	2.35	8139	2976	9477	220	20812
13	Titilagarh	1379.1	7.05	4.45	12415	3883	8445	267	25010
14	Tureikela	1186.1	5.61	4.00	8144	2530	12058	266	22998
<b>Total</b>		<b>1288.9</b>	<b>5.44</b>	<b>3.37</b>	<b>136939</b>	<b>45023</b>	<b>143864</b>	<b>8650</b>	<b>334476</b>

Ground Water Year Book, Sept, 2015 Central Ground Water Board, Bhubaneswar .Pp132-133

Table 0-14 Drought Vulnerability

Sl. N o.	Name of the Block	Year- 2015				Year – 2011				Year- 2010				Year- 2009			
		Annual Rainfall= 1024.33				Annual Rainfall=1144.81				Annual Rainfall=1114.76				Annual Rainfall=1481.75			
		GP	Village	Agricultural Crop Area lost ( in Hectares)		GP	Village	Agricultural Crop Area lost ( in Hectares)		GP	Village	Agricultural Crop Area lost ( in Hectares)		GP	Village	Agricultural Crop Area lost ( in Hectares)	
				Paddy	Non-Paddy			Paddy	Non-Paddy			Pad dy	Non-Paddy			Paddy	Non-Paddy
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Agalpur	18	107	6772		18	107			16	39			16	40		
2	Bangomunda	22	133	9058.99		22	133			8	14			8	22		
3	Belpara	22	120	10573.8		22	120			0	0			11	20		
4	Bolangir	24	117	8790		23	123			24	58			5	12		
5	Deogaon	23	129	7596		23	129			16	49			3	7		
6	Gudvela	10	84	4793		12	92			10	42			6	35		
7	Khaparakhhol	18	133	8000.36		18	133			17	45			9	42		
8	Loisingha	18	105	9270		18	106			9	24			2	7		
9	Muribahal	18	159	8206		18	161			14	31			7	20		
10	Patnagarh	26	166	13167.9		26	166			0	0			14	21		
11	Puintala	24	136	12100		24	136			9	22			18	36		
12	Saintala	20	137	8479		20	138			2	2			13	32		
13	Titilagarh	22	135	8249		22	133			8	10			4	5		
14	Turekela	19	104	9736		19	101			12	22			13	33		
Total		284	1765	123506.56		285	1778			145	358			129	332		

**NB: Detailed list of drought prone Villages is at Table No.14.5 of Volume II of the DDMP**

### 3.4.5 Road Accidents

The district has 20 nos. and 15 nos. of Traffic Congestion Areas Accident Prone Areas respectively in various stretches of State and National highways. Caution points and villages/habitations adjoining to such accident prone areas are summarized below.

**Table 0-15 Habitations adjacent to accident prone areas**

Sl. No.	Stretch of Road (From - to)	Length in Kms.	No. of Traffic Congestion Areas	No. of Accident Prone Areas	No. of villages/ habitations adjacent to accident prone areas
1	56/00 to 58/00 Km (NH-26)	2.00	1		Loisingha
2	73/00 to 78/00 Km (NH-26)	5.00	1		Bolangir
3	96/0 to 97/500 Km (NH-26)	1.50	1	1	Deogaon
4	98/0 to 100/00 Km (NH-26)	2.00	1	1	Deogaon
5	105/600 to 107/0 Km (NH-26)	1.40		2	Kareldhua Village
6	109/0 to 111/0 Km (NH-26)	2.00	2	1	Saintala
7	117/0 to 118/0 Km (NH-26)	1.00		1	Luhurapali village
8	125/0 to 126/0 Km (NH-26)	1.00	1	1	Belgaon village
9	0/0 to 01/690 Km (NH-57)	1.69	1		Bolangir
10	6/0 to 7/0 Km (NH-57)	1.00		1	Malamunda
11	22/800 to 23/800 Km (NH-59)	1.00	1	1	Bhoipada village
12	58/200 to 59/200 Km (NH-59)	1.00	1	1	Near Rigdol village

13	0/500 to 0/700 Km (SH-42)	0.20	1	1	Adarshapada, Kandpali
14	6/00 to 112/00 Km (SH-42)	106.00	6	4	Ulba, Chatuanka to Alishan , KV College to Dhamandanga, Punjipathar Temple
15	0/00 to 2/500 Km (SH-16)	2.50	2		Bargaon Chowk & Kalahandi Chowk
15	0/00 to 0/500 Km (SH-16)	0.50	1		Titilagarh town

### 3.4.6 Population Requiring Special Care

Special care is unique to women, children, and elderly persons for fulfillment of the special needs and requirements especially during disaster. Thus, following category of population required special care during emergency situation in the district.

**Table 0-16 Population require special care**

Sl.	Sub-District (Police Station)	Population	No. of HHs headed by Women	No. of HHs headed by PWD	No. of Persons With Disability		No. of Widow	No. of Children		No. of Orphans		No. of Aged Persons (60 and above)		No. of Pregnant and lactating mothers
					M	F		0-6 Years	6-14 Years	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Balangir	327081	5895	488	2638	2185	9682	39673	Refer Table No. 3,2 of Volume II	8		3702	11422	Refer Table No. 6 of Volume II
2	Bangomunda	74579	2364	157	858	728	3503	10312		0		5047	3701	
3	Belpara	116136	2761	198	1040	780	4141	16858		0		2096	5154	
4	Kantabanji	72115	1561	118	602	529	2307	10017		0		4680	2276	
5	Khaprakhol	89819	3043	152	750	661	4372	12329		0		9123	4952	

6	Loisinga	152865	4647	394	2199	1839	7158	17536		7	8419	8927	
7	Patnagarh	168325	4411	442	1919	1656	7130	21480		0	7409	8661	
8	Saintala	148991	4546	420	1685	1455	6333	19966		8	4708	7412	
9	Sindhekela	98777	3278	162	827	742	4394	13970		0	6482	4880	
10	Titlagarh	162859	4760	440	1797	1499	5976	21729		0	2437	6590	
11	Turekela	52422	1509	85	451	379	2424	8353		0	2437	2559	
12	Tushura	185028	4724	325	2136	1615	8338	24097		5	9480	9312	
<b>Total</b>		1648997	43499	3381	16902	14068	65758	216320	221190	28	66020	75846	30321

Sources: Col. 3, 9: Census, 2011 || Col. 4, 5,6,7,8, 13, 14 SECC, 2011 || Col. 10: DPC, SSA || Col. 15: DSWO, Col. 11, 12: DCPU

## Chapter 4 Institutional Arrangement

### 4.1 National Disaster Management Authority (NDMA)

The National Disaster Management Authority (NDMA) was constituted under the Sub-section (1) of Section (3) of National Disaster Management Act 2005. NDMA is the apex body for Disaster Management in the country headed by the Hon'ble Prime Minister of India to lay down policies, plans and guidelines to manage disaster and coordinating their enforcement and implementation for ensuring timely and effective response to disaster.

The Chairperson of the NDMA is the Hon'ble Prime Minister of India (*ex-officio*) and others members not exceeding than nine may be nominated by him. The Chairperson may designate one of the members to be the Vice-Chairperson.

#### 4.1.1 National Executive Committee (NEC)

The central government has constituted a National Executive Committee (NEC) under sub-section (1) of Section (8) of DM Act-2005 to assist the National Disaster Management Authority in the discharge of its function and also ensure compliance of the directions issued by the central government.

The Union Home Secretary is the Chairpersons (*ex-officio*) of NEC. The Secretaries to the Government of India in the ministries/departments having administrative control of the agriculture, defense, drinking water supply, environment and forest, finance (expenditure), health, power, rural development, water resources and the Chief of the Integrated Defence Staff of the Chiefs of Staff Committee as members of NEC.

**Please refer annexure 15 of Volume –II for Central Government Notification on constitution of NEC**

### 4.2 State Disaster Management Authority (SDMA)

The State Disaster Management Authorities (SDMA) has to be constituted by every state government under the sub-section (1) & (2) of section 14 of Disaster Management Act 2005. Hon'ble Chief Ministers of the state are the Chairpersons (*ex-officio*) of SDMA and other members not exceeding than eight may be nominated by the Chairpersons. The Chairman of the

State Executive Committee (SEC), Chief Secretary of the State is a member and Chief Executive Officer (ex-officio) of SDMA.

The State Disaster Management Authority shall-:

- a) Lays down policies and plans for disaster management in the State.
- b) Approves the State Plan in accordance with the guidelines laid down by the NDMA,
- c) Coordinates the implementation of the State Plan, recommend provision of funds for mitigation and preparedness measures.
- d) Review the developmental plans of different departments of the State to ensure the integration of prevention, preparedness and mitigation measures.
- e) Lay down guidelines to be followed by the departments of the State Government for the purpose of integration of measures for prevention of disasters and mitigation in their development plans and projects and provide necessary technical assistance there for.
- f) Review the measures being taken for mitigation, capacity building and preparedness by the departments of the Government & issue such guidelines as may be necessary.
- g) Lay down detailed guidelines for providing standards of relief (Not less than the minimum standard of relief in the guidelines of NDMA) to persons affected by disaster in the State.

***(Please refer annexure 16 of Volume –II for Odisha Government Notification on reconstitution of SDMA)***

### **State Executive Committee (SEC)**

The State Executive Committee (SEC) has been constituted by the State Governments under sub-section (1) & (2) of section (20) to assist the State Disaster Management Authority (SDMA) in the performance of its function and to coordinate action in accordance with the guidelines laid down by the SDMA and ensure the compliances of directions issued by the State Government under the DM act. The Chief Secretaries of the States are the Chairman of SEC (ex-officio). Four Secretaries of State Government are the other member's ex-officio. The Chairperson of SEC use powers delegated by SDMA's and state Governments.

The State Executive Committee shall:-

- a) Coordinate and monitor the implementation of the National Policy, National Plan and State Plan.
- b) Examine the vulnerability of different parts of the State to different forms of disaster and specify measures to be taken for their prevention and mitigation.
- c) Lay down guidelines for preparation of disaster management plans by the departments of the Government of the State and the District authorities and monitor the implementation of the plans.
- d) Evaluate preparedness at all government and non-government levels to respond to any threatening disaster situation or disaster and give all directions where necessary for enhancing such preparedness.

***(Please refer annexure 17 of Volume –II for Odisha Government Notification on constitution of SEC)***

### **Revenue and Disaster Management Department:**

The Revenue and Disaster Management Department is responsible for providing immediate relief to the people affected by various calamities like floods, droughts, cyclones, hailstorms, earthquakes, fire accidents, etc. It also takes initiatives for relief, rescue, rehabilitation and restoration work. The Department is headed by the Principal Secretary/Addl. Chief Secretary, Revenue and Disaster Management Department who exercises all administrative and financial powers.

### **Special Relief Organization:**

The Special Relief Organisation was established under the Board of Revenue in 1965-66 for carrying out relief and rescue operation during and after various disasters. Since its inception, the scope of Relief Organisation has been diversified. Now it deals with disaster management i.e. response, relief and rehabilitation. It coordinates with districts/departments for quick relief and rescue operation, reconstruction and rehabilitation work. It also promotes disaster preparedness at all levels in the State with the assistance of Odisha State Disaster Management Authority (OSDMA). Quick response in the natural calamities is the hall-mark of Special Relief Organisation.

### **Odisha State Disaster Management Authority (OSDMA):**

Odisha State Disaster Mitigation Authority (OSDMA) was established by the Government of Odisha as an autonomous organization vide Finance Department Resolution No. IFC- 74/99-51779/F dated the 28<sup>th</sup> December 1999 (in the intermediate aftermath of the Super-cyclone in 1999). It was registered under the Societies Registration Act, 1860 on 29.12.1999 as a non-profit making & charitable institution for the interest of the people of Odisha, with its headquarters at Bhubaneswar and jurisdiction over the whole State.

The Authority has the mandate not only to take up the mitigation activities but also the relief, restoration, reconstruction and other measures. These activities cover the entire gamut of disaster management including preparedness activities and also include:

- Coordination with the line departments involved in reconstruction,
- Coordination with bilateral and multi-lateral aid agencies,
- Coordination with UN Agencies, International, National and State-level NGOs,
- Networking with similar and relevant organizations for disaster management.

### **State Level Committee on Natural Calamity (SLCNC)**

A State Level Committee on Natural Calamity (SLCNC) has been constituted under the Chairmanship of the Hon'ble Chief Minister to oversee disaster preparedness and response activities.

The Function of the SLCNC is –

- a) To advise the State Government regarding precautionary measures to be taken in respect of flood, drought and other natural calamities.
- b) To assess the situations arising out of the calamities.
- c) To recommend to Government the nature and quantum of relief; and
- d) To recommend to Government the Policy to be adopted in giving such relief in areas affected by such calamities.

***(Please refer annexure 18 of Volume –II for Odisha Government Notification on reconstitution of SLCNC)***

## District Disaster Management Authority (DDMA)

Under the sub-section (1) of section 14 of DM act 2005, District Disaster Management Authority has been constituted by the State Government.

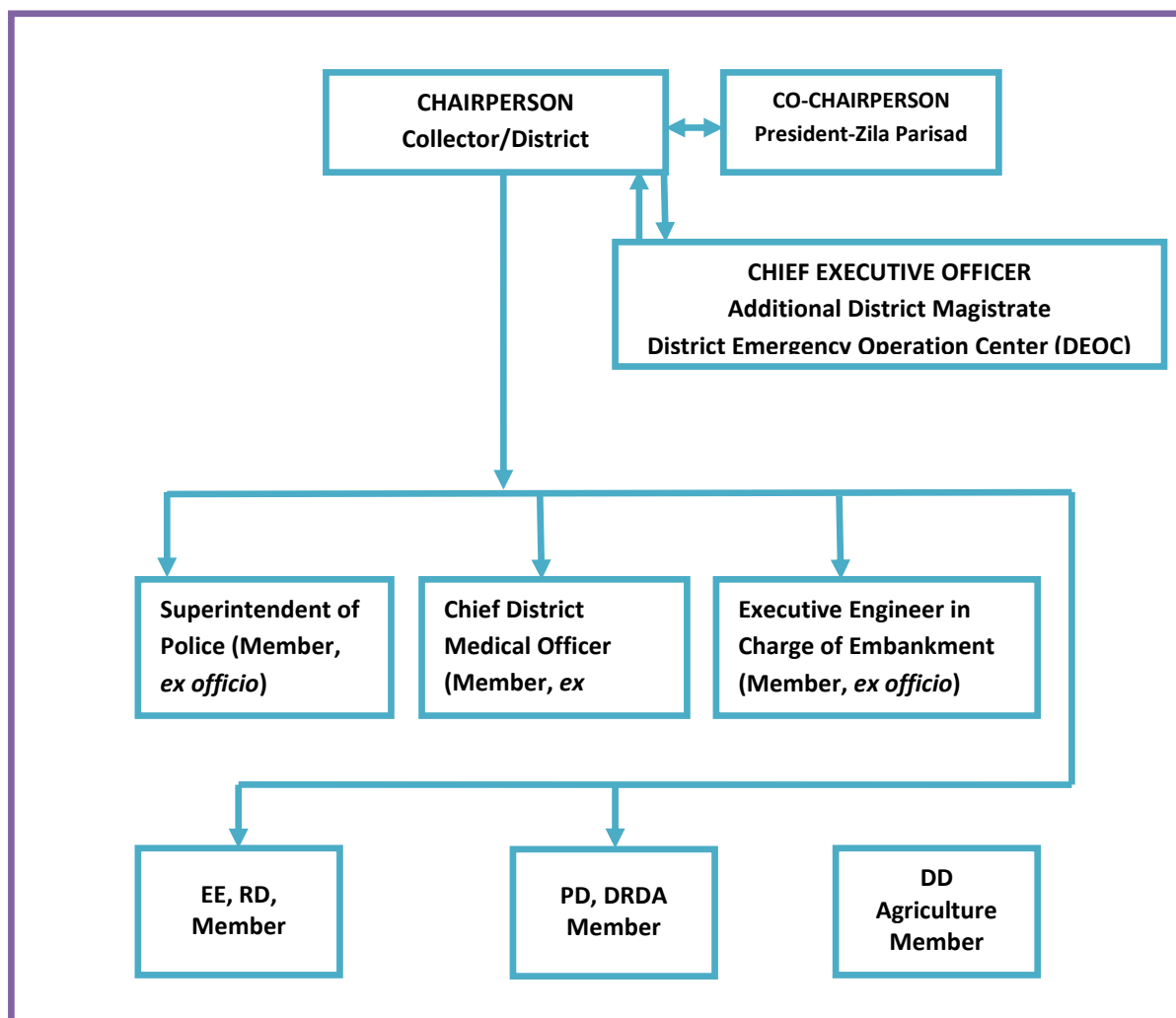
The District Disaster Management Authority (DDMA) consists of the Chairperson and such number of the other members, not exceeding seven, as may be prescribed by the State Government, and unless the rules otherwise provide, it shall consist of the following namely:-

- a) The Collector or District Magistrate or Deputy Commissioner of the District is the Chairperson (*ex-officio*) of DDMA.
- b) The elected representative of local authority is the Co-chairperson (*ex-officio*) of DDMA.
- c) Provided that in the Tribal Areas, as referred to in the Sixth Schedule to the Constitutions, the Chief Executive Member of the district council of autonomous district, shall be the co-Chairperson, *ex officio*
- d) The Chief Executive of the District Authority, *ex officio*;
- e) The Superintendent of Police, *ex officio*;
- f) The Chief Medical Officer of the district, *ex officio*;
- g) Not exceeding two other district level officers, to be appointed by the State Government

The State Government appoints an officer not below the rank of Additional Collector or Additional District Magistrate or Additional Deputy Commissioner, as the case may be of the District to be Chief Executive Officer of DDMA.

**(Please refer annexure 19 of Volume –II for Odisha Government Notification on constitution of DDMA)**

Figure 0-1 Organogram of District Disaster Management Authority



The DDMA acts as the district planning; coordinating and implementing body for disaster management and take all measures for the purpose of disaster management in the district in accordance with the guidelines laid down by the NDMA and SDMA.

The District Disaster Management Authority (DDMA) shall:-

- Prepare Disaster Management Plan including District Response Plan of the District.
- Coordinate and Monitor the implementation of the National DM Policy, State DM Policy, State DM Plan and District DM Plan.
- Ensure that vulnerable areas of the districts are identified and prevention and mitigation measures are being undertaken by the departments of the Government both at district level and at local level.

- d) Ensure that guidelines for Prevention and Mitigation measures, Preparedness and Response as laid down by NDMA and SDMA are being followed by all departments of Government both at district and local level.
- e) Monitor the implementation of Disaster Management Plans prepared by the departments of the Government at the district levels.
- f) Lay down guidelines to be followed by different Government departments both at district level and local level for integrating disaster prevention and mitigation measures in their development plans and projects and provide necessary technical assistance therefor;
- g) Review the state of capability for responding to any disaster or threatening disaster like situation in the district and give directions to the relevant departments or authorities at the district level for their up gradation.
- h) Review the preparedness measures and give directions to the concerned departments at the district level for bringing the preparedness measures to the levels required for responding effectively to any disaster.
- i) Organize, coordinate and facilitate specialized training programmes and awareness programmes for different level of officers, employees, voluntary rescue workers and community members for prevention and mitigation of disaster with support of governmental and non-governmental organization and local authorities.
- j) Set up, maintain, review and upgrade mechanism for early warning and dissemination of proper information to public.
- k) Review development plans prepared by the departments of the government at the district level, statutory authorities with a view to make necessary provisions therein for prevention of disaster or mitigation.
- l) Examine construction in any area in the district and ensure standards for prevention of disaster or mitigation laid down for such construction to be followed by the concerned departments and authorities.
- m) Identify buildings and places which could be used as relief centers or camps in the event of any disaster or disaster like situation and make arrangements for water supply and sanitation in such buildings and places.
- n) Establish stockpiles of relief and rescue materials or ensure preparedness to make such materials available at short notice;
- o) Encourage the involvement of Non Government Organization and Voluntary social – welfare institutions working at the grass root level in the district for disaster management.

- p) Ensure communication systems are in order and disaster management drills are carried out periodically.
- q) Perform such other functions as the State Government or State Authority may assign to.

To assist the DDMA the District Disaster Management Teams (DDMT) are constituted vide office order no.1113 dt.07-10-2010 of Collector, Balangir with distinct roles and responsibilities.

The DDMT is formed under the guidance of DDMA. Various sub teams are formed to perform some sectoral activities for disaster management. The roles and responsibilities of each team are well defined to avoid any form of overlapping or duplicacy during the time of disaster. They will perform their roles and responsibilities under the overall guidance of DDMA. In case of Balangir the following DMTs have been formed and the members of each team is mentioned hereunder

- **Information Management Team:**

DI & PRO, Balangir, Station Director- AIR, Balangir, District Telecom officer, District control Room, Police Control Room

- **Food & Social Security Team:**

PD (DRDA), Sub-Collector, Balangir/ Patnagarh/ Titilagarh/ All Tahasildar, All BDOs, DSWO, DWO, Civil Supply Officer, District Panchayat Officer, District Labour Officer

- **Water Management Team:**

EE (Irrigation), EE (MIP), EE (OLIP), AE (Agriculture), EE (RWSS), PD (Watershed)

- **Livelihood Team:**

DDA, Balangir, DDH Balangir, and DAOs, Horticulturist, CDVO, Asst. Director (Fishery), DFO (Kendu leaf), PD (Watershed), DSMS, GM-DIC, NGOs

- **Forest & Environment Team:**

DFO, Balangir/ NGOs

- **Rescue & Evacuation Team:**

SP, All Sub Collector, Dist. Fire Officer, ODRAF team

- **Emergency Health Management Team:**

CDMO, Red Cross, Representative Private Hospital, CDVO, NGO Coordination Cell

- **Relief Management Team:**

ADM, Sub-Collector, Balangir/ Patnagarh/ Titilagarh/ All BDOs, All Tahasildars, Addl SP, NGOs/INGOs

- **Infrastructure Management Team:**

EE (R&B), EE (RD), EE (WESCO), APD (Technical), DRDA, EE (NHAI), District Panchayat Officer, NGOs/ INGOs

### **District Level Committee on Natural Calamity (DLCNC)**

The Codal provision of Odisha Relief Code envisages the constitutions of District Level Committee on Natural Calamity (DLCNC) which is the apex committee at the district to monitor preparedness and suggests improvement in the response mechanism and finalizes the district disaster management plans. The members of DLCNC are as follows:

**Table 0-1 Structure of District Level Committee on Natural Calamity**

Sl No.	Name of the Member	Designation	Position in DLCNC
1	Shree Arindam Dakua, IAS	District Magistrate and Collector	Chairperson
	Smt. Sangita Singdeo	Hon'ble MP, Loksabha	Member
2	Smt.. Tukuni Sahu	Hon'ble MLA, Titilagarh Cabinet Minister, W & CD	Member
3	Shree.Narasingha Mishra	Hon'ble MLA, Balangir	Member
4	Shree Mukesh Mahaling	Hon'ble MLA, Loisingha	Member
5	Shree Santosh Singh Saluja	Hon'ble MLA, Kantabanji	Member
6	Shree Saroj Ku. Meher	Hon'ble MLA, Patnagarh	Member
7	Smt.. Bharati Mahanand	Chairman, Zilla Parishad	Member
8	Sri Parikshit Sethy	Addl. District Magistrate	Member
9	Dr. Sanjukta Sahoo	Chief District Medical Officer	Member
10	Shree Chandeswar Behera	Executive Engineer- in charge of Embankment	Member
11	Shree Gagan Routroy	Chief District Veterinary Officer	Member
12	Sree Bhairab Singh Patel	Sub-Collector, Balangir	Member
13	Shree. Sakthya Krishnan K.P., IAS	Sub-Collector, Patnagarh	Member
14	Shree Sudhakar Nayak	Sub-Collector, Titilagarh	Member
15	Shree, Shankarshan Padhan	District Emergency Officer	Member Secretary

**The functions of the State Disaster Mangement Authority.**

The functions of the committee shall be

- a) To advise on the precautionary measures to be taken in respect of flood, drought and other natural calamities.
- b) To access the situation arising out of such calamities.
- c) To advise on appropriate relief measures and location of relief works.
- d) To meet as often as required.

**4.3 National Disaster Response Force (NDRF)**

The Disaster Management Act 2005 has made the statutory provisions for the constitution of the National Disaster Response Force (NDRF) for the purpose of specialized response to natural and man-made disasters. The NDRF comprises of 12 units of Central Paramilitary Forces (CPMF) that includes 3 units each from Central Reserve Police Forces (CRPF) and Boarder Security Forces (BSF) and 2 Unit each from Central Industrial Security Forces (CISF), Indian Tibbet Boarder Police (ITBP) and Sahastra Seema Bal (SSB). Each battalion has 18 self-contained specialists Search and Rescue teams of 45 personnel. The NDRF team includes Chemical, Biological and Radiological Disaster (CBRN) emergency responders, S&A element, engineers, technicians, electricians, dog squads and paramedics. The NDRF battalions are strategically located at 8 different locations in the country based on the vulnerability profile to cut down response time for their deployment. During the threatening proactive deployment of NDRF is being carried out by NDMA in consultation with the State Governments.

**Table 0-2 Location of National Disaster Response Forces**

Sl No.	Battalion, Location	State	Man power drawn from	Contact Person	Fax No.	Mobile No.	Unit Control Room No.	E-Mail
1	01 Bn, NDRF, Guwahati	Assam	BSF	Sh. S. K. Shastri	0361-2849080	9401307887	0361-2840284	<a href="mailto:assam01-ndrf@nic.in">assam01-ndrf@nic.in</a>
2	02 Bn, NDRF, Kolkata	West Bengal	BSF	Sh. Nitish Upadhyay	033-25875032	9434742836	033-25875032	<a href="mailto:wb02-ndrf@nic.in">wb02-ndrf@nic.in</a>
3	03 Bn, NDRF, Munduli	Odisha	CISF	Sh. M.K. Yadav	0671-2879711	9439103170	0671-2879711	<a href="mailto:ori03-ndrf@nic.in">ori03-ndrf@nic.in</a>
4	04 Bn, NDRF, Arakkonam	Tamil Nadu	CISF	Ms. Rekha Nambiyar	04177-246594	9442105169	04177-246594	<a href="mailto:tn04-ndrf@nic.in">tn04-ndrf@nic.in</a>
5	05 Bn, NDRF, Pune	Maharashtra	CRPF	Sh. Anupam Srivastava	02114-247008	9423506765	02114-247000	<a href="mailto:rb-5th@cisf.gov.in">rb-5th@cisf.gov.in</a>
6	06 Bn, NDRF, Gandhinagar	Gujarat	CRPF	Sh. R. S. Joon	079-23201551	9428826445	079-23201551	<a href="mailto:guj06-ndrf@nic.in">guj06-ndrf@nic.in</a>
7	07 Bn, NDRF, Ghaziabad	Uttar Pradesh	ITBP	--	0164 - 2246570		0164-2246193	<a href="mailto:pun07-ndrf@nic.in">pun07-ndrf@nic.in</a>
8	08 Bn, NDRF, Bhatinda	Punjab	ITBP	Sh. P.K. Srivastava	0120 - 27666012	9968610014	0120-2766618	<a href="mailto:up08-ndrf@nic.in">up08-ndrf@nic.in</a>
9	09 Bn, NDRF, Patna	Bihar	BSF	Shri Vijay Sinha	06115-253939	7762884444	06115-253939	<a href="mailto:patna-ndrf@nic.in">patna-ndrf@nic.in</a>
10	10 Bn, NDRF, Vijayawada	Andhra Pradesh	CRPF	Sh. Parshant Dar	0863-2293050	7382299621	0863-2293050	<a href="mailto:rb-10th@cisf.gov.in">rb-10th@cisf.gov.in</a>
11	11 Bn, NDRF, Varanasi	Uttar Pradesh	SSB	Sh. A.K. Singh	0542 - 2501101	9455511107	0542-2501101	<a href="mailto:up-11ndrf@gov.in">up-11ndrf@gov.in</a>
12	12 Bn, NDRF, Itanagar	Arunachal Pradesh	SSB	Sh. Angom Kiran Chand Singh	03621-242940	9485236141	0360-2277106	<a href="mailto:bn12.ndrf@gov.in">bn12.ndrf@gov.in</a>

#### 4.4 Odisha Disaster Rapid Action Force (ODRAF)

The Government of Odisha formed Odisha Disaster Rapid Action Force (ODRAF) vide notification no.939/CD dated 07.06.2001. ODRAF is a multi-disciplinary, multi-skilled, high-tech force for all types of disasters. ODRAF aims at reducing casualties, clearance of communication channels, quick deployment of personnel and equipments and minimize expenditure and time lag and support institutional arrangement. In 3 phases, ten units of ODRAF have been set up. The ODRAF units are strategically located throughout Orissa. Locations of these units are identified on the basis of vulnerability profile to cut down the response time for their deployment. The ODRAF Units do not have any geographical /territorial restrictions in terms of area of operation. Besides, 10 new units of ODRAF have been proposed to set up at different locations like Sambalur, Boudh, Kalahandi, Nawarangpur, Gajapati, Berhampur, Puri, Khorda, Kendrapada and Jajpur

**Table 0-3 Location of Odisha Disaster Rapid Action Force**

Unit	Contact Details of designated Officer	Mobile/ Phone No.	Email ID
Cuttack (OSAP 6 <sup>th</sup> Battalion)	Shri Lingaraj Parida, OPS Commandant	98610-39267 (M) 0671-2442148 (O) 0671- 2442442 (R)	<a href="mailto:comdt6thbn.orpol@nic.in">comdt6thbn.orpol@nic.in</a>
	I/C ODRAF: Dy Sub Sk.R.Tulla Writer: K.B.Panda	94385 -03808 (M) 94385-82460 (M)	
Jharsuguda (OSAP 2 <sup>nd</sup> Battalion)	Md. Zaheed, OPS Commandant	94371-76264 (M) 06645-270096 (O) 06645-270038 (R)	<a href="mailto:comdt2ndbn.orpol@nic.in">comdt2ndbn.orpol@nic.in</a>
	I/C ODRAF: Dy Sub C.Rana Writer: T.B.Gurung	88953-70538 (M) 90404-13176 (M)	
Koraput (OSAP 3 <sup>rd</sup> Battalion)	Shri B.M.Rao, OPS Commandant	94372-15519 (M) 06852-251344 (O) 06852-151335 (R)	<a href="mailto:comdt3rdbn.orpol@nic.in">comdt3rdbn.orpol@nic.in</a>
	I/C ODRAF: Dy. Sub R.Ch.Hati Writer: R.K.Naik	99384-06905 (M) 94390-66456 (M)	
Rourkela (OSAP 4 <sup>th</sup> Battalion)	Shri K.Gauda, OPS Commandant	94373-58292 (M) 0661-2600434 (O) 0661-2600980 (R)	<a href="mailto:comdt4thbn.orpol@nic.in">comdt4thbn.orpol@nic.in</a>
	I/C ODRAF Dy Sub. A.Behera Writer Bijaya Sahoo	94374-19436 (M) 94384-25112 (M)	
OSAP 5th Battalion, Baripada	Shri Awinash Kumar, IPS Commandant	94381-53308	<a href="mailto:comdt5thbn.orpol@nic.in">comdt5thbn.orpol@nic.in</a>
	I/C ODRAF AC J.R.Nayak Writer T. K.Mohant	94372- 03557 94380-54976	

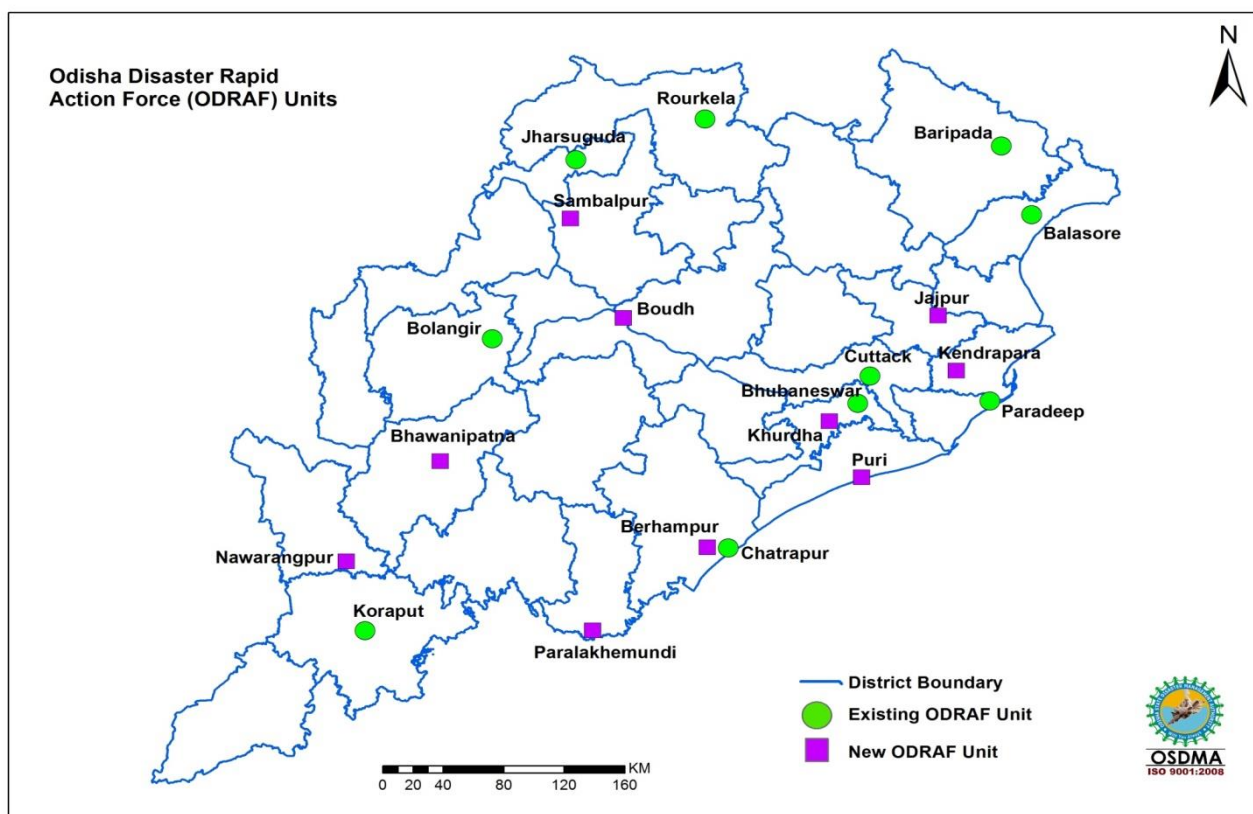
OSAP 7th Battalion, Bhubaneswar	Shri Biren Ku. Sasmal, OPS 1 Commandant	94370-81266	<a href="mailto:comdt7thbn.orpol@nic.in">comdt7thbn.orpol@nic.in</a>
	I/C ODRAF ACP D.K.Dehuri Writer Sadananda Jena	94371-85548 98615-78306	
OSAP 8th Battalion, Chatrapur	Shri B.N.Mishra Commandant	94370-87055	<a href="mailto:comdt8thbn.orpol@nic.in">comdt8thbn.orpol@nic.in</a>
	I/C ODRAF SI(A) C.R.Bisoi Writer L.Bijaya Kumar	82800-33508 94373-22432	
APR Balasore District	Shri Nithi Sekhar, IPS SP, Balasore	94381-53309 Spbls.orpol@nic.in	<a href="mailto:spbls.orpol@nic.in">spbls.orpol@nic.in</a>
	I/C ODRAF Sgt.P.K.Ransingh Writer M. Behera	94393-79619 94380-49083	
APR Bolangir District	Shri Asis Kumar Singh. IPS SP, Bolangir	88950-46814 Spbgr.orpol@nic.in	<a href="mailto:spbgr.orpol@nic.in">spbgr.orpol@nic.in</a>
	I/C ODRAF AC N.K.Patel Writer M.P.Xosla	94374-74571 99379-99404	
APR, Jagatsinghpur District	Shri J.N.Pankaj, IPS SP, Jagatsinghpur	94371-02020 Spjps.orpol@nic.in	<a href="mailto:spjps.orpol@nic.in">spjps.orpol@nic.in</a>
	I/C ODRAFDSI P.K.Routray Writer P.K.Bhuyan	94384-36188 83388-15172	

#### Location of New Odisha Disaster Rapid Action Force with contact details

Unit	In Charge	Telephone/ Mobile	Email
<b>Dhenkenal (OSAP 1<sup>st</sup> Bn)</b>	Shri Bijaya Prakash Babu, OPS Deputy Commandant	9438509006 (M) 06762- 226229 (O) 06762226291 (CR) Fax: 06762226291	<a href="mailto:comdt1stbn.orpol@nic.in">comdt1stbn.orpol@nic.in</a>
<b>Koraput (1<sup>st</sup> India Reserve Bn.)</b>	Shri P. Manmoth Rao, OPS Commandant	9437463489 (M) 06852-252167 (O) 06852-211320 (CR)	<a href="mailto:comdt1stirbn.orpol@nic.in">comdt1stirbn.orpol@nic.in</a>
<b>Gunupur (2<sup>nd</sup> India Reserve Bn.)</b>	Shri Bibhuti Pattnaik, OPS Commandant	9437090541 (M) 0658-725110 (O) 0685- 725110 (CR)	<a href="mailto:comdt2ndirbn.orpol@nic.in">comdt2ndirbn.orpol@nic.in</a>
<b>Jajpur (3<sup>rd</sup> India Reserve Bn.)</b>	Shri S.N.Jemadar, OPS Commandant	9437355225 (M) 0672-6244602 (O) 0672- 6244610 (CR) Fax: 0672- 6244610	<a href="mailto:comdt3rdirbn.orpol@nic.in">comdt3rdirbn.orpol@nic.in</a>
<b>Deogarh (4<sup>th</sup> India Reserve Bn.)</b>	Shri Baikuntha Bihari Rout, OPS Commandant	9438800008 (M) 0664-3242130 (O)	<a href="mailto:comdt4thirbn.orpol@nic.in">comdt4thirbn.orpol@nic.in</a>
<b>Boudh (5<sup>th</sup> India Reserve Bn.)</b>	Shri Jamesh Kumar Indrasingh, OPS Commandant	9437232275 (M) 9437232275 (M)	<a href="mailto:comdt5thirbn.orpol@nic.in">comdt5thirbn.orpol@nic.in</a>

<b>Khurda</b> (6 <sup>th</sup> India Reserve Bn.)	Shri Naba Kishor Das, OPS Commandant	8895856633 (M)	<a href="mailto:comdt6thirbn.orpol@nic.in">comdt6thirbn.orpol@nic.in</a>
<b>Koraput</b> (7 <sup>th</sup> Spl. India Reserve Bn.)	Shri S.N.Bastia Commandant	8895066309 (M) 06852-259112 (CR) Fax:06852-229007	<a href="mailto:comdt7thsplirbn.orpol@nic.in">comdt7thsplirbn.orpol@nic.in</a>
<b>Phulbani</b> (8 <sup>th</sup> Spl. India Reserve Bn.)	Shri A.K.tripathy, OPS Commandant	9437200980 (M) 0684-2253017 (O)	<a href="mailto:comdt8thsplirbn.orpol@nic.in">comdt8thsplirbn.orpol@nic.in</a>

Map 0-1 Location of ODRAF Units



#### 4.5 Other Disaster Response Teams in the district

Balangir has other disaster response team who assist in various stages of disasters. They are DCG, LCG, NCC, NSS, NYK, Home Guard, Red Cross and NGOs/VOs

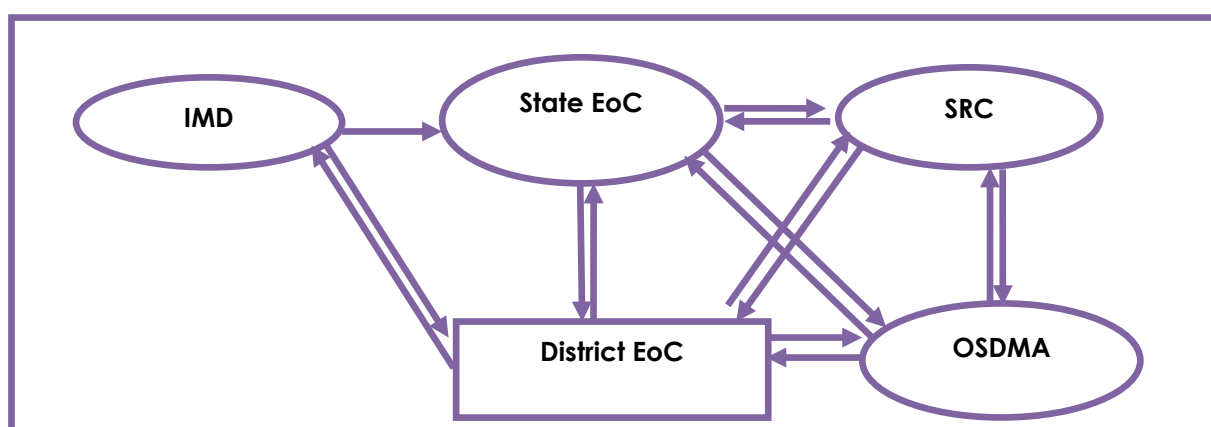
Map 0-2 List of other Disaster Response Teams in the District

Sl. No.	Name of the Institutions	Name of the Chief Coordinator of the Organization	Designation	Contact Number	Alternate Contact Number	Number of Volunteers
1	Civil Defense	K. Siva Subramany, IPS	Commandant Home Guard	06652-232020	9438916510	0
2	Home Guards					557
3	National Service Scheme (NSS)	Ajit Ku Bhoi	District Coordinator	9937382911	9583434646	1500
4	National Cadet Corps (NCC)	GS Ramarao	Chief Commandant	06652-250755	-	1200
5	Nehru Yuva Kendra (NYK)	Bipin Bihari Jena	District Coordinator	06652-250188	9437080540	12
6	Red Cross	Shankarshan Padhan	Secretary India Red cross Society	06652-232452	9438286132	180
7	NGOs/VO	Sashibhusan Purohit	Coordinator, WONC	-	9437310777	250

## 4.6 Emergency Communication System

### 4.6.1 State Emergency Operation Center (SEOC)

The State Emergency Operation Centre has been made operational at Rajiv Bhawan, Bhubaneswar with state of art communication net-work. The State EOC functions round the clock throughout the year. The Organisation is headed by the Special Relief Commissioner (SRC) who exercises all administrative and financial powers. He is assisted by a group of experienced officers and staff. During any natural disaster, the office functions round the clock in an emergency mode.

**Figure 0-2 Information flow chart from SEOC to Districts**

#### 4.6.2 District Emergency Operation Centers (DEOC)

The District Emergency Operation Centre (DEOC) is functioning at District Emergency Section Collectorate, Balangir. The DEOC is headed by the Collector and District Magistrate, Balangir. District Emergency Officer (DEO) functions as the officer-in-charge and looks after the day to day operation of DEOC under the guidance of Addl. District Magistrate, Balangir. DEO is assisted by a District Project Officer (DPO) and other ministerial staff. 1077 disaster helpline number is active in the district. The helpline is under the supervision of DEO, Balangir. During any natural disaster it functions round the clock (24x7) for the purpose of receiving warnings and other information and in normal times it works in official hours from 10.00 am to 5 pm. It also receives all messages /instructions from the state control room and passes them on to the officer in -charge, who, if required, directs them further to sub-divisional control room and block control room. The control rooms at the sub divisional, block headquarters receive all information regarding any emergency situation in their respective areas from the DEOC and also convey any information pertaining to filed status to the DEOC and other officials /non official organizations as the case may be. All the information so collected is transmitted by the DEOC to SEOC daily through appropriate channel in the performa prescribed by the state government time to time.

**Figure 0-3 Equipment provided to DEoC and their operational status**

SI No.	Equipments	Unit	Present Status	
			Operational	Non-Operational
1	Desktop Computer	3	2	1
2	Laser Printer	2	1	1
3	UPS	3	0	3
4	Scanner	1	1	0
5	Fax	1	1	0
6	Ink Jet Printer	0	0	0
7	Multi Utility Machine	0	0	0

	(Printer, Scanner, Fax, copy)			
8	Laptop	0	0	0
10	LCD Projector	1	0	1
11	Photocopier	0	0	0
12	GPS Unit	1	1	0
13	Satellite Phone	1	1	0
14	VHF Sets	1	0	1
15	VHF Mobile Station	0	0	0
16	Walkie-Talkie (VHF hand Set)	2	2	0
17	Portable Diesel Generator	0	0	0
18	Inverter with Battery	1	1	0
19	Inflatable Tower Light	2	2	0
20	Power Saw	2	2	0
21	Life Jacket	2	0	2
22	Life Buoy	0	0	0
23	Aluminum Ladder	1	0	1
24	Fire Extinguisher	2	0	2
25	Siren	1	0	1
26	Megaphone	0	0	0
27	Colour TV/Stand	1	1	0
28	Mobile Phone	0	0	0
29	Display Board	1	0	1
30	White Broad	1	0	1
31	Computer Table/Chair	1	0	1
32	Rack	0	0	0
33	Book Case	0	0	0
34	GI Trunk	2	2	0
35	Commando Search Light	1	1	0
36	Steel Almirah	1	1	0

4.6.2 Figure 0-4 Information flow chart from DEoC to Villages with early warning

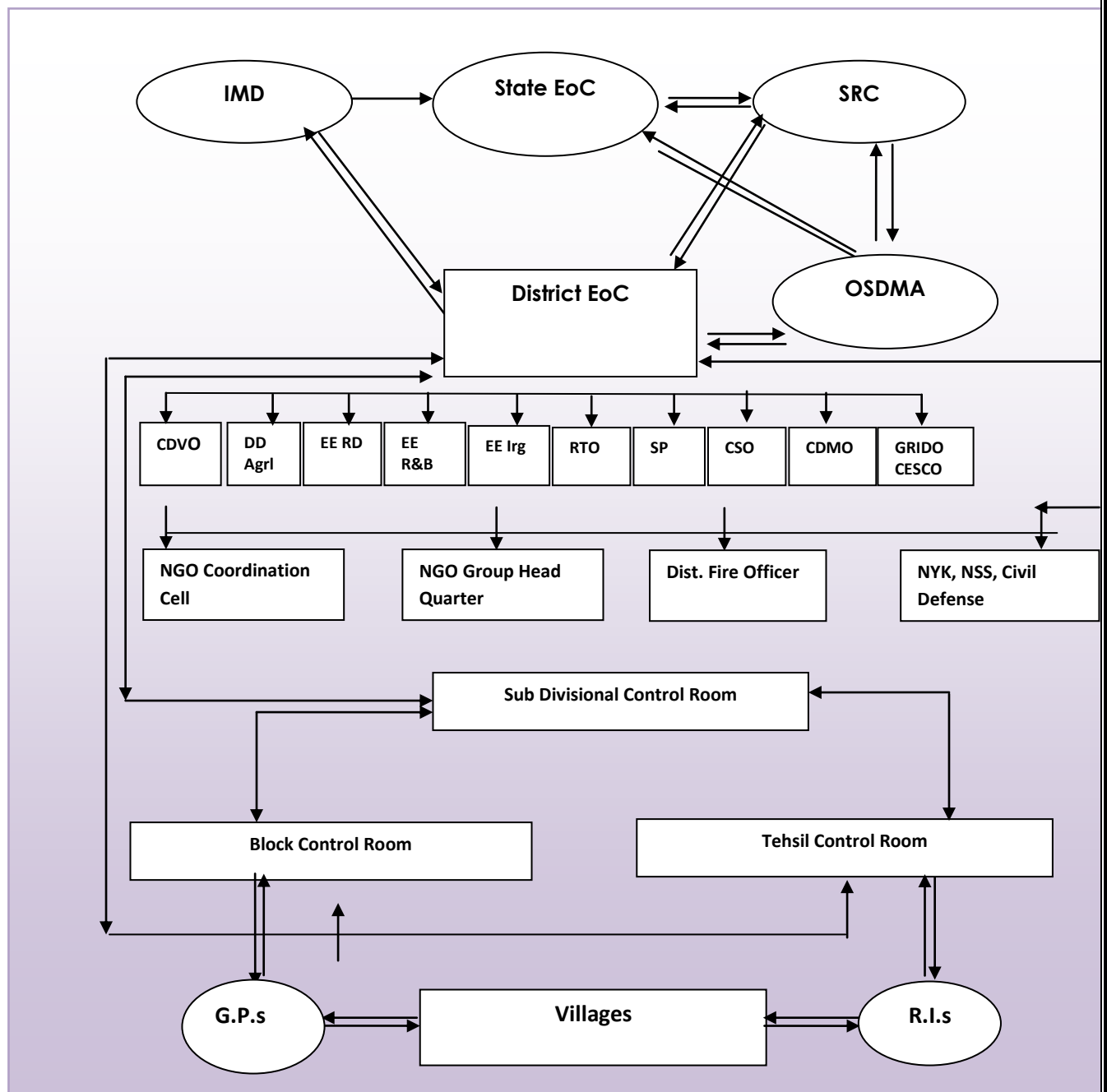
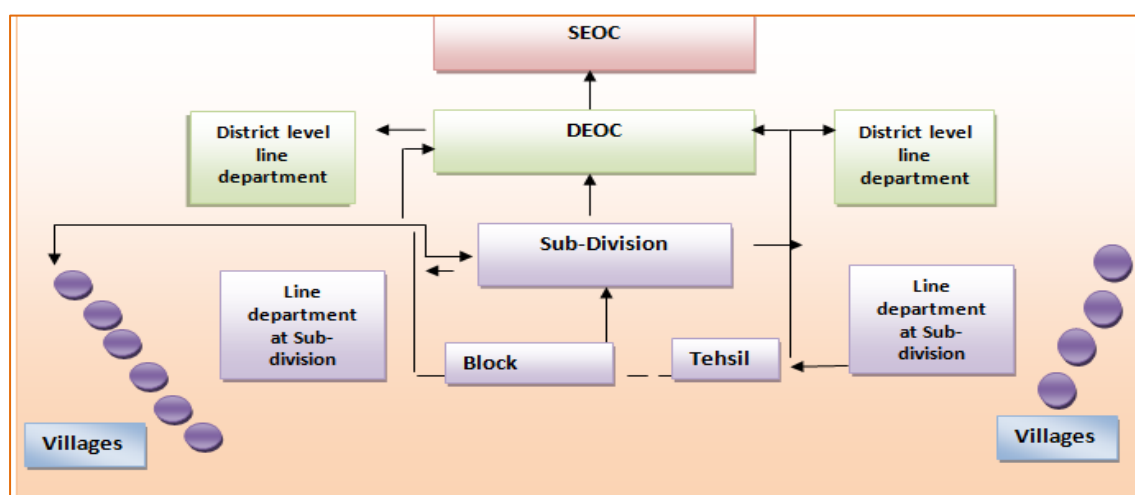
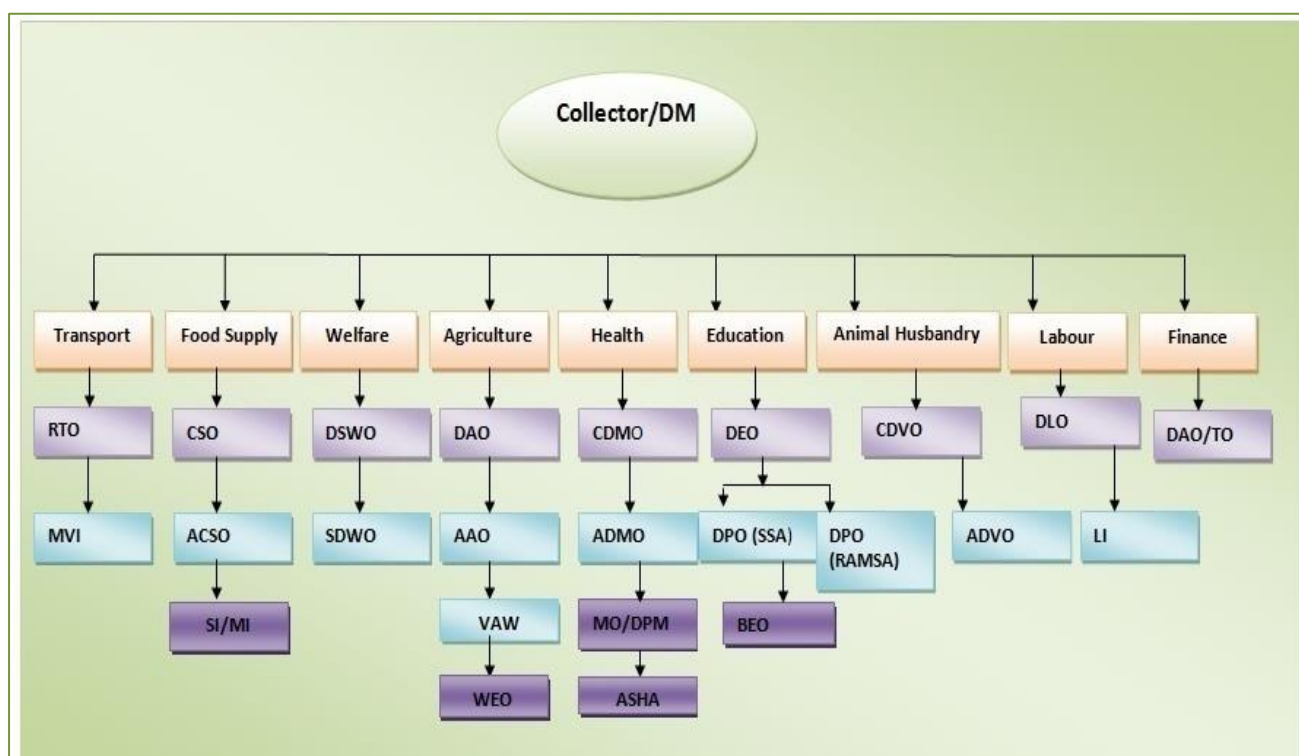


Figure 0-5 Information flow chart from Villages (DEoC) without early warning



#### 4.6.3 Block Emergency Operation Center (BEoC)

Block Emergency Operation Centers operate at Block and Tahasil level work round the clock during summer and rainy season to tackle the heat waves and flood situation (June to October) at block/tehsil level. These emergency centers are headed by the concerned the head of the office. BDOs are assisted by Extension Officers. Similarly Tahasildar are supported by Revenue Inspectors and other staff. Such Emergency Operation Centers follow the Standard Operating Procedure (SoP) prescribed by the Govt. from time to time. **Name and Contact details of important line departments at the Block are annexed at Table 20 of Volume-II.**

**Figure 0-6 Coordination structure at the District level and down the line**

### GO-NGO Coordination before and after disaster in the district

The DM Act 2005 recognises that sometimes the development patterns that do not recognize disaster risk and vulnerability in the specific geographic areas may induce disasters. The proactive approach in the DM Act 2005 to address disaster risk and vulnerability through pre-disaster preparedness and mitigation activities also envisions accountability and multi stakeholder participation, including coordination of the activities of the NGOs at various levels. Sections 30 (2) (xix) of the Act mandate the DDMA for collaboration with stakeholder agencies including NGOs for the purpose of improving the effectiveness of DM. As on date, role of NGOs/CBOs has not been explore in Balangir. Hence, a district level NGO Coordination Cell to be set up with the following points.

**Figure 0-7 Action Points in Go-NGO Coordination**

Area	Action Points	Responsibility
Geographic spread of NGOs	Develop a database of NGOs at all levels working on disaster management focusing on geographic outreach and thematic capacities of the organisations.	DDMAs with the help of NGOs
Volume of support provided by NGOs	Compile statistics on quantum of support provided by NGOs at all levels, both international and national.	DDMA

Coordination	Establishing inter agency mechanisms for coordination and networking activities (information and knowledge management, training and capacity building, collaborative advocacy, quality and accountability) at all levels.	DDMA
Accessibility	Establish protocols for cooperation and ensure access to the affected areas with support from government agencies at respective levels like NDRF and SDRF that have good logistics base to reach inaccessible areas.	DDMA, NGOs, CBOs
Hazard and vulnerability based planning	Conduct community centric hazard and vulnerability analysis at all levels, and develop disaster management plans in accordance.	DDMA, NGOs
Community participation	Ensure community participation in assessment, planning, implementation and monitoring of activities at all levels	DDMA, NGOs, CBOs
Mainstreaming of Disability Issues in DM	Support the most vulnerable groups through mitigation activities as well as disaster preparedness and response, with a particular focus on the special needs of the Persons with Disabilities (PWDs).	DDMA, NGOs)
Gender Mainstreaming	Make women's as well as men's concerns and experiences an integral dimension in the design, implementation, monitoring and evaluation of policies and programs such that inequalities between men and women are not perpetuated through the routine operations of DM.	DDMA
on most vulnerable rather than only on epicenter.	Focus National level: Advocate with all actors to reach out to gap areas State level: Coordinate among actors to identify gap Areas District and Local level: Ensure targeting with equity and outreach to all excluded areas.	District NGO Task Forces in DM)
Rural-urban diversity	Develop the capacities of NGOs or specialised civil society agencies at all levels to manage urban as well as rural disasters and accordingly make investments.	DDMA's
Adherence to standards	National level: Develop minimum standards for India State level: Develop minimum standards for the state District and Local level: Develop capacities for adherence to minimum standards through collective and coordinated efforts of all stakeholders	DDMA, NGOs, CBOs
Transparency and accountability	Develop an agreed framework of accountability for all levels and mechanisms to bring in transparency.	DDMA

Do No Harm	Advocacy at all levels on Do No Harm through disaster response and development interventions.	District NGO Task Forces in DM
Exit strategy	Ensure that the NGO programmes have an exit strategy to link with long term recovery/rehab/development programs of other NGOs or the government	District NGO Task Forces in DM

### **Role of Corporate Sector in the district relating to Disaster Management**

Historically, the corporate sector has been supporting disaster relief and rehabilitation activities. However, the involvement of corporate entities in disaster risk reduction activities is not significant in Balangir district. PPP between the Government and private sector would also be encouraged to leverage the strengths of the latter in disaster management. The DDMA would need to network with the corporate entities to strengthen and formalise their role in the DM process for ensuring safety of the communities. The role of corporate sector for awareness generation and local capacity building would be also important and efforts would be made to involve corporate sector in this effort. Besides, the media plays a critical role in information and knowledge dissemination in all phases of DM. The versatile potential of both electronic and print media needs to be fully utilised. Effective partnership with the media will be worked out in the field of community awareness, early warning and dissemination, and education regarding various disasters. The use of vernacular media would be harnessed for community education, awareness and preparedness at the local level. The DIPRO in consultation with the DDMA would take appropriate steps in this direction.

### **Public Private Partnership: Public & Private Emergency service facilities available in the district.**

Private Ambulance Services are available in the district which operates in a Public Private Partnership mode. Five numbers of private firms are operating ambulance services in the district to provide emergency transportation services to the people at a price decided by the district administration from time to time. Details of Private Emergency Ambulance Service available in the districts are given below.

**Table 0-4 Contact Details of Private Emergency Ambulance Services**

Sl.	Vehicle Name	Service	Type	Owner Name	Driver Name	Contact No
1	RUHAMA	Ambulance	Bolero	Dasrath Bag	Raju	9439360583
2	SEVA	Ambulance	Max.	Gopalji Panigrahi	Sambhu	7873747180
3	ROTARY Club	Ambulance	EEO	Rajkumar Agarwal	Saroj Kumar	8280048600
4	SEVA	Ambulance	OMNI	Gopalji Panigrahi	Parsuram	8280047616
5	Marwari Yuva Munch	Ambulance	OMNI	Rajkumar Agarwal	Satrughna	9439477054

**Table 0-1 Contact details of Heads of the Department at district level**

Contact Details of Balangir District				
SI No	DESIGNATION	NAME	MOBILE	e-mail ID
1	2	3	7	9
1	Collector & DM, Balangir	Arindam Dakua, IAS	8895768995	<a href="mailto:dm-balangir@nic.in">dm-balangir@nic.in</a>
2	SP, Balangir	K Siva Subramany, IPS	94389-16510	<a href="mailto:spblg.orphol@nic.in">spblg.orphol@nic.in</a>
3	P.D., DRDA, Balangir	Maheswar Swain	94370-39863 94371-01736	<a href="mailto:ori-dbolangir@nic.in">ori-dbolangir@nic.in</a>
4	A.D.M. Balangir	Parikshit Sethi	94371-65172	<a href="mailto:adm-balangir@nic.in">adm-balangir@nic.in</a>
5	Sub-Collector, Balangir	Bhairab Singh Patel	94371-92643	subcol.bola-od@nic.in, <a href="mailto:sdmbgr@gmail.com">sdmbgr@gmail.com</a>
6	Sub-Collector, Patnagarh	Sri Jadumani Mahala	94375-44078	subcol.patn-od@nic.in , subcollector.ptg@gmail.com
7	Sub-Collector, Titlagarh	Sudhakara Nayak	82491-10614	subcol.titl-od@nic.in, <a href="mailto:subcoll_ttg@yahoo.com">subcoll_ttg@yahoo.com</a>
8	District Emergency Officer	Shankarshan Pradhan	94382-86132, 82497-45303	<a href="mailto:emrqbgr@gmail.com">emrqbgr@gmail.com</a>
9	CDMO, Balangir		94399-87100	<a href="mailto:cdmobalangir@gmail.com">cdmobalangir@gmail.com</a>
10	CDVO, Balangir	Dr. Gagan Bihari Routray	94372-75310	<a href="mailto:cdvobgr@gmail.com">cdvobgr@gmail.com</a>
11	CSO, Balangir	Sri Abhiram Pradhan	94382-00035	<a href="mailto:cso-bol@nic.in">cso-bol@nic.in</a>
12	D.S.W.O., Balangir	Mrs JJ Patra	94371-68209	<a href="mailto:dswobolangir@nic.in">dswobolangir@nic.in</a>

13	D.W.O., Balangir			<a href="mailto:dwo.balangir@gmail.com">dwo.balangir@gmail.com</a>
14	DDA, Balangir	Sridhara Das	94370-82128	<a href="mailto:ddabolangir.dag@nic.in">ddabolangir.dag@nic.in</a>
15	DDH, Balangir	Prafulla Ku. Swain	87634-24834	<a href="mailto:ddhbolangir.od@nic.in">ddhbolangir.od@nic.in</a>
16	DEO, Bgr	Subodh Kumar Dash	94382-02467	<a href="mailto:deobolangir.sme@nic.in">deobolangir.sme@nic.in</a> <a href="mailto:deobolangir@gmail.com">deobolangir@gmail.com</a>
17	DFO(T), Bgr	Rasmi Ranjan Naik	94370-32948	<a href="mailto:dfobalangir@gmail.com">dfobalangir@gmail.com</a>
18	DIPRO, Balangir	Jayadev Panigrahi	94370-83259	<a href="mailto:diproffice@gmail.com">diproffice@gmail.com</a>
19	Dist Social Security Officer, Balangir	Ksirodra Tripathy	94376-38854	<a href="mailto:dssobalangir15@gmail.com">dssobalangir15@gmail.com</a>
20	Dist. Panchayat Officer	S.K. Meher	82497-54708	<a href="mailto:dpogpbgr@rediffmail.com">dpogpbgr@rediffmail.com</a> <a href="mailto:dpo.od-bol@nic.in">dpo.od-bol@nic.in</a>
21	E.E. (R&B) Balangir	Nalinikanta Dash	94371-73616	<a href="mailto:eeepwd.bgr@rediffmail.com">eeepwd.bgr@rediffmail.com</a> , <a href="mailto:eeepwd.bgr@gmail.com">eeepwd.bgr@gmail.com</a>
22	E.E.(R&B) Kantabanji	Digambar Biswal	94398-69440	<a href="mailto:eeerbkbj@rediffmail.com">eeerbkbj@rediffmail.com</a>
23	E.E. RWSS, Balangir	Suresh Ch. Mahanta	82804-08031	<a href="mailto:eerwss_blg@nic.in">eerwss_blg@nic.in</a>
24	E.E.RWD, Balangir	Bhibhudendra Meher	94372-55326	
25	E.E.RWD, Titilagarh	D.N. Patnaik	94372-55327	
26	E.E.RWD, Titilagarh	S.S. Mahapatra	94375-62334	
27	E.E.MI, Balangir	Hiralal Panigrahi	94374-18046	<a href="mailto:mid_balangir@yahoo.co.in">mid_balangir@yahoo.co.in</a>
28	E.E. OLIC, Balangir	Rajendra Dash	94370-93282	<a href="mailto:eeelsdam-eicwr.od@nic.in">eeelsdam-eicwr.od@nic.in</a>
29	E.E. PHD, Balangir			<a href="mailto:eeephbgr@yahoo.co.in">eeephbgr@yahoo.co.in</a>
30	E.E.Irrigation, Bgr	Chandeswar Behera	94373-16077	<a href="mailto:eeolicbgr@gmail.com">eeolicbgr@gmail.com</a> , <a href="mailto:eebolang-eicwr.od@nic.in">eebolang-eicwr.od@nic.in</a>
31	E.E.Irrigation Titg.	Ashok Samal	94371-40828	<a href="mailto:eeetitila-eicwr.od@nic.in">eeetitila-eicwr.od@nic.in</a>
32	E.E.NH, Balangir	Ashok Ku. Padhi	98610-96349	<a href="mailto:eeenhbolangir@gmail.com">eeenhbolangir@gmail.com</a>
33	E.E.WESCO, Balangir		94370-58104	<a href="mailto:ee_elec_bolangir@wescooris.com">ee_elec_bolangir@wescooris.com</a>
34	E.O., Municipality, Balangir	Gureswar Bhoi		<a href="mailto:bgrmc1972@gmail.com">bgrmc1972@gmail.com</a>

35	E.O., Municipality, Titilagarh	Santosh Ku. Behera	94376-39301	<a href="mailto:titilagarhnac@gmail.com">titilagarhnac@gmail.com</a>
36	E.O., NAC Patnagarh	Kulamani Khatua	94390-09791	<a href="mailto:nac_ptg@yahoo.in">nac_ptg@yahoo.in</a>
37	E.O., NAC, Kantabanji	Thakur, JE	94371-50965	<a href="mailto:nackantabanji@gmail.com">nackantabanji@gmail.com</a>
38	E.O., NAC, Tusura	Santosh Ku. Behera	94376-39301	<a href="mailto:nactusura@gmail.com">nactusura@gmail.com</a>
39	R.T.O., Balangir	P.K.Mishra	94371-63409	<a href="mailto:rto_bolangir@yahoo.co.in">rto_bolangir@yahoo.co.in</a>
40	S.E., WESCO, Balangir		94370-58076	<a href="mailto:se_elec_bolangir@wescooris.com">se_elec_bolangir@wescooris.com</a>
41	BDO, Agalpur	Sri Sudarshan Say	9437124122	<a href="mailto:ori-agalpur@nic.in">ori-agalpur@nic.in</a>
42	BDO, Balangir I/C	Sri P.K. Sahu	99375-26675	<a href="mailto:ori-bbolangir@nic.in">ori-bbolangir@nic.in</a>
43	BDO, Bangomunda	Sri Aniruddha Pradhan	70080-72527	<a href="mailto:ori-bangomunda@nic.in">ori-bangomunda@nic.in</a>
44	BDO, Belpada	Miss Priyadarshini Mirdha	97760-16761	<a href="mailto:ori-belpara@nic.in">ori-belpara@nic.in</a>
45	BDO, Deogaon	Benath Lakra	94375-77367	<a href="mailto:ori-deogaon@nic.in">ori-deogaon@nic.in</a>
46	BDO, Gudvela	Sri Rambilash Mangraj	99380-47623	<a href="mailto:ori-gudvella@nic.in">ori-gudvella@nic.in</a>
47	BDO, Khaprakhol	Sri Tarani Suna	94382-92852	<a href="mailto:ori-khaprakhol@nic.in">ori-khaprakhol@nic.in</a>
48	BDO, Loisingha	Sri Ramachandra Khadia	91787-48056	<a href="mailto:ori-loisinga@nic.in">ori-loisinga@nic.in</a>
49	BDO, Muribahal I/C	Sri Naresh Ch. Behera	94374-19848	<a href="mailto:ori-muribahal@nic.in">ori-muribahal@nic.in</a>
50	BDO, Patnagarh	Sri Nilamadhab Suna	90788-36932	<a href="mailto:ori-patnagarh@nic.in">ori-patnagarh@nic.in</a>
51	BDO, Puintala	Saroj Ku. Mishra	9776531049	<a href="mailto:ori-puintala@nic.in">ori-puintala@nic.in</a>
52	BDO, Saintala I/C	Sri Pradip Ku. Pattnaik	94371-54956	<a href="mailto:ori-saintala@nic.in">ori-saintala@nic.in</a>
53	BDO, Titilagarh	Sri Motilal Sulia	95600-86395	<a href="mailto:ori-titilagarh@nic.in">ori-titilagarh@nic.in</a>
54	BDO, Turekela	Sri P.K. Sahu	94371-50535	<a href="mailto:ori-tureikela@nic.in">ori-tureikela@nic.in</a>
55	Tahasildar Agalpur	Sri Ugrasen Oram	95569-13059	<a href="mailto:tah.agal-od@nic.in">tah.agal-od@nic.in</a>
56	Tahasildar, Balangir	Lalat Ku. Luha	99385-06300	<a href="mailto:tah.bolangir-od@nic.in">tah.bolangir-od@nic.in</a>
57	Tahasildar, Bangomunda	Gunamani Sunani	94373-52513	<a href="mailto:tah.banga-od@nic.in">tah.banga-od@nic.in</a>

58	Tahasildar, Belpada	Rama Krushna Mishra	77510-20701	<a href="mailto:tah.belp-od@nic.in">tah.belp-od@nic.in</a>
59	Tahasildar, Deogaon	Smt. Sonali Patra	94383-47305	<a href="mailto:tah.deogaon-od@nic.in">tah.deogaon-od@nic.in</a>
60	Tahasildar, Kantabanji	Ashok Ku. Majhi	70085-44755	<a href="mailto:tah.kantab-od@nic.in">tah.kantab-od@nic.in</a>
61	Tahasildar, Khaprakhol	Ananda Panda	82494-79989	<a href="mailto:tah.khapra-od@nic.in">tah.khapra-od@nic.in</a>
62	Tahasildar, Loisinga	Smt. Arati Bhoi	86583-51207	<a href="mailto:tah.lsgblgr@nic.in">tah.lsgblgr@nic.in</a>
63	Tahasildar, Muribahal	Miss. Sarita Gupta	73270-97414	<a href="mailto:tah.moribahal-od@nic.in">tah.moribahal-od@nic.in</a>
64	Tahasildar, Patngarh	Dr. Puspanjali Panda	94385-68801	<a href="mailto:tah.patnag-od@nic.in">tah.patnag-od@nic.in</a>
65	Tahasildar, Puintala	Miss. Swetapadma Jhosh	82608-57257	<a href="mailto:tah.puintala-od@nic.in">tah.puintala-od@nic.in</a>
66	Tahasildar, Saintala	Suman Kishor Dungdung	70773-03685 80968-20234	<a href="mailto:tah.saint-od@nic.in">tah.saint-od@nic.in</a>
67	Tahasildar, Titilagarh	Swadip Ku. Topo	95408-20952	<a href="mailto:tah.titlag-od@nic.in">tah.titlag-od@nic.in</a>
68	Tahasildar, Tusura	Chandramani Nag	73259-05047	<a href="mailto:tah.tusura-od@nic.in">tah.tusura-od@nic.in</a>
69	B.E.O, Agalpur	Manjulata Bhoi	9938794568	<a href="mailto:beoagalpur.sme.od@nic.in">beoagalpur.sme.od@nic.in</a> <a href="mailto:beoagalpur@gmail.com">beoagalpur@gmail.com</a>
70	B.E.O, Loisingha	Rina Kumari Behera	7008282865	<a href="mailto:beobalangir.sme.od@nic.in">beobalangir.sme.od@nic.in</a> <a href="mailto:beobalangir.sme.od@nic.in">beobalangir.sme.od@nic.in</a>
71	B.E.O, Balangir	Richpal Sagar	7978799393	<a href="mailto:beobangamunda.sme.od@nic.in">beobangamunda.sme.od@nic.in</a> <a href="mailto:beobangomunda@gmail.com">beobangomunda@gmail.com</a>
72	B.E.O, Puintala	Nepal Chandra Bag	8018963119	<a href="mailto:beobelapara.sme.od@nic.in">beobelapara.sme.od@nic.in</a> <a href="mailto:beobelpada@gmail.com">beobelpada@gmail.com</a>
73	B.E.O, Deogaon	Bhagyabati Dash	9178877542	<a href="mailto:beosaintala.sme.od@nic.in">beosaintala.sme.od@nic.in</a> <a href="mailto:beosaintala@gmail.com">beosaintala@gmail.com</a>
74	B.E.O, Gudvela	Akhila Deep	9937477576	<a href="mailto:beotitilagarh.sme.od@nic.in">beotitilagarh.sme.od@nic.in</a> <a href="mailto:beotitilagarh@gmail.com">beotitilagarh@gmail.com</a>
75	B.E.O, Saintala	Flora Guria	9938839193	<a href="mailto:beomuribahal.sme.od@nic.in">beomuribahal.sme.od@nic.in</a> <a href="mailto:beomuribahal@gmail.com">beomuribahal@gmail.com</a>
76	B.E.O, Titilagarh	Mukunda Mahara	9178061772	<a href="mailto:beokhaprakhol.sme.od@nic.in">beokhaprakhol.sme.od@nic.in</a> <a href="mailto:beokhaprakhol@gmail.com">beokhaprakhol@gmail.com</a>
77	B.E.O, Bangomunda	Hemsagar Bhoi	8018114597	<a href="mailto:beopatnagarh.sme.od@nic.in">beopatnagarh.sme.od@nic.in</a>

				<a href="mailto:beopatnagarh@gmail.com">beopatnagarh@gmail.com</a>
78	B.E.O.Muribahal	Jagannath Dharua	9178831206	beopuintala.sme.od@nic.in <a href="mailto:beopuintala@gmail.com">beopuintala@gmail.com</a>
79	B.E.O,Turekela	Jagannath Dharua I/C	9178831206	beotureikela.sme.od@nic.in <a href="mailto:beoturekela@gmail.com">beoturekela@gmail.com</a>
80	B.E.O,Patnagarh	Shasthi Jhankar, I/C	9438415840	beoloisingha.sme.od@nic.in <a href="mailto:beoloisingha@gmail.com">beoloisingha@gmail.com</a>
81	B.E.O, Belpada	Baikuntha Sabar	8658993146	beodeogaon.sme.od@nic.in <a href="mailto:beodeogaon@gmail.com">beodeogaon@gmail.com</a>
82	B.E.O,Khaprakhol	Shasthi Jhankar	9438415840	beoguduvella.sme.od@nic.in <a href="mailto:beogudvela@gmail.com">beogudvela@gmail.com</a>
83	BPM, CHC, AGALPUR	Prabir Kumar Meher	9439985754	CHC Agalpur <bpoagalpur@gmail.com>
84	BPM, CHC,SINDHEKELA	Sir. Susanta Pradhan	9439987465	Sindhekela CHC <chcsindhekela@gmail.com>
85	BPM, CHC, BELPARA	Rashmi Ranjan Purohit	9439985792	CHC Belpara <nhm belpara@gmail.com>
86	BPM, CHC, CHUDAPALI	Smt. Sudhanjali Mishra	9439985834	CHC Chudapali <bpmchudapali@gmail.com>
87	BPM, CHC, DEOGAON	Kumud Ranjan Naik	9439985880	Deogaon CHC <chcdeogaon1@gmail.com>
88	BPM, CHC, GUDVELLA	Rakesh Roshan Mishra	9439985966	BPMU Gudvella <nhm gudvella@gmail.com>
89	BPM, CHC, KHAPRAKHOL	Jugal Kishor Sahu	9439987264	BPMU Khaprakhol <nhm khaprakhol@gmail.com>
90	BPM, CHC, LOISINGHA	Santosh Dora	9439987357	Loisingha CHC <bpmulois@gmail.com>
91	BPM, CHC, MURIBAHAL	Amiya Kumar Raipalia	9439987406	Muribahal CHC <chcmuribahalnhm@gmail.com>
92	BPM,CHC, GHASIAN	Ashutosh Bohidar	9439985900	<a href="mailto:CHC Ghasian &lt;bpmghasian@gmail.com&gt;">CHC Ghasian &lt;bpmghasian@gmail.com&gt;</a>
93	BPM, CHC, JAMGAON	Kalyan Kumar Sahani	9439987249	CHC Jamgoan

				<bpmupuintala@gmail.com>
94	BPM, CHC, SAINTALA	Paresh Kumar Sahu	9439987445	<a href="mailto:CHC Saintala &lt;bpmunhmchcsaintla@gmail.com&gt;">CHC Saintala</a> <bpmunhmchcsaintla@gmail.com>
95	BPM, CHC, KHOLAN	Sitakanta Nag	9439987301	CHC Kholan <bpmunhmkholaan@gmail.com>
96	BPM, CHC, TUREKELA	Manoj Kumar Patel	9439987491	Turekela CHC <turekelachc@gmail.com>
97	BPM, CHC, Kantabanji	NA	NA	Kantabanji CHC <chckantabanji@gmail.com>
98	BPM, CHC, SDH PATNAGARH	Ghanashyam Tripathy	9439985885	Patnagarh SDH <sdhptg2@gmail.com>
99	BPM, SDH, Titilagarh	Diptiranjana padhan	9439987137	Titilagarh SDH < sdh.titl1@gmail.com>
100	PHEO, CHC, AGALPUR	Bharati Sahu	9439985753	CHC Agalpur <bpoagalpur@gmail.com>
101	PHEO,CHC,SINDHEKELA	Ananda Mishra	9439987459	Sindhekela CHC <chcsindhekela@gmail.com>
102	PHEO,CHC, BELPARA	Manjulata Sethi	9439985791	CHC Belpara <nhmbelpara@gmail.com>
103	PHEO,,CHC, CHUDAPALI	Ritanjali Mishra	9439985833	CHC Chudapali <bpmchudapali@gmail.com>
104	PHEO,CHC, DEOGAON	Laxman Kumar Meher	9439985868	Deogoan CHC <chcdeogaon1@gmail.com>
105	PHEO,CHC, GUDVELLA	Riku Bhoi	9439999719	BPMU Gudvella <nhmgudvella@gmail.com>
106	PHEO,CHC, KHAPRAKHOL	Balchandra Chhatra	9439987263	BPMU Khaprakhol <nhmkhaprakhol@gmail.com>
107	PHEO,,CHC, LOISINGHA	Ramesh Ch Sahu	9439987343	Loisingha CHC <bpmulois@gmail.com>
108	PHEO,CHC, MURIBAHAL	Bishnumurari Patel	9439987387	Muribahal CHC <chcmuribahalnham@gmail.com>

109	PHEO,CHC, GHASIAN	Gopinath Nayak	9439985938	<a href="mailto:bpmghasian@gmail.com">CHC Ghasian &lt;bpmghasian@gmail.com&gt;</a>
110	PHEO,CHC, JAMGAON	Brundaban Sahu	9439987250	CHC Jamgoan <bpmupuintala@gmail.com>
111	PHEO,CHC, SAINTALA	Sri Mina Kumari Tripathy	9439987444	<a href="mailto:bpmunhmchcsaintla@gmail.com">CHC Saintala &lt;bpmunhmchcsaintla@gmail.com&gt;</a>
112	PHEO,CHC, KHOLAN	Purna Chandra Rana	9439987336	CHC Kholan <bpmunhmkholaan@gmail.com>
113	PHEO,CHC, TUREKELA	Anup Singh Majhi	9439987490	Turekela CHC <turekelachc@gmail.com>
114	PHEO,CHC, Kantabanji	NA	NA	Kantabanji CHC <chckantabanji@gmail.com>
115	PHEO,CHC, SDH PATNAGARH	NA	NA	Patnagarh SDH <sdhptg2@gmail.com>
116	PHEO,,CHC, SDH Titlagarh	NA	NA	Titlagarh SDH < sdh.titl1@gmail.com>
117	Medical Officer, CHC, AGALPUR	Dr. Dharendra Ku Mehera	9439999729	CHC Agalpur <bpoagalpur@gmail.com>
118	Medical Officer,CHC,SINDHEKELA	Dr. Lili Bhoi	6371734631	Sindhekela CHC <chcsindhekela@gmail.com>
119	Medical Officer,CHC, BELPARA	Dr. Rabindra Meher	9439985829	CHC Belpara <nhmbelpara@gmail.com>
120	Medical Officer,CHC, CHUDAPALI	Dr. Tarun Ku Bhoi	9439985830	CHC Chudapali <bpmchudapali@gmail.com>
121	Medical Officer, CHC, DEOGAON	Dr. Surendra Ku. Karatia	9439985888	Deogoan CHC <chcdeogaon1@gmail.com>
122	Medical Officer,CHC, GUDVELLA	NA	9439985969	BPMU Gudvella <nhm gudvella@gmail.com>
123	Medical Officer,CHC, KHAPRAKHOL	Dr. Prahallad Meher	9439987262	BPMU Khaprakhol <nhmkhaprakhol@gmail.com>
124	Medical Officer,CHC, LOISINGHA	Dr. Sweta Satpathy	9439987339	Loisingha CHC <bpmulois@gmail.com>

125	Medical Officer,CHC, MURIBAHAL	Dr. Baidyanath Mishra	9439987397	Muribahal CHC <chcmuribahalnhm@gmail.com >
126	Medical Officer,CHC, GHASIAN	Dr. Sujaya Ku Meher	9439985901	<a href="mailto:bpmghasian@gmail.com">CHC Ghasian &lt;bpmghasian@gmail.com&gt;</a>
127	Medical Officer,CHC, JAMGAON	Dr. Kasturi raman singh	9439985998	CHC Jamgoan <bpmupuintala@gmail.com>
128	Medical Officer,CHC, SAINTALA	Dr. Sudha Barla	9439987440	<a href="mailto:bpmunhmchcsaintla@gmail.com">CHC Saintala &lt;bpmunhmchcsaintla@gmail.co m&gt;</a>
129	Medical Officer,CHC, KHOLAN	Dr. Minaketan Kisan	9439987800	CHC Kholan <bpmunhmkholaan@gmail.com >
130	Medical Officer,CHC, TUREKELA	Dr. Dhunda Munda	9439987488	Turekela CHC <turekelachc@gmail.com>
131	Medical Officer,CHC, Kantabanji	Dr. Pradumna Ku Patra	9437367558	Kantabanji CHC <chckantabanji@gmail.com>
132	Medical Officer,CHC, SDH PATNAGARH	Dr. Dillip Kumar Biswal	7978649887	Patnagarh SDH <sdhptg2@gmail.com>
133	Medical Officer,CHC, SDH Titlagarh	Dr Setarani Mishra	9439987089	Titlagarh SDH < sdh.titl1@gmail.com>
134	GPEO, Agalpur	Sri Gobinda Bhoi	9668231928	<a href="mailto:ori-agalpur@nic.in">ori-agalpur@nic.in</a>
135	GPEO, Balangir I/C	Sri Sarathi Sahu	9777711772	<a href="mailto:ori-bbolangir@nic.in">ori-bbolangir@nic.in</a>
136	GPEO, Bangomunda	Sri Sudhir Ch. Thakur	9437526526	<a href="mailto:ori-bangomunda@nic.in">ori-bangomunda@nic.in</a>
137	GPEO, Belpada	Sei Bihari Lal Barik	8895003604	<a href="mailto:ori-belpara@nic.in">ori-belpara@nic.in</a>
138	GPEO, Deogaon	Sri Mishra	9437879894	<a href="mailto:ori-deogaon@nic.in">ori-deogaon@nic.in</a>
139	GPEO, Gudvela	Sri Himanshu Sh. Mishra	9437151762	<a href="mailto:ori-gudvella@nic.in">ori-gudvella@nic.in</a>
140	GPEO, Khaprakhol	Sri Sushanta Pani	9583163044	<a href="mailto:ori-khaprakhol@nic.in">ori-khaprakhol@nic.in</a>
141	GPEO, Loisingha	Mrs. Puspanjali Naik	9178892085	<a href="mailto:ori-loisinga@nic.in">ori-loisinga@nic.in</a>
142	GPEO, Muribahal I/C	Sri Nilakantha Kalsai	9178633688	<a href="mailto:ori-muribahal@nic.in">ori-muribahal@nic.in</a>

143	GPEO, Patnagargh	Sri Lalmohan Budek	9348891020	<a href="mailto:ori-patnagarh@nic.in">ori-patnagarh@nic.in</a>
144	GPEO, Puintala	Sri Rudra Pr. Suna	8280277665	<a href="mailto:ori-puintala@nic.in">ori-puintala@nic.in</a>
145	GPEO, Saintala I/C	Sri Kishore Mansingh	8327779174	<a href="mailto:ori-saintala@nic.in">ori-saintala@nic.in</a>
146	GPEO, Titilagarh	Sri Laxman Pradhan	9437291680	<a href="mailto:ori-titilagarh@nic.in">ori-titilagarh@nic.in</a>
147	GPEO, Turekela	Sei Bhaktabandhu Budek	938573193	<a href="mailto:ori-tureikela@nic.in">ori-tureikela@nic.in</a>

## **Chapter-5- Prevention & Mitigation Measures**

### **5.1 Ways & Means to prevent or reduce the impact of various disasters:**

A better disaster management with minimum vulnerability is possible only by means of preparedness and mitigation measures. Experiences shows maximum the disaster preparedness leads to minimum vulnerability. Neither a disaster can be prevented nor diverted to any other place. The only possible thing is to minimize the effect. Hence, various structural and non-structural measures will be taken up in the district to minimise the effects of various types of disaster.

### **5.2 Structural Measures**

It is immensely pivotal for the planning community to respond towards disaster management positively. Urban disaster management is intimately connected to the wholesome process of urban development and therefore needs a sincere incorporation in the development planning itself. The industrial relocation/location, unauthorized-regularization issue, slumming, over densification and continuous influx of population to Delhi are some of the open concerns and that besides a planning challenge it is a concern for disaster management. The district shall take steps for structural mitigation of disaster management.

The departments that are associated with development of residential and commercial plots shall strict the NOC norms. The Building codes shall be strictly enforced in the district. Only seismically oriented engineers, contractors and masons shall be given certificates for multi-story constructions and real estates. Simultaneously retrofitting is to be promoted with the expert advice. The possible two structural measures for disaster protection are Retrofitting of the existing building and Earth Quake Resistant new construction.

#### **1. Retrofitting**

Retrofitting for an existing building, Retrofitting or Seismic Strengthening is the only solution to make it disaster resistant. In the district, all lifeline buildings such as major hospitals, Schools with large space for storage, district administration offices and other vital installations may be retrofitted in the first phase. In the second phase all other significant buildings shall be given priority for seismic strengthening. Before carrying

retrofitting, a district level technical committee shall be constituted and approached for assessing the structure and to suggest the type of retrofitting required.

## 2. Earth Quake Resistant Construction

All the constructions required high investment (above 10 lakhs) shall be carried out under quality inspection programme prepared and implemented under the guidance by a district level technical committee nominated by DDMA. The committee shall look in to this aspect and ensure that such prerequisites are completed and observed by the concerned agencies and construction engineers.

Besides, following categories of structural measures will be taken up.

## 3. Construction of River Embankment

Sl	Name of the Department/ Office	Activity/ Project	No	Starting Date	Date of Completion	Cost	Funding source
1	Irrigation	Repair and restoration of Embankment	88	November 2019	January 2019	-	Irrigation Dept.

## 4. Agriculture and Drought proofing

Sl.	Name of the Department/ Office	Activity/ Project	No	Starting Date	Date of Completion	Cost	Funding source
1	Soil Conservation	Misc. Plantation	137	November 2019	January 2019	15.30	MGNREGS
2		Field Bunding	166	November 2019	January 2019	105.0	MGNREGS
3		Farm Pond	20	November 2019	January 2019	8.00	MGNREGS

**Total** **128.30**

Sl.	Name of the Department/ Office	Activity/ Project	No	Starting Date	Date of Completion	Cost	Funding Source
1	PR Dept	Drought Proofing	140	August 2019	October, 2019	700.00	MGNREGS

2		Flood Control and Protection	16	August 2019	October, 2019	80.00	MGNREGS
3		Land Development	280	August 2019	October, 2019	56.00	MGNREGS
4		Micro Irrigation Works	4	August 2019	October, 2019	20.00	MGNREGS
5		Renovation of traditional water bodies	140	August 2019	October, 2019	700.00	MGNREGS
Total						2196.0	

### 5. Critical Road and Bridges

Sl	Name of the Department/ Office	Activity/ Project	No	Starting Date	Date of Completion	Cost	Funding source
1	PD Dept.	Rural Road and Bridges	1438	April, 2019	Mar, 2020	4019.61	GGY

### 6. Water Supply and Sanitation

Sl	Name of the Department/ Office	Activity/ Project	No	Starting Date	Date of Completion	Cost	Funding source
1	RWS&S	Tube wells Spare parts	NA	August 2019	October, 2019	202.8	14 <sup>th</sup> FCA
2		Hire vehicle charges	NA	August 2019	October, 2019	84.3	14 <sup>th</sup> FCA
3		Extra labour charges	NA	August 2019	October, 2019	63.6	14 <sup>th</sup> FCA
4		Deployment of Water Tanker	NA	November 2019	January 2019	166.6	14 <sup>th</sup> FCA
5		Water Supply Maintenance L/S	NA	November 2019	January 2019	475.1	14 <sup>th</sup> FCA
6		Procurement of	NA	November	January	0.0	14 <sup>th</sup> FCA

		1000ltr PVC tank		2019	2019		
Total						994.0	
Sl	Name of the Department/ Office	Activity/ Project	No	Starting Date	Date of Completion	Cost	Funding source
1	PHED	Hiring of water tanker	NA	August 2019	October, 2019	47.52	H&UD
2		POL for departmental water tanker and inspection vehicle	NA	August 2019	October, 2019	39.00	H&UD
3		Hiring of DG Set	NA	August 2019	October, 2019	3.60	H&UD
4		POL DG dept. set	NA	November 2019	January 2019	14.40	H&UD
5		Spare parts for maintenance of HP TW	NA	November 2019	January 2019	5.65	H&UD
6		Construction of cross bondh and digging of riven belt	NA	November 2019	January 2019	4.00	H&UD
7		Provision of HP TW	NA	November 2019	January 2019	63.00	H&UD
8		Provision of Prod. Well	NA	November 2019	January 2019	40.00	H&UD
9		Provision of DG sets spare parts for pump motors	NA	November 2019	January 2019	33.00	H&UD
Total						250.17	
Sl	Name of the Department/ Office	Activity/ Project	No	Starting Date	Date of Completion	Cost	Funding source

1	Veterinary	VAT at GP HQ to supply drinking water for animal	318	August 2019	October, 2019	15.90	Appropriate scheme of PR schemes including MGNREGS
2	Forest	Creation of water bodies in forest area	10	August 2019	October, 2019	50.00	MGNREGS

### 5.3 Non-structural Measures:

The non-structural mitigation is basically framed in such a way that the whole population of the district will be sensitized on disaster management and their capacity is developed to cope up with a hazardous situation. Balangir has specific plan for non-structural mitigation measures which is an on-going process in various spheres of life.

1. **Sensitization/Awareness Campaigns:** The District administration will reach out to the local residents and general public of the district with various level sensitization programmes. Sensitization programmes will be conducted for schools, hospitals, colleges, communities etc. Awareness on multi hazards and dos and don'ts to solve it are most important and basic for a human being to save him/herself. Disaster strikes everywhere everyone irrespective of caste, creed, color, people, and gender. The basic information shall be given in forms of booklets reading materials, audio-visual material etc. The broad objectives of such programmes will be as follows:
  - a) To bring awareness about disasters among the inmates of all institutions and residents of all communities in Balangir.
  - b) To pave way for strict enforcement of building rules in construction departments and contractors.
  - c) Preparation of Building Evacuation Plans and training the general public on basics of self- defence thereby building capacities of school authorities and saving lives in the event of an Earthquake or Fire accidents or any other disaster.
  - d) To sensitize officers from the District Administration, ODRAF, Hospital, Fire Service and all other parallel agencies.

Different methods and techniques shall be utilized to spread awareness on disaster in the district. Some sample techniques and methods are listed below:

- Official awareness meeting

- Distribution of posters and other Information Education and Communication (IEC) materials people
- Do and Don't do
- Street plays, documentaries and films on the subject
- Use of electronic media, especially cable channels
- Quiz, painting and debate competitions at school level

**Table 0-1 Proposed Sensitization Programme**

Sl. No.	Name of the Department/ Office	Activity/ Project	Starting Date	Date of completion	Cost	Funding source
1	Health	Awareness on Heat waves and Endemic disease	15 <sup>th</sup> March	30 <sup>th</sup> March	30,000	H&FW
2	Revenue	Awareness of officials on SDRF and NDRF norms	15 <sup>th</sup> March	30 <sup>th</sup> March	As per norms	DDMA
3	Education	Awareness of BEOs on School Safety Measures	1 <sup>st</sup> Sept	30 <sup>th</sup> Sept	30,000	DDMA
4	Agriculture	Awareness of famers on drought preparedness and mitigation measures	1 <sup>st</sup> Sept	30 <sup>th</sup> Sept	1,00,000	Agriculture Dept.
5	Veterinary	Awareness of officials and farmers on Disaster Mitigation measures in	1 <sup>st</sup> May	15 <sup>th</sup> May	2,00,000	ARD Dept.

		livestock sector				
6	Forest	Awareness on forest fire at sub-divisional level	1 <sup>st</sup> May	15 <sup>th</sup> May	150000	DDMA

## 2. Disaster Management Planning

It is a known fact that drought, flood, road accident, heat waves, fire, lighting, are a major concern for the district as fire incidents have risen steeply in the last couple of decades. The first responder of any disaster anywhere is none other than the local people who are the victims too. Once a disaster has been occurred, many agencies like NGOs, Military and Para Military Agencies as well as the Government Agencies approach the area. But it takes time to start rescue and relief operations by these agencies due to poor accessibility and approachability to the disaster site and ignorance to the geographical situation of the affected area. Taking all these in to stoke, the district shall organize various planning exercises with the local bodies.

The strategy of planning will be as follows:

- The territory of each block can be taken as management unit for planning
- Every play school/school/college (Government/Private) in the district, irrespective of size, shall be a management unit
- Every Hospital with more than 10 bed shall have Disaster management plans
- All Cinema Halls, shopping centre, religious function centers etc. where gatherings are possible, will have Disaster management plans.
- Every Government office/building/department will have separate disaster management plan
- All industries in the district, irrespective of size and nature.

During 2019-20, the following planning would be taken up under thus non-structural measures.

**Table 0-2 Proposed Disaster Management Plan**

Sl. No.	Name of the Department/ Office	Activity/ Project	Starting Date	Date of Completion	Cost	Funding source
1	Health	Hospital Safety Plan	June	July	1,00,000	DDMA
2	Education	School Safety Plan	July	Aug	1,00,000	DDMA
4	Home	Plan for Mass Gathering	July	Aug	10,000	DDMA
5	Home	Plan for Cinema Halls, shopping centre	Aug	Sept	20,000	Concerned Cinema Halls, shopping centres
6	All Dept.	Departmental Disaster Management Plan	Sept	Nov	20,000	DDMA
7	All Dept.	Community Disaster Management Plan	May	June	5,00,000	DDMA

The primary objectives of the initiative shall be:

- To create awareness on disasters and disaster management among institution, officials and general public.
- To prepare Disaster Management plan for each management unit with Hazard and Resource Maps.
- To form Disaster Management Committees (DMC) and Task Forces within the management unit, to manage disasters and train them specifically.
- To exercise Mock Drills in each Community in a regular interval of time including evacuation exercises. Each logical unit shall collect the template/modal plan document from the DEOC at the district administration and after preparation a copy of the same shall be submitted to the DEOC and the other shall be with the management unit. This

plan document shall be updated at least bi annually and the update information shall be given to the DEOC in writing. The district DEOC shall help the management unit in conducting the planning exercises as and when they request the same.

### 5.3 Integration DRR Activities in various schemes

Possible DRR activities which can be taken up under various schemes are reflected below,

**Table 0-3 Possible activities for DRR**

Sl. No.	Scheme	Possible activities for DRR
1	MGNREGS	Drought and Flood protection measures
2	IAY	Construction of fire proof and earthquake resistance house
3	GGY	Strengthen relief lines and drainage, restoration of power distribution station,
4	Finance Commission Assistance	<ol style="list-style-type: none"> <li>1. Building capacity in the administrative machinery for better handling of disaster risk response and for preparation of District Disaster Management Plans (DMPs) as envisaged in the Disaster Management Act (2005).</li> <li>2. Relief requirements of a severe calamity could not be met from state resources.</li> <li>3. Special budgetary allocation on disaster preparedness and mitigation measures.</li> </ol>
5	NRHM	Control of epidemics, immunization etc.
6	PMKSY	Protective irrigation to all agricultural farm and flood control measures, strength embankment of water bodies
7	JALNIDHI	Drought mitigation measures through creation of captive irrigation sources through shallow tube wells, bore wells, dug wells and river lift projects
8	NFSM (Rice)	<ol style="list-style-type: none"> <li>1. Integration with the district plan and fixed targets for each identified pockets of the district.</li> <li>2. Promotion and extension of improved technologies i.e., seed, Integrated Nutrient Management including micronutrients, soil amendments, Integrated Pest Management (IPM) and resource conservation technologies along with capacity building of farmers;</li> </ol>

		3. Supply of diesel pump sets during drought
9	RKVY	1. Preparation of agriculture plans for the districts and the States based on agro-climatic conditions, availability of technology and natural resources; 2. Development of structures for to mitigate various disaster related to agricultural, horticultural and veterinary
10	Biju KBK	Building rural infrastructure on Bijli, Sadak Pani (e.g., critical roads and bridges, village electrification, minor irrigation projects, tanks, watershed and afforestation.
	MPLAD/MLALAD	Guard wall to check soil erosion
11	Western Odisha Development Council (WODC)	Construction critical road & communication, minor irrigation, construction of check dams, installation of LIPs, water supply schemes etc.
	National Afforestation Programme through FDA,s	Afforestation, control & prevention of forest fire and trench and structural measures to control soil erosion.
12	Minikit Programme, Enrichment of Crop residue and Departmental Fodder farms	Promotion of perennial roots & slips for fodder development during drought.
13	Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY): / Biju Gram Jyoti Yojana (BGJY)	To provide access to un-electrified villages
14	Odisha Power Sector Improvement Projects	Projects like Disaster Response Centre, Disaster Resilient Power System , District Headquarter Projects for reliable and un-interrupted power supply to the consumers during natural shocks

## Chapter-6: capacity Building Measure

### 6.1 Approach

Developing a DDMP without building capacity or raising awareness amongst stakeholders can be detrimental to the development of a successful and sustainable plan. Stakeholders and communities are critical components to a successful, long-term, sustainable disaster management plan. Capacity Building develops and strengthens skills, competencies and abilities of both Government and non-government officials and communities to achieve their desired results during and after disasters, as well as preventing hazardous events from becoming disasters.

Developing institutional capacity is very important. At the same time, by making the local community part of the process and solution would help in ensuring that disaster mitigation measures are more likely to be implemented and maintained over time.

### 6.2 Capacity Building of Govt. Officials, PRI Members etc.:

A series of training programmes will be organized for specialized groups like, district DDMTs, sub division and community level office bearers, head masters and principals, doctors and engineers, architects and masons and builders and contractors etc. All walks of people will be trained. This can even be on construction of buildings and other structures earth quake resistant.

- District will identify sensitization as one of the best tools to create awareness programme and preparation of Community Based Disaster Management planning. In this respect the DDMA will organize a series of programmes for the community people, school and NGOs.
- There are organizations like Civil Defence, NYK, NCC, NSS etc. which have thousands of volunteers from each nook and corners of the district. The district will train their volunteers and the wardens of these bodies in the district, thus people from various corners will be trained and sensitized in disaster management and this can make a magnifying result.
- For better sustainability of disaster management, the DDMA will think of training Civil Defence & Home Guard, NYK, NCC and NSS volunteers at the cost of the district administration and they shall be given certificate of training, identity cards as disaster managers.

- Training programmes will be organized with NGOs/CBOs in the district or they shall be funded for organizing such programmes. Corporate sponsors/Banks shall be contacted to hold such massive training programmes.

Districts to first utilize the funds available under different schemes at the district level, for capacity building activities. Besides, funds are also available under State Disaster Response Fund (SDRF). District Administration to prepare the Capacity Building plan for the district and send the same with detailed budget to SDMA for necessary funding.

**Table 0-1Proposed Training programme**

Sl.	Name of the Course/ Training Programme	Participants	Duration of the Training Program me	Month of Organi zation	To be Organiz ed by
1	Training programme on heat wave preparedness	All BDOs/ EE RWS &S, CDMO, CDVO, NGOs, etc. <b>(60 Numbers)</b>	1 day	Feb	DDMA/ Collector
2	Training programme on heat wave, snake bite, lightning, drowning casualty management	Doctors and Paramedical Staff/ ANMs <b>(100 Numbers)</b>	2 day	Feb	CDMO
3	Post disaster damage assessment	AAOs of all Blocks, RIs of Tahsils and line departments <b>(150 Numbers)</b>	2 day	Sept	DDMA/ SRC
4	Public health in emergencies- safe drinking water and sanitation	All BDOs, ULB and district level officials of PHED/ RWS & S Dept. <b>(50 Numbers)</b>	1 day	March	CDMO / EE, RWSS
5	Training of teachers on school safety including DM plan and conduct of Mock Drills	BEO / ABEO / BRCC <b>(60 Numbers)</b>	1 day	Oct	DEO
6	Block level training programmes on role of PRIs in disaster risk	Sarapanchas, ZP & PS members (50 each in two blocks)	1 day	June	BDO

	management / VDMP (in two blocks)	100)			
7	Role of Media in Disaster Risk Management	Media Personal (150 members)	1 day	Nov	DIPRO
8	Convergence and Livelihood Security: Post Disaster Strategies	Officials of the Line Dept. (100 members)	1 days	Sept	PD, DRDA/ DDA/D DMA
9	Mainstreaming DRR and CCA in Development Planning	All BDOs, Head of line departments (50 members)	1 Days	Jan	DDP/DD MA
10	Training for selected community members and NGO representatives of TWO blocks on preparation of VDMP  Training and Mock drill of VDMC member	Selected members from the GP/village at block level (70 each in two blocks 140)	2 days	June	DDMA

### 6.3 Table top Exercise:

Collector-cum-Chairman, DDMA, Bolangir will organise a table top exercise involving all district and block level key officials to assess the emergency response plans for various disasters during April/May.

### 6.4 District/ Block level Mock Drills:

Periodic mock drills will be organized involving district and block level officials/ institutions to assess the capacity and preparedness to face certain disasters. Issues faces during Mock Drill and recommendation will be incorporated in updating of DDMP. DDMP, 2019 recommends following mock drill during 2019-20.

**Table 0-2Proposed Mock Drills**

Sl.	Type of Mock Drill	Officials/ Institutions to be involved	Month/ Date
1	Industrial Accidents/ Industry Specific Mock drills	Ordinance Factory Badmal, Saintala/Key Officials of line department	March
2	Fire Accident	Fire Service, School. Colleges, ODRAF	May
3	Public Gathering	Police, Fire	September
4	Flood	ODRAF	May

## 6.5 Disaster management Education (School Safety and School Disaster Preparedness):

All educational Institutions (Both Govt. and Private) which are functioning in the districts may include organizing awareness generation programmes in schools and colleges and conducting basic mock drills for fire and other disasters. For the purpose, DDMP, 2019 proposed the following programme under Disaster management Education (School Safety and School Disaster Preparedness).

**Table 0-3Proposed School Safety and School Disaster Preparedness**

Sl. No.	Name of the Programme	No. of Schools, Colleges and Other Educational institutions to be covered during the year	Time Line	Remarks
1	Awareness generation and mock drills for fire/ earth quake etc.	10	Sept-Oct	Major Colleges and High Schools at Sub-Divisional level
2	Preparation of School disaster management plan	10	July-Aug	Major Colleges and High Schools at Sub-Divisional level
3	District level Quiz/ painting/ debate competitions	Based on the nomination received from the BEOs/DEO	Sept	District level

## 6.6 Community Capacity Building and Community Based Disaster Management:

The district has identified 1764 inhabited villages including 71 inaccessible pockets. During 2018-19, VDMC will be constituted and strengthen in 500 villages (20%). Nature of capacity building programme will be prioritised depending the type and intensity of disaster. Villages with multi-hazard vulnerability towards drought, flood, heat waves, and fire incidents has been selected in the first phase on phase manner. Utmost care has been given to include persons having prior experience as a member of the VDMC. Blocks wise numbers of villages and members to be covered under 2019-20 is as follows.

**Table 0-4Proposed CBDM**

Sl. No.	Block Name	No. of vulnerable villages to be covered during 2019-20	No. of VDMC and task force member to be oriented	No. NGOs to be involved in the process	Time line	Remarks
1	Agalpur	34	250	1	1 <sup>st</sup> week of July	VDMC and rescue team will be constituted and trained
2	Loisingha	35	250			
3	Balangir	45	250	1	1 <sup>st</sup> week of July	
4	Puintala	37	250			
5	Saintala	35	250	1	2 <sup>nd</sup> week of July	
6	Deogaon	34	250			
7	Gudvela	41	250			
8	Khprakhhol	36	250	1	3 <sup>rd</sup> week of July	
9	Belpada	38	250			
10	Patnagarh	34	250			
11	Titilagarh	29	250	1	4 <sup>th</sup> week of July	
12	Muribahal	38	250			
13	Bangomunda	37	250			
14	Turekela	29	250			
Total		500	3500	5		

## 6.7 Capacity building of Cyclone and Flood Shelter Maintenance & Management

### Committee and Task Force members:

The district does not have any cyclone/flood shelter. BNRGSK building and schools of the villages will be used as a flood/cyclone shelters. Thus, School Management Committees and GP functionaries (PRIs, PEO, GRS and GS) shall be entrusted to maintain the identified shelters at village. Task force shall be formed from the village youths.

Sl. No.	Name of the Training Programme	Total No. of Persons to be trained	No. of Training Programmes to be organized	Time Line	Remarks if any
1	School Management Committee-cum-Shelter Management Committee	710	14	Oct-Dec	NGO may be engaged to facilitate the process.

## Chapter – 7

### 7.1 Climate Change Adaptation & Mitigation

Weather and climate are the results of complex interactions between anthropogenic and natural factors. Evidence of global climate change include higher average temperatures, changes in precipitation, ocean warming, ocean acidification, sea level rise, decreasing sea ice, and changes in physical and biological systems. Observed climate change can be linked with the increase of green house gas concentrations in the atmosphere since the industrial revolution. Global surface temperature change for the end of the 21st century is likely to reach 4°C if no drastic mitigation actions are taken. Various sources of climate data exist that can support planning for climate change.

Greenhouse gases (GHGs) are trace gases in the atmosphere that absorb and emit long wave radiation. They naturally blanket the earth and keep it at about 33° C warmer than it would be without these gases in the atmosphere. The table features the seven most important greenhouse gases as regulated under the Kyoto Protocol. The seven gases each have a different capacity to trap heat in the atmosphere, or a so-called “*global warming potential*” (GWP). They all belong to the group of long-lived greenhouse gases (LLGHGs), because they are chemically stable and persist in the atmosphere over time scales of a decade to centuries or longer, so that their emission has a long-term influence on climate. Some of the GHGs occur naturally (e.g. CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O) but increases in their atmospheric concentrations over the last 250 years are due largely to human activities. Other greenhouse gases are entirely the result of human activities (e.g. HFCs, PFCs, SF<sub>6</sub> and NF<sub>3</sub>).

**Table : 6.1**

Greenhouse Gas	Global Warming Potential (GWP) (over 100 years)	% of Total Anthropogenic GHG Emissions (2010)
Carbon dioxide (CO <sub>2</sub> )	1	76%

Methane (CH <sub>4</sub> )	25	16%
Nitrous oxide (N <sub>2</sub> O)	298	6%
Hydrofluorocarbons (HFCs)	124-14,800	< 2%
Perfluorocarbons (PFCs)	7,390-12,200	< 2%
Sulphur hexafluoride (SF <sub>6</sub> )	22,800	< 2%
Nitrogen trifluoride (NF <sub>3</sub> )	17,200	< 2%

## 7.2 Important Greenhouse Gases: Carbon Dioxide (CO<sub>2</sub>)

Most important greenhouse gas (contributes ~64% to total radiative forcing by long-lived GHGs). Half of CO<sub>2</sub> emitted by human activities is being absorbed in the biosphere and in the oceans. Rest remains in the atmosphere for hundreds to thousands of years

The most important anthropogenic GHG is carbon dioxide (CO<sub>2</sub>). It accounts for around 64% of total radiative forcing due to LLGHGs. Carbon dioxide does not have a specific lifetime because it is continuously cycled between the atmosphere, oceans and land biosphere and its net removal from the atmosphere involves a range of processes with different time scales. CO<sub>2</sub> is primarily emitted as a result of burning of fossil fuels, deforestation and forest degradation and iron and steel production. Oceans and forests are the main sequesters of carbon i.e. sinks that can absorb CO<sub>2</sub> from the atmosphere. Carbon dioxide is the gas to which all other gases are compared when speaking of Global Warming Potential. Emissions of other greenhouse gases can be converted into *CO<sub>2</sub> equivalent emissions*.

**Table : 6.2**

Sl No	Name of the Industry/Plant/Firm	Location	Quantity of Co2 emission (PPM)	Ranking as per CO2 Emission (in the district)	Other major pollutants emitted (PPM)	Action taken for cutting down émission

## 7.3

### Important Greenhouse Gases: Methane (CH<sub>4</sub>)

Second most significant greenhouse gas (contributes ~18% to total radiative forcing by long-lived GHGs). Approximately 40% of methane is emitted into the atmosphere by natural sources. About 60% comes from human activities & Stays in the atmosphere for approximately 12 years.

The second most significant anthropogenic GHG is methane (CH<sub>4</sub>) which contributes to approximately 18% of total radiative forcing due to LLGHGs. Approximately 40% of methane is emitted into the atmosphere by natural sources (e.g. wetlands and termites). About 60% comes from human activities (e.g. cattle breeding, rice agriculture, fossil fuel exploitation, landfills and biomass burning). Methane is mostly removed from the

atmosphere by chemical reactions, persisting for about 12 years. Thus although methane is an important greenhouse gas, its effect is relatively short-lived.

**Table : 6.3**

Sl No	Name of the Block	Major Sources	Annual émission (In PPM)	Ranking as per CH4 Emission (PPM)	Action taken for cutting down émission

#### 7.4 Important Greenhouse Gases: Nitrous Oxide(N<sub>2</sub>O)

The third most significant greenhouse gas (contributes ~6% to total radiative forcing by long-lived GHGs). Stays in the atmosphere for approximately 114 years. Nitrous oxide is emitted into the atmosphere from both natural (about 60%) and anthropogenic sources (approximately 40%).

Nitrous oxide is the third most significant GHG, contributing to about 6% of radiative forcing due to LLGHGs. The primary human sources of N<sub>2</sub>O are fertilizer production and use in agriculture and various industrial processes. It is estimated that N<sub>2</sub>O stays in the atmosphere for an estimated 114 years. Its impact on climate, over a 100-year period, is 298 times greater than equal emissions of carbon dioxide. It also plays an important role in the destruction of the stratospheric ozone layer which protects us from the harmful ultraviolet rays of the sun.

**Table : 6.4**

Sl No	Name of the Block	Fertiliser /Industrial processes	Annual Usage (In tonnes)	Ranking as per N <sub>2</sub> O Emission (PPM)	Other major pollutants emitted (PPM)	Action taken for cutting down émission

#### 7.5 Important Greenhouse Gases: Fluorinated Gases

Global warming effect up to 23,000 times greater than carbon dioxide. Stay in the atmosphere up to 50,000 years. Three main groups: hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF<sub>6</sub>). Mainly developed as substitutes for ozone-depleting substances

Fluorinated gases are a family of man-made gases used in a range of industrial applications. Sources include refrigerants, air-conditioning, solvents, aluminium and magnesium production, etc. Many fluorinated gases have very high global warming potentials (GWPs) relative to other greenhouse gases. That means small atmospheric concentrations can have large effects on global temperatures. They can also have long atmospheric lifetimes, in some cases, lasting thousands of years. Fluorinated gases are removed from the atmosphere only when they are destroyed by sunlight in the far upper

atmosphere. In general, fluorinated gases are the most potent and longest lasting type of greenhouse gases emitted by human activities. There are three main categories of fluorinated gases: hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF<sub>6</sub>).

- Hydrofluorocarbons (HFCs) are the most common group of *F-gases*. They are used in various sectors and applications, such as refrigerants in refrigeration, air-conditioning and heat pump equipment; as blowing agents for foams; as solvents; and in fire extinguishers and aerosol sprays.
- Perfluorocarbons (PFCs) are typically used in the electronics sector (for example for plasma cleaning of silicon wafers) as well as in the cosmetic and pharmaceutical industry. In the past PFCs were also used in fire extinguishers and can still be found in older fire protection systems.
- Sulphur hexafluoride (SF<sub>6</sub>) is used mainly as an insulating gas, in high voltage switchgear and in the production of magnesium and aluminium.

**Table : 6.5**

Sl No	Name of the Industry/Firm/Plant	Location	Annual émission (In PPM)	Ranking as per flourinated gas Emission (PPM)	Action taken for cutting down émission

## 7.6 Important Green House Gases: chlorofluorocarbons (CFCs)

Chlorofluorocarbons (CFCs) an important Green House Gas contribute about 12% to radiative forcing by long-lived GHGs has not been included in the Kyoto Protocol because they are already regulated under the Montreal Protocol on Substances that Deplete the Ozone Layer which entered into force in 1989. The Montreal Protocol includes, for example, chlorofluorocarbons (CFCs) which contribute about 12% to total radiative forcing by LLGHGs. CFCs can stay in the atmosphere for more than 1,000 years. CFCs have a global warming potential (GWP) that ranges between 4,750 and 14,400 (over 100 years time span). CFCs are used in the manufacture of aerosol sprays, blowing agents for foams and packing materials, as solvents, and as refrigerants.

**Table : 6.6**

Sl No	Name of the Industry/Firm/Plant	Location	Annual émission (In PPM)	Ranking as per flourinated gas Emission (PPM)	Action taken for cutting down émission

*Ref.: IPCC (2007). Fourth Assessment Report, Technical Summary – Changes in Human and Natural Drivers of Climate & UNEP (2012). Emissions Gap Report; WMO (2013). Greenhouse Gas Bulletin*

## 7.7 Green House Gas Sequestration

In order to prevent dangerous anthropogenic interference with the climate system, actions need to be taken to stabilize greenhouse gas concentrations in the atmosphere. Such actions are referred to as “climate change mitigation”. More specifically, climate Change mitigation involves:

- reducing GHG emissions, e.g. by making older equipment more energy efficient;
- preventing new GHG emissions to be released in the atmosphere, e.g. by avoiding the construction of new emission-intensive factories;
- preserving and enhancing sinks and reservoirs of GHGs, e.g. by protecting natural carbon sinks like forests and oceans, or creating new sinks (“carbon sequestration”).

*Source: UNFCCC (2009). Fact Sheet: The Need for Mitigation*

### Major Greenhouse Gases Contributors (Anthropogenic) to Climate Change (Table : 6.7)

Greenhouse Gas	Human Source (Examples)	% of Total Global GHG Emissions (2010)
Carbon dioxide (CO <sub>2</sub> )	Fossil fuel combustion, land use changes, cement production, etc	76%
Methane (CH <sub>4</sub> )	Fossil fuel mining/distribution, livestock, rice agriculture, landfills, etc	16%
Nitrous oxide (N <sub>2</sub> O)	Agriculture (fertilisers) and associated land use change, etc	6%
Hydrofluorocarbons (e.g. HFCs)	Liquid coolants, etc	< 2%
Perfluorocarbons (e.g. PFCs)	Refrigerant, electronics industry and aluminium industry, etc	< 2%
Sulphur hexafluoride (SF <sub>6</sub> )	Insulator in electronics and magnesium industry, etc	< 2%
Nitrogen trifluoride (NF <sub>3</sub> )	Electronics and photovoltaic industries, etc	< 2%

Source: Reproduced from IPCC 2007, UNEP 2012, and FERN

The global community has committed itself to hold warming below 2°C (compared to pre-industrial temperatures) to prevent dangerous climate change. The 2013 IPCC report on the physical science basis of climate change provides a “budget approach” to this goal, looking at total allowable CO<sub>2</sub> emissions level to meet the 2°C target. The report states that in order to have a greater than two in three chance of keeping *global warming* below 2°C, cumulative emissions of CO<sub>2</sub> cannot exceed 1,000 Gigatonnes of carbon (GtC). As of 2011, more than half this amount, or over 500 GtC, has already been emitted since 1861-1880. When the effects of other greenhouse gases are included, even less CO<sub>2</sub> could be emitted to keep below a 2°C warming.

Current annual emission levels are at 9.5 GtC and are likely to grow every year due to population growth and economic development patterns. If annual emissions continue to grow as in past years (“business as usual” scenario) the carbon budget will be exhausted in the next three decades.

Source: IPCC (2013). *Climate Change 2013 – The Physical Science Basis, Summary for Policymakers*

**Details of forest as a major Carbon sink (District) (Table : 6.8)**

Reserved Forest / Protected Forest (in Sq. KM)	Revenue / Village Forest (in Sq. KM)	Private owned Forests (in Sq. KM)	Others (If any) (in Sq. KM)	Total (in Sq. KM)

**7.8 Sectors with High Mitigation Potential (Table : 6.9)**

Sl No	Sectors	Mitigation Options
1	Energy	<ul style="list-style-type: none"> <li>• Use of renewable heat and power (hydropower, solar, wind, geothermal and bio-energy)</li> <li>• Improved supply and distribution efficiency</li> <li>• Carbon capture storage (CCS)</li> <li>• Combined heat and power</li> </ul>
2	Transport	<ul style="list-style-type: none"> <li>• More fuel efficient vehicles</li> <li>• Use of alternative energy sources (biofuels, cleaner diesel, etc.)</li> <li>• Better land-use and transport planning</li> <li>• Shift from individual transport to public transport systems</li> <li>• More efficient driving practices</li> <li>• Non-motorized transport (cycling, walking)</li> </ul>
3	Industry	<ul style="list-style-type: none"> <li>• Process-specific technologies that improve efficiency and reduce emissions</li> <li>• Material recycling and substitution</li> <li>• Heat and power recovery/cogeneration</li> <li>• Control of greenhouse gas emissions</li> </ul>
4	Agriculture	<ul style="list-style-type: none"> <li>• Manure and livestock management to reduce CH<sub>4</sub> emissions</li> <li>• Improved fertilizer application techniques to reduce N<sub>2</sub>O emissions</li> <li>• Improved crop and grazing land management to increase soil carbon storage</li> <li>• Restoration of cultivated peaty soils and degraded lands</li> <li>• Agro-forestry practices</li> </ul>
5	Forestry	<ul style="list-style-type: none"> <li>• Reduced deforestation</li> <li>• Afforestation/reforestation</li> <li>• Forest management</li> <li>• Tree species improvement to increase biomass productivity and carbon sequestration</li> </ul>
6	Waste	<ul style="list-style-type: none"> <li>• Landfill methane recovery</li> <li>• Waste incineration with energy recovery</li> <li>• Composting of organic waste</li> <li>• Controlled wastewater treatment</li> <li>• Recycling and waste minimization</li> <li>• Biocovers and biofilters to optimize CH<sub>4</sub> oxidation</li> </ul>

## Chapter – 8

### Safety of Schools and Child Care Institutions

#### Implementation of School Safety Policy Guidelines 2016 (SSP-2016 Guidelines)

##### 8.1

##### Order on WP(C) 483/2004 of Hon'ble Supreme Court

The Hon'ble Supreme Court vide orders of dated 14.08.2017 in WP (C) 483/2004, directs vide letter no 2437/2004/SC/PIL/(WRIT) dt. 23.08.2017 that the School Safety Policy (SSP) 2016 guidelines issued by NDMA are statutory in nature and shall be implemented in letter and spirit by all concerned authorities for all schools. The direction of the Supreme Court in Implementation of the School Safety Policy Guidelines Inter-alia postulates as follow:

- Time bound implementation of the Guidelines
- District Disaster Management Authority to ensure and monitor compliance of the said Guidelines
- District Education Officer of each District to be a "Nodal officer" with responsibility, liability and obligation as well as powers and functions to ensure strict compliance with the Guidelines within the district of his jurisdiction.
- Joint Monitoring Committee consisting of representations of both Department of School Education & Literacy, Ministry of HRD and NDMA
- Quarterly compliance reports from the Chief Secretary to MHRD and NDMA on the actions taken.

Hon'ble Supreme Court has also defined few actions at different levels to ensure school safety

<b>State &amp; District Level</b> <ul style="list-style-type: none"> <li>• Policy for safety audits in all schools</li> <li>• 'Stability certificate' by Government-certified engineer.</li> <li>• Manual for fire safety procedures and other safety precautions</li> <li>• The National Building Code of India, 2005, to construct fire-safe buildings. (Revised 2016)</li> </ul>	<b>School Level:</b> <ul style="list-style-type: none"> <li>• Schools must take appropriate safety measures and an emergency response plan that delineates staff responsibilities, communication modes, and training and updating procedures for all members of the faculty, staff and students.</li> <li>• Fire insurance coverage should be made mandatory for all schools.</li> <li>• Ensuring that the kitchen in the precincts of the school has adequate safety mechanisms.</li> </ul>
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**Ref. :** Fire Safety Measures in School s(Section 3.1 p-23) / Training of School Teachers & Other Staff (Section 3.1 p-25) /School Building Specifications (Section 3.1 p-27) Clearance & Certificates (Section 3.1 p-29) SC. **Judgement on WP(C) 483/2004**

## 8.2 Guidelines on School Safety Policy, 2016- NDMA

The School Safety encompasses “ the creation of safe environments for children starting from their homes to their schools and back.” This as well includes safety from large-scale natural hazards, human made risks, pandemics, violence as well as more frequent and smaller-scale fires, transportation and other related emergencies and environmental threats that can adversely affect the lives of children.

### **Vision :**

- The Guidelines stand for a vision of India where all children and their teachers, and other stakeholders in the school community are safe from any kind of preventable risks that may threaten their well being during the pursuit of education.
- Educational continuity is maintained/ resumed even in the immediate aftermath of a disaster so that Children are physically, mentally and emotionally secure within their schools.

### **Approach and Objectives**

- All hazard approach.
- All schools; all stakeholders 2. Strengthening existing policy provisions to make schools safer
- School Safety as an indicator of quality for continued planning, execution and monitoring
- Primary objective is to ensure the creation of safe learning environment for children.
- Also seek to highlight specific actions towards school safety that can be undertaken by different stakeholders within the existing framework of delivery of education.

### **Applicability**

- The National School Safety Policy Guidelines apply to all schools in the country- whether government, aided or private, irrespective of their location in rural or urban areas.
- They apply to all stakeholders involved in delivery of education to Children in India

### **All hazard approach**

- School Safety efforts needs to take cognizance of all kinds of hazards that may affect the wellbeing of children.
- Hazards include structural and non-structural factors.
- Structural factors include dilapidated buildings, poorly designed structures, faulty construction, poorly maintained infrastructure, loose building elements, etc.
- Non Structural factors include loosely placed heavy objects such as almirahs, infestation of the campus by snakes and any other pests, broken or no boundary walls, uneven flooring, blocked evacuation routes, poorly designed and placed furniture that may cause accidents and injury, inadequate sanitation facilities, etc.

### **Right to Education Act 2009**

- The Act sets minimum norms and standards with regard to location and quality of schools and in Clause 19, lays down that no school shall be established, or recognized unless it fulfills the norms and standards specified in the schedule.
- One of the key standards is in relation to access to “all weather buildings”; in “areas with difficult terrain, risk of landslides, floods, lack of roads and in general, danger for young children in the approach...”
- the State Government / Local Authority shall locate the school in such a manner as to avoid such dangers”.
- The Act lays down the formation of the School Management Committee for planning of infrastructure and other requirements with respect to operational functioning of schools.

- The School Development Plan, as laid out by the Act, spells out the physical requirements of additional infrastructure and equipments to meet the norms spelt out in the schedule (in relation to all weather buildings).

### Key Action Areas

- 1. Institutional strengthening at the State & District levels**
  - Co-opting senior officials of the Department of Education in SDMA and DDMA.
  - Nomination of School Safety Focal Point Teacher & Sensitization of School Management Committee on DM.
- 2. Planning for Safety**
  - Structural Measures (including siting, design and detailing for structural safety).
  - Non structural Measures.
  - Preparation & implementation of School Disaster Management Plan.
  - Leveraging existing flagship programmes to make school campus safer.
- 3. Capacity building for safe schools**
  - Training for students and school staff
  - Specialized training and skill building of Education officers, representatives of SCERT and DIET, SDMA, DDMA, etc on school safety
  - Mock Drills
- 4. Disaster Management in Core Curriculum**
- 5. Regular monitoring of risk and revision of School Safety Plans (including Safety Audits & Availability of Emergency Equipment).**

### 8.3 Category & type of schools

Name of the Block	Government Schools				Government Aided schools		Private Schools	
	Elementary		Secondary		Elementary	Secondary	Elementary	Secondary
	Rural	Urban	Rural	Urban				
NA	NA	NA	NA	NA	NA	NA	NA	NA

### 8.4 Category & type of students

Name of the Block	Government Schools				Government Aided schools		Private Schools	
	Elementary		Secondary		Elementary	Secondary	Elementary	Secondary
	Rural	Urban	Rural	Urban				
NA	NA	NA	NA	NA	NA	NA	NA	NA

### 8.5 School Safety Advisory Committee (District)

1. Date of Formation
2. Institutional Architecture

Sl No	Name & Designation	Contact No.	Email ID	Remarks
NA	NA	NA	NA	NA

### 8.6 Details of School Safety in the district

Sl No	Activity	Total School	Achieved				
			Block 1	Block2	Block 3	Block 4	Total
1	Schools having School Safety Advisory Committee <b>(Number)</b>						
2	Schools having Scholl Disaster management Plan <b>(Number)</b>						
3	Schools having conducted Safety Audits (Structural) <b>(Number)</b>						
b	Safety Audits (Non-Structural) <b>(Number)</b>						
4	Schools having conducted Annual Mock Drills <b>(Number)</b>						
5	Schools Having Fire Extinguisher <b>(Number)</b>						
6	Schools Adhering to safety norms in storing inflammable & Toxic Material <b>(Number)</b>						
7	Schools confirming safety standards as per local building bye-laws (Latest) <b>(Number)</b>						
8	Schools having issued Recognition certificate under sub Rule(4)-Rule 15 of RTE rules 2010 (only to schools that comply with Structural safety norms) <b>(Number)</b>						
9	Schools where students & teachers undergo regular training on School Safety & Disaster Preparedness <b>(Number)</b>						
10	Schools where disaster management is being taught as part of the curriculum <b>(Number)</b>						

### 8.7 Disaster management Education (School Safety and School Disaster Preparedness):

*[Disaster management education should include organizing awareness generation programmes in schools and colleges and conducting basic mock drills for fire and other disasters. For the purpose, in the first phase district level high schools and colleges (both govt. and private) may be taken into consideration.]*

Sl. No.	Name of the Programme	No. of Schools, Colleges and Other Educational institutions to be covered during the year	Time Line	Remarks
1	Awareness generation and mock drills for fire/earth quake etc.	Yet to cover		
2	Preparation of School disaster management plan	Under progress		

### Details of Child Care Institutions

Sl No.	Block /ULB	Name and Address of the Organization	Boys	Girls	Total No of Children	Name and Contact no. of the Shift-In-Charge	Fire safety Equipment (Fire Extinguisher ,Alarm)	Staff Training on Fire Safety Equipem ent	Near by open space for evacua tion	Alternat ive Shelter Identifie d
1	Deogaon	<b>Gram Mangal Pathagar, Salepali</b> At-Salepali Po-Jarasingha ,Ps –Tusura Dist-Balangir	34	16	50	Suresh Mahakur Mob. No.933727 6152	Yes	Yes	Yes	Shifting other safe CCl's
2	Balangir	<b>Parvati Giri Balaniketan ,Patharchepa</b> At-Patharchepa Po-Sadeipali ,Ps-Sadar P.S. Dist-Balangir	26	61	87	Ashish Khamari Mob No.768496 2194	Yes	Yes	Yes	Shifting other safe CCl's
3	Saintala	<b>Gurukul Saptarsi Sebasharm, Deogaon, Dhumabhata</b> At-Deogaon ,PO-Dhumabhata Ps-Saintala ,Dist-Balangir	46	0	46	Manohar Bag Mob No. 933734226 1	Yes	Yes	Yes	Shifting other safe CCl's
4	Agalpur	<b>Manav Kalyan Sebasharm, Bagjhula</b> At-Bagjhula ,Po-Rinbachan ,Block –Agalpur Dist-Balangir	0	0	0	Non-availability of staff	No	No	Yes	Shifting other safe CCl's
5	Balangir	<b>Adruta Children Home, Balangir</b> At-Chantiapali Near Rajendra College ,Po-Rajendra College Dist-Balangir	19	0	19	Ajit Kumar Lima Mob No. 824749524 6	No	No	Yes	Shifting other safe CCl's

## Chapter 9- Preparedness

### 9.1 Relief Lines: District to Blocks

Sl. No	Name of the Road		Type of Road & Length	Vulnerability of the route (Description of the Vulnerability)	Coverage (Blocks)
	From	To			
1	Balangir	Titilagarh	NH 26 - 42 Kms ODR/MDR - 28 Kms	<ul style="list-style-type: none"> <li>Small Culvert in between Khulan and Naren village.</li> <li>Forest Rout from Siker to Badmal where road blockage may be occurred.</li> </ul>	Balangir, Deogaon, Saintala, Titilagarh
2	Balangir	Bangomunda	SH 42 - 95 Kms	<ul style="list-style-type: none"> <li>Forest Rout from Mutkhai to Dhamandanga where road blockage may be occurred.</li> </ul>	Balangir, Patnagarh, Belpada, Bangomunda
3	Balangir	Puintala	NH 57 - 3.5 Kms	<ul style="list-style-type: none"> <li>Railway crossing at Sudhbada, Balangir</li> </ul>	Puintala
4	Balangir	Agalpur (Duduka)	NH 26 - 31 Kms ODR/MDR - 7 Kms	<ul style="list-style-type: none"> <li>Small culvert nearby Siva Temple Babu Fasad</li> <li>Small culvert nearby Salebhata (3 Kms after Salebhata )</li> </ul>	Balangir, Loisingha, Agalpur
5	Balangir	Khaprakhola	SH 42 Kms (Patnagarh) ODR/MDR - 28 Kms	<ul style="list-style-type: none"> <li>Small culvert nearby Jogimunda and Bhatharla.</li> <li>Forest Rout from Bhatharla to Khaprakhola where road blockage may be occurred.</li> </ul>	Balangir, Patnagarh, Khaprakhola
6	Balangir	Gudvela	NH 26 - 22 Kms (via Deogaon Airstrip Rd) ODR/MDR - 23 Kms	<ul style="list-style-type: none"> <li>Nearby Dungipali, road may be washed ways due to flood in Tel River.</li> </ul>	Balangir, Deogaon, Gudvela

### 9.2 Relief Line Channels: Block to GPs & Villages (Based on past records)

Sl. No	Name of the Road			Population	Type of Road	Length	Vulnerability of the route (Description)	Name of the Road
	From	GP	Village					

							of the Vulnerability)	
1	Agalpur	Budula	Budula	1263	GPR/PSR/RR	15	Cut off due to flood during monsoon	
2	Agalpur	Nagaon-A	Nagaon	2165	GPR/PSR/RR	18	Cut off due to flood during monsoon	Agalpur to RD Duduka
3	Agalpur	Nagaon-A	Kanthipali	375	GPR/PSR/RR	14	Cut off due to flood during monsoon	
4	Agalpur	Babufasad	Ghuchepali	849	GPR/PSR/RR	12	Cut off due to flood during monsoon	
5	Agalpur	Duduka	Duduka	3137	GPR/PSR/RR	1	Cut off due to flood during monsoon	
6	Agalpur	Salebhata	Salebhata	3571	NH/PSR/RR	4	Cut off due to flood during monsoon	Agalpur to Salebhara NH
7	Agalpur	Salebhata	Mursundha	1916	GPR/PSR/RR	8	Cut off due to flood during monsoon	
8	Loisinga	Hirapur	Tebhadunguri/Gopalpur	547	GPR/PSR/RR	10	Cut off due to flood during monsoon due to Kusnagai Jor	
9	Loisinga	Rengali	Rengali	1316	GPR/PSR/RR	45	Cut off due to flood during monsoon	
10	Loisinga	Rengali	Kapilbahal	1016	GPR/PSR/RR	47	Cut off due to flood during monsoon due to Suktel river	
11	Loisinga	Rengali	Kumiapali	1357	GPR/PSR/RR	48	Cut off due to flood during monsoon due to Suktel river	
12	Loisinga	Dunguripali	Magurbeda	671	GPR/PSR/RR	42	Cut off due to flood during monsoon near by Paridhaipali due to Suktel river	
13	Puintala	Gaintala	Gaintala	2585	GPR/PSR/RR	3	Cut off due to flood during monsoon	

14	Puintala	Gaintala	Brahmanipali	945	GPR/PSR/RR	4	Cut off due to flood during monsoon	
15	Puintala	Gaintala	Lakhapali	617	GPR/PSR/RR	4	Cut off due to flood during monsoon	
16	Balangir	Chudapali	Chudapali	2921	GPR/PSR/RR	22	Cut off due to flood during monsoon	
17	Puintala	Chhatapipal	Chhatapipal	1479	GPR/PSR/RR	19	Cut off due to flood during monsoon	
18	Deogaon	Brahmanijor	Brahmanijor	1191	GPR/PSR/RR	21	Cut off due to flood during monsoon nearby Plain Causeway at Brahmanijor	
19	Deogaon	Sarasmal	Sarasmal	975	GPR/PSR/RR	18	Cut off due to flood during monsoon	
20	Deogaon	Dhandamal	Dhandamal	706	GPR/PSR/RR	18	Cut off due to flood during monsoon	
21	Deogaon	Kuturla	Hatisara	1245	GPR/PSR/RR	5	Cut off due to flood during monsoon	
22	Deogaon	Kultapara	Singhatimal	330	GPR/PSR/RR	28	Cut off due to flood during monsoon	
23	Deogaon	Arjunpur	Arjunpur	941	GPR/PSR/RR	22	Cut off due to flood during monsoon	
24	Deogaon	Badabahal	Kendughat	428	GPR/PSR/RR	27	Cut off due to flood during monsoon	
25	Deogaon	Goudgoth	Gaurgoth	2472	GPR/PSR/RR	26	Cut off due to flood during monsoon	
26	Deogaon	Goudgoth	Ratakhandi	1479	GPR/PSR/RR	28	Cut off due to flood during monsoon	
27	Gudvella	Biramunda	Demuhan	844	GPR/PSR/RR	5	Cut off due to flood during monsoon	
28	Gudvella	Biramunda	Sandhisara	480	GPR/PSR/RR	8	Cut off due to flood during monsoon	
29	Gudvella	Biramunda	Biramunda	827	GPR/PSR/RR	10	Cut off due to flood during	

							monsoon	
30	Gudvella	Jamut	Tikiripada	410	GPR/PSR/RR	10	Cut off due to flood during monsoon	
31	Gudvella	Jamut	Jamut	1073	GPR/PSR/RR	8	Cut off due to flood during monsoon	
32	Gudvella	Madhekel	Lukapara	563	GPR/PSR/RR	9	Cut off due to flood during monsoon	
33	Gudvella	Nuapada	Nuapara	2604	GPR/PSR/RR	16	Cut off due to flood during monsoon	
34	Gudvella	Nuapada	Kapsila	2051	GPR/PSR/RR	16	Cut off due to flood during monsoon	
35	Gudvella	Tentulikhunti	Tentulkhunti	1192	GPR/PSR/RR	7	Cut off due to flood during monsoon	
36	Gudvella	Ghuna	Ghuna	535	GPR/PSR/RR	2	Cut off due to flood during monsoon	
37	Gudvella	Jamut	Tinkamal	307	GPR/PSR/RR	12	Cut off due to flood during monsoon	
38	Gudvella	Jamut	Lartara	440	GPR/PSR/RR	15	Cut off due to flood during monsoon	
39	Gudvella	Gudvella	Amgaon	280	GPR/PSR/RR	6	Cut off due to flood during monsoon	
40	Gudvella	Ghuna	Tarsuguda	307	GPR/PSR/RR	6	Cut off due to flood during monsoon	
41	Gudvella	Ghuna	Bakbahal	464	GPR/PSR/RR	7	Cut off due to flood during monsoon	
42	Gudvella	Jamut	Raksibhat	276	GPR/PSR/RR	22	Cut off due to flood during monsoon	
43	Patnagarh	Phatamunda	Fatamunda	701	GPR/PSR/RR	20	Cut off due to flood during monsoon due to Nahak Jor	Kuturla to Fatamunda Road
44	Khapra	Bender	Bender	1220	GPR/PSR/SH	12	Cut off due to flood during monsoon	Khapra to Bender via Fulkim

								unda SH/GP Road
45	Turekela	Kuibahal	Kuhibahal	1420	GPR/PSR /RR	4	Cut off due to flood during monsoon	Turekel a to Kamei munda GP/PS Road
46	Turekela	Kamei munda	Kameimu nda	743	GPR/PSR /RR	6	Cut off due to flood during monsoon	Turekel a to Kamei munda GP/PS Road
47	Turekela	Kandei	Kandei	954	GPR/PSR /RR	17	Cut off due to flood during monsoon	Turekel a to Mahak hand RD Road
48	Turekela	Mahakh anda	Mahakhan d	1599	GPR/PSR /RR	15	Cut off due to flood during monsoon	Turekel a to Mahak hand RD Road
49	Belpara	Parlima l	Parlimal	2416	GPR/PSR /RR	9	Cut off due to flood during monsoon	
50	Belpara	Bagdor	Bagdor	1065	GPR/PSR /RR	14	Cut off due to flood during monsoon	
51	Belpara	Sarmuh an	Sarmuhan	1306	GPR/PSR /RR	7	Cut off due to flood during monsoon	
52	Belpara	Sulekel a	Solekela	3094	GPR/PSR /RR	15	Cut off due to flood during monsoon	
53	Saintala	Tikarap ada	Tikrapara	3094	GPR/PSR /RR	28	Cut off due to flood during monsoon	
54	Muribahal	Ichhapa da	Ichhapara	907	GPR/PSR /RR	14	Cut off due to flood during monsoon	Murhib al to SH Gudug har Road
55	Muribahal	Chalki	Chalki	1745	GPR/PSR /RR	17	Cut off due to flood during	Murhib ahal

							monsoon	toKarla banken RD Road
56	Muribahal	Chalki	Bankel	254	GPR/PSR /RR	30	Cut off due to flood during monsoon	Murhib ahal toKarla banken RD Road
57	Saintala	Budaba hal	Budabahal	246	GPR/PSR /RR	15	Cut off due to flood during monsoon	
58	Saintala	Dungrip alli	Dunguripa li	531	GPR/PSR /RR	12	Cut off due to flood during monsoon	
59	Saintala	Siskela	Siskela	3124	GPR/PSR /RR	18	Cut off due to flood during monsoon	
60	Bangomu nda	Belpada	Dangia	481	GPR/PSR /RR	12	Cut off due to flood during monsoon	
61	Titlagarh	Kursud	Kursud	2746	GPR/PSR /RR	35	Cut off due to flood during monsoon due to Under river	
62	Titlagarh	Digsira	Digisira	2589	GPR/PSR /RR	25	Cut off due to flood during monsoon due to Under river	
63	Titlagarh	Kuskela	Kuskela	1578	GPR/PSR /RR	20	Cut off due to flood during monsoon due to Under river	
64	Titlagarh	Siluan	Siluan	1446	GPR/PSR /RR	15	Cut off due to flood during monsoon due to Under river	
65	Titlagarh	Marlad	Marlad	1383	GPR/PSR /RR	13	Cut off due to flood during monsoon due to Under river	
66	Titlagarh	Binerke la	Bineikela	1530	GPR/PSR /RR	18	Cut off due to flood during	

							monsoon due to Under river	
67	Titlagarh	Ghanta bahali	Ghantabah ali	1856	GPR/PSR /RR	12	Cut off due to flood during monsoon due to Under river	
68	Titlagarh	Luthurb andha	Luthurban dh	2825	GPR/PSR /RR	19	Cut off due to flood during monsoon due to Tel river	
69	Titlagarh	Bhalega on	Bhalegaon	1585	GPR/PSR /RR	14	Cut off due to flood during monsoon due to Tel river	
70	Titlagarh	Banjipa dar	Banjipadar	789	GPR/PSR /RR	9	Cut off due to flood during monsoon due to Tel river	
71	Titlagarh	Bijepur	Bijepur	2089	GPR/PSR /RR	15	Cut off due to flood during monsoon due to Tel river	

### 9.3 Resources available: Response force & Volunteers

Sl. No	Response Force/	Capacity (In Nos.)	No. of trained person			Name of Nodal Person	Contact Details (Mobile/Phone)
			Search /Rescue	First Aid	Relief line Clearance		
1	NDRF	-	-			M.K. Yadav	09439103170
2	ODRAF	41 (50)	41			Ashish Kumar Singh, IPS	8895046814
3	Police	848 (967)	0			Ashish Kumar Singh, IPS	8895046814

4	Home Guards	557 (631)	0	Ashish Kumar Singh, IPS	8895046814
5	Civil Defense	0	0	-	-
6	NCC	1200	0	GS Ramarao	06652-250755
7	NSS	1500	0	Ajit Ku Bhoi	9937382911
8	NYK	12	0	Bipin Bihari Jena	9437080540
9	Trained Task force	0			

#### 9.4 Preparedness at District level

All the actions mentioned above are to be carried out by different departments/agencies participating in the District Disaster Management Plan. It is necessary that all the departments have well defined standard operating procedures and preparedness checklists. It is absolutely important that all the departments / agencies are very familiar with the overall plan and the procedures specifically applicable to them and report diligently upon their implementation. The Standard Operating Procedures (SOPs) of various departments at district level and given as under:

Task	Activity
District Emergency operation Centre (DEOC)	<ul style="list-style-type: none"> <li>➤ Test Checkup of all communication Interfaces in regular interval</li> <li>➤ Proper manning of the Control Room as per Para-10 of the Odisha Relief Code</li> <li>➤ A dedicated vehicle must be earmarked for Control Room</li> </ul>
Upward & Downward Communication	<ul style="list-style-type: none"> <li>➤ Have a list of Nodal person with contact details</li> <li>➤ Establish regular linkages with all important stakeholders</li> <li>➤ Contact SEOC regularly</li> </ul>
Meeting of DDMA (Heads of the department & stakeholder)	<ul style="list-style-type: none"> <li>➤ DDMA must meet twice every year &amp; before any disaster</li> <li>➤ Fix time &amp; venue for regular Preparedness meeting to Assess preparedness of District /Department /Civil Society /Block Community /Family /Individual level regularly</li> <li>➤ Circulate the minutes of the meeting with clear-cut role &amp; responsibility</li> </ul>
Capacity Building	<ul style="list-style-type: none"> <li>➤ Identifying &amp; designating Nodal Officer for different Dept.</li> <li>➤ Capacity building &amp; skill upgradation of ODRAF/Fire services/ Police/Home Guard</li> <li>➤ Identify Volunteer like Civil Defense/Cyclone shelter Task Force/NCC/NSS/Scout &amp; Guide &amp; train them on Search &amp; Rescue, First aid, evacuation etc.</li> <li>➤ Take stake of required materials for search &amp; rescue, first aid, casualty management, evacuation, relief etc. &amp; update IDRN portal regularly</li> <li>➤ Assess preparedness through Mock drill at District, Block &amp; Community level</li> </ul>
Shelter Management	<ul style="list-style-type: none"> <li>➤ Take necessary steps for operation &amp; maintenance of shelters</li> <li>➤ Test Check of various Equipment at shelter level &amp; repair of the defective ones</li> <li>➤ Ensure regular meeting of Shelter committee</li> <li>➤ Assess Shelter level preparedness through Mock drill I</li> </ul>
Planning & Reporting	<ul style="list-style-type: none"> <li>➤ Collect &amp; transmit Rain fall data regularly</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Collect &amp; transmit weather report regularly</li> <li>➤ Ensure preparation of Disaster Management Plans &amp; Safety plans at all levels</li> <li>➤ Capacity building of all Stake holders</li> <li>➤ Integrate the District plan with block &amp; Village disaster management Plans</li> <li>➤ Develop healthy media partnership</li> </ul>
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### 9.5 Preparedness at Community Level

Task	Activity
Early Warning Dissemination	<ul style="list-style-type: none"> <li>➤ Build regular linkages with BEOC &amp; DEOC</li> <li>➤ Test Check of various Equipment at shelter level &amp; repair of the defective ones</li> <li>➤ Keep updates from BEOC/DEOC</li> <li>➤ Monitor &amp; Transmit updates to BEOC</li> <li>➤ Supply required information to BEOC &amp; DEOC</li> </ul>
Ensuring Preparedness	<ul style="list-style-type: none"> <li>➤ Have a list of Nodal person deployed in the village with contact details</li> <li>➤ Identification of safer routes &amp; shelters</li> <li>➤ Identify possible ways to reach persons like Farmers/Fisherman/NTFP collectors etc. who ventures into fields, sea &amp; forest respectively</li> <li>➤ Build teams from among the task force on Search &amp; Rescue, First aid, Damage &amp; loss assessment</li> <li>➤ Assess preparedness at Family/Individual level</li> <li>➤ Test Check-up of equipment's</li> </ul>
	<ul style="list-style-type: none"> <li>➤ Understand Local dynamics exposed &amp; vulnerable to different disaster</li> <li>➤ local Social Economic &amp; weather conditions</li> <li>➤ Develop Village DM plan</li> <li>➤ List of emergency contact Nos. &amp; display it in Centre places.</li> <li>➤ Participate in the activities of Preparing village Disaster Management, developing Safety plans, Capacity building Programmes &amp; Mock Drills</li> </ul>

### 9.6 Preparedness at Family Level

Task	Activity
Warning Communication	<ul style="list-style-type: none"> <li>➤ List the minimum Important requirements Keep all the important Documents in a water proof polythene</li> <li>➤ Record the Safe &amp; alternative routes to shelter</li> <li>➤ Keep News update in Radio/TV</li> </ul>
Preparedness	<ul style="list-style-type: none"> <li>➤ Always keep in readiness a “Ready to go Emergency Kit” containing Dry food (for 72 hours x Family member), Drinking water (2ltr/per person per day), Hand wash/soap, Important Documents/Valuables, Whistle/match box/lighter/ torch/battery/ umbrella, Mobile &amp; charger / radio</li> <li>➤ Family must have a “Ready to go First Aid Kit” containing Iodine/ Band aids/ Cotton/ Medicines/ ORS/ ointments/ scissor/ halogens etc.</li> <li>➤ Assess preparedness on a regular basis by checking Radio/Mobile/ Emergency Kit/First Aid Kit/Fuels &amp; Kerosene (as per need)</li> <li>➤ Replace the damaged outdated or expired materials with new ones.</li> </ul>
Capacity Building	<ul style="list-style-type: none"> <li>➤ Participate &amp; involve in the activities of village disaster Management plan, preparation of Safety plans, participate in Capacity building Programmes &amp; involve in Mock Drills</li> </ul>

### 9.7 Preparedness at Individual Level

Task	Activity
Early Warning Dissemination	<ul style="list-style-type: none"> <li>➤ List &amp; keep a ready to go minimum Important requirements</li> <li>➤ Record the Safe &amp; alternative routes to shelter</li> <li>➤ Keep News update in Radio/TV</li> </ul>
Ensuring Preparedness	<ul style="list-style-type: none"> <li>➤ Every individual/children must have a Personal Identity information like a copy of Aadhar card/ Voter ID / School Identity Card &amp; Contact numbers of Preferably two who can be contacted in time of emergency</li> <li>➤ Family members especially kids must be sensitized about family gathering point during disaster &amp; crowded places</li> <li>➤ Assess preparedness on a regular basis by checking Radio/Mobile/ Emergency Kit/First Aid Kit/Fuels &amp; Kerosene (as per need)</li> </ul>
Capacity development	<ul style="list-style-type: none"> <li>➤ Participate &amp; involve in the activities of</li> <li>➤ Disaster Management</li> <li>➤ Safety plans</li> <li>➤ Capacity building Programmes</li> <li>➤ Mock Drills &amp; FAMEX</li> </ul>

### 9.8 Preparedness of Departments

The Government departments playing lead or support roles in disaster preparedness are:

Name of the Department	Normal Time
Collector/ADM / Emergency Officer	<ul style="list-style-type: none"> <li>➤ Ensure regular meetings of District Disaster Management Authority</li> <li>➤ Develop &amp; update Disaster Management Plan, carry out Hazard analysis in the district</li> <li>➤ Identify safe alternate routes to cyclone shelters.</li> <li>➤ Keep a list of Contacts of EoCs, Nodal officer of different departments, Important stake holders, Village leaders, shelters</li> <li>➤ List of Relief lines &amp; storage places</li> <li>➤ List &amp; maintenance of SAR equipment</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Capacity building of stakeholders &amp; volunteers</li> <li>➤ Assess preparedness through Mock Drills for different disasters at district department, block &amp; community level</li> <li>➤ Adopt sustainable mitigation measures</li> <li>➤ Integrate DM &amp; DRR features in development programmes</li> </ul>
CDMO	<ul style="list-style-type: none"> <li>➤ Disaster Management Plans &amp; Safety plans for Hospitals</li> <li>➤ Capacity building of Medical &amp; Para Medical Staffs</li> <li>➤ Assess preparedness through Mock Drills &amp; familiar exercises</li> <li>➤ Integrate department plans with plans with Village &amp; Block Plans and development programmes</li> <li>➤ Develop media partnership</li> <li>➤ Develop capacity of hospitals with advance equipment, proper manning &amp; disaster resilient infrastructures</li> <li>➤ Stock piling of Life saving drugs/ORS packets/Halogen tablets on receipt of warning from the Collector/DCR</li> <li>➤ Transmission of messages to all PHCs to stock medicines and keep the medical staff ready</li> <li>➤ Disease surveillance and transmission of reports to the higher authorities on a daily basis.</li> <li>➤ Vaccination.</li> <li>➤ To obtain and transmit information on natural calamities from the DCR</li> <li>➤ Advance inoculation programme in the flood/Cyclone prone areas.</li> <li>➤ Ensuring distribution of areas of operation among the mobile team.</li> <li>➤ Pre-distribution of basic medicines to the people who are likely to be affected</li> <li>➤ Shifting the patients who are in critical situation to the District Hospital</li> <li>➤ Awareness messages to stop the outbreak of epidemics</li> <li>➤ Conducting mock drills</li> </ul>
Superintendent of Police (SP)	<ul style="list-style-type: none"> <li>➤ Reception of Warning from the DCR</li> <li>➤ Communication establishment with District and Block/Tahasil Control rooms and departmental offices within the division.</li> <li>➤ Alerting the APR force for deployment at the time of calamity</li> <li>➤ To issue directive to police field functionaries to co-operate with Revenue Personnel in management of Relief operation.</li> </ul>
EE- RWSS	<ul style="list-style-type: none"> <li>➤ Review and update precautionary measures and procedures and review with staff the precautions that have been</li> </ul>

	<p>taken to protect equipment.</p> <ul style="list-style-type: none"> <li>➤ Within the affected block, all available personnel will be made available to the District Magistrate. If more personnel are required then out of station official or those on leave may be recalled.</li> <li>➤ Prepare plans for water distribution to all transit and relief camps, affected villages and cattle camps and ensure proper execution of these plans.</li> <li>➤ Inform people to store an emergency supply of drinking water</li> <li>➤ Investigation of alternate of water and its supply.</li> <li>➤ Standby diesel pumps or generators should be installed in damage-proof buildings.</li> <li>➤ A standby water supply should be available in the event of damage, saline intrusion or other pollution of the regular supply.</li> <li>➤ Establish procedures for the emergency distribution of water if existing supply is disrupted.</li> <li>➤ Make provisions to acquire tankers and establish other temporary means of distributing water on an emergency basis.</li> <li>➤ Make provision to acquire containers and storage tanks, required for storing water on an emergency basis.</li> <li>➤ Protect pump stations from water logging.</li> <li>➤ Repair sewage lines where damage is detected.</li> <li>➤ Repair water pipelines wherever damaged.</li> </ul>
EE- Irrigation	<ul style="list-style-type: none"> <li>➤ Check the wireless network and ensure that all the flood stations are connected.</li> <li>➤ Establish mechanisms for exchange of information with irrigation divisions</li> <li>➤ Inspect all the Bundhs, and check their height and slope.</li> <li>➤ Check the top of the Bundhs, and if they have been cleared of encumbrances / encroachments and if they are motorable</li> <li>➤ Check that all the Bundhs have been repaired/ reinforced, in particular those Bundhs which were damaged during the last floods.</li> <li>➤ Check the drainage system of the Bundhs and ensure that the seepage and rat holes, etc. have been closed.</li> <li>➤ Check that all the materials required for protecting Bundhs have been stored at different places, and a list of these places has been furnished to the district administration</li> <li>➤ Check that the Junior engineers and other staff have been assigned their beats, and all the</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Arrangements for continuous vigilance over these Bundhs have been made.</li> <li>➤ Check that all rain gauge stations are functional, and arrangements have been made to report the readings.</li> <li>➤ Check the regulators and siphons. Check that they have been repaired and cleaned, increasing the flow of water.</li> <li>➤ Check all the anti-erosion works, necessary to maintain the Bundhs.</li> </ul>
DAO- Agriculture	<ul style="list-style-type: none"> <li>➤ Review and update precautionary measures and procedures.</li> <li>➤ Check available stocks of equipments and materials which are likely to be most needed during and after flood/disaster.</li> <li>➤ Stock agricultural equipments which may be required during and after flood.</li> <li>➤ Determine what damage, pests or disease may be expected, and what drugs and other insecticide items will be required, in addition to requirements of setting up extension teams for crop protection, and accordingly ensure that extra supplies and materials, be obtained quickly.</li> <li>➤ All valuable equipments and instruments should be packed in protective coverings and stored in room the most damage-proof.</li> <li>➤ Ensure that certified seeds of required varieties are available in adequate quantities.</li> <li>➤ Develop a pest and disease monitoring system so that timely steps can be taken to reduce damage to crops.</li> <li>➤ A pests and disease monitoring system should be developed to ensure that a full picture or risks is maintained.</li> <li>➤ Plan for emergency accommodations for agriculture staff from outside the area.</li> <li>➤ Extension Officers should be unplugged when flood/disaster warning is received.</li> </ul>
EE- Rural Works	<ul style="list-style-type: none"> <li>➤ Govt. buildings should be inspected and necessary repairs to be got executed to with standing hazards affected.</li> <li>➤ Script for slides, pamphlets, and cultural programmers should be got prepared immediately.</li> <li>➤ Arrangements should be made to obtain poster and films by addressing the Director through the Collectors.</li> <li>➤ Public addresses equipment should be obtain kept ready.</li> <li>➤ The community Radio sets available in the coastal villages should be ascertained</li> <li>➤ The names of Hamlets where they are not available to be reported.</li> <li>➤ The public should be fully educated regarding the precautionary measures &amp; after cyclone through available media.</li> <li>➤ Specific duties should be assigned to the field staff.</li> <li>➤ The field staff should proceed to the place of work allotted and be ready to attend to cyclone duty.</li> </ul>

EE- Public Works	<ul style="list-style-type: none"> <li>➤ All personnel required for disaster management should work under the overall supervision and guidance of DM.</li> <li>➤ Review and update precautionary measures and procedures, and review with staff the precautions that have been taken to protect equipment.</li> <li>➤ Vehicles should be inspected, fuel tanks filled and batteries and electrical wiring covered as necessary.</li> <li>➤ Extra transport vehicles should be dispatched from headquarters and stationed at safe strategic spots along routes likely to be affected.</li> <li>➤ Heavy equipments, such as front-end loaders, should be moved to areas likely to be damaged and secured in a safe place.</li> <li>➤ Clean the area beneath bridges regularly for smooth flow of water excess.</li> <li>➤ Maintain all the highways and access roads, which are critical from the point of view of supplying relief.</li> <li>➤ Inspect all buildings and structures of the state government (including hospital buildings.) by a senior engineer and identify structures which are endangered by the impending disaster.</li> <li>➤ The designation of routes strategic to evacuation and relief should be identified and marked, in close coordination with police and District Control Room</li> <li>➤ Establish a priority listing of roads which will be opened first. Among the most important are the roads to hospitals and main trunk routes</li> <li>➤ Work under construction should be secured with ropes, sandbags and covered with tarpaulins if necessary.</li> <li>➤ Construct/ reinforce the connecting roads from villages to roads, canals and Bundhs and raise their level so that people can access the high ground.</li> <li>➤ Inspection of old buildings and suggesting retrofitting of weak buildings/ demolition of dangerous structures and evacuation of population.</li> <li>➤ Carry out route opening by removing debris on the road.</li> <li>➤ Begin clearing roads. Assemble casual labourers to work with experienced staff and divide them into work gangs.</li> </ul>
DTO-Telecom	<ul style="list-style-type: none"> <li>➤ Assess the different disaster scenarios and match the communications needs with the available resources.</li> <li>➤ Ensure that TSPs (private and public) invest in preventive measures that will ensure maximum robustness and preparedness of the telecom networks during emergencies.</li> <li>➤ Ensure that TSPs (private and public) develop detailed emergency plans for management of resources under their responsibility.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Conduct annual reviews of the ETP/SOP - Organize annual symposium on telecommunications availability during emergency. –</li> <li>➤ Update the communications plan according to development and innovations in emergency telecommunications systems.</li> <li>➤ Disseminate information among the Public and the district administration on the availability of telecom services and equipment's for use during emergencies.</li> </ul>
CDVO	<ul style="list-style-type: none"> <li>➤ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives. Review and update precautionary measures and procedure and review with staff the precautions that have been taken to protect equipments.</li> <li>➤ Prepare a list of water borne diseases that are preventable by vaccination.</li> <li>➤ Publicize the information about common diseases afflicting livestock and the precautions that need to be taken.</li> <li>➤ Assist the Revenue Department in preparing plans for cattle campus and cattle feeding centers.</li> <li>➤ Stock emergency medical equipments which may be required during and post disaster Surgical packs should be assembled and sterilized.</li> <li>➤ Enough stock of surgical packs should be sterilized to last for four to five days.</li> <li>➤ The sterilized surgical packs must be stored in protective cabinets to ensure that they do not get wet. Covering the stock with polythene is recommended as an added safety measure.</li> <li>➤ All valuable equipments and instruments should be packed in protective coverings and stored in room the most damage-proof.</li> <li>➤ All electrical equipments should be unplugged when disaster warning is received.</li> <li>➤ Organize vaccination campaigns in disaster prone villages before, during and after the disaster.</li> <li>➤ Prepare kits for veterinary diseases, which could be provided to veterinary doctors at the block level and extension officers at the village level. Kits can also be provided to the private veterinary doctors.</li> <li>➤ Arrange for emergency supplies of anesthetic drugs.</li> <li>➤ Check stocks of equipments and drugs which are likely to be most needed during and after disaster.</li> <li>➤ Fill department vehicles with fuel and park them in a protected area.</li> <li>➤ Fill hospital water storage tanks and encourage water savings. If no storage tanks exist water for drinking should be drawn in clean containers and protected.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Prepare an area of the hospital for receiving large number of livestock.</li> <li>➤ Develop emergency admission procedures (with adequate record keeping).</li> <li>➤ Establish cattle camps and additional veterinary aid centres at affected sites and designate an Officer In-charge for the camp.</li> <li>➤ Estimate the requirement of water, fodder and animal feed, for cattle camps and organize the same.</li> <li>➤ Ensure that adequate sanitary conditions through cleaning operations are maintained in order to avoid outbreak of any epidemic.</li> <li>➤ An injury and disease monitoring system should be developed, to ensure that a full picture of risk is maintained.</li> <li>➤ Plan for emergency accommodations for veterinary staff from outside the area.</li> </ul>
RTO/MVI	<ul style="list-style-type: none"> <li>➤ Prepare a list of vehicles- trucks, buses, jeeps, tractors, etc of government and private agencies in the district and provide the list to the District control room.</li> <li>➤ Provide requires vans and ambulances for mobile health and animal husbandry teams.</li> <li>➤ Provide trucks, buses, jeeps, tractors, etc for evacuation and supply chain management</li> <li>➤ Issue standing instructions to the State transport department for providing buses for evacuation and relief.</li> <li>➤ Recall important functionaries from leave; communicate to the staff to man their places of duties like the ward and divisional offices and respective departments.</li> <li>➤ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives.</li> </ul>
DFO	<ul style="list-style-type: none"> <li>➤ Develop and quarterly update the disaster management plan that includes the Contingency Action Plan for the Department based on HVRC analysis with the active involvement of all concerned line departments and local bodies in the district</li> <li>➤ Make personnel available to the District Magistrate, within the affected block,. If more personnel are required, recall those on leave.</li> <li>➤ Identify areas that could be opened or made available for grazing or fodder collection in case of disaster</li> <li>➤ Ensure that adequate supply of small poles or bamboo is available for reconstruction of houses of the affected people, as well as wood for cremation of dead.</li> <li>➤ Ensure plantation to the maximum possible extent.</li> </ul>
Railway	<ul style="list-style-type: none"> <li>➤ Identification of flood prone areas, RAT, RAW and information prone to erosion/breaches and marking them on railways system map.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Development of Flood Shelters for staff and passenger at suitable locations in the areas prone to repeated floods</li> <li>➤ Study of changed water catchment area due to construction of highways, Dams.</li> <li>➤ Study of changed rainy season month on a particular region.</li> <li>➤ Action Plan for Alignment, Location, Design and Provision of Waterway on Railways Embankments</li> <li>➤ Inspections of Railway Affecting Works – to be streamlined and timely ensured.</li> <li>➤ Review of waterways for adequacy and alignment and measures to modify, if needed.</li> <li>➤ Status Note on the lessons learnt from the previous flood situations in the past 5 years.</li> <li>➤ Bye-laws for buildings in flood plains.</li> <li>➤ Making existing and new buildings and infrastructure capable of withstanding fury of floods.</li> </ul>
EE- Electricity/OPTCL	<ul style="list-style-type: none"> <li>➤ Review and update precautionary measures and procedures and review with staff the precautions that have been taken to protect equipment.</li> <li>➤ Ensure that the Power Supply department to make alternate arrangements of emergency supply for the major offices from time of receipt of districts</li> <li>➤ Check emergency tool kits, assembling any additional equipment needed.</li> <li>➤ After receiving alert warning, immediately undertake following inspection of High tension lines, Towers, Sub-stations, Transformers, Insulators, Poles and other equipments</li> <li>➤ Instruct district staff to disconnect the main electricity supply for the affected area.</li> <li>➤ Protect Power Stations from disaster. Raise the height of compound walls. Arrange gunny bags. Install pump sets for draining water in case of Flood/ Cyclone/ Tsunami,</li> <li>➤ etc.</li> <li>➤ Provide information to the people about the state of power supply. It is one of the most important sources of information. Establish temporary electric supplies to other key public facilities, public water system etc. to support emergency relief.</li> <li>➤ Establish temporary electric supplies to transit camps feeding centres, relief camps and Site Operation Centre, District EOC and on access roads to the same.</li> <li>➤ Establish temporary electric supplies for staging area.</li> <li>➤ Compile an itemized assessment of damage, from reports made by various electrical receiving centres and sub-centres.</li> </ul>

EE - PHED	<ul style="list-style-type: none"><li>➤ Formation of Disaster Management Cell and manning with senior personnel drawn from key sections of the dept.</li><li>➤ Formulation of Public Health Engineering related programme and activities by intonating them with hazard specific preventive and mitigation measures.</li><li>➤ Creation of stocks of installation materials at the district level for use in emergencies.</li><li>➤ Orientation and training of a team of technicians to do installation as quickly as possible.</li><li>➤ Strategizing the installation of hand-pumps etc. with hazard profile of the area in mind.</li><li>➤ In consultation with the Department of Education and DMD, provision of additional sanitation and drinking water facilities in schools and relief shelters where people take refuge during flood.</li><li>➤ In consultation with the Department of Disaster Management making special arrangements for the supply of drinking water in drought prone areas.</li><li>➤ Planning for repair and maintenance of the facilities created as a part of the programme and activities.</li><li>➤ Keeping a track of groundwater level and having a fresh look at the facilities created accordingly.</li><li>➤ Organizing interaction with Gram Panchayats for having proper sanitation facilities, and providing them support and guidance in planning, implementation and maintenance of the same.</li><li>➤ Procurement, upkeep and maintenance of sanitation equipment for use in emergencies.</li></ul>
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DPS, SSA- School & Mass Education/ DEO - Higher Secondary Education	<ul style="list-style-type: none"> <li>➤ Formation of Disaster Management Cell and manning the same by senior personnel drawn from key Directorates.</li> <li>➤ Incorporating costs for preventive and mitigation measures for earthquake, flood, fire and cyclonic storm prone areas to construct disaster resistant school buildings.</li> <li>➤ In association with Fire Dept. getting fire extinguishers installed in schools and teachers identified and trained in operating them.</li> <li>➤ Awareness Generation Programmes about Hazard, the kind of preparedness required and how to act at the time of disaster shall be organized in schools on monthly basis.</li> <li>➤ Disaster Management shall be made a part of the school curriculum.</li> <li>➤ The Department shall get quality films made on hazard wise disaster preparedness and organize their viewing by children and their parents.</li> <li>➤ The Department shall in association with Nehru Yuva Kendra organize locality based youth clubs and get them groomed in escort services, relief work and taking care of children, women, old and sick.</li> <li>➤ Making adequate arrangements for getting hand pumps installed, storage facilities created, toilet and bathrooms built in those schools where communities do take shelter during flood. Concerned departments shall either make the arrangements or make funds available for the same.</li> </ul>
BDO/Tahasildar	<ul style="list-style-type: none"> <li>➤ Providing authentic information required by the DCR</li> <li>➤ Preparing a record of previous disasters in the locality and analyzing the effects</li> <li>➤ Preparing hazard maps of the Block./Tahasil &amp; the GPs in minute details</li> <li>➤ Mapping the cut off areas with alternate route map.</li> <li>➤ Identification of shelter places in the maps</li> <li>➤ Keeping a List of storage Points &amp; facilities available, dealers of foodstuffs.</li> <li>➤ Keeping a list of vulnerable people and area and weak points on embankments (if applicable)</li> <li>➤ Creating a Control Room at the respective level and assignment of duties to the staff.</li> <li>➤ Pre-positioning of staff for site operation centers.</li> <li>➤ Uninterrupted communication with the DCR</li> <li>➤ Arrangement of alternative communication/generator sets, etc</li> <li>➤ Formation of GP/village level disaster committees and task forces</li> <li>➤ Arrangement of boats on hire available locally.</li> </ul>

	<ul style="list-style-type: none"><li>➤ Deployment of Boat in the most vulnerable areas.</li><li>➤ Organizing awareness camps at GP/village levels</li><li>➤ Dissemination of Warning:</li><li>➤ Crosschecking with the DCR for the authenticity of the warnings</li><li>➤ Arrangement or requisition of Jeeps/Trekkers/ Auto Rickshaw to disseminate received warning information's to the population of vulnerable / weak places</li><li>➤ Dissemination of warning/ coordination with District control room.</li><li>➤ Warning the people about probable affected areas</li><li>➤ Mobilizing the people to leave for identified shelters with their domestic animals and personnel belongings.</li></ul>
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## Chapter-10 Response

Response refers to activities done for handling disaster to bring the situation to normalcy not exceeding fifteen days from the abatement of disaster. The onset of an emergency creates the need for time sensitive actions to save life and property, reduce hardships and suffering, and restore essential life support and community systems, to mitigate further damage or loss and provide the foundation for subsequent recovery. Effective response planning requires realistic identification of likely response functions, assignment of specific tasks to individual response agencies, identification of equipment, supplies and personnel required by the response agencies for performing the assigned tasks. A response plan essentially outlines the strategy and resources needed for search and rescue, evacuation, etc.

All the disaster response activities will be undertaken by the District Magistrate of Balangir with all the resources at their command will facilitate the district administration. However, preparedness to response will be the responsibility of the authorities themselves that they will carry out in close coordination with the district administration during pre-disaster phase. Balangir district is vulnerable to the following hazards:

- Drought
- Heat waves
- Floods
- Fire
- Epidemics
- Lightning

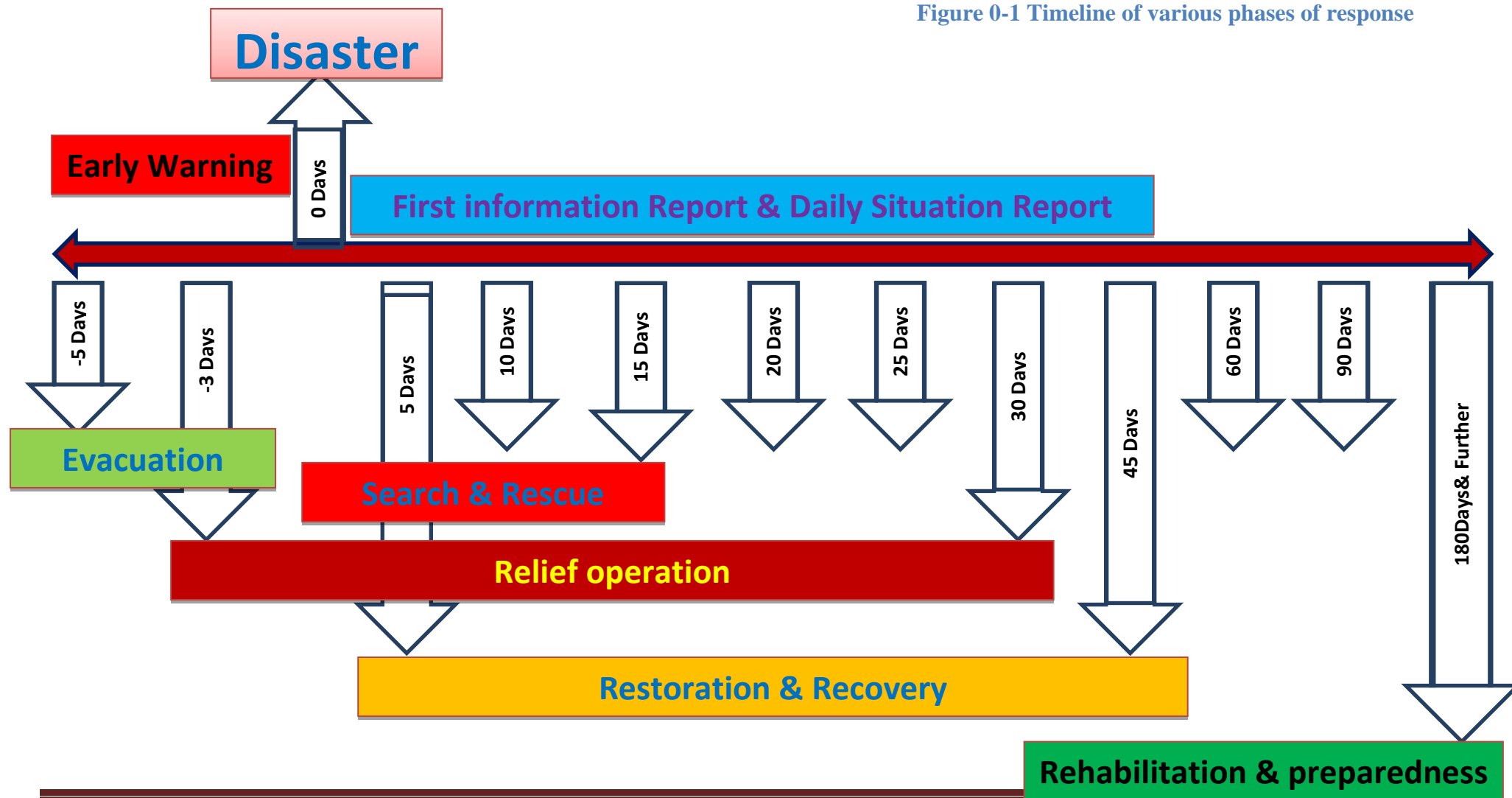
The need for an effective disaster management strategy is to lessen disaster impact which can be achieved through strengthening and reorienting existing organizational and administrative structure from district to block and GP levels. The emergency response plan is a first attempt to follow a multi-hazard approach to bring out all the disasters on a single platform and incorporates the ‘culture of quick response’. Under the plan, common elements responsible for quick response have been identified and a set of responsible activities has been articulated. It provides a framework to the

primary and secondary agencies and departments, which can outline their own activities for disaster response. The plan will also include specific disaster action plans along with modal scenarios in detail to conduct practice drills at district administration level.

### 10.1 Phases of Response: Timeline

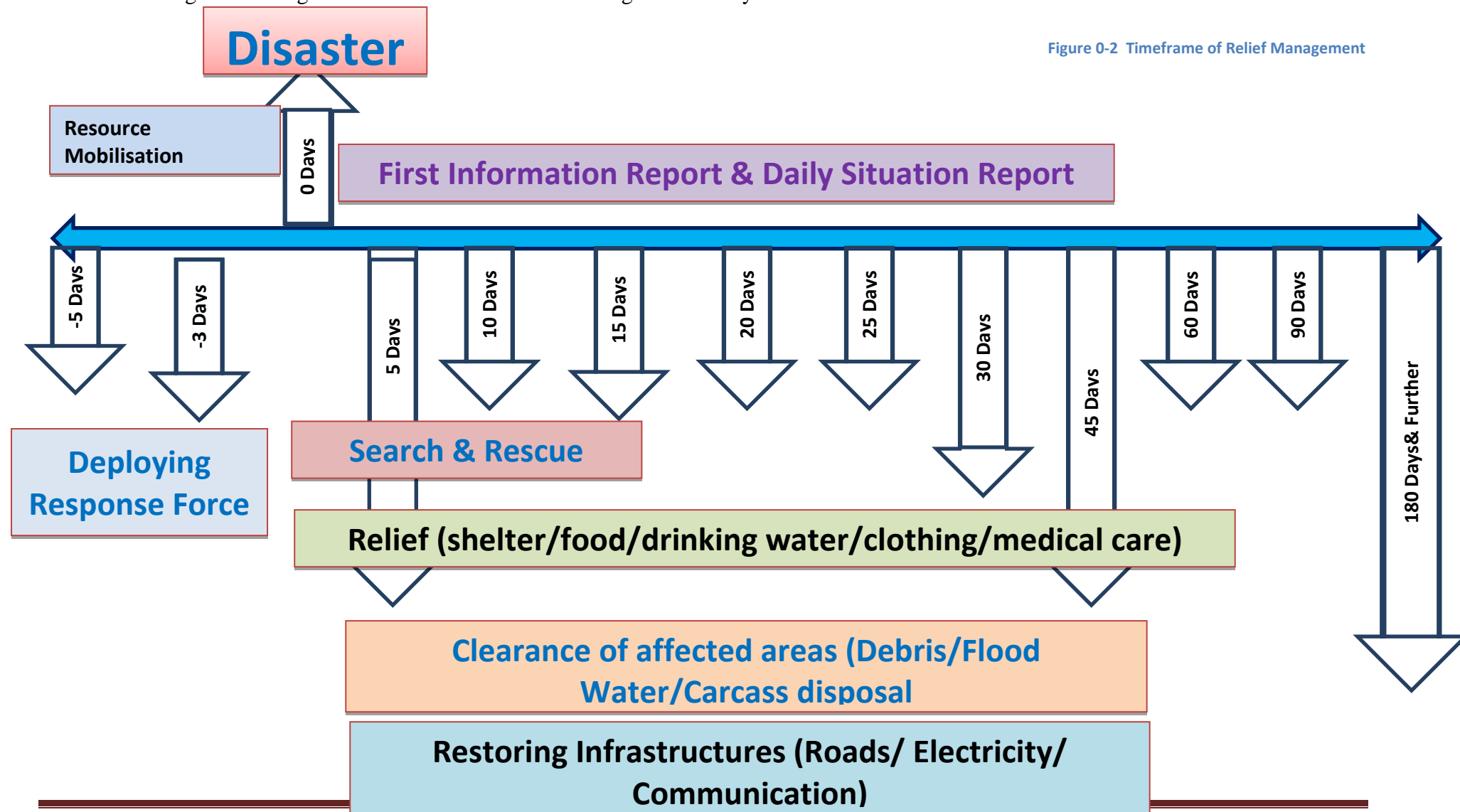
Timeline of various phases of response is presented in the following diagram.

Figure 0-1 Timeline of various phases of response



## Relief Management: Timeline

The relief management along with the time frame allotted is diagrammatically reflected below.



**10.2 Response: District**

<b>Task</b>	<b>Activity</b>
Warning Communication	<ul style="list-style-type: none"> <li>• Warning dissemination to the list of Nodal person &amp; concerned BDOs</li> <li>• Recording the receipt of information &amp; regular Status update</li> <li>• Transmitting updates to SEOC in regular interval as instructed</li> </ul>
Meeting of DDMA (Heads of the department & stakeholder)	<ul style="list-style-type: none"> <li>• Collector to take up a department coordination meeting &amp; distribute works among all the Departments</li> <li>• Collector issues circular to keep Govt. offices open cancelling all holidays.</li> <li>• A fixed time to be finalized every day for reporting at all level.</li> <li>• A nodal officer is identified for media management</li> <li>• Circulate the minutes of the meeting with clear-cut role &amp; responsibility</li> </ul>
Pre-positioning of staff, resources & Evacuation	<ul style="list-style-type: none"> <li>• Identifying &amp; designating Nodal Officer for different stages of disaster &amp; affected areas.</li> <li>• Positioning of ODRAF/NDRF/Fire services/ Police/Home Guard in the affected areas</li> <li>• Pooling Volunteer services (Civil Defense/Task Force/NCC/NSS/Scout &amp; Guide)</li> <li>• Take stock of required materials for search &amp; rescue, first aid, casualty management, evacuation, relief etc.</li> <li>• Make necessary arrangements of shelters for evacuation</li> <li>• Constitute a special team for special care to vulnerable section like Specially abled, Sr. Citizen, Pregnant &amp; lactating women, Infants &amp; children etc.</li> </ul>
Response	<ul style="list-style-type: none"> <li>• EOCs to Ensure back up (Power/Fuel/internet/ Communication at Dist/Dept. &amp; Block levels</li> <li>• Response force under guidance of Nodal officers ensure complete Evacuation (Human/ Animal), carry out</li> </ul>

	<p>Search &amp; Rescue, clear relief lines,</p> <ul style="list-style-type: none"> <li>• Collector to submit requisition of vehicle/boat/ helicopters &amp; list of support from state &amp; Centre to all concerned authorities</li> <li>• CSO to store required relief materials (Chhuda. Gur, Dry Foods) in the nearby storage points</li> <li>• CDVO to store, transport &amp; distribute required fodders for animals to the affected areas</li> </ul>
	<ul style="list-style-type: none"> <li>• Cyclone shelter committee &amp; Village Disaster management committee to organize free kitchen in the shelters with help of revenue dept.</li> <li>• EE- RWSS &amp; CDMO to ensure supply of drinking water, disinfection of water &amp; maintain Health &amp; hygiene in the shelters</li> <li>• CDMO to carry out First aid &amp; casualty management</li> <li>• Collector to collect &amp; transmit First Information Report (FIR) &amp; Daily Situation Report as per requirement</li> </ul>

### 10.3 Response: Community Level (The list is Indicative & may be extended further as per need & requirement)

Activity
<ul style="list-style-type: none"> <li>• DEOC to disseminate warning communication to BEOC &amp; Community</li> <li>• Response force to ensure Power/Fuel/internet/ Communication at Shelters back up</li> <li>• Supply Inspectors &amp; Marketing Inspectors to distribute relief materials with response force, Task force &amp; volunteers</li> <li>• Response force to carry out Search &amp; Rescue measures, Emergent relief operation, Relief line clearance, distribution of relief</li> </ul>

- Doctors to carry out First aid & casualty management, Carcass disposal & sufficient mortuary facility in the affected areas

**Response: Family & Individual Level**

Task	Activity
Response	<ul style="list-style-type: none"><li>• Listen to the instruction of the response force &amp; warnings</li><li>• Economic use of “Ready to go Emergency Kit” Ready to go First Aid Kit</li><li>• Cooperate the response force/officers &amp; Render volunteer service if asked for</li><li>• Maintain cleanliness &amp; hygiene at shelter</li></ul>

**10.4 Response: Standard Operating Procedures for Departments**

<b>Name of the Department</b>	<b>On Receiving Warning</b>	<b>Response time</b>	<b>Post Disaster</b>
Collector/ADM / Emergency Officer	<ul style="list-style-type: none"> <li>➤ Review the situation in DDMC</li> <li>➤ Activate EOC &amp; Early Warning</li> <li>➤ Work distribution for operation</li> <li>➤ Circular to keep offices open</li> <li>➤ Arrange vehicle &amp; activate Evacuation (Normal/Forceful)</li> </ul>	<ul style="list-style-type: none"> <li>➤ Activate Search &amp; Rescue</li> <li>➤ Arrange temporary shelters</li> <li>➤ Arrange logistics in shelters</li> <li>➤ Workout financial estimates (evacuation / relief /recovery)</li> </ul>	<ul style="list-style-type: none"> <li>➤ Activate relief line clearance</li> <li>➤ Proper relief Distribution</li> <li>➤ Start damage assesment</li> <li>➤ Facilitate Ex-gratia &amp; Compensation</li> <li>➤ Start primary damage estimate</li> <li>➤ Pool resources for SAR/shifting of critical patients</li> </ul>
CDMO	<ul style="list-style-type: none"> <li>➤ Disseminate the alert to all concerned (Staff list)</li> <li>➤ Arrangement of medicine, First aid kits &amp; teams</li> <li>➤ Mobile Health units for inaccessible pockets</li> <li>➤ Identifying &amp; shifting patients requiring intensive care to safer places</li> </ul>	<ul style="list-style-type: none"> <li>➤ Mass Casualty Management units &amp; Triage</li> <li>➤ First Aid Centers</li> <li>➤ Medical surgical teams</li> <li>➤ Adequate mortuary facility</li> <li>➤ Measures to shift patients requiring intensive care</li> </ul>	<ul style="list-style-type: none"> <li>➤ Psycho-Social Counseling</li> <li>➤ Post Disaster Disease surveillance system</li> <li>➤ Special attention to vulnerable section</li> <li>➤ Networking with &amp; promote treatment in Private Hospitals</li> <li>➤ Carcass Management &amp; Issuance</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Supply of medicines &amp; pre-positioning of medical teams to vulnerable areas</li> <li>➤ Vaccination for prevention of communicable diseases</li> <li>➤ Measures to dis –infect drinking water</li> <li>➤ Availability of Blood Banks/Ambulance</li> </ul>	<ul style="list-style-type: none"> <li>➤ Pool of Blood donors (Preferably each group)</li> <li>➤ Additional laboratories</li> <li>➤ Carcass disposal team &amp; units</li> </ul>	of Death Certificate
Superintendent of Police (SP)	<ul style="list-style-type: none"> <li>➤ Identify Disaster Prone area in the district</li> <li>➤ Prepare a Deployment Plan for the Police force, based on the needs of the most vulnerable areas.</li> <li>➤ Ensure that a sufficient number of police force is available for responding to the disaster situation.</li> <li>➤ Establish coordination with the State Armed Police and Defense and Home Guards.</li> <li>➤ Check the wireless communication network, and secure additional wireless sets for deployment during a disaster.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Dispatch Police to systematically identify and assist people and communities in life threatening situation.</li> <li>➤ Designate an area, within Police Station to be used as help line centre for public.</li> <li>➤ With the assistance of health professional, help injured people and assist the community in organizing emergency</li> </ul>	<ul style="list-style-type: none"> <li>➤ Provide guards wherever needed particularly for staging area of cooperative food etc stores and distribution centers.</li> <li>➤ Provide convoys for relief materials.</li> <li>➤ Evacuation will be ordered by Deputy Commissioner, Addl. Commissioner and Superintendent of Police.</li> <li>➤ Assist and encourage the community in road-cleaning operation.</li> <li>➤ Assess and Identify road for</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Installation of radio communications at <ul style="list-style-type: none"> <li>• District Control Room, Control room at affected site, Departmental Offices within the District &amp; Division.</li> </ul> </li> <li>➤ Keep the police vehicles and other modest transport in readiness for deployment of the police.</li> <li>➤ Call for emergency meeting to take stock of the situation.</li> </ul>	<p>transport of seriously injured to medical treatment centers. Ensure that the police stations with staff are functioning in disaster situation.</p> <ul style="list-style-type: none"> <li>➤ Assist and encourage the community in road-cleaning operation.</li> </ul>	<p>following conditions/facilities one Way, Blocked, Alternate route, Overall Traffic Management, Other access roads.</p> <ul style="list-style-type: none"> <li>➤ Provide security arrangements for visiting VVIPs and VIPs.</li> <li>➤ Assist district authorities to take necessary action against Hoarders, Black Marketers and those found manipulating relief material.</li> </ul>
EE- RWSS	<ul style="list-style-type: none"> <li>➤ When early signs of distress appear in any part of the district, EE RWSS will submit a special situation update to DM indicating the position in respect of Water and Sanitation preparedness in the district.</li> <li>➤ Will inform all concerned RWSS- JE / AE of blocks and Panchayats to review essential emergency stocks and contingency plans to be able to respond</li> </ul>	<ul style="list-style-type: none"> <li>➤ Will ensure supply of clean drinking water to affected areas. Will ensure transportation of water with minimum wastage.</li> <li>➤ Will ensure supply of water purification installations, mobile systems, halogen tablets etc. for providing clean</li> </ul>	<ul style="list-style-type: none"> <li>➤ Must launch necessary awareness campaigns on safe water handling practices, environmental sanitation and individual hygiene along with hardware provision.</li> <li>➤ Will visit as many areas as possible to have first-hand information of the situation. Will keep District Collector and E-in-charge / Chief Engineer, RWSS</li> </ul>

	<p>in a timely manner.</p> <ul style="list-style-type: none"> <li>➤ Upon receipt of early warning signals from State, he must start the monitoring of all water and sanitation infrastructure in the affected parts of the District.</li> <li>➤ Will be in constant touch with the local IMD and other agencies in the district for information on impending disaster.</li> </ul>	<p>drinking water</p> <ul style="list-style-type: none"> <li>➤ Will ensure that special care is taken of women with infants and pregnant women. Will ensure that sewer pipes and drainage are kept separate from drinking water facilities.</li> <li>➤ Will ensure availability of adequate number of toilets to prevent further contamination of water sources.</li> </ul>	<p>informed daily about the action taken by him in his area.</p> <ul style="list-style-type: none"> <li>➤ Local MLA, MP and other community leaders must be informed on measures taken by RWSS / PHED for an effective disaster response.</li> </ul>
EE- Irrigation	<ul style="list-style-type: none"> <li>➤ When early signs of distress appear in any part of the district, EE Irrigation will submit a special situation update to DM indicating the position in respect of Irrigation preparedness in the district.</li> <li>➤ Prepare and update the disaster risk map of the district. The map should show the vulnerability and risks of the</li> </ul>	<ul style="list-style-type: none"> <li>➤ Will ensure availability of adequate number of tool kits to prevent any damage during disaster.</li> <li>➤ Provide special attention to those places where the Bundhs were breached and repaired during the last</li> </ul>	<ul style="list-style-type: none"> <li>➤ Undertake channel improvement for rivers and nalas to the extent possible. Undertake de-silting / cleaning of Nalas and canals to improve the flow of water.</li> <li>➤ Supply the essential tool kits and protection material at critical places for emergency repair and</li> </ul>

	<p>critical infrastructure related to irrigation and also whether alternate source of H<sub>2</sub>O within the district.</p> <ul style="list-style-type: none"> <li>➤ Prepare a contingency plan for the maintenance and repairs of Bundhs and embankments.</li> <li>➤ Identify Bundhs, which are critical for disaster protection and control.</li> <li>➤ Review and update precautionary measures and procedures.</li> </ul>	<p>floods/disaster last year.</p> <p>These are the Bundhs, which will be threatened first during the disaster.</p> <ul style="list-style-type: none"> <li>➤ Deployed adequate team in the most vulnerable areas.</li> </ul>	<p>construction.</p> <ul style="list-style-type: none"> <li>➤ Organize round the clock inspection and repair of equipments.</li> </ul>
DAO- Agriculture	<ul style="list-style-type: none"> <li>➤ Prepare HRV Analysis of the district.</li> <li>➤ Develop Contingency Action Plan based on HRV analysis.</li> <li>➤ Review and update precautionary measures and procedures.</li> <li>➤ Check available stocks of equipments and materials which are likely to be most needed during and after disaster</li> <li>➤ 6. Provision of agricultural services should be coordinated with irrigation</li> </ul>	<ul style="list-style-type: none"> <li>➤ Supply of agricultural equipments which may be required during Disaster.</li> <li>➤ All valuable equipments and instruments should be packed in protective coverings and stored in room the most damage-proof during disaster</li> <li>➤ All electrical equipments</li> </ul>	<ul style="list-style-type: none"> <li>➤ Suggest variety of seeds and cropping pattern, which can reduce losses and reduce the risks to farmers</li> <li>➤ Plan for emergency accommodations for agriculture staff from outside the area.</li> <li>➤ A pests and disease monitoring system should be developed to ensure that a full picture or risks</li> </ul>

	department, DRDO, District EOC, SITE OPERATIONS CENTRES.	should be unplugged during disaster period.	is maintained. ➤ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives. ➤ Establish contact with soil and water testing laboratories.
EE- Rural Works	<ul style="list-style-type: none"> <li>➤ When early signs of distress appear in any part of the district, EE Rural works will submit a special situation update to DM indicating the position in respect of rural works preparedness in the district.</li> <li>➤ Prepare and update the disaster risk map of the district. The map should show the vulnerability and risks of the critical infrastructure related to rural areas.</li> <li>➤ Ensure community involvement in disaster preparedness on: Risk assessment (to point to which measures to implement); Early warning systems;</li> </ul>	<ul style="list-style-type: none"> <li>➤ Will ensure availability of adequate number of tool kits to prevent any damage during disaster.</li> <li>➤ Provide special attention to those places which were most vulnerable areas during disaster last year..</li> <li>➤ Deployed adequate team in the most vulnerable areas.</li> <li>➤ Provide for preventive medication for entire livestock to check the spread of any disease</li> </ul>	<ul style="list-style-type: none"> <li>➤ Provide for agricultural rehabilitation of disaster affected area by necessary assistance, with the help of state government, to affected farmers in activities such as sowing/harvesting.</li> <li>➤ Make available requisite seeds and fertilizers free of cost to the— farmers, of course, with the help of concerned government departments.</li> <li>➤ Provide agricultural equipment/tools through Banks and other— funding agencies.</li> </ul>

	<p>Life safeguarding equipment; Resources and emergency kits in anticipation of need; Maintaining emergency rosters and evacuation plans; Emergency information and communication systems; Capacity building to ensure adequate emergency response.</p>	<p>among the surviving cattle.</p> <ul style="list-style-type: none"> <li>➤ Ensure the rural communication system and shelter management process during disaster.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Help in rehabilitation of artisans and marginal businessmen—affected due to the disaster.</li> <li>➤ Make efforts to re-start schools as soon as possible and encourage children to attend school regularly.</li> <li>➤ Rehabilitation of livestock affected due to the disaster; Ensure replacement of mulch cattle to the affected farmers;—Free cattle feed for about 2 to 3 months.</li> </ul>
EE- Public Works	<ul style="list-style-type: none"> <li>➤ Conduct HRV analysis of PWD of the district.</li> <li>➤ Based on HRV analysis, prepared Contingency Action Plan for the Department.</li> <li>➤ All personnel required for disaster management should work under the overall supervision and guidance of</li> </ul>	<ul style="list-style-type: none"> <li>➤ Carry out route opening by removing debris on the road.</li> <li>➤ Provide a work team carrying emergency tool kits, depending on the nature and extent of the disaster, essential</li> </ul>	<ul style="list-style-type: none"> <li>➤ Undertake repair of all paved and unpaved road surfaces including edge metalling, pothole patching and any failure of surface, foundations in the affected areas by maintenance engineer's staff and keep monitoring their conditions.</li> </ul>

	<p>Deputy Commissioner.</p> <ul style="list-style-type: none"> <li>➤ All officers (technical officers) should be notified and should meet the staff to review emergency procedures.</li> <li>➤ Review and update precautionary measures and procedures, and review with staff the precautions that have been taken to protect equipment.</li> <li>➤ Maintain all the highways and access roads, which are critical from the point of view of supplying relief.</li> </ul>	<p>equipments to the disaster spot.</p> <ul style="list-style-type: none"> <li>➤ If people are evacuating an area, the evacuation routes should be checked and people assisted.</li> <li>➤ Construct/ reinforce the connecting roads from villages to roads, canals and Bundhs and raise their level so that people can access the high ground during disaster.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Undertake construction of temporary roads to serve as access to temporary transit and relief camps, and medical facilities for flood victims.</li> <li>➤ As per the decisions of the District Control Room, undertake construction of temporary structures required, for organizing relief work and construction of relief camps, feeding centres, medical facilities, cattle camps and SITE OPERATIONS CENTRES.</li> <li>➤ An up-to-date report of all damage and repairs should be kept in the district office report book and communicate the same to the District Control Room.</li> </ul>
DTO-Telecom	<ul style="list-style-type: none"> <li>➤ Communication establishment with District and Block/ Tahasil control</li> </ul>	<ul style="list-style-type: none"> <li>➤ Where Disaster strikes with/ without early</li> </ul>	<ul style="list-style-type: none"> <li>➤ If required portable / vehicle mounted / air-transportable BTSs</li> </ul>

	<p>room and departmental officers within the division.</p> <ul style="list-style-type: none"> <li>➤ An officer to be appointed as nodal officer</li> <li>➤ Standby arrangements for temporary electric supply or generators.</li> <li>➤ Inspection and repair of poles etc.</li> <li>➤ Identification of materials required for response operations.</li> <li>➤ All staff informed about the disasters, likely damages and effect</li> </ul>	<p>warning signals, TSPs shall immediately assess damage to their network and deploy Rapid Damage Assessment Team &amp; Disaster Response Task Force Teams (DRTF) with required inventory to provide emergency communication to priority callers like police, Fire, Medical, civil defense, Red Cross, Army, financial institutions, NGOs, all officers and staffs engaged in restoration of telecommunication services, etc</p> <ul style="list-style-type: none"> <li>➤ A control room will be setup at the state HQ /</li> </ul>	<p>/ BSCs with backhaul on satellite media may be installed by TSPs.</p> <ul style="list-style-type: none"> <li>➤ Nodal officer of TSPs of affected telecom circle level shall report to concerned DDG (TERM), DoT (Chairman of STDCC) in that circle, for sharing information and coordination related matters.</li> <li>➤ TERM units of DOT shall be the single nodal point in the disaster region where representatives of TSPs shall also be present to coordinate and oversee communication restoration efforts</li> <li>➤ All the affected areas and infrastructure will maintained immediately to make sure the effective communication after disaster for quick response.</li> </ul>
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		nearest to affected area, as the case may be, and made operational under control of TERM cell of affected area.	
CDVO	<ul style="list-style-type: none"> <li>➤ Prepare HRV Analysis of Animal Husbandry Department of the District.</li> <li>➤ Based on HRV Analysis, prepare Contingency Action Plan of the District.</li> <li>➤ All personnel required for Disaster/Flood Management should work under supervision and guidelines of District Magistrate.</li> <li>➤ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives.</li> <li>➤ Review and update precautionary measures and procedure and review with staff the precautions that have been taken to protect equipments.</li> </ul>	<ul style="list-style-type: none"> <li>➤ . Supply stocks of equipments and drugs which are likely to be most needed during the disaster.</li> <li>➤ Fill department vehicles with fuel and park them in a protected area.</li> <li>➤ Prepare an area of the hospital for receiving large number of livestock during disaster.</li> <li>➤ Distribute the requirement of water, fodder and animal feed, for cattle camps and organize the same.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Post Disaster Disease surveillance system</li> <li>➤ Special attention to vulnerable section</li> <li>➤ Assist the Revenue Department in preparing plans for cattle campus and cattle feeding centers.</li> <li>➤ Organize vaccination campaigns in disaster prone villages after the disaster.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Stock emergency medical equipments which may be required during and post disaster</li> </ul>	<ul style="list-style-type: none"> <li>➤ Ensure that adequate sanitary conditions through cleaning operations are maintained in order to avoid outbreak of any epidemic during disaster.</li> </ul>	
RTO/MVI	<ul style="list-style-type: none"> <li>➤ Disseminate the alert to all concerned staff.</li> <li>➤ Prepare a list of vehicles- trucks, buses, jeeps, tractors, etc of government and private agencies in the district and provide the list to the District control room.</li> <li>➤ Issue standing instructions to the State transport department for providing buses for evacuation and relief.</li> <li>➤ Recall important functionaries from leave; communicate to the staff to man their places of duties like the ward and divisional offices and respective departments.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Provide requires vans and ambulances for mobile health and animal husbandry teams for immediate response during disaster.</li> <li>➤ Provide trucks, buses, jeeps, tractors, etc for evacuation and supply chain management.</li> <li>➤ Fill department vehicles with fuel and park them in a protected area.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Providing vehicles for communication and relief.</li> <li>➤ Provide ambulances to rural areas for bringing affected people to hospitals after disaster.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives.</li> </ul>		
DFO-	<ul style="list-style-type: none"> <li>➤ Conduct HRV analysis of Forest of the district.</li> <li>➤ Based on HRV analysis, prepared Contingency Action Plan for the Department.</li> <li>➤ All personnel required for disaster management should work under the overall supervision and guidance of Deputy Commissioner.</li> <li>➤ All district level officials of the department would be asked to report to the Deputy Commissioner when disaster occurs</li> <li>➤ Emergency tools kits should be assembled for each division, and should include: Crosscut saws, Axes, rope.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Allow the transportation of fodder from forest areas, when the fodder is not freely available.</li> <li>➤ Evacuate the people and animal under the forest areas to a safest place.</li> <li>➤ Cut down the most vulnerable trees near the residential areas.</li> <li>➤ Provide wooden poles and bamboo for temporary shelter.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Ensure Plantation to maximum possible extent.</li> <li>➤ Ensure supply of wood for disposal of dead bodies.</li> <li>➤ Recall important functionaries from leave; communicate to the staff to man their places of duties like the ward and divisional offices and respective departments.</li> <li>➤ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives.</li> </ul>
Railway	<ul style="list-style-type: none"> <li>➤ Overall coordination with the district administration for disaster response.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Activate Search &amp; Rescue</li> <li>➤ Arrange temporary shelters</li> </ul>	<ul style="list-style-type: none"> <li>➤ Providing necessary information to public.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Disseminate the alert to all concerned staff.</li> <li>➤ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives.</li> <li>➤ Prepare and update the disaster risk map of the district. The map should show the vulnerability and risks of the critical infrastructure related to railway lines.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Mass Casualty Management units &amp; Triage</li> <li>➤ First Aid Centers</li> <li>➤ Medical surgical teams</li> <li>➤ A control room will be setup at the district HQ / nearest to affected area, as the case may be, and made operational under control of TERM cell of affected area.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Clearing the railway line blockages and restoration of the communication system.</li> <li>➤ Providing relief line to the vulnerable areas after disaster.</li> <li>➤ Special attention to vulnerable section.</li> </ul>
EE- Electricity	<ul style="list-style-type: none"> <li>➤ Conduct HRV analysis for the department of the district.</li> <li>➤ Based on HRV analysis, prepare Contingency Action Plan of department of Power Supply.</li> <li>➤ All personnel required for disaster management with work under the overall supervision and guidance of</li> </ul>	<ul style="list-style-type: none"> <li>➤ Instruct district staff to disconnect the main electricity supply for the affected area.</li> <li>➤ Dispatch emergency repair groups equipped with food, bedding, tents, and tools.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Ensure that the Power Supply department to make alternate arrangements of emergency supply for the following offices from time of receipt of districts: Hospitals ,Public Health Departments , Deputy Commissioner Office,District</li> </ul>

	<p>responsible officer.</p> <ul style="list-style-type: none"> <li>➤ Establish radio communications with State Emergency Operation Centre, Divisional Commissioner, District Control Room and your departmental offices within District/Division.</li> <li>➤ After receiving alert warning, immediately undertake following inspection: High tension lines ,Towers ,Sub-stations ,Transformers ,Insulators , Poles and Other equipments.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Protect Power Stations from disaster. Raise the height of compound walls. Arrange gunny bags.</li> <li>➤ Install pump sets for draining water in case of Flood/ Cyclone/ Tsunami, etc.</li> <li>➤ Provide information to the people about the state of power supply. It is one of the most important sources of information.</li> </ul>	<p>EOC, Sub-Divisional EOC, site Operation Centres. , Police Stations , Telecommunications buildings , Meteorological stations. Irrigation Office.</p> <ul style="list-style-type: none"> <li>➤ Hire casual labourers on an emergency basis for clearing of damaged poles and salvage of conductors and insulators.</li> <li>➤ Begin repair/reconstruction .</li> </ul>
EE – PHED	<ul style="list-style-type: none"> <li>➤ When early signs of distress appear in any part of the district, EE PHED will submit a special situation update to DM indicating the position in respect of water supply preparedness in the district.</li> <li>➤ Prepare and update the disaster risk map of the district. The map should</li> </ul>	<ul style="list-style-type: none"> <li>➤ Will ensure availability of adequate number of tool kits to prevent any damage during disaster.</li> <li>➤ Provide special attention to those places where the water supply were breached and repaired</li> </ul>	<ul style="list-style-type: none"> <li>➤ Supply the safe drinking water at the affected areas immediately after the disaster.</li> <li>➤ Maintenance of Water works immediately after the disaster.</li> <li>➤ Cleaning the sewerage system with adequate disinfection to prevent disease and epidemics.</li> </ul>

	<p>show the vulnerability and risks of the critical infrastructure related to water supply and public health.</p> <ul style="list-style-type: none"> <li>➤ Prepare a contingency plan for the maintenance and repairs water pipe systems.</li> <li>➤ Identify vulnerable areas, which are critical for disaster protection and control.</li> <li>➤ Review and update precautionary measures and procedures.</li> </ul>	<p>during the last disaster last year.</p> <ul style="list-style-type: none"> <li>➤ Deployed adequate team in the most vulnerable areas.</li> <li>➤ Opening the blockage of sewerage and sewage system during disaster to control the disease and epidemics.</li> </ul>	
DEO- School & Mass Education	<ul style="list-style-type: none"> <li>➤ Conduct HRV analysis of schools of the district.</li> <li>➤ Based on HRV analysis, prepared Contingency Action Plan for the Department.</li> <li>➤ All personnel required for disaster management should work under the overall supervision and guidance of the DEO.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Duck cover and hold first sign of earthquake move away from buildings.</li> <li>➤ Assist the evacuation teams in evacuation of the school buildings.</li> <li>➤ For a chemical hazard assist the warning team in disseminating the required</li> </ul>	<ul style="list-style-type: none"> <li>➤ Dissemination of information on do's and don'ts so that the situation doesn't worsen. This can be done in the coordination with the warning and information dissemination teams.</li> <li>➤ The damaged building and infrastructure should repair immediately after the disaster.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ All officers (technical officers) should be notified and should meet the staff to review emergency procedures.</li> <li>➤ Obtain IEC materials postars, Phmplets, simple tips on do's and don'ts in different disasters.</li> <li>➤ Conduct awareness generation activities systemically in the whole school targeting different classes and also staffs and teachers.</li> <li>➤ Assists in organizations of the evacuations drills for various hazards.</li> </ul>	<p>safety tips to the entire school.</p> <ul style="list-style-type: none"> <li>➤ Ensuring the schools becomes the shelter houses with adequate nos of equipments during the disaster.</li> </ul>	<ul style="list-style-type: none"> <li>➤ The relief lines should be measured from the school building after the disaster.</li> </ul>
DEO - Higher Secondary Education	<ul style="list-style-type: none"> <li>➤ Conduct HRV analysis of Higher Secondary schools of the district.</li> <li>➤ Based on HRV analysis, prepared Contingency Action Plan for the Department.</li> <li>➤ All personnel required for disaster management should work under the overall supervision and guidance of the DEO.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Duck cover and hold first sign of earthquake move away from buildings.</li> <li>➤ Assist the evacuation teams in evacuation of the school buildings.</li> <li>➤ For a chemical hazard assist the warning team in disseminating the required</li> </ul>	<ul style="list-style-type: none"> <li>➤ Dissemination of information on do's and don'ts so that the situation doesn't worsen. This can be done in the coordination with the warning and information dissemination teams.</li> <li>➤ The damaged building and infrastructure should repair immediately after the disaster.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Organized demonstration of fire safety, first aid and search and rescue through linkages with the fire brigade, health officials and civil defense and home guards.</li> <li>➤ Obtain IEC materials posters, Pamphlets, simple tips on do's and don'ts in different disasters.</li> <li>➤ Conduct awareness generation activities systemically in the whole school targeting different classes and also staffs and teachers.</li> <li>➤ Assists in organizations of the evacuations drills for various hazards.</li> </ul>	<p>safety tips to the entire school.</p> <ul style="list-style-type: none"> <li>➤ Ensuring the schools becomes the shelter houses with adequate nos of equipments during the disaster.</li> </ul>	<ul style="list-style-type: none"> <li>➤ The relief lines should be measured from the school building after the disaster.</li> </ul>
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## 10.5 Format for First Information Report (FIR)

First Information Report (FIR) should follow the flash report as soon as possible (within a matter of hours). Its purpose is to inform the recipients of the severity of the disaster and, more importantly, by relating the severity of the disaster to coping capacities, provides the information needed to start mobilizing resources from outside the affected area to help. The report needs to be sent to Special Relief Commissioner, Orissa within maximum of 18 hours of occurrence of calamity. The report should, therefore, briefly summarize:

### OFFICE OF THE DISTRICT MAGISTRATE, BALANGIR

(Emergency Section)

Letter No.            /Emg. Date DD/MM/YYYY

To

Special Relief Commissioner, Orissa

State Emergency Operation Centre (SEOC),

Rajiv Bhawan, Ground Floor, Unit-5, Bhubaneswar

Fax No: 0674-2534176, E-mail: [relief\\_sr@yahoo.com/src@ori.nic.in](mailto:relief_sr@yahoo.com/src@ori.nic.in)

**FIR of \_\_\_\_\_, 20XX**

- a. Nature of Calamity-
- b. Date and time of occurrence-
- c. Affected area (number and name of affected Blocks)-
- d. Population affected(approx.)-
- e. Number of Persons
  - Dead-
  - Missing-
  - Injured-
- f. Animals
  - Affected-
  - Lost-
- g. Crops affected and area (approx. in hect.)-
- h. Number of houses damaged-

- i. Damage to public property-
- j. Relief measures undertaken in brief-
- k. Immediate response & relief assistance required and the best logistical means of delivering that relief from State/National-
- l. Forecast of possible future developments including new risks-
- m. Any other relevant information-

**Addl. District Magistrate**

District Emergency Operation Centre (DEOC)

Balangir

*NB: The Districts will submit a detailed report on each of the above points as soon as possible after submission of the above First Information Report (FIR).*

### **10.6 Preparedness of Departments**

The Government departments playing lead or support roles in disaster preparedness are:

<b>Name of the Department</b>	<b>Normal Time</b>
Collector/ADM / Emergency Officer	<ul style="list-style-type: none"> <li>➤ Ensure regular meetings of District Disaster Management Authority</li> <li>➤ Develop &amp; update Disaster Management Plan, carry out Hazard analysis in the district</li> <li>➤ Identify safe alternate routes to cyclone shelters.</li> <li>➤ Keep a list of Contacts of EoCs, Nodal officer of different departments, Important stake holders, Village leaders, shelters</li> <li>➤ List of Relief lines &amp; storage places</li> <li>➤ List &amp; maintenance of SAR equipment</li> <li>➤ Capacity building of stakeholders &amp; volunteers</li> <li>➤ Assess preparedness through Mock Drills for different disasters at district department, block &amp; community level</li> <li>➤ Adopt sustainable mitigation measures</li> <li>➤ Integrate DM &amp; DRR features in development programmes</li> </ul>
CDMO	<ul style="list-style-type: none"> <li>➤ Disaster Management Plans &amp; Safety plans for Hospitals</li> <li>➤ Capacity building of Medical &amp; Para Medical Staffs</li> <li>➤ Assess preparedness through Mock Drills &amp; familiar exercises</li> <li>➤ Integrate department plans with plans with Village &amp; Block Plans and development programmes</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Develop media partnership</li> <li>➤ Develop capacity of hospitals with advance equipment, proper manning &amp; disaster resilient infrastructures</li> <li>➤ Stock piling of Life saving drugs/ORS packets/Halogen tablets on receipt of warning from the Collector/DCR</li> <li>➤ Transmission of messages to all PHCs to stock medicines and keep the medical staff ready</li> <li>➤ Disease surveillance and transmission of reports to the higher authorities on a daily basis.</li> <li>➤ Vaccination.</li> <li>➤ To obtain and transmit information on natural calamities from the DCR</li> <li>➤ Advance inoculation programme in the flood/Cyclone prone areas.</li> <li>➤ Ensuring distribution of areas of operation among the mobile team.</li> <li>➤ Pre-distribution of basic medicines to the people who are likely to be affected</li> <li>➤ Shifting the patients who are in critical situation to the District Hospital</li> <li>➤ Awareness messages to stop the outbreak of epidemics</li> <li>➤ Conducting mock drills</li> </ul>
Superintendent of Police (SP)	<ul style="list-style-type: none"> <li>➤ Reception of Warning from the DCR</li> <li>➤ Communication establishment with District and Block/Tahasil Control rooms and departmental offices within the division.</li> <li>➤ Alerting the APR force for deployment at the time of calamity</li> <li>➤ To issue directive to police field functionaries to co-operate with Revenue Personnel in management of Relief operation.</li> </ul>
EE- RWSS	<ul style="list-style-type: none"> <li>➤ Review and update precautionary measures and procedures and review with staff the precautions that have been taken to protect equipment.</li> <li>➤ Within the affected block, all available personnel will be made available to the District Magistrate. If more personnel are required then out of station official or those on leave may be recalled.</li> <li>➤ Prepare plans for water distribution to all transit and relief camps, affected villages and cattle camps and ensure proper execution of these plans.</li> <li>➤ Inform people to store an emergency supply of drinking water</li> <li>➤ Investigation of alternate of water and its supply.</li> <li>➤ Standby diesel pumps or generators should be installed in damage-proof buildings.</li> <li>➤ A standby water supply should be available in the event of damage, saline intrusion or other pollution of the regular supply.</li> <li>➤ Establish procedures for the emergency distribution of water if existing supply is disrupted.</li> <li>➤ Make provisions to acquire tankers and establish other temporary means of distributing water on an emergency basis.</li> <li>➤ Make provision to acquire containers and storage tanks, required for storing water on an emergency basis.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Protect pump stations from water logging.</li> <li>➤ Repair sewage lines where damage is detected.</li> <li>➤ Repair water pipelines wherever damaged.</li> </ul>
EE- Irrigation	<ul style="list-style-type: none"> <li>➤ Check the wireless network and ensure that all the flood stations are connected.</li> <li>➤ Establish mechanisms for exchange of information with irrigation divisions</li> <li>➤ Inspect all the Bundhs, and check their height and slope.</li> <li>➤ Check the top of the Bundhs, and if they have been cleared of encumbrances / encroachments and if they are motorable</li> <li>➤ Check that all the Bundhs have been repaired/ reinforced, in particular those Bundhs which were damaged during the last floods.</li> <li>➤ Check the drainage system of the Bundhs and ensure that the seepage and rat holes, etc. have been closed.</li> <li>➤ Check that all the materials required for protecting Bundhs have been stored at different places, and a list of these places has been furnished to the district administration</li> <li>➤ Check that the Junior engineers and other staff have been assigned their beats, and all the</li> <li>➤ Arrangements for continuous vigilance over these Bundhs have been made.</li> <li>➤ Check that all rain gauge stations are functional, and arrangements have been made to report the readings.</li> <li>➤ Check the regulators and siphons. Check that they have been repaired and cleaned, increasing the flow of water.</li> <li>➤ Check all the anti-erosion works, necessary to maintain the Bundhs.</li> </ul>
DAO- Agriculture	<ul style="list-style-type: none"> <li>➤ Review and update precautionary measures and procedures.</li> <li>➤ Check available stocks of equipments and materials which are likely to be most needed during and after flood/disaster.</li> <li>➤ Stock agricultural equipments which may be required during and after flood.</li> <li>➤ Determine what damage, pests or disease may be expected, and what drugs and other</li> <li>➤ insecticide items will be required, in addition to requirements of setting up extension teams for crop protection, and accordingly ensure that extra supplies and materials, be obtained quickly.</li> <li>➤ All valuable equipments and instruments should be packed in protective coverings and stored in room the most damage-proof.</li> <li>➤ Ensure that certified seeds of required varieties are available in adequate quantities.</li> <li>➤ Develop a pest and disease monitoring system so that timely steps can be taken to reduce damage to crops.</li> <li>➤ A pests and disease monitoring system should be developed to ensure that a full picture or risks is maintained.</li> <li>➤ Plan for emergency accommodations for agriculture staff from outside the area.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Extension Officers should be unplugged when flood/disaster warning is received.</li> </ul>
EE- Rural Works	<ul style="list-style-type: none"> <li>➤ Govt. buildings should be inspected and necessary repairs to be got executed to with standing hazards affected.</li> <li>➤ Script for slides, pamphlets, and cultural programmers should be got prepared immediately.</li> <li>➤ Arrangements should be made to obtain poster and films by addressing the Director through the Collectors.</li> <li>➤ Public addresses equipment should be obtain kept ready.</li> <li>➤ The community Radio sets available in the coastal villages should be ascertained</li> <li>➤ The names of Hamlets where they are not available to be reported.</li> <li>➤ The public should be fully educated regarding the precautionary measures &amp; after cyclone through available media.</li> <li>➤ Specific duties should be assigned to the field staff.</li> <li>➤ The field staff should proceed to the place of work allotted and be ready to attend to cyclone duty.</li> </ul>
EE- Public Works	<ul style="list-style-type: none"> <li>➤ All personnel required for disaster management should work under the overall supervision and guidance of DM.</li> <li>➤ Review and update precautionary measures and procedures, and review with staff the precautions that have been taken to protect equipment.</li> <li>➤ Vehicles should be inspected, fuel tanks filled and batteries and electrical wiring covered as necessary.</li> <li>➤ Extra transport vehicles should be dispatched from headquarters and stationed at safe strategic spots along routes likely to be affected.</li> <li>➤ Heavy equipments, such as front-end loaders, should be moved to areas likely to be damaged and secured in a safe place.</li> <li>➤ Clean the area beneath bridges regularly for smooth flow of water excess.</li> <li>➤ Maintain all the highways and access roads, which are critical from the point of view of supplying relief.</li> <li>➤ Inspect all buildings and structures of the state government (including hospital buildings.) by a senior engineer and identify structures which are endangered by the impending disaster.</li> <li>➤ The designation of routes strategic to evacuation and relief should be identified and marked, in close coordination with police and District Control Room</li> <li>➤ Establish a priority listing of roads which will be opened first. Among the most important are the roads to hospitals and main trunk routes</li> <li>➤ Work under construction should be secured with ropes, sandbags and covered with tarpaulins if necessary.</li> <li>➤ Construct/ reinforce the connecting roads from villages to roads, canals and Bundhs and raise their level so that people can access the high ground.</li> <li>➤ Inspection of old buildings and suggesting retrofitting of weak buildings/</li> </ul>

	<p>demolition of dangerous structures and evacuation of population.</p> <ul style="list-style-type: none"> <li>➤ Carry out route opening by removing debris on the road.</li> <li>➤ Begin clearing roads. Assemble casual labourers to work with experienced staff and divide them into work gangs.</li> </ul>
DTO-Telecom	<ul style="list-style-type: none"> <li>➤ Assess the different disaster scenarios and match the communications needs with the available resources.</li> <li>➤ Ensure that TSPs (private and public) invest in preventive measures that will ensure maximum robustness and preparedness of the telecom networks during emergencies.</li> <li>➤ Ensure that TSPs (private and public) develop detailed emergency plans for management of resources under their responsibility.</li> <li>➤ Conduct annual reviews of the ETP/SOP - Organize annual symposium on telecommunications availability during emergency. –</li> <li>➤ Update the communications plan according to development and innovations in emergency telecommunications systems.</li> <li>➤ Disseminate information among the Public and the district administration on the availability of telecom services and equipment's for use during emergencies.</li> </ul>
CDVO	<ul style="list-style-type: none"> <li>➤ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives. Review and update precautionary measures and procedure and review with staff the precautions that have been taken to protect equipments.</li> <li>➤ Prepare a list of water borne diseases that are preventable by vaccination.</li> <li>➤ Publicize the information about common diseases afflicting livestock and the precautions that need to be taken.</li> <li>➤ Assist the Revenue Department in preparing plans for cattle campus and cattle feeding centers.</li> <li>➤ Stock emergency medical equipments which may be required during and post disaster Surgical packs should be assembled and sterilized.</li> <li>➤ Enough stock of surgical packs should be sterilized to last for four to five days.</li> <li>➤ The sterilized surgical packs must be stored in protective cabinets to ensure that they do not get wet. Covering the stock with polythene is recommended as an added safety measure.</li> <li>➤ All valuable equipments and instruments should be packed in protective coverings and stored in room the most damage-proof.</li> <li>➤ All electrical equipments should be unplugged when disaster warning is received.</li> <li>➤ Organize vaccination campaigns in disaster prone villages before, during and after the disaster.</li> <li>➤ Prepare kits for veterinary diseases, which could be provided to veterinary doctors at the block level and extension officers at the village level. Kits can also be provided to the private veterinary doctors.</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Arrange for emergency supplies of anesthetic drugs.</li> <li>➤ Check stocks of equipments and drugs which are likely to be most needed during and after disaster.</li> <li>➤ Fill department vehicles with fuel and park them in a protected area.</li> <li>➤ Fill hospital water storage tanks and encourage water savings. If no storage tanks exist, water for drinking should be drawn in clean containers and protected.</li> <li>➤ Prepare an area of the hospital for receiving large number of livestock.</li> <li>➤ Develop emergency admission procedures (with adequate record keeping).</li> <li>➤ Establish cattle camps and additional veterinary aid centres at affected sites and designate an Officer In-charge for the camp.</li> <li>➤ Estimate the requirement of water, fodder and animal feed, for cattle camps and organize the same.</li> <li>➤ Ensure that adequate sanitary conditions through cleaning operations are maintained in order to avoid outbreak of any epidemic.</li> <li>➤ An injury and disease monitoring system should be developed, to ensure that a full picture of risk is maintained.</li> <li>➤ Plan for emergency accommodations for veterinary staff from outside the area.</li> </ul>
RTO/MVI	<ul style="list-style-type: none"> <li>➤ Prepare a list of vehicles- trucks, buses, jeeps, tractors, etc of government and private agencies in the district and provide the list to the District control room.</li> <li>➤ Provide requires vans and ambulances for mobile health and animal husbandry teams.</li> <li>➤ Provide trucks, buses, jeeps, tractors, etc for evacuation and supply chain management</li> <li>➤ Issue standing instructions to the State transport department for providing buses for evacuation and relief.</li> <li>➤ Recall important functionaries from leave; communicate to the staff to man their places of duties like the ward and divisional offices and respective departments.</li> <li>➤ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives.</li> </ul>
DFO	<ul style="list-style-type: none"> <li>➤ Develop and quarterly update the disaster management plan that includes the Contingency Action Plan for the Department based on HVRC analysis with the active involvement of all concerned line departments and local bodies in the district</li> <li>➤ Make personnel available to the District Magistrate, within the affected block,. If more personnel are required, recall those on leave.</li> <li>➤ Identify areas that could be opened or made available for grazing or fodder collection in case of disaster</li> <li>➤ Ensure that adequate supply of small poles or bamboo is available for reconstruction of houses of the affected people, as well as wood for</li> </ul>

	<p>cremation of dead.</p> <ul style="list-style-type: none"> <li>➤ Ensure plantation to the maximum possible extent.</li> </ul>
Railway	<ul style="list-style-type: none"> <li>➤ Identification of flood prone areas, RAT, RAW and information prone to erosion/breaches and marking them on railways system map.</li> <li>➤ Development of Flood Shelters for staff and passenger at suitable locations in the areas prone to repeated floods</li> <li>➤ Study of changed water catchment area due to construction of highways, Dams.</li> <li>➤ Study of changed rainy season month on a particular region.</li> <li>➤ Action Plan for Alignment, Location, Design and Provision of Waterway on Railways Embankments</li> <li>➤ Inspections of Railway Affecting Works – to be streamlined and timely ensured.</li> <li>➤ Review of waterways for adequacy and alignment and measures to modify, if needed.</li> <li>➤ Status Note on the lessons learnt from the previous flood situations in the past 5 years.</li> <li>➤ Bye-laws for buildings in flood plains.</li> <li>➤ Making existing and new buildings and infrastructure capable of withstanding fury of floods.</li> </ul>
EE- Electricity/OPTCL	<ul style="list-style-type: none"> <li>➤ Review and update precautionary measures and procedures and review with staff the precautions that have been taken to protect equipment.</li> <li>➤ Ensure that the Power Supply department to make alternate arrangements of emergency supply for the major offices from time of receipt of districts</li> <li>➤ Check emergency tool kits, assembling any additional equipment needed.</li> <li>➤ After receiving alert warning, immediately undertake following inspection of High tension lines, Towers, Sub-stations, Transformers, Insulators, Poles and other equipments</li> <li>➤ Instruct district staff to disconnect the main electricity supply for the affected area.</li> <li>➤ Protect Power Stations from disaster. Raise the height of compound walls. Arrange gunny bags. Install pump sets for draining water in case of Flood/ Cyclone/ Tsunami,</li> <li>➤ etc.</li> <li>➤ Provide information to the people about the state of power supply. It is one of the most important sources of information. Establish temporary electric supplies to other key public facilities, public water system etc. to support emergency relief.</li> <li>➤ Establish temporary electric supplies to transit camps feeding centres, relief camps and Site Operation Centre, District EOC and on access roads to the same.</li> <li>➤ Establish temporary electric supplies for staging area.</li> <li>➤ Compile an itemized assessment of damage, from reports made by various</li> </ul>

	electrical receiving centres and sub-centres.
EE - PHED	<ul style="list-style-type: none"> <li>➤ Formation of Disaster Management Cell and manning with senior personnel drawn from key sections of the dept.</li> <li>➤ Formulation of Public Health Engineering related programme and activities by intonating them with hazard specific preventive and mitigation measures.</li> <li>➤ Creation of stocks of installation materials at the district level for use in emergencies.</li> <li>➤ Orientation and training of a team of technicians to do installation as quickly as possible.</li> <li>➤ Strategizing the installation of hand-pumps etc. with hazard profile of the area in mind.</li> <li>➤ In consultation with the Department of Education and DMD, provision of additional sanitation and drinking water facilities in schools and relief shelters where people take refuge during flood.</li> <li>➤ In consultation with the Department of Disaster Management making special arrangements for the supply of drinking water in drought prone areas.</li> <li>➤ Planning for repair and maintenance of the facilities created as a part of the programme and activities.</li> <li>➤ Keeping a track of groundwater level and having a fresh look at the facilities created accordingly.</li> <li>➤ Organizing interaction with Gram Panchayats for having proper sanitation facilities, and providing them support and guidance in planning, implementation and maintenance of the same.</li> <li>➤ Procurement, upkeep and maintenance of sanitation equipment for use in emergencies.</li> </ul>
DPS, SSA- School & Mass Education/ DEO - Higher Secondary Education	<ul style="list-style-type: none"> <li>➤ Formation of Disaster Management Cell and manning the same by senior personnel drawn from key Directorates.</li> <li>➤ Incorporating costs for preventive and mitigation measures for earthquake, flood, fire and cyclonic storm prone areas to construct disaster resistant school buildings.</li> <li>➤ In association with Fire Dept. getting fire extinguishers installed in schools and teachers identified and trained in operating them.</li> <li>➤ Awareness Generation Programmes about Hazard, the kind of preparedness required and how to act at the time of disaster shall be organized in schools on monthly basis.</li> <li>➤ Disaster Management shall be made a part of the school curriculum.</li> <li>➤ The Department shall get quality films made on hazard wise disaster preparedness and organize their viewing by children and their parents.</li> <li>➤ The Department shall in association with Nehru Yuva Kendra organize locality based youth clubs and get them groomed in escort services, relief work and taking care of children, women, old and sick.</li> <li>➤ Making adequate arrangements for getting hand pumps installed, storage facilities created, toilet and bathrooms built in those schools where</li> </ul>

	<p>communities do take shelter during flood. Concerned departments shall either make the arrangements or make funds available for the same.</p>
BDO/Tahasildar	<ul style="list-style-type: none"> <li>➤ Providing authentic information required by the DCR</li> <li>➤ Preparing a record of previous disasters in the locality and analyzing the effects</li> <li>➤ Preparing hazard maps of the Block./Tahasil &amp; the GPs in minute details</li> <li>➤ Mapping the cut off areas with alternate route map.</li> <li>➤ Identification of shelter places in the maps</li> <li>➤ Keeping a List of storage Points &amp; facilities available, dealers of foodstuffs.</li> <li>➤ Keeping a list of vulnerable people and area and weak points on embankments (if applicable)</li> <li>➤ Creating a Control Room at the respective level and assignment of duties to the staff.</li> <li>➤ Pre-positioning of staff for site operation centers.</li> <li>➤ Uninterrupted communication with the DCR</li> <li>➤ Arrangement of alternative communication/generator sets, etc</li> <li>➤ Formation of GP/village level disaster committees and task forces</li> <li>➤ Arrangement of boats on hire available locally.</li> <li>➤ Deployment of Boat in the most vulnerable areas.</li> <li>➤ Organizing awareness camps at GP/village levels</li> <li>➤ Dissemination of Warning:</li> <li>➤ Crosschecking with the DCR for the authenticity of the warnings</li> <li>➤ Arrangement or requisition of Jeeps/Trekkers/ Auto Rickshaw to disseminate received warning information's to the population of vulnerable / weak places</li> <li>➤ Dissemination of warning/ coordination with District control room.</li> <li>➤ Warning the people about probable affected areas</li> <li>➤ Mobilizing the people to leave for identified shelters with their domestic animals and personnel belongings.</li> </ul>

## Daily Status Report on Relief/ Restoration Measures Undertaken By Departments

### Health Department.

Medical Relief Centres Opened-  
Mobile teams deployed-  
Wells disinfected-  
ORS distributed-  
Halogen Tablets distributed-  
Minor Ailment Treated-

### R.D. Department.

Mobile vans deployed-  
Water tanker deployed-  
ORS powder distributed-  
Halogen Tablets distributed-  
Water pouches distributed-  
Bleaching powder distributed-  
Sintex Tanks available-  
Tube wells disinfected-

### FS & CW Department

.....Qtls. Chuda, ..... Qtls gur supplied to .....

Blocks

(Qty .in

quintals)

District	Chuda	Gur

- ..... Qtls of rice has been allocated to the District mentioned below

<b><u>Blocks</u></b>	<b><u>Quantity allocated (in quintal)</u></b>	<b><u>Total</u></b>
<b>Fisheries &amp; A,R.D. Department</b>		
	<ul style="list-style-type: none"> <li>• Animals vaccinated-</li> <li>• Animals treated-</li> </ul>	
<b>Damages to Roads/River Embankments</b>		
<b>R.D. Department.</b>		
	Roads damaged-	
	CD/Breach occurred-	
	Breach closed-	
	Building damaged-	
	Building collapsed-	
	Pipe water supply affected-	
	Tube Wells affected-	
<b>Works Department.</b>		
	Roads damaged-	
	Breach occurred-	
	CD works damaged-	
	CDs washed away-	
	Breach closed-	
<b>W.R Department.</b>		
	Breach occurred-	
	Breaches closed-	
	Breach closing works in progress-	

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## **Chapter-11- Rehabilitation & Restoration**

Rehabilitation and restoration comes under recovery phase immediately after relief and rescue operation of the disaster. This post disaster phase continues until the life of the affected people comes to normal. This phase mainly covers damage assessment, disposal of debris, disbursement of assistance for houses, formulation of assistance packages, monitoring and review, cases of non-starters, rejected cases, non-occupancy of houses, relocation, town planning and development plans, awareness and capacity building, housing insurance, grievance redress and social rehabilitation etc.

The district is the primary level with requisite resources to respond to any natural calamity, through the issue of essential commodities, group assistance to the affected people, damage assessment and administering appropriate rehabilitation and restoration measures.

The District Disaster management Authority reviews the relief measures submit financial requisition to the state Govt. under SDRF & NDRF. The requisition must reach the SDMA & SRC office in the prescribed format as detailed below for smooth & quick processing.

### 11.1 Standard Operating Procedure: Restoration & Rehabilitation

Name of the Department	Normal Time
Collector/ADM / Emergency Officer	<ul style="list-style-type: none"> <li>• Restoration of Critical Infrastructures to bring situation to normalcy</li> <li>• Ensure Restoration of roads &amp; channels, Communication network, Electricity &amp; Energy</li> <li>• Ensure health in the affected areas</li> <li>• Adopt sustainable mitigation measures in the restoration activities</li> </ul>
CDMO	<ul style="list-style-type: none"> <li>• Carry out Disease surveillance measures to check epidemic prone diseases</li> <li>• Dis-infection of drinking water &amp; measures for health &amp; hygiene</li> <li>• Rehabilitation of deprived &amp; destitute</li> <li>• Carry out Trauma &amp; Psycho-social counseling</li> </ul>
Superintendent of Police (SP)	<ul style="list-style-type: none"> <li>• Security arrangements for relief materials in transit and in camps etc.</li> <li>• Senior police officers to be deployed in control rooms at State &amp; district levels during L 1 level deployment onwards.</li> <li>• Deploy personnel to guard vulnerable embankments and at other risk points.</li> <li>• Arrangement for the safety.</li> <li>• Coordinate search, rescue and evacuation operations in coordination with the administration</li> <li>• Emergency traffic management.</li> </ul>

	<ul style="list-style-type: none"> <li>• Maintenance of law and order in the affected areas.</li> <li>• Assist administration in taking necessary action against hoarders, black marketers etc.</li> </ul>
EE- RWSS	<ul style="list-style-type: none"> <li>• Provision of tube wells at the squares, market places, bus stops, public buildings like schools, hospitals etc. to face the heat wave situation.</li> <li>• Alternate drinking water sources for the fluoride- affected areas like Roof top water harvesting, rainwater conservation and recycling.</li> <li>• Construction of drains in the villages for easy discharge of the flood water, wastewater and sewage</li> <li>• IEC campaign for safe drinking water and sanitation to prevent any health hazard in normal time in general and during disaster in particular.</li> </ul>
EE- Irrigation	<ul style="list-style-type: none"> <li>• Planning for new medium irrigation project and completion of the ongoing project in the rivers to increase the irrigational potential of the district.</li> <li>• Strengthening the weak points of the river embankments,</li> <li>• Provision of spurs, stone packing, launchings at the turning point and guide bank along the course of the rivers and big Nallas to prevent the damage during flash flood.</li> <li>• Constructions of culverts, cause ways and other cross drainage work for quick discharge of flood water and to prevent prolonged submergence causing damage to the important infrastructure.</li> <li>• Planning and Construction of Minor Irrigation Projects at suitable location.</li> <li>• Construction of masonry check dams on some seasonal and perennial Nallas</li> </ul>
DAO- Agriculture	<ul style="list-style-type: none"> <li>• Encourage the formation of social institution to increase their access to credit, market, insurance etc.</li> </ul>

	<p>like Producers/Growers association,</p> <ul style="list-style-type: none"> <li>• Cooperatives, Societies, Farmers club etc.</li> <li>• Capacity building of farmers and grass root extension workers on the modern agriculture practices, dynamic contingency crop planning, IPM, INM, alternate land use etc on</li> <li>• Popularization of Seed Village scheme and promotion of Community managed Seed Bank.</li> <li>• Increase the access of farmers to appropriate agro information, market, credit etc.</li> <li>• Promotion of the cultivation of vegetables, spices, tuber crops, mushroom etc through on field demonstration and minikit distribution program.</li> <li>• Construction of low cost storage structures for the perishable agro/hort. Products.</li> <li>• Training of the SHGs, vegetable growers etc. on the package of practice, proper storage, processing and value addition of the hort. Products.</li> <li>• Treatment of arable and non-arable lands through various mechanical and vegetative measures to prevent further their degradation and increase productivity</li> </ul>
EE- Rural Works	<ul style="list-style-type: none"> <li>• Strengthening and restoration of infrastructure with an objective to eliminate the factor(s) which caused the damage.</li> </ul>
EE- Public Works	<ul style="list-style-type: none"> <li>• Construct/reinforce the connecting roads from villages to roads, canals and bunds and raise their level so that people can access the high ground.</li> <li>• Install adequate road signs to guide and assist the drivers.</li> </ul>

	<ul style="list-style-type: none"> <li>• Institute repair of all paved and unpaved road surfaces, including edge metaling, pothole patching and any failure of surface, foundations in the affected areas by maintenance engineer's staff and keep monitoring their conditions.</li> <li>• Take on construction of temporary roads to serve as access to temporary transit and relief camps and medical facilities for disaster victims.</li> </ul>
DTO-Telecom	<ul style="list-style-type: none"> <li>• Assessment of damage and restoration of communication network.</li> <li>• Ensure all communication equipment installed at DEOC.</li> </ul>
CDVO	<ul style="list-style-type: none"> <li>• Popularization of the livestock farming as one of the viable alternative livelihood option in the normal year in particular and in drought year in general through awareness generation, attractive schemes etc.</li> <li>• Improvement of the quality and productivity of local livestock through Artificial Insemination and other breeding process.</li> <li>• Strengthening of the dispensaries/Livestock Aid centers with staffs, medicines, and equipment to proper health care of the animal.</li> <li>• Capacity building of the grass root extension workers/Para worker/ farmers on animal health care and hygiene, AI/breeding, birth care etc.</li> <li>• Popularization of the cultivation of nutritious fodder grasses or trees in the home stead/field bunds of farmers/village pasture lands etc. through demonstration unit, mini kit distribution etc.</li> <li>• Storage, Processing, Market linkage, Price fixation of the livestock products</li> <li>• Promotion of the development of Institutions like Milk Cooperatives, Goat grower association etc.for</li> </ul>

	<p>better access to market, credit etc.</p> <ul style="list-style-type: none"> <li>• Introduction of Pisciculture in all the Dams,</li> <li>• Reservoirs/MIP/GP tanks and other bodies.</li> <li>• Supply of quality and productive fingerlings of fast growing/improved fish species.</li> <li>• Capacity building of fish farmers/grass root extn. Workers/SHG members on commercial pisciculture, fish seed and feed production etc.</li> </ul>
RTO/MVI	<ul style="list-style-type: none"> <li>• Emergency repairs of roads if affected must be carried out.</li> <li>• A system for priority transport of relief goods and personnel must be developed.</li> <li>• Relief goods may be considered for exemption from freight charges, if any.</li> <li>• All bus depots should be equipped with emergency communication equipments.</li> <li>• Every work gang should have tools which will be needed in an emergency.</li> <li>• This should include crosscut saws, axes and ropes.</li> <li>• Raincoats, caps and gumboots should be made available to work gangs in an emergency</li> </ul>
DFO	<ul style="list-style-type: none"> <li>• Improvement of the Vegetation coverage and Biomass production to meet the multiple community need like food, fuel wood, fodder etc. through three-tier plantation.</li> <li>• Regeneration of degraded village Common Property Resources like village forest, waste land through the gap filling and block plantation of multipurpose tree species.</li> <li>• Prevention of indiscriminate forest felling through strict introduction of rules and regulation and massive awareness generation.</li> </ul>

	<ul style="list-style-type: none"> <li>• Strengthening of the community based organizations like VSS through various training, exposure, orientation, and sensitization and ensures the involvement of the local community in forest management (regeneration, protection etc.)</li> <li>• Fair Collection and marketing of the NTFP products</li> <li>• Restricted grazing of the cattle herd in the forest area is to be ensured to protect the natural regeneration of the forest ecosystem.</li> </ul>
Railway	<ul style="list-style-type: none"> <li>• Rapid access to the site of the accident. ∞</li> <li>• Effective site management by making best use of on-board and locally available resources.</li> <li>• Quick extrication of victims. ∞ Speedy transportation of victims to hospital.</li> <li>• Proper communication system both for assisting the stranded passengers as well as giving out timely information to the media.</li> </ul>
EE- Electricity	<ul style="list-style-type: none"> <li>• Disconnect electricity after receipt of warning.</li> <li>• Attend sites of electrical accidents and assist in undertaking damage assessment.</li> <li>• Stand-by arrangements to ensure temporary electricity supply.</li> <li>• Inspection and repair of high tension lines /substations/transformers/poles etc.</li> <li>• Ensure the public and other agencies are safeguarded from any hazards, which may have occurred because of damage to electricity distribution systems.</li> <li>• Restore electricity to the affected area as quickly as possible.</li> <li>• Replace / restore of damaged poles/ salvaging of conductors and insulators.</li> </ul>

EE – PHED	<ul style="list-style-type: none"><li>• Provision of tube wells at the squares, market places, bus stops, public buildings like schools, hospitals etc.</li><li>• Alternate drinking water sources to affected area</li><li>• Construction of drains for easy discharge of the flood water, wastewater and sewage</li><li>• IEC campaign for safe drinking water and sanitation to prevent any health hazard in normal time in general and during disaster in particular.</li></ul>
DPC, SSA- School & Mass Education/ DEO - Higher Secondary Education	<ul style="list-style-type: none"><li>• Department and the field level institution will prepare a contingent Action Plan for their reconstruction.</li><li>• Damaged buildings (including classroom building, department building, and breaking of window) should be assessed and the report is to be sent to SRC for adequate funding needed for repair and constructions of building, boundary wall, Hostels etc. for quick recovery and restoration of Education.</li></ul>

## 11.2 Damage Loss Assessment

Sector	Damage in Physical terms	Requirement of funds for repair of immediate nature	Out of (3) amount available from annual budget	Out of (3) amount available from related schemes/ programmes / other sources	Out of (3) amount proposed* to be met from SDRF/NDRF as per the list of works indicated in the revised items & norms
1	2	3	4	5	6
Roads & Bridges					
Drinking water Supply works (Rural)					
Drinking water Supply works (Urban)					
Irrigation					
**Power					
Primary Health Centres					

Community assets in social sectors covered by Panchayats					
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### 11.3 Calculation of assistance for agricultural input subsidy-SMF

(Rs. In lakh)

Sl.	Name of the Block	Area held by SMF (in Hectares)	Total Agricultural area Affected [in Hect.]	Total agricultural area where crop loss is > 50%	Crop loss 33% & above			Expenditure incurred			Total
					Irrigated [in hect.]	Rainfed [in hect.]	Perennial	Irrigated @Rs.13,500/- per hectare	Rainfed @Rs.6800/- per hectare	Perennial @ Rs.18000/ per Hect.	
1											
2											
Total											

**11.4 Agricultural input subsidy- Farmers other than SMF****Farmers affected first year****Rs. In lakh)**

Sl.	Name of the Block	Area held by farmers other than SMF (in hectares	Crop loss > 33%							
			No of Farmers	Irrigated area in hect	Amount spent @ Rs.13,500/- per hect.	Rainfed Area in hect.	Amount spent @ Rs.6800/- per hect.	Perennial Area in hect	Amount Spent @ Rs.18000/ per Hect.	Total Amount Spent
1										
Total										

**11.5 Farmers affected by successive calamities**

Sl.	Name of the Block	Area held by farmers other than SMF (in hectares)	Crop loss > 33%							
			No of Farmers	Irrigated area in hect	Amount spent @ Rs.13,500/- per hect.	Rainfed Area in hect.	Amount spent @ Rs.6800/- per hect.	Perennial Area in hect	Amount Spent @ Rs.18000/ per Hect.	Total Amount Spent
1										
Total										

### 11.6 Animal Husbandry (Replacement of Animals)

Name of the Block	No of Livestock / Birds lost					No of animals qualifying for relief grant (i.e., subject to ceiling of 3 large milch animal or 30 small milch animals or 3 large draught animal or 6 small draught animal per household				Expenditure incurred ( Milch animals @ Rs.30,000 for large animal , Rs.3000 for small animals & Draught animals @ Rs 25000 for large animal, Rs. 16,000 for small animals)				Poultry @ 50/- per bird subject to a ceiling of assistance of Rs.5000/- per beneficiary household.	Total expenditure (11+12+13+14+15)
	Milch Animal		Draught Animal		Poultry Birds	Milch Animal		Draught Animal		Milch Animal		Draught Animal			
	Buffalo / Cow	Sheep / Goat	Camel/ Horse/ Bullock	Calf/ Donkey/ Pony		Buffalo / Cow	Sheep/ Goat	Camel/ Horse / Bullock	Calf/ Donkey / Pony	Buffalo / Cow	Sheep/ Goat	Camel / Horse / Bullock	Calf/ Donkey/ Pony		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

**11.7 Assistance sought for repair /restoration of damaged houses***(Rs. In Lakh )*

Sl	District	Fully Damaged/ Severely Damaged								Partially (15% & More)				Huts		Cattle shed attached with house		TOTAL
		Plain Areas				Hilly Areas												
		Pucca	Amount @ Rs.- 95100/-	kutcha	Amount @ Rs.- 95100/-	pucca	Amount Rs.- 101900/-	Kutcha	Amount @ Rs.- 101900/-	pucca	Amount @ Rs.- 5200/-	Kutcha	Amount @ Rs.- 3200/-	Nos.	Amount @ Rs.- 4100/-	Nos.	Amount @ Rs.- 4100/-	
1																		
TOTAL																		

### 11.8 Assistance for provision for temporary accommodation, food, clothing and medical care

Sl. No.	Name of the district	Average No. (in a day) of relief camps	Average duration of operation of relief camps	Average No. of people accommodated per day in the relief camps	Expenditure incurred on (Rs. in lakh)				
					Temporary accommodation	Food	clothing	Medical care	Total expenditure
1									
Total									

### 11.9 Extent of damage due to natural calamities

**Dist : Balangir      Nature and period of natural calamity :**

Sl.	Item	Details
1.	Total number of Blocks in the district	
2.	Number and names of Blocks affected	
3.	Number of villages affected	
4.	Population affected (in lakh)	
5.	Total land area affected (in lakh ha.)	
6.	Cropped area affected (in lakh ha)	
	i) Total cropped area affected	
	ii) Estimated loss to crops (Rs. in lakh)	
	iii) Area where cropped damage was more than 33%	
7.	Percentage of area held by SMF	
	i) In the State as a whole	
	ii) In the affected districts	
8.	House damaged	

	a) No. of houses damaged	
	i) Fully damaged pucca houses	
	ii) Fully damaged kutch houses	
	iii) Severely damaged pucca houses	
	iv) Severely damaged kutch houses	
	v) Partly damaged houses (pucca + kutch)	
	vi) No. of huts damaged	
	b) Estimated value of damage to houses (Rs. in lakh)	
9.	No. of human lives lost	
	No. of persons with grievous injuries	
	No. of persons with minor injuries	
10.	Animal lost	
	a) No. of big animals lost	
	b) No. of small animals lost	
	c) No. of poultry (birds) lost	
11.	Damage to public properties	
	a) In physical terms (sector wise details should be given – e.g. length of State roads damaged, length of districts roads damaged, length of village roads damaged, No. of bridges damaged, No. of culverts damaged, No. of school buildings damaged etc.)	
	b) Estimated value of the damage to public properties	
	Estimated total damage to houses, crops and public properties	

### 11.10 Format for working out the requirements under the head of repair of damaged infrastructure of immediate nature

(Rs. In lakh)

Sector		Damage in physical terms	Requirement of funds for repair of immediate nature	Out of (3), amount available from annual maintenance budget	Out of (3), amount available from related schemes / programs/ other sources	Out of (3), amount proposed to be met from CRF/NCC F in accordance with list of works indicated in the Appendix to the revised items and norms
Roads & Bridges	PWD Roads	No. of breaches- Length of Road damaged – No. of culverts damaged – No. of				

		culverts washed away —				
	Rural Roads	No. of Roads damaged – Length of Road damaged – No. of breaches – No. of CD/Bridge damaged– No. of CD/Bridge washed away —				
	Urban Roads	Length of drain damaged – Length of Road damaged No. of culverts damaged –				
	Panch ayat Roads	No. of Roads damaged – Length of				

		breaches – Length of Road damaged – No. of culverts damaged – No of culverts washed away				
	River/ Canal Emban kment Roads	No of Roads damaged in river embankment s– Length of Road damaged in river embankment s – No of Roads damaged in canal embankment s – Length of Road damaged in canal				

		embankment s –				
<b>Drinking Water Supply</b>	Rural Water Supply	No of Tube wells damaged – No of platforms damaged – No. of Rural pipe water supply system damaged -				
	Urban Water Supply					
<b>Irrigation</b>	River Embankment	No of breaches – Length of breach in Km – No of partial damage -				
	Canal Embankments	No of breaches – Length of breach in Km – No of partial				

		damage -				
	M I project s	No of Minor Irrigation projects damaged -				
	Cleara nce of Draina ge channe ls	Length of drainage channels congested with vegetative materials –				
<b>Primary Education</b>	Primar y School Buildi ngs	No of Primary School buildings damaged -				
<b>PHCs</b>	PHCs	No of Primary Health Centres damaged -				
<b>Community assets owned by Panchayats</b>	Comm unity Halls	No of Panchayat Ghar/Comm unity Hall damaged -				
	AWW	No of				

	Centres	Anganwadi Centres damaged -				
<b>Power</b>	Electrical lines	No of Primary sub-stations damaged – 33 KV lines damaged – 11 KV lines damaged – Distribution Transformers damaged – LT lines damaged –				
<b>Total</b>						

## Chapter- 12 -Recovery

### An insight

A series of long term activities framed to improve upon the repaired activities in the Reconstruction & rehabilitation phase are covered under Recovery phase. Recovery includes all aspects of mitigation and also incorporates the continuation of the enabling process, which assists the affected persons and their families not only to overcome their losses, but also to achieve a proper and effective way to continue various functions of their lives. The Recovery process is therefore a long-terms process in which everyone has a role – the Government including the PRI members, NGOs and especially the affected people, their families and the community.

- Preparation of Recovery plan for displaced population, vulnerable groups, environment, livelihoods
- Organise initial and subsequent technical assessments of disaster affected areas and determine the extent of recovery works necessitated in addition to reconstruction & rehabilitation works.
- Evaluate the extent of works under SDRF/NDRF & other sources(damaged infrastructures)
- Explore opportunities for external aids like (International Agencies / Civil Society / Corporate Sector)
- Allocate funds for the stabilisation of the repaired & reconstructed infrastructure.
- Integrate Climate change & Disaster Risk Reduction features in the recovery programmes

The DM & Collector will be the co-ordinator of all Recovery activities in the District. The role of the DM & Collector will be to:

- Generally monitor the management of the recovery process;
- Ensure implementation of the recovery plan by line departments, blocks
- Effective service delivery minimising overlap and duplication;

## ASSESSMENT AND PRIORITIZATION

Comprehensive District Plan, 2016 prepared by District Planning and Management Unit, Balangir made a detail SWOT analysis of the district and suggested few priority area from which three areas are directly linked with Disaster Management. In this background, DDMP, 2019 chalked out a recovery plan in compliance with the existing plan of the various departments especially for **DROUGHT (IRRIGATION), LIVELIHOOD and HEAT WAVE (DRINKING WATER)** which are the priority of the district.

### DDMP Prioritization

1. Drought Mitigation Measures with Irrigation Potential
2. Livelihood Restoration
  - a) *Agri Based Livelihood*
  - b) *Skill Development*
3. Management Of Heat Wave (Drinking Water)

## TARGETING

During recovery phase targeting is crucial for optimum utilization of resources. It also helps to reach the most vulnerable household/person who needs special care of the vulnerable. Hence, priority shall be given to the following vulnerable categories of households/person during recovery stage.

1. Households without shelter
2. Destitute/living on alms
3. Manual scavengers
4. Primitive Tribal groups
5. Legally released bonded labourers
6. Only one room with Kucha walls and Kucha roof
7. No adult member between age 16 to 59
8. Female headed households with no adult male member between age 16 to 59
9. Disabled member and no able bodied adult member
10. SC/ST households
11. Pregnant women and Lactating mother
12. Widow/Orphan

13. No literate adult above 25 years
14. Landless households deriving major part of their income from manual casual labour
15. Small and marginal farmers
16. BPL/IAY/FRA beneficiaries.

## 12.1 PART-I: DROUGHT RECOVERY PLAN

### *Total Water Demand of the district for various sector*

Estimation of Domestic water demand is one of the important analyses for Balangir district. The following table portrays the block wise water demand status in the district. This table Gives the present (2017) population and projected population (2020) and gross water demand in all aspect. The Balangir block 2020 population was 20.27 lakh and the projected population of 2020 will be 141826. Therefore, the estimated gross water demand of the district is 0.000141826 BCM by 2020. The Agalpur block 2015 population is 107903 and the projected population of 2020 will be 118500.

Blocks wise water demand are mentioned in the below table 4.1.

Sl	Block Name	Population in 2015	Gross Water Demand (BCM)2015	Projected population in 2020	Projected Gross Water Demand (BCM)2020
1	Balangir	115306	0.004209	141826	0.005176649
2	Agalpur	107903	0.003938	118500	0.00432525
3	Belpara	144385	0.00527	158566	0.005787659
4	Patangarh	37394	0.001365	41067	0.001498946
5	Titlagarh	136361	0.004977	149753	0.005465985
6	Saintala	134630	0.004914	147853	0.005396635
7	Tureikela	92714	0.003384	101820	0.00371643
8	Bangomunda	131139	0.004787	144019	0.005256694
9	MuriBahal	128619	0.004695	141251	0.005155662
10	Deogoan	109362	0.003992	120103	0.00438376
11	Puintala	125031	0.004564	137311	0.005011852
12	Gudvella	69696	0.002544	76541	0.002793747

13	Loisingha	107444	0.003922	117997	0.004306891
14	Khaprakhol	104783	0.003825	115075	0.004200238
	<b>TOTAL</b>	<b>1846402</b>	<b>0.05635965</b>	<b>2027746</b>	<b>0.062476393</b>

**Source: DIP, Balangir**

Following table describes the Total water demand for various sectors in Balangir District, Water Demand and Water Gap of Balangir district. The domestic water demand of the district is **0.0563597** BCM, the crop demand is **0.0563597** BCM. Besides, the district has the water demand for industries and livestock are **0.473015 BMC** and **0.0049355** BCM respectively. Hence, total Water demand for various sectors in the balangir district is **6.6496502** BCM . Following table shows block sector wise water requirement in various blocks of the district.

Sl. No.	Block	Components(BCM)				Total, BCM
		Domestic	Crop	Industrial	Livestock	
1	Agalpur	0.004209	0.396248		0.0049355	0.400457
2	Belpara	0.003938	0.387436	0.0000062		0.3913802
3	Balangir	0.00527	0.30844			0.31371
4	Bangomunda	0.001365	0.400181			0.401546
5	Deogaon	0.004977	0.344256			0.349233
6	Gudvella	0.004914	0.397487			0.4073365
7	Khaprakhol	0.003384	0.647452			0.650836
8	Loisingha	0.004787	0.595759			0.600546
9	Muribahal	0.004695	0.484432			0.489127
10	Patnagarh	0.003992	0.440037			0.444029
11	Puintala	0.004564	0.407325			0.411889
12	Saintala	0.002544	0.455594			0.458138
13	Titilagarh	0.003922	0.44376	0.4730085		0.9206905
14	Tureikela	0.003825	0.406907			0.410732
15	<b>Total</b>	<b>0.0563597</b>	<b>6.115312</b>	<b>0.473015</b>	<b>0.0049355</b>	<b>6.6496502</b>

**Source: DIP, Balangir**

Crop water demand in Balangir district is summarised in the following table. The table explains the crop details, area sown in Kharif & Rabi season, irrigated area of Kharif & Rabi season and crop water demand, water potential required, Existing Water Potential and water

potential to be created. The major crops in Balangir District is Rice, Maize, Jowar, Millets, Pulses, Oil Seeds, Fibre, Vegetables, Cereals, pulses, oil seeds, chilly, garlic, Coriander, and Sugar Cane. The crop water demand is measured as millimetre, meter and the water potential measured as BCM.

Sl	Block	Area sown (ha)	Irrigated area (ha)	Crop water demand (mm)	Water potential required (BCM)	Existing Water potential (BCM)	Water potential to be created (BCM)	Water Potential required 2020(BCM)
1	Bolangir	29596	7400	24280	0.39624	0.11371	0.28253	0.321096
2	Deogoan	29351	6700	24180	0.38743	0.10164	0.28578	0.324797
3	Gudvella	22462	5588	24180	0.30844	0.08915	0.21928	0.249215
4	Puintala	31137	5383	24180	0.40018	0.07840	0.32177	0.365696
5	Loisingha	27369	5294	24180	0.34425	0.07755	0.26670	0.30311
6	Agalpur	30389	11960	24180	0.39748	0.16275	0.23473	0.266774
7	Patnagarh	50766	8554	24180	0.64745	0.11394	0.53350	0.606332
8	Belpada	45238	7761	24180	0.59575	0.10081	0.49494	0.562508
9	Khaprakhol	37066	7112	24180	0.48443	0.09484	0.38959	0.44277
10	Titilagarh	34506	6477	24180	0.44003	0.10022	0.33981	0.386194
11	Saintala	31118	5507	24180	0.40732	0.08717	0.32014	0.363846
12	Muribahal	35184	4642	24180	0.45559	0.07772	0.37786	0.429445
13	Bangomunda	32288	5818	24180	0.44376	0.09758	0.34618	0.393433
14	Tureikela	31040	4115	24180	0.40690	0.05979	0.34710	0.39449
	<b>Total</b>	<b>467510</b>	<b>92311</b>	<b>338620</b>	<b>6.11531</b>	<b>1.35534</b>	<b>4.75997</b>	<b>5.409707</b>

Source: DIP, Balangir

### Water Budget

The water budget for the district and the blocks includes the existing water availability, which is in turn divided as Surface and Ground water. The present and projected water demand is calculated, similarly the water gap also. Total water availability of the district is estimated to be 0.2676 BCM. The surface water availability was 0.134 BCM and ground water availability is 0.0447 BCM during 2016.

Sl	Name of Blocks	Existing water availability (BCM)		Total (BCM)
		Surface Water	Ground Water	
1	Agalpur	0.134	0.0447	0.1787

2	Belpara	0.232	0.0601	0.2921
3	Balangir	0.203	0.0544	0.2574
4	Bangomunda	0.137	0.0428	0.1798
5	Deogaon	0.202	0.0497	0.2517
6	Gudvella	0.101	0.0305	0.1315
7	Khaprakhol	0.26	0.055	0.315
8	Loisingha	0.141	0.0502	0.1912
9	Muribahal	0.204	0.0529	0.2569
10	Patnagarh	0.273	0.0678	0.3408
11	Puintala	0.141	0.0437	0.1847
12	Saintala	0.259	0.0617	0.3207
13	Titilagarh	0.193	0.046	0.239
14	Tureikela	0.219	0.0486	0.2676

**Source: DIP, Balangir**

The water demand and water supply of Balangir district is given as present and projected. The present water demand is 6.6496502 BCM; the projected water demand is 7.012526 BCM. The present water gap is -3.2425502 BCM; the projected water gap in 2020 is -4.08331. Thus, management of water demand will be the biggest challenges to the district in near futures.

Sl	Name of Blocks	Water Demand (BCM)		Water Gap (BCM)	
		Status during 2015	Projected by 2020	Status during 2015	Projected by 2020
1	Agalpur	0.400457	0.455503	-0.221757	-0.2768
2	Belpara	0.3913802	0.444646	-0.0992802	-0.15255
3	Balangir	0.31371	0.35633	-0.05631	-0.09893
4	Bangomunda	0.401546	0.456304	-0.221746	-0.2765
5	Deogaon	0.349233	0.396706	-0.097533	-0.14501
6	Gudvella	0.4073365	0.462068	-0.2758365	-0.33057
7	Khaprakhol	0.650836	0.739543	-0.335836	-0.42454
8	Loisingha	0.600546	0.682327	-0.409346	-0.49113
9	Muribahal	0.489127	0.55571	-0.232227	-0.29881

10	Patnagarh	0.444029	0.504478	-0.103229	-0.16368
11	Puintala	0.411889	0.467931	-0.227189	-0.28323
12	Saintala	0.458138	0.520572	-0.137438	-0.19987
13	Titilagarh	0.9206905	0.981649	-0.6816905	-0.74265
14	Tureikela	0.410732	0.466642	-0.143132	-0.19904
	<b>Total</b>	<b>6.6496502</b>	<b>7.012526</b>	<b>-3.2425502</b>	<b>-4.08331</b>

Source: DIP, Balangir

## 12.2 PART-II: LIVELIHOOD RECOVERY PLAN

Considering the poverty profile of Odisha, convergence of different flagship schemes holds great significance in addressing poverty and unemployment. All the major anti-poverty Schemes envisage convergence of some kind. But two of them, critical in the context of poverty reduction, are NRLM and MGNREGS. NRLM needs MGNREGS because of better inclusion of the poorest, strengthening organizations of poor, enhanced livelihood opportunities and bringing the right perspective into intervention. Economic activities taken up by the SHGs often require certain backward linkage. If basic assets for taking up of NRLM can be created under MGNREGS, it might be of help to the groups and their members. In the other side, MGNREGS needs NRLM for stronger access to entitlements, participation of poor women, more effective decentralized planning and execution. The assets created under MGNREGS can be better utilized when there is value addition done by other schemes of Line Departments.

### Agri based Livelihood

The majority of works highlighted in MGNREGS guidelines are related to land, water and tree and also it is mandated in the guidelines to take up at least 60 % of works under MGNREGS which are linked to agriculture and agriculture allied activities. Hence the livelihood models described in this guideline are largely on agriculture and agriculture allied activities.

### 1.1. Agriculture

Study shows that wherever MGNREGS works are being implemented effectively it is generating multiple environmental benefits, leading to improve water availability, soil fertility and increased crop production. The works are also helping reduce soil erosion and increase area under plantations. Hence it is the top most agenda of the State to devise strategy to improve the agriculture production and productivity. To take up agriculture based livelihoods following processes have to be adhered to;

1. Map the cultivable and the potentially cultivable land in the area through social and resource mapping (through GPDP using IPPE exercise). This exercise will help in identifying the type of lands available in the area like waste land, fallow land etc. These lands may be lands owned by individual households or regularised under Forest Rights Act (FRA).
2. The lands need to be shaped and treated under a scientific plan to ensure that there is no waterlogging and there is optimum utilization of available water. This will be done through MGNREGS. This will not only ensure that the beneficiaries get wages but also enables them to develop their own assets, thus triggering further sources of employment.
3. Required topographical survey may be carried out before planning and executing land development works. Land development work should be planned and carried out on watershed approach i.e. ridge to valley approach. In construction of bunds and earthen check dams, earth should be taken from upstream side and at least 3-4 feet away from foot of the bund. If common land is not used for crop then the best way to develop is by constructing contour bunds to conserve rain water and soil which is economical, productive and durable.
4. Without provisioning water sources, the lands will become again unproductive. Hence through MGNREGS percolation tanks, canals, check dam, diversion wire etc. could be taken up in the area. Minor Irrigation department can take up irrigation works. Lift Irrigation can also be taken up by Odisha Lift Irrigation Corporation.
5. The next step is optimum utilization of water by encouraging the use of sprinklers, drip irrigation, plastics mulching for horticulture water conservation etc. which can be provided by Agriculture Department.

6. The individual households whose lands are developed under MGNREGS or other schemes could take up farming practices in the developed lands. The SHGs promoted by NRLM can take up collective farming through taking the land on lease basis. The working capital for farming could come up from NRLM.
7. Loans are available to farmers through several institutions and programmes, such as cooperative banks, lead bank district credit plan, Kisan credit cards (introduced by GoI to provide affordable credit to farmers), Primary Agriculture Credit Societies (PACS) and Large Area Multipurpose Cooperative Societies (LAMPS) for SC/ST farmers. However, there is a need to rationalize their borrowing, both in terms of the extent of finance required and the cost of that loan.
8. Agriculture department has provisions of providing seeds (maize, paddy, black gram etc) to the farmers on subsidy. Agriculture/Cooperation department gives subsidy on fertilizers to the poor farmers. Besides, MGNREGS has recently focussed more on taking up vermi compost and NADEP compost as bio fertilizers. These can also be planned in the area.
9. Activities and funds of several Departments can be converged to ensure good storage facilities. MGNREGS could provide storage centres and food grain storage can also be constructed by Food Supplies and Consumer Welfare Department/ Cooperation Department.
10. NRLM has to take a lead role in providing market related information to the farming communities. The thrust activity of increase in production and crop selection has to include the component of marketing and an investment in building the capacity of farmers to market effectively.

S I	Scheme	Department	Activities	Cost Norms
1	MGNREGS	PRD	1. Construction of dry fish yard 2. Provision for wage labour for	1. Rs. 35,000 (Unskilled labour: material cost ratio of 25:75) 2. 90/95 person days per

			construction of <i>Matsyajibi</i> <i>Basagruha Yojana</i>	beneficiary
2	Matsyajibi Basagruha Yojana	PRD	Construction of Pucca House	<ul style="list-style-type: none"> <li>Pucca house of Rs 70,000/ Rs 75000</li> </ul>
3	Infrastructure Support and Marketing Schemes	F & ARD	Godown, ice plant, cold storage, processing centre, water and electricity facilities etc.	<ul style="list-style-type: none"> <li>As per norms of the scheme</li> </ul>
4	MGNREGS	PRD	Excavation of Multipurpose Farm Ponds	<ul style="list-style-type: none"> <li>Rs. 2,50,000 (Unskilled labour: material as per Estimate). The households shall be from the categories specified in Para 5 of the Schedule I of the Act.</li> </ul>
5	National Mission for Protein Supplement (NMPS)  National Fisheries Development Board assistance (NFDB)	F & ARD	Renovation of Tank, Subsidy assistance to fish farmers on Pisciculture promotion (Feeding, gardening of embankment etc.)	<ul style="list-style-type: none"> <li>As per provisions of the schemes</li> </ul>
6	Short Term Credit Scheme	F & ARD	Input Loan (SHG)	<ul style="list-style-type: none"> <li>As per provisions of the schemes</li> </ul>

7	Medhabruti Scheme	F & ARD	Scholarship to the children of Matsyajibi who have passed Matriculation	<ul style="list-style-type: none"> <li>As per provisions of the schemes</li> </ul>
8	OLM	PRD	Promotion of Producers Groups, Forward and Backward Linkages, bank linkage	As per the approved proposal of OLM

### 12.3 SKILL DEVELOPMENT PROGRAMME

Without doubt training provides increased employment opportunities. Today, even entry level roles in many industries require base level skill. By completing a training course, employment opportunities become wider. Thus, there is a need for a clear focus on improving the employability of rural youth of the district as agriculture failed to absorb the educated youth which constitutes a major proportion of the district workforce. In view of this, DDMP, 2018-19 identified the following Skill Development Programme which will increase the employability of the district to sustain the livelihood of the rural population.

Sl	Department	Implementing Agency / Directorate	Skill Development Programmes
1	Skill Development & Technical Education (SD&TE)	Odisha State Employment Mission Society (OSEMS)	Placement Linked Skill Training Programme (PLTP)
		Directorate of Technical Education & Training (DTE&T)	MES / Apprenticeship / Craftsmanship
2	Panchayati Raj	Odisha Rural Marketing Society (ORMAS)	Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY)
			Rural Self Employment Training Institute (RSETI)

Sl	Department	Implementing Agency / Directorate	Skill Development Programmes
3	ST & SC Development	Odisha Scheduled Caste and Scheduled Tribe Development Finance Co-Operative Corporation Ltd. (OSFDC) / ITDA	Skill Development Training Programme (SDTP)
			Placement Linked Employability Training Programme (PLETP)
4	Housing & Urban Development (H&UD)	State Urban Development Agency (SUDA) / National Urban Livelihoods Mission (NULM)	Employment through Skill Training and Placement (ESTP) under NLUM
5	Agriculture	Directorate of Institute on Management of Agricultural Extension (IMAGE)	Skill Development Training Programme (SDTP) for the Youth of watershed area
			Skill Development Training Programme (SDTP) under Modular Employable Skill
6	Handlooms, Textiles & Handicrafts (HT&H)	Directorate of Textiles & Handlooms (DT&H)	Skill Development Training Programme (SDTP) in Horticulture Sector
			Integrated Skill Development Scheme (ISDS)
		Directorate of Handicrafts	Skill Upgradation Training (SUT)
			Crafts Village Programme (CVP)
			Master Craftsman Training (MCT)
			Crafts Design, Development

Sl	Department	Implementing Agency / Directorate	Skill Development Programmes
			Training (CDDT)
7	Transport	Government Driving Training School (GDTS)	Light Motor Vehicle Training
8	Fisheries & Animal Resources Development (FARD)	Directorate of Fisheries	Training on Fresh Water, Marine Fishery & Brackish Waters
9	Tourism	Tourism Department	Hunar Se Rozgar Tak (HSRT)
		Indian Institute of Tourism and Travel Management (IITTM)	Skill Development Training Programme (SDTP)
		State Institute of Hotel Management (SIHM)	Skill Development Training Programme (SDTP)
10	Electronics & Information Technology (E & IT)	Information and Technology Department (ITD)	Skill Development in ESDM for Digital India
11	MSME	Development Commissioner MSME	Entrepreneurship Development Programme (EDP)
		Development Commissioner MSME	Entrepreneurship Skill Development Programme (ESDP)

## 12.4 LONG TERM HEAT WAVE MANAGEMENT PLAN

### Plan for Urban Area

Odisha State Urban Water Supply Policy 2013 promised that Minimum availability of 70 Per Capita per Day (LPCD) shall be ensured on priority, subsequently increased to 135 LPCD. The

continuity in supply has to be progressively increased to attain 24/7. In this backdrop, the drinking water demand and supply to various ULBs of Balangir district is given in the following table. The present drinking water supply is 368.82 Litres per Capita per Day (lpcd) as against the demand of 775 lpcd. The present water gap is 406.18 lpcd. Highest gap is recoded in Tusura NAC (116.98 lpcd) as Tusura NAC is newly constituted.

ULBs	Population		Water Demand in lpcd	Water Supply in lpcd	Gap in in lpcd
	2011	2016			
Balangir	98214	108035	155	96.60	58.4
Tusura	9519	10471	155	38.02	116.98
Patnagarh	22085	24294	155	57.62	97.38
Kantabanji	21778	23956	155	83.48	71.52
Titilagarh	31245	34370	155	93.10	61.9
<b>Total</b>	<b>182841</b>	<b>201126</b>	<b>775</b>	<b>368.82</b>	<b>406.18</b>

To meet the above water demand numbers of projects have been taken up and successfully completed under state plan and centrally sponsored programme (AMRUT, JnNURM, UIDSSMT) and Deposit works. But Litres per Capita per Day (lpcd) of the district in urban areas is significantly high. Hence, Public Health Engineering Organisation, H&UD Department, Govt. of Odisha has identified following projects to meet the drinking water demand in ULBs of the district.

Sl	Block/ULB	Project	Project Cost (in lakh)	Source of Funds
1	Balangir MPL	Improvement of W/S to Balangir Town from alternative source at Tarava	5500.36	State Plan
2	Balangir MPL	Laying of pipe water in the uncovered areas of ward No.1 of Baangir MPL	100.98	State Plan
3	Balangir MPL	Replacement of different dia age	165.75	State Plan

		old drinking water pipeline in Balangir MPL		
4	Balangir MPL	Sinking of 1 Nos of Production wells covering in supply of water in different ward of Balangir MPL	8.00	State Plan
5	Balangir MPL	Water supply to new Govt. medical college site at Balangir	641.45	State Plan
6	Balangir MPL	Shifting of water supply Rising Main and Distribution Main from Kachari chowck to Sadar Police Station due to widening of PWD road or BKBC road	226.88	State Plan
7	Tusura NAC	Replacement of different dia age old drinking water pipeline in Tusura NAC	47.47	State Plan
8	Kantabanji NAC	Replacement of different dia age old drinking water pipeline in Kantabanji NAC	59.22	State Plan
9	Patnagarh NAC	Replacement of different dia age old drinking water pipeline in Patnagarh NAC	66.21	State Plan
10	Titilagarh NAC	Replacement of different dia age old drinking water pipeline in Titilagarh NAC	48.98	State Plan
11	Pantagarh NAC	Laying of new pipeline in the uncovered areas of Patnagarh town	56.05	State Plan

**Source: PH, Division, Balangir**

### **Plan for Rural Area**

The availability of safe drinking water is an important aspect in the health and wellbeing of the people of the district. The importance drinking water for individual's survival, reducing illness, enhancing economic growth and improving peoples' quality of life has acquired prominence in the process of the development agenda in recent years. RWS&S district wings primarily aims at providing safe drinking water to the rural people of the district. Hence it is decided that desired goal can be achieved by providing water to rural habitations through tube wells and sanitary wells and Piped Water Supply (PWS).

## **Chapter 13 - Financial Arrangement**

### **13.1 National Disaster Response Fund (NDRF)**

The National Disaster Response Fund (NDRF) has been constituted by the Government of India as per the sub-sections (1) of section (46) of Disaster Management Act, 2005 and recommendation of the 13th Finance Commission. NDRF has been constituted by replacing the National Calamity Contingency Fund (NCCF). It is administered by the National Executive Committee (NEC).

In the event of a calamity of a severe nature when the State Disaster Response Fund (SDRF) is insufficient to meet the relief requirements, additional central assistance is provided from NDRF, after following the laid down procedure. The State Government is required to submit a memorandum indicating the sector-wise damage and requirement of funds. On receipt of memorandum from the State,

- An Inter-Ministerial Central Team is constituted and deputed for an on the spot assessment of damage and requirement of funds for relief operations, as per the extant items ad norms.
- The report of the Central Team is considered by the Inter-Ministerial Group (IMG) / A Sub-committee NEC constituted under section 8 of DM act, 2005, headed by the Home Secretary.
- Thereafter, the High Level Committee (HLC) comprising of the Finance Minister, the Agriculture Minister, the Home Minister and the Deputy Chairman, Niti Ayog considers the request of the State Government based on the report of the Central Team recommendation of

the IMG thereon, extant norms of assistance and approves the quantum of assistance form NDRF.

- This is, however, subject to the adjustment of 75% of the balance available in the State's SDRF for the instant Calamity.

### **13.2 State Disaster Response Fund (SDRF)**

As per the provisions of Disaster Management Act, 2005 sub-section (1)(a) of Section (48) and based on the recommendation of the 13<sup>th</sup> Finance Commission, the Government of Odisha has constituted the State Disaster Response Fund (SDRF) replacing the Calamity Relief Fund (CRF). The amount of corpus of the SDRF determined by the 13th Finance Commission for each year the Finance Commission period 2010-15 has been approved by the Central Government. The Central Government contributes 75% of the said fund. The balance 25% matching share of contribution is given by the State Government. The share of the Central Government in SDRF is released to the State in 2 installments in June and December respectively in each financial year. Likewise, the State Government transfers its contribution of 25% to the SDRF in two installments in June and December of the same year.

As per the Guidelines on Constitution and Administration of the State Disaster Response Fund (SDRF) laid down by the Ministry of Home Affairs, Government of India, the SDRF shall be used only for meeting the expenditure for providing immediate relief to the victims of cyclone, drought, earthquake, fire, flood, tsunami, hailstorm, landslide, avalanche, cloud burst and pest attack. The State Executive Committee (SEC) headed by the Chief Secretary SEC decides on all matters connected with the financing of the relief expenditure of immediate nature from SDRF.

*(Please refer annexure 21 for SDRF and NDRF Items and Norms)*

### **13.3 Chief Minister Relief Fund (CMRF)**

Chief Minister's Relief Fund aims to provide assistance to calamities and in distress condition, to indigent persons suffering from critical ailments and to undertake charitable activities for public welfare.

**Cases Eligible for Assistance under CMRF**

**Poor and persons in distress:** Relief to the poor, including grant and aid (financial or otherwise) to persons in distress.

**Aged, differently able, orphans, AIDS affected :** Assistance for the relief and rehabilitation of the aged, differently able' orphans, HIV/AIDS affected persons/families and those otherwise differently able or incapable of earning their livelihood, by grant and aid (financial and otherwise) and / or maintenance, establishment and support of institutions and homes for the benefit of such persons.

**Persons affected by calamities or violence:** Assistance for relief & rehabilitation of persons affected by natural or man-made calamities, communal violence', naxal violence or public disorder of a serious nature or any other calamity' affecting a family or a community, which deserves extreme compassion and not covered under any existing assistance scheme of State/central Government.

**Assistance for Rural Development:** Financial assistance out of CMRF may also be considered to undertake, promote, aid or otherwise support rural development including any programme for promoting the social and economic welfare of the public in any rural area either directly or through an independent agency following due procedure.

To assist more number of deserving person and for better utilisation of the Chief Minister's Relief Fund, the State Government have delegated powers to the Collectors for sanction of assistance out of CMRF so as to extend such assistance to the deserving persons immediately at the time of their need.

**Release of Funds to Departments and Districts:**

Funds required towards pure relief to affected persons / families for natural calamities in shape of emergency assistance, organizing relief camp / free kitchen / cattle camp, agriculture input subsidy and other assistances to affected farmers, ex-gratia as assistance for death cases, grievous injury, house building assistance, assistance to fisherman / fish seed farmers / sericulture farmers, assistance for repair / restoration of dwelling houses damaged due to natural calamities are administered through the respective collectors.

**Damage Assessments and Report after Flood/Cyclone**

Private properties and properties of Government under different Departments are damaged by high floods and cyclones. As per para-75 of Orissa Relief Code, the Collector shall undertake assessment of damages to private properties as well as properties of Government. This assessment shall be done quickly soon after the abatement of flood in the prescribed formats prescribed in Appendix- X of Orissa Relief Code.

**Submission of preliminary damage report (Para-76 of ORC)**

1. The Collector as well as the district level officers under each Department of Government shall immediately after assessment of flood damage forward a copy of their report to their immediate Head of Department. The district level officers may also supply reports to the Collector.
2. The Heads of Departments after necessary scrutiny shall forward their reports to their respective Departments of Government with copy to Special Relief Commissioner, not later than two weeks from the date of abatement of flood.
3. The Special Relief Commissioner shall compile the State report and shall furnish the consolidated preliminary report to the Revenue Department within a week of the receipt of the reports from the Heads of Department.

4. The preliminary flood damage report should be prepared as accurately as possible, as the relief measures, if any, are to be based on the merit and statistical data of that report.

#### **Submission of final flood damage report (Para-77 of ORC)**

The concerned Heads of Departments as well as the Collector shall take immediate steps to compile the final report on flood/cyclone damage in the formats prescribed in Appendix- X soon after submission of the preliminary report.

Accidental errors, clerical mistakes, shortcomings, if any, noticed should be rectified in the final report. The final report shall be made available to Special Relief Commissioner as soon as possible and not later than one month from the date of abatement of flood.

On receipt of the reports from the different sources, Special Relief Commissioner shall forthwith compile the State report and furnish the same to the Revenue Department.

#### **Central and State Government programmes and Schemes on Natural Calamities**

Mainstreaming Disaster Management in development planning is the most critical component to mitigate disaster risks. That's why it's important to make note of financial resources which are used in the implementation of such programmes and schemes which can lessen the risk from disasters by reducing vulnerability.

**Table\_\_ : Different State and Central Government Schemes and Programms**

Sl No.	Name of the Scheme	Sector	Nodal Department	Objective of the Scheme
--------	--------------------	--------	------------------	-------------------------

1	National Agriculture Insurance Scheme (NAIS)/ Rastriya Krishi Bima Yojna (RKBY)	Crop Insurance	Agriculture Insurance Company of India (AICI)	To protect the farmers against the losses suffered by them due to crop failures on account of natural calamities, such as droughts, floods, hailstorm, storms, animal depredation, etc.
2	Janashree Vima Yojna	Life Insurance	Life Insurance Corporation Of India	The objective of the scheme is to provide life insurance protection to the rural and urban poor persons below poverty line and marginally above the poverty line.
3	Pradhan Mantri Jeevan Jyoti Bima Yojna	Life Insurance		life insurance cover for death due to any reason
4	Pradhan Mantri Surkhya Bima Yojna	Life Insurance		Accidental insurance for death/full disability or partial disability
5	Postal Life Insurance (PLI) and Rural Postal Life Insurance (RPLI)	Life Insurance	Postal	life insurance under a number of schemes for employees in government, public sector banks and government-aided education institutions
6	Pradhan Mantri Fasal Bima Yojana (PMFBY)	Crop Insurance	Agriculture	Insurance coverage and financial support to the farmers in the event of failure of any of the

				notified crop as a result of natural calamities, pests and diseases.
7	Rashtriya Krishi Bima Yojana	Health Insurance	Agriculture	Crop insurance
8	Biju Krushaka Kalyan Yojana (BK KY)	Health Insurance	Health	financial support through health and accident insurance
9	Mahatma Gandhi Bunakar Bima Yojana	Accidental Insurance	Handloom and Textile	Insurance for accidental death and disabilities
10	Accident Insurance Scheme	Accident Insurance	Fishery	Assistant to fishermen towards hospitalization expenses during serious disease
11	Disease Control Programmes			Protective vaccination for various diseases to livestock and treatment of animals
12	Mahatma Gandhi National Employment Guarantee scheme	Mitigation measures	PR Dept., Govt. of India	Utilisation of MGNREGS funds to reduce the vulnerability of Panchayat vis a vis natural hazards such as drought, forest fire, cloud floods, etc
13	Pradhan Mantri Gram Sadak Yojana	Roads	Rural Works	To ensure that in case of disasters these roads get provision for restoration to ensure all weather connectivity

14	Indira Awas Yojana	Housing	Rural Development/ Panchayati Raj	To promote measures like application of Hazard resistant design in construction of IAY houses, appropriate sitting of IAY housing. Besides, fire proof houses to fire victim for special allocation quota.
15	SSA/RMSA/RUSA	Education	Human Resource Development	To induce institutional safety plan and development of Policy paper of institutional safety at various level of education.
16	National Rural Health Mission	Health	Health and Family Welfare	To ensure that the village Health Plan and the District health plan explicitly address the disaster risk reduction concerns in the vulnerable habitations and the vulnerable districts and the disaster management plan as per DM Act 2005 takes links itself to the District and village Health plans.
17	Finance Commission Grant	Infrastructure Development	PR Dept.	10% of the fund will be dedicated to disaster related projects

### **13.4 Roles of District Planning committee on financial outlay on mainstreaming Disaster Risk Reduction (DRR) in development programmes.**

The 73rd and 74th amendments of the Constitution provided an impetus to the process of decentralized planning having mandated devolution of powers to Panchayati Raj Institutions (PRIs) at village, block and district levels. Article 243ZD of the Constitution mandated the setting up of District Planning Committees (DPCs) for consolidating plans prepared by Panchayats and Municipalities in the district into District Plans. In view of this, Government of Odisha has ensured the formation of DPCs through the Orissa District Planning Committee Act, 1998 and subsequent Orissa District Planning Committee Rules, 2000 which have been enacted for effective planning process at the district level. Subsequently, DPMU, Balangir have been set up in the district for preparing the Comprehensive District Plans as per the Department Letter No.12774/dated.03.11.2015 of Planning and Coordination Department, Govt. of Odisha. The vision documents 2020 of Balangir stressed upon interventions to mitigate the critical risks. Further, under Section 38 (2) (e) of the DM Act, the State Government is to ensure that the integration of measures for prevention of disaster or mitigation have been incorporated by the departments of the Government of the State in their development plans and projects.

In this backdrop, the DDMP, 2019 focused on mainstreaming Disaster Risk Reduction (DRR) in development programmes.

#### **Fund provision for disaster preparedness & capacity building**

Though the district does not have separate capacity building funds provisions to face various types of disaster, but training programmes have been conducted for government personnel and community during drought, flood and heat waves by various departments as per the need of the districts and instructions communicated by the Govt. from time to time. Agriculture, Horticulture, ARD, Forest and PR departments organize training in drought like situation. To tackle heat wave condition department like Health, PR, RWSS and PHED, H&UD, Veterinary and forest organizes training programmes to minimize the effects of heat waves

and causality. Funds of the existing programme (funds allocated under CB components or contingency funds) have been used for this purpose.

## Chapter 14 - Preparation and Implementation of DDMP

### 14.1 Methodology

Balangir district followed the following process in preparation of DDMP, 2019.

Steps	What has done	Who were involved	Methodology
I	Review of DDMP and District Gazetteer	<ul style="list-style-type: none"> <li>Collector, ADM, Emergency Officer</li> <li>DPO</li> <li>Selected district level official</li> </ul>	<ul style="list-style-type: none"> <li>Past history of disasters to be discussed and documented</li> <li>Extent of severity and damage to be recorded</li> <li>The nature of the Warning issued to be analysed</li> <li>The nature and extent of the rescue and restoration done, to be revisited</li> </ul>
II	Situation Analysis	District and Block level officials	<ul style="list-style-type: none"> <li>Mapping the geography and topography of the risk prone areas, block-wise, GP-wise and village-wise</li> <li>Demographic details to be recorded</li> <li>Mapping of the habitation in the concerned areas</li> <li>The natural resources to be marked on the maps</li> <li>Listing all the livelihoods and properties</li> <li>The existing risk prone/ safe infrastructure to be marked on the map</li> </ul>
III	Hazard Analysis	District and Block level	<ul style="list-style-type: none"> <li>Identification of all possible</li> </ul>

		officials	<p>hazards in the area based on past experience and available records</p> <ul style="list-style-type: none"> <li>• Identification of the most vulnerable areas with relation to threat to life, livelihoods and property</li> </ul>
IV	Vulnerability Assessment	District and Block level officials	<ul style="list-style-type: none"> <li>• Locations of the vulnerable areas are to be mapped separately</li> <li>• Identification of the vulnerable people such as, the elderly, the disabled, children and pregnant women, families living in thatched houses, fishermen at sea (if any), ailing people, etc.</li> <li>• Identification of property or assets which are likely to be affected, such as, cattle and other livestock, kachcha houses, weak structures, pump sets, tube wells and other installations, crops, horticulture and plantations, boats, nets, etc.</li> <li>• Identification of weak points on embankments (if any)</li> <li>• Marking the drainage system in the concerned area</li> </ul>

V	Opportunity Analysis	District and Block level officials	<ul style="list-style-type: none"> <li>• Identification of the existing resources which may help to reduce risks to life and property</li> <li>• Identification of the safe houses and buildings for shelter and storage</li> <li>• Listing the existing flood/cyclone shelters, if any</li> <li>• Identification of the elevated and up-lands which can act as natural barriers to protect livestock</li> <li>• Listing of the existing health and sanitation facilities</li> <li>• Identification of safe routes for evacuation</li> <li>• Identification of the sources of funds to carry out the preparedness activities</li> </ul>
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#### ***14.2 Roles of ADM, DEO and Nodal Officers support from other line Departments***

1	Collector/ADM	Issue of necessary directives to the line department. Provided critical inputs to the DDMP compilation team
2	DEO/DPO	Desk Review of DDMPs, decisions of DDMA, DLNCC of previous years, District gazetteer, Contingency Plan of the departments Coordinated line department officials to provide information in time Consulted head of the departments for improvisation of DDMP, 2017.
3	Heads of Line Departments	Hazard, Vulnerability and capacity analysis of the district Provided necessary information and data.

		Review the proposed DDMP, 2017 Extended necessary supports and feedback for improvisation of DDMP, 2017.
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### 14.3 Time lines for updating DDMP

Sl No.	Activities to be done	Timeline
1	Consultation with line department officials and important stakeholders at district level	1st week of January
2	Submission of base line data by all line departments	3rd week of January
3	Compilation of information's and preparation DDMP. Sharing of draft with Chairperson, members of DDMA and other stakeholders	1st week of February
4	Necessary modification and finalization	2nd week of February
5	Placing the final copy before DDMA, finalization and submission of a copy to SDMA	Last week of February
6	Approval by SDMA	By March

### 14.4 Details of number of consultation and meetings, discussion with stakeholders

Rounds of discussion were held with the heads of the departments to prepare the DDMP for 2018-19. Inputs received from all quarters were taken care and a draft plan was prepared. The drafted plan was shared with the departments for review and provides their critical input for improvisation of the DDMP, 2019.

### 14.5 Implementation of DDMP, 2019

Efforts have been made to make the DDMP, 2019 useful and practicable which can be used by various departments to tackle the various types of disasters effectively to minimise the potential loss. Implementation of the DDMP, 2019 will govern by the SoP of the concerned departments and instructions issued by the Government from time to time.

## Chapter – 15 Lessons learnt and Documentation

There have been multiple damaging events in the past, as show in the database, but drought and heat waves are two important region specific disasters and most of the population is aware of the existence of past events. The following section described the past experiences of the district in managing drought and heat waves in the district.

### ***15.1 DROUGHT, 2015***

The district has experienced 13 major droughts during the last 50 years. The 2015 drought, one of the severest in the district that affected 56 per cent of its geographical area, 36% of the total cultivable land and the livelihoods of 16 lakhs people and 5 lakhs cattle in the district. The district took proactive steps by forming teams comprising of field level officials of Revenue, Agriculture, Cooperation and Water Resources Departments and conducted sensitization and counselling camps at Gram Panchayat and village level in areas experiencing moisture stress. The district has created large water tanks through MGNREGA in every affected Gram Panchayat, wherever feasible. Large scale development of private lands of the affected farmers were taken up as a component under MGNREGS as an additional relief measure. Strict mechanism was established to monitor the money lending activities in rain deficit areas. Moreover, collective efforts were made to ensure assistance to the farmers as per the announcement made in the Drought Package declared by the Government on 15.10.2015.

### ***15.2 FLOOD, 2006***

Five blocks namely Guduvella, Saintala, Deogaon, Titilagarh, Puintala were severely affected by flood during 2016. About 2.23 lakhs people were affected. To manage the flood situation people of 10 villages had been evacuated to temporary shelter places. Relief was being administered among the 6200 nos. of affected people. 19 free kitchen centres opened in 3 blocks and cooked food supplied to 5087 persons. 8 persons of Sasanpali village are rescued. 13 people comprising of 9 boatmen, 3 villagers and 1 girl have been safely rescued in village Turla of Guduvella block. Traffic in Adagaon- Bolangir road had been disrupted due to overflow of flood water at Kurala cause way. ODRAF unit from Jharsuguda had been deputed for rescue operation and they are back to Jharsuguda.

### ***15.3 HEAT WAVE, 1998***

In the year 1998 the District faced an unprecedented heat wave situation, as a result of which 85 persons lost their lives. Though extensive awareness campaigns have largely reduced the number of casualties during post 1998 period, still a good number of casualties are being reported each year which have put the administration in very difficult situation. Insufficient preparedness in taking adequate ameliorative measures was the major reasons of high rate of causality during 1998.





# DISTRICT DISASTER MANAGEMENT PLAN BALANGIR DISTRICT



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## 1 Socio Economic Profile

### 1.1 Administrative Set Up

Sl	Sub-Division	Block	No. of G.Ps	Villages			No. of Wards	No of RI Circles	Name of the Tehsils
				Inhabited	Habited	Total			
1	2	3	4	5	6	7	8	9	10
1	Balangir	Agalpur	20	102	5	107	250	6	Agalpur
2	Balangir	Balangir	25	122	2	124	296	8	Balangir
3	Titilagarh	Bangomunda	26	133	0	133	304	6	Bangomunda
4	Patnagarh	Belpara	25	119	1	120	301	6	Belpara
5	Balangir	Deogaon	26	127	3	130	313	7	Deogaon
6	Balangir	Gudvella	13	92	2	94	151	3	Tusura
7	Patnagarh	Khaprakhol	21	132	1	133	251	6	Khaprakhol
8	Balangir	Loisinga	20	107	1	108	239	6	Loisinga
9	Titilagarh	Muribahal	22	157	4	161	251	6	Muribahal
10	Patnagarh	Patnagarh	30	164	0	164	360	6	Patnagarh
11	Balangir	Puintala	25	134	2	136	321	8	Puintala
12	Titilagarh	Saintala	22	137	5	142	272	6	Saintala
13	Titilagarh	Titlagarh	24	130	1	131	279	8	Titlagarh
14	Titilagarh	Turekela	19	108	3	111	215	4	Kantabanji
<b>Total</b>			<b>318</b>	<b>1764</b>	<b>30</b>	<b>1794</b>	<b>3803</b>	<b>86</b>	

Source: Col. 1 to 8: DSH, Balangir, 2011 || Col.8 to 10: District Record Room, Balangir

## 1.2 Rainfall Trend

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2006	2	0	37.65	10.99	88.86	143.56	569.6	727.52	116.41	6.74	11.94	0	1715.27
2007	0	18.13	1.36	6.93	11.16	323.7	278.09	380.67	335.36	30.81	0	0	1386.21
2008	13.4	11.89	11.21	22.36	2.5	267.68	335.37	505.11	472.46	6.68	0	0	1648.66
<b>2009</b>	0	0	0.19	0	13.48	85.44	840.01	326.26	134.16	52.15	30.06	0	1481.75
<b>2010</b>	9.11	0	0.5	1.36	44.74	69.28	370.69	252.66	269.48	52.29	17.76	26.89	1114.76
<b>2011</b>	1.14	8.44	3.9	38.52	19.14	105.5	198.86	347.54	415.91	5.86	0	0	1144.81
2012	22.24	2.14	1	10.29	5.26	247.93	274.09	379.54	258.14	58.75	8.51	0	1267.89
2013	1.5	4.49	1.21	43.78	29.19	218.32	490.19	258.29	171.6	204.26	0	0	1422.83
2014	3.14	15	8.84	10.29	157.01	70.48	573.78	339.31	204.57	29.19	0	0	1411.61
<b>2015</b>	11.77	0.92	2.93	58.31	24.96	219.64	249.36	237.62	204.66	4.53	0	9.63	1024.33
2016	0.86	7.89	8.39	8.6	17.42	81.34	244.71	272.05	330.31	78.31	0	0	1049.88
<b>2017</b>	<b>0</b>	<b>0</b>	<b>3.54</b>	<b>1.27</b>	<b>23.81</b>	<b>182.81</b>	<b>238.09</b>	<b>206.82</b>	<b>137.16</b>	<b>59.62</b>	<b>0.86</b>	<b>0</b>	<b>853.98</b>
<b>2018</b>	<b>0</b>	<b>1.1</b>	<b>0.14</b>	<b>13.35</b>	<b>36.55</b>	<b>97.33</b>	<b>336.25</b>	<b>377.08</b>	<b>177.61</b>	<b>31.36</b>	<b>0</b>	<b>57.3</b>	<b>1128.07</b>

Source: Odisha Rainfall Monitoring System

## 1.3 Demographic Details

Sl. No	Name of the Block/ULB	Total Number of Families/HH	Category		Social Category			Card Position	
			Rural	Urban	SC	ST	Others	BPL	APL
1	2	3	4	5	6	7	8	9	10
1	Agalpur	25,513	25,513	0	4,509	3,158	7,846	8,622	8,785
2	Balangir	25,476	25,476	0	4,977	5,270	5,229	8,057	10,757
3	Bangomunda	28,277	26,890	1,387	5,448	4,636	8,193	14,987	6,018
4	Belpara	31,759	31,759	0	4,846	10,822	6,091	12,538	11,420
5	Deogaon	24,769	24,769	0	4,724	4,936	5,109	9,337	8,929
6	Gudvella	16,135	14,935	1,200	3,106	4,589	8,440	6,224	4,779
7	Khaprakhhol	24,567	24,567	0	3,072	8,395	13,100	12,861	7,668
8	Loisinga	24,246	22,691	1,555	4,236	4,315	15,695	7,183	9,888

9	Muribahal	29,389	29,389	0	5,246	7,130	17,013	12,928	8,698
10	Patnagarh	33,388	33,388	0	5,162	10,289	17,937	15,429	9,043
11	Puintala	26,570	26,570	0	6,701	1,834	18,035	12,054	10,077
12	Saintala	32,251	30,899	1,352	5,441	6,289	20,521	14,716	10,347
13	Titlagarh	31,601	31,601	0	5,922	6,375	19,304	14,207	7,367
14	Turekela	21,548	21,548	0	3,400	7,498	10,650	10,727	8,272
1	<b>Balangir M</b>	<b>21,980</b>	<b>0</b>	<b>21980</b>	<b>3,075</b>	<b>1,131</b>	<b>17,774</b>	<b>-</b>	<b>11,960</b>
2	<b>Patnagarh NAC</b>	<b>5,035</b>	<b>0</b>	<b>5035</b>	<b>666</b>	<b>563</b>	<b>3,806</b>	<b>1,542</b>	<b>3,152</b>
3	<b>Kantabanji NAC</b>	<b>4,887</b>	<b>0</b>	<b>4887</b>	<b>852</b>	<b>171</b>	<b>3,864</b>	<b>1,558</b>	<b>2,913</b>
4	<b>Titilagarh M</b>	<b>8,080</b>	<b>0</b>	<b>8080</b>	<b>1,331</b>	<b>365</b>	<b>6,384</b>	<b>1,500</b>	<b>5,499</b>
5	<b>Tusura NAC</b>	<b>1,200</b>	<b>0</b>	<b>1200</b>	<b>295</b>	<b>119</b>	<b>786</b>	(Added with Gubdevla block )	
<b>Total (Not additive)</b>		<b>4,14,749</b>	<b>3,69,273</b>	<b>45,476</b>	<b>72,528</b>	<b>87,697</b>	<b>254,524</b>	<b>1,64,470</b>	<b>1,22,048</b>

Source: Col.1 to 8: DCH, 2011 || Col. 9 & 10: [www.foododisha.in](http://www.foododisha.in)

#### 1.4 Population and its composition

Sl. No	Name of the Block/ ULB	Total			SC		ST		Others	
		M	F	T	M	F	M	F	M	F
1	Agalpur	48602	47740	96342	8839	8708	6232	6036	33531	32996
2	Loisinga	48208	47725	95933	8493	8491	8676	8919	31039	30315
3	Patnagarh	65760	65023	130783	10147	10107	20545	20568	35068	34348
4	Khaprakhol	46234	47323	93557	5642	5815	15942	16709	24650	24799
5	Belpara	64439	64477	128916	10387	10323	21935	22348	32117	31806
6	Turekela	40988	41793	82781	6536	6553	14220	14704	20232	20536
7	Bangomunda	59098	57991	117089	11685	11431	9453	9273	37960	37287
8	Muribahal	57365	57474	114839	10630	10384	13534	13725	33201	33365
9	Titlagarh	60950	60801	121751	11766	11572	12146	12037	37038	37192
10	Saintala	60728	59478	120206	10439	10730	11891	12022	38398	36726
11	Deogaon	49005	48640	97645	9340	9229	9712	10226	29953	29185
12	Balangir	52076	50876	102952	10264	10030	10913	10836	30899	30010
13	Puintala	56753	54882	111635	14700	14044	3833	3746	38220	37092
14	Gudvella	31369	30860	62229	6200	6100	8838	8967	16331	15793
1	Balangir M	50582	47656	98238	7343	7003	2438	2426	40801	38227

2	Patnagarh NAC	10694	10330	21024	1407	1450	1196	1158	8091	7722
3	Kantabanji NAC	11258	10561	21819	2004	1965	365	342	8889	8254
4	Titilagarh M	17405	16662	34067	2886	2830	728	750	13791	13082
5	Tusura NAC	2475	2348	4823	620	618	221	235	1634	1495
<b>Total</b>		<b>8,30,097</b>	<b>8,18,900</b>	<b>16,48,997</b>	<b>1,48,356</b>	<b>1,46,421</b>	<b>1,72,489</b>	<b>1,74,675</b>	<b>509,252</b>	<b>497,804</b>

Source: PCA, Census, 2011

### 1.5 Population density of the district and decadal growth of population-

Sl	District	Total Population			Percentage Decadal growth rate		Change in Percentage decadal growth	Average annual exponential growth rate		Percentage contribution to the total growth of the state	
		2001	2011	2017 (Proj)	1991-2001	2001-2011		1991-2001	2001-2011	1991-2001	2001-2011
1	2	3	4	5	6	7	8	9	10	11	12
1	Bolangir	1,337,194	1,648,997	1,87,086	8.63	23.32	14.67	0.83	2.12	2.07	6.05

Population density was 203, 251 per Sq. kms during 2001 and 2011 respectively.

### 1.6 Religion wise distribution of Population

Sub-District	Buddhist	Christian	Hindu	Jain	Muslim	Other religions	Religion not stated	Sikh	Total Population
Balangir	96	6678	316553	68	2525	23	984	154	327081
Bangomunda	4	44	74096	236	103	1	89	6	74579
Belpara	1	71	115615	159	149	0	133	8	116136
Kantabanji	16	435	70142	386	912	3	43	178	72115
Khaprakhol	7	210	89047	14	358	8	154	21	89819
Loisinga	31	1982	150385	7	227	2	208	23	152865
Patnagarh	6	499	166677	182	587	1	338	35	168325
Saintala	230	2888	144945	100	445	9	316	58	148991

Sindhekela	15	651	97381	515	90	1	121	3	98777
Titlagarh	46	1162	159161	425	1603	1	421	40	162859
Turekela	5	33	51967	2	311	2	77	25	52422
Tushura	10	1618	182206	131	501	90	458	14	185028
<b>Total</b>	<b>467</b>	<b>16271</b>	<b>1618175</b>	<b>2225</b>	<b>7811</b>	<b>141</b>	<b>3342</b>	<b>565</b>	<b>1648997</b>
<b>Percent</b>	<b>0.03</b>	<b>0.99</b>	<b>98.13</b>	<b>0.13</b>	<b>0.47</b>	<b>0.01</b>	<b>0.20</b>	<b>0.03</b>	<b>100.00</b>

Source: Census, 2011

### 1.7 Particularly Vulnerable Tribal Groups (PVTGs)/ PTGs:No PVTG in the district

#### 1.8 Age Group:

Total Population	0 to 5	6 to 14	15 to 59	60 and above	Age not stated
1648997	187598	289817	991536	175962	4084
	11.38	17.58	60.13	10.67	0.25

Source: Census, 2011

#### 1.9 Sex Ratio:

Sex Ratio	2011	2001	Changes in status of Sex Ratio over last decade
Sex Ratio (Female per 1000 male)	987	984	3
Child Sex Ratio (0-6 Age)	955	967	(-12)
Gap in Child sex ratio	32	17	

Source: Census, 2011

#### 1.10 Literacy

Literacy	2011	2001	Decadal Literacy Gap (%)
Average Literacy (%)	64.72	55.7	9.02

Male Literacy (%)	75.85	71.67	4.18
Female Literacy (%)	53.5	39.51	13.99
Literacy Gap (%)	22.35	32.16	-

**Source: Census, 2011**

### **1.11 Workforce Participation:**

Total Worker <sup>1</sup>	Persons	720,601 (43.70)
	Males	469,956 (56.61)
	Females	250,645 (30.61)
Main Workers	Persons	402,227 (24.39)
	Males	332,355 (40.04)
	Females	69,872 (8.53)
Marginal Workers	Persons	318,374 (19.31)
	Males	137,601 (16.58)
	Females	180,773 (22.08)
Non-Workers	Persons	928,396 (56.30)
	Males	360,141 (43.39)
	Females	568,255 (69.39)
Workers to Non-Workers Ratio		1: 1.28

Sl	Block	Marginal (0-1HA)				Small (1-2HA)				Medium (2-10HA)			
		Total	SC	ST	O	Total	SC	ST	O	Total	SC	ST	O
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Bolangir	9271	1969	2234	5068	3134	421	741	1972	1823	138	355	1330
2	Deogaon	10924	2290	1855	6779	3586	411	823	2352	2172	188	421	1563

<sup>1</sup> From the workers category, cultivators, agricultural labour, workers in households industries and other workers constitutes 23.11%, 45.30%, 3.98% and 27.71% respectively.

3	Gudvella	9313	1511	3474	4328	2595	460	1206	929	1071	213	533	325
4	Puintala	14605	3823	1046	9736	5140	797	333	4010	2050	212	126	1712
5	Loisingha	11064	1369	1684	8011	2774	194	361	2219	1109	69	156	884
6	Agalpur	10225	1181	2223	6821	2079	112	479	1488	1127	51	219	857
7	Patnagarh	14383	1920	4545	7918	3453	377	888	2188	2336	149	524	1663
8	Belpada	9289	1473	3566	4250	5068	656	2310	2102	1673	115	582	976
9	Khaprakhol	9301	1597	3644	4060	2640	250	1086	1304	1430	74	606	750
10	Titilagarh	16663	3559	3914	9190	5906	942	1400	3564	1210	84	439	687
11	Saintala	21718	4094	2577	15047	3341	328	621	2392	754	69	230	455
12	Muribahal	19798	4014	4436	11348	3530	739	915	1876	1181	151	352	678
13	Bangomunda	11551	1824	2002	7725	3594	557	824	2213	1420	227	231	962
14	Tureikela	9765	1419	2383	5963	4150	490	1343	2317	955	50	378	527
	<b>Total</b>	<b>177870</b>	<b>32043</b>	<b>39583</b>	<b>106244</b>	<b>50990</b>	<b>6734</b>	<b>13330</b>	<b>30926</b>	<b>20311</b>	<b>1790</b>	<b>5152</b>	<b>13369</b>

Source: Census, 2011

## 2 Agriculture

### 2.1 Land Holding Pattern

Cont...

Sl	Block	Large (above 10HA)				ALL CLASSES				Land less HHs	Share Croppers	Average Size of Land Holding
		Total	SC	ST	O	Total	SC	ST	Other			
		15	16	17	18	19	20	21	22			
1	Bolangir	103	0	14	89	14331	2528	3344	8459			
2	Deogaon	49	0	20	29	16731	2889	3119	10723			
3	Gudvella	0	0		0	12979	2184	5213	5582			
4	Puintala	23	0		23	21818	4832	1505	15481			

5	Loisingha	24	0	10	14	14971	1632	2211	11128			
6	Agalpur	14	0		14	13445	1344	2921	9180			
7	Patnagarh	104	0	31	73	20276	2446	5988	11842			
8	Belpada	37	0	9	28	16067	2244	6467	7356			
9	Khaprakhhol	16	0		16	13387	1921	5336	6130			
10	Titilagarh	10	0	5	5	23789	4585	5758	13446			
11	Saintala	10	0		10	25823	4491	3428	17904			
12	Muribahal	0	0		0	24509	4904	5703	13902			
13	Bangomunda	0	0		0	16565	2608	3057	10900			
14	Tureikela	0	0		0	14870	1959	4104	8807			
<b>Total</b>	<b>Total</b>	<b>390</b>	<b>0</b>	<b>89</b>	<b>301</b>	<b>249561</b>	<b>40567</b>	<b>58154</b>	<b>150840</b>	<b>1, 19,712</b>	<b>0</b>	<b>1.11</b>

Source: DDA

## 2.2 Housing

Sub-District	Total household	SECC, 2011				Derieved = SECC with IAY combination	
		Kachha	Pacca	Houseless	Semi- Pacca	Kachha after implementation of Rural Housing	Pacca under IAY(2012-2016)
Balangir	59164	49155	6325	53	3808	<b>331190</b>	<b>37375 (SECC)+ 23370 (IAY)</b>
Bangomunda	20747	18777	1729	9	256		
Belpara	28365	25204	2923	13	282		
Kantabanji	13857	12304	980	0	580		
Khaprakhhol	26313	24231	1540	6	585		
Loisinga	41613	31791	4540	36	4675		
Patnagarh	43279	37133	5238	5	961		
Saintala	43185	38500	3973	10	785		
Sindhekela	27271	24708	2082	4	500		

Titlagarh	37995	33708	3336	10	980		
Turekela	15652	14830	692	4	136		
Tushura	48540	43568	4017	18	981		
Total	405981	353909	37375	168	14529	330539	60745
%	100.000			0.041	3.579	81.417	14.963

**Source: SECC, 2011**

NB: Housing status of 405981 Houses are shown. Total HHs of the district is 414749 as per Census, 2011.

Housing status is derived based on the predominant material of Roof as shown is SECC, 2011.

Kachha Grass/Thatch/Bamboo/Polythen/Mud/Wood

Semi Pacca GI/Metal/Asbestos/Tiles

Pacca Concrete/Burnt Brick

Houseless Total HH - (K+SP+P)

### **Rural Housing Status 2018-19 (Pradhan mantry Awas Yojna-G)**

#	Block	Target fixed by District	Beneficiaries Registered	GEO Tagged Out Of Registered	Sanctions Out Of GEO Tagged	Sanctions with Verified Accounts	1st Instalment Paid	2nd Instalment Paid	3rd Instalment Paid	4th Instalment Paid	Completed and Inspected
	A	B	C	D	E	F	G	H	I	J	K
1	AGALPUR	1291	1264	1255	1291	1291	1291	1230	1122	892	1019
2	BALANGIR	1052	1100	1071	1052	1051	1052	1017	963	887	900
3	BANGOMUNDA	1765	1807	1773	1765	1763	1765	1720	1645	1493	1556
4	BELPARA	1683	1825	1710	1683	1683	1683	1624	1496	1032	1396
5	DEOGAON	1084	1099	1096	1084	1084	1084	1063	993	826	983
6	GUDVELLA	717	743	725	717	717	717	708	689	620	666
7	KHAPRAKHOL	1598	1609	1575	1598	1598	1598	1531	1328	935	1227

8	LOISINGA	811	850	826	811	810	811	799	786	731	772
9	MURIBAHAL	2024	2044	2019	2024	2024	2024	1870	1585	1226	1500
10	PATNAGARH	1659	1787	1703	1659	1659	1659	1610	1485	954	1431
11	PUINTALA	1484	1512	1501	1484	1484	1484	1389	1271	963	1249
12	SAINTALA	1296	1290	1290	1296	1295	1296	1263	1213	828	1173
13	TITLAGARH	1830	1842	1832	1830	1830	1830	1729	1566	1060	1463
14	TUREKELA	990	1005	988	990	990	990	970	937	811	886
	<b>Total</b>	<b>19284</b>	<b>19777</b>	<b>19364</b>	<b>19284</b>	<b>19279</b>	<b>19284</b>	<b>18523</b>	<b>17079</b>	<b>13258</b>	<b>16221</b>

### Rural Housing Status 2018-19 (BPGY)

#SNo	Block Name	Target fixed by Districts	Registered	GEO Tagged Out Of Registered	Sanctions Out of GEO Tagged	Sanctions with verified Accounts	1st	2nd	3rd	4th	Completed
	<b>Total</b>	<b>1000</b>	<b>1062</b>	<b>849</b>	<b>852</b>	<b>703</b>	<b>319</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>
1	AGALPUR	62	62	62	62	62	62	62	54	39	45
2	BALANGIR	98	99	98	98	98	98	86	63	47	53
3	BANGOMUNDA	78	78	78	78	78	78	72	63	41	59
4	BELPARA	64	73	64	64	64	64	53	34	0	31

5	DEOGAON	102	102	102	102	102	102	88	63	23	52
6	GUDVELLA	44	50	44	44	44	44	43	39	24	32
7	KHAPRAKHOL	56	67	56	56	56	56	39	23	7	23
8	LOISINGA	62	62	62	62	62	62	61	52	36	47
9	MURIBAHAL	66	80	66	66	66	66	42	15	4	15
10	PATNAGARH	80	84	80	80	80	80	73	57	13	45
11	PUINTALA	76	95	76	76	76	76	68	46	13	49
12	SAINTALA	75	81	75	75	75	75	71	56	19	48
13	TITLAGARH	81	118	81	81	81	81	63	39	7	19
14	TUREKELA	56	56	56	56	56	56	49	43	18	36
	<b>Total</b>	<b>1000</b>	<b>1107</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>870</b>	<b>647</b>	<b>291</b>	<b>554</b>

### 2018-19 NSPGY

#SNo	Block Name	Target fixed by Districts	Registered	GEO Tagged Out Of Registered	Sanctions Out of GEO Tagged	Sanctions with verified Accounts *	1st	2nd	3rd	4th	Completed
1	AGALPUR	0	0	0	0	0	0	0	0	0	0
2	BALANGIR	0	0	0	0	0	0	0	0	0	0

<b>3</b>	<b>BANGOMUNDA</b>	0	2	0	0	0	0	0	0	0	0
<b>4</b>	<b>BELPARA</b>	6	6	6	6	6	6	6	6	0	6
<b>5</b>	<b>DEOGAON</b>	0	0	0	0	0	0	0	0	0	0
<b>6</b>	<b>GUDVELLA</b>	39	40	39	39	39	39	35	34	30	32
<b>7</b>	<b>KHAPRAKHOL</b>	0	0	0	0	0	0	0	0	0	0
<b>8</b>	<b>LOISINGA</b>	0	0	0	0	0	0	0	0	0	0
<b>9</b>	<b>MURIBAHAL</b>	0	0	0	0	0	0	0	0	0	0
<b>10</b>	<b>PATNAGARH</b>	40	40	40	40	40	40	38	29	11	27
<b>11</b>	<b>PUINTALA</b>	0	0	0	0	0	0	0	0	0	0
<b>12</b>	<b>SAINTALA</b>	0	22	0	0	0	0	0	0	0	0
<b>13</b>	<b>TITLAGARH</b>	37	41	37	37	37	37	29	16	1	6
<b>14</b>	<b>TUREKELA</b>	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>122</b>	<b>151</b>	<b>122</b>	<b>122</b>	<b>122</b>	<b>122</b>	<b>108</b>	<b>85</b>	<b>42</b>	<b>71</b>

## 2.3 Agriculture

### Farmers details (Agricultural census 2010-11)

Sl. No.	Block	Land less	No of Share	Marginal Farmers	Small Farmers	Semi/ Medium Farmers	Large Farmers	Average Size of Land Holding.
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		HHs	Croppers		(1.0 to < 2 Ha.)	(2.0 to < 10 Ha.)	(10.0 Ha. and above)	
1	Bolangir	NA	NA	9271	3134	1823	103	
2	Deogaon	NA	NA	10924	3586	2172	49	
3	Gudvella	NA	NA	9313	2595	1071	0	
4	Puintala	NA	NA	14605	5140	2050	23	
5	Loisingha	NA	NA	11064	2774	1109	24	
6	Agalpur	NA	NA	10225	2079	1127	14	
7	Patnagarh	NA	NA	14383	3453	2336	104	
8	Belpada	NA	NA	9289	5068	1673	37	
9	Khaprakhol	NA	NA	9301	2640	1430	16	
10	Titilagarh	NA	NA	16663	5906	1210	10	
11	Saintala	NA	NA	21718	3341	754	10	
12	Muribahal	NA	NA	19798	3530	1181	0	
13	Bangomunda	NA	NA	11551	3594	1420	0	
14	Tureikela	NA	NA	9765	4150	955	0	
	<b>Total</b>			<b>177870</b>	<b>50990</b>	<b>20311</b>	<b>390</b>	

Year 2017-18 Agriculture Area						
Sl. No.	Name of the Block	Total Area (in Hectares.)	Cultivable Area	Net Sown Area	Irrigated Area	Areas affected by Drought
1	Bolangir	54263	20177	20135	4416	15719
2	Deogaon	60361	20560	20175	3675	16500
3	Gudvella	30740	13672	13115	3251	9864
4	Puintala	38076	22562	21995	3055	18940
5	Loisingha	35991	21438	21215	4245	16970
6	Agalpur	32683	22702	21675	9997	11678
7	Patnagarh	72998	42240	41120	5508	35612

8	Belpada	54174	36167	35810	5219	30591
9	Khaprakhol	60342	32472	29000	4601	24399
10	Titilagarh	40017	25825	25825	6291	19534
11	Saintala	63440	23850	21650	4142	17508
12	Muribahal	43572	28354	27140	3730	23410
13	Bangomunda	34777	23320	23310	3360	19950
14	Tureikela	36066	25565	23310	2953	20357
	<b>Total</b>	<b>657500</b>	<b>358904</b>	<b>345475</b>	<b>64443</b>	<b>281032</b>

Source: DDA

## 2.4 Irrigation

### Irrigation Potential

Ref Year 2017-18

Sl. No.	Block	Large Irrigation Projects		Medium Irrigation Projects		Minor Irrigation Project		Lift Irrigation Point(River)		LI points (Deep bore wells)	
		Units	Ayacut Area inHa.	Units	Ayacut Area inHa.	Units	Ayacut Area in Ha.	No.	Ayacut Area Ha.	No.	Aayacut area
1	Bolangir		0			17	1713	46	992	635	1711
2	Deogaon		0			22	937	70	1484	504	1254
3	Gudvella		0			3	151	111	2380	252	720
4	Puintala		0			22	1609	40	884	216	562
5	Loisingha		0		58	18	1332	56	1264	629	1591
6	Agalpur	1	677	1	4714	11	463	146	3372	371	771
7	Patanagarh		0			25	2268	85	1840	614	1400
8	Belpara		0		649	15	2355	39	852	641	1363
9	Khaprakhol		0	1	396	19	1730	68	1462	491	1013
10	Titilagarh		0		2023	8	1582	97	2052	540	634
11	Saintala		0			12	612	70	1624	1110	1906

12	Muribahal		0		403	7	921	25	552	1024	1854
13	Bangomunda		0			7	786	55	1168	1006	1406
14	Tureikela		0			10	1197	18	384	822	1372
	<b>Bgr.Dist.</b>	<b>1</b>	<b>677</b>	<b>2</b>	<b>8243</b>	<b>196</b>	<b>17656</b>	<b>926</b>	<b>20310</b>	<b>8855</b>	<b>17557</b>

Source: DDA

## 2.5 Productivity of Major Crops in the District

Production		Ref Year 2017-18									
Sl.	Crop	Net Sown Area in ha	Production (in Qtls.)	Consumption of Seeds (in Qtls.) (Quality seeds supplied only)	Consumption of Fertilizers (in MT)	Consumption of Pesticides		Requirement of Loans (Rs. in Lakh)			
1	Paddy (K)	173798	1410520	39432	N- 15812 P-4969 K-4054	Granules in qtls	2751	NA			
2	Paddy (R)	2778	67070	554.5		Dust in qtls	1905				
3	Wheat	23	410	0		Liquid in lts	20693				
4	Maize	6775	314520	9.6		Weedicides in lts	3917				
5	Bajra	0	0	0		Bio-pesticides qtl or lts	11297				
6	Ragi	333	2250	0							
8	Milets	912	5290	0							
9	Pulses	153311	777940	3908.12							
10	Oil Seeds	15105	243440	1537.4							
11	Vegetables	43824	4038440	0							
12	Other Cash crops	40658	487790	0							

Source: DDA

### Farmers Club

### RSVY/BKKY

Block	Farmer's Clubs					
	Total No. Farmer's Club	Total Members	No of HHs covered under RSVY	No of HHs covered under BKKY		
				Stream- I	Stream-II	Total
Bolangir	NA	NA	NA	9084	7957	17041
Deogaon				7727	8740	16467
Gudvella				4869	6614	11483
Puintala				7755	9643	17398
Loisingha				5805	8619	14424
Agalpur				6523	9871	16394
Patnagarh				11156	16246	27402
Belpada				6978	10861	17839
Khaprakhol				8500	13176	21676
Titilagarh				7517	15664	23181
Saintala				11309	14783	26092
Muribahal				5364	12842	18206
Bangomunda				7458	12821	20279
Tureikela				3983	12890	16873
Total				104028	160727	264755

Source: DDA/DRCS

### 2.7 Storage and Market Facility

Sl. No.	Block	Storage Godown Maintained by OSCSC		Storage Godown Maintained by Cooperation Dept.		Storage Godown Maintained by RMC		Onion Godown maintained by Horticulture Dept.		No of Permanent Mandis
		Nos.	Storage Capacity	Nos.	Storage Capacity	Nos.	Storage Capacity	Nos.	Storage Capacity	

		Capacity in Qntl.								
1	2	3	4	5	6	7	8	9	10	11
	Agalpur	1	200000	7	21000	0	0	4	1000	0
	Loisingha			1	3000	0	0	5	1250	1
	Puintala			8	24000	0	0	3	750	0
	Bolangir			0	0	4	20000	2	500	3
	Deogaon			3	9000	1	10000	5	1250	0
	Gudvela			2	6000	2	10000	4	1000	1
	Bangomunda	1	10000	3	9000	2	10000	16	4000	1
	Turekela			3	9000	2	20000	6	1500	1
	Belpada	1	20000	7	21000	2	15000	3	750	0
	Khaprakhol			1	3000	0	0	5	1250	0
	Patnagarh			5	15000	3	30000	7	1750	0
	Murhibahal	1	184000	1	3000	1	5000	10	2500	0
	Saintala			2	6000	0	0	6	1500	0
	Titilagarh			2	6000	0	0	7	1750	0
<b>Total</b>		<b>4</b>	<b>414000</b>	<b>45</b>	<b>135000</b>	<b>17</b>	<b>120000</b>	<b>83</b>	<b>20750</b>	<b>6</b>

Source: Col.1 to 4: OSCSC, Col. 5&6: DRSC, Col. 7, 8& 11: RMC, Col. 9&10: DDH

### Primary Agricultural Cooperative Societies

Sl. No.	Block	No of PACS	No of farmers	Total quantity of Seed distributed during last year(in Qtls)	Total quantity of Fertilizer distributed during last year(in Qtls)	Total amount of loan distributed (amount in Lakhs.)	Total quantity of Paddy procured during previous season(K+R)in Qtls.
1	Gudvella	8	10994	747.80	12800.00	1054.97	168129.49

2	Deogaon	12	14816	900.00	3160.00	2436.39	261166.96
3	Balangir	14	13587	1295.20	24900.00	1692.83	269762.73
4	Puintala	14	17095	1340.00	26400.00	2817.48	376790.95
5	Loisingha	10	13110	531.00	14950.00	1835.01	140401.33
6	Agalpur	13	15288	1010.60	34500.00	2264.22	284217.62
7	Titilagarh	12	13172	450.00	1390.15	1176.31	173175.29
8	Muribahal	11	12584	295.00	675.60	1716.40	40885.67
9	Bangomunda	11	8760	153.00	1391.45	2048.02	102463.01
10	Turekela	9	8971	306.60	1113.40	2204.38	135111.90
11	Saintala	12	12651	1434.25	1662.45	1663.01	214457.62
12	Belpada	12	16503	349.15	2612.50	1738.58	110609.24
13	Patnagarh	13	19179	282.40	6807.85	2516.12	232667.30
14	Khaprakhhol	7	12837	336.70	3040.00	1786.44	134460.70
	<b>Total</b>	<b>158</b>	<b>189547</b>	<b>9431.70</b>	<b>135403.40</b>	<b>26950.16</b>	<b>2644299.81</b>

Source: DRCS

## 2.8 Livestock

Sl	Name of the Block:-	Small Animals						Large Animals				Fodder Requirement only for large animal (in Qntl.)
		Poultry	Ducks	Pigs	Goats	Sheep s	Total	Indigenous Cow	Hybrid Cows	Buffalo	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Balangir	85543	588	80	23785	6995	116991	18128	7685	2831	28644	20050.8
2	Puintala	577514	1307	67	18851	8385	606124	15588	14487	1945	32020	22414
3	Loisingha	25624	542	7	17078	7707	50958	12532	7556	1422	21510	15057
4	Agalpur	24289	2205	104	15380	6304	48282	16736	7757	1438	25931	18151.7
5	Deogaon	56945	1001	21	20005	7403	85375	15726	7007	2714	25447	17812.9
6	Gudvela	15185	357	14	8821	4739	29116	10876	1793	1526	14195	9936.5
7	Patnagarh	92010	1999	323	29340	8438	132110	30013	6031	4115	40159	28111.3

8	Belpada	65800	1505	104	18007	7378	92794	30565	1754	4587	36906	25834.2
9	khaprakhol	56749	2342	64	18751	4268	82174	25442	1324	264	27030	18921
10	Titilagarh	53152	426	299	17763	9007	80647	20700	2696	6890	30286	21200.2
11	Saintala	40348	292	101	21598	6919	69258	25471	4752	2810	33033	23123.1
12	Muribahal	48708	1717	43	18196	8915	77579	24251	1382	6356	31989	22392.3
13	Bangomunda	60839	1389	199	19244	9183	90854	22263	1211	4308	27782	19447.4
14	Turekela	58574	2837	214	15482	5847	82954	26063	2865	4358	33286	23300.2
<b>Total</b>		<b>1261280</b>	<b>18507</b>	<b>1640</b>	<b>262301</b>	<b>101488</b>	1645216	<b>294354</b>	<b>68300</b>	<b>45564</b>	<b>408218</b>	<b>285752.6</b>

**Source: CDVO**

## **2.9 Fisherman Community and Fish Farms**

Sl. No.	Name of the Block	Households	Population	No. of Boats/ Dugout Canoe etc.	No. of Fish Farms	Area in Ha.	No. of Farmers involved
1	2	3	4	5	6	7	8
1	Bolangir	608	2976	4	446	561.27	446
2	Puintala	40	1800	4	271	435.01	290
3	Loisingha	285	560	4	191	167.14	220
4	Agalpur	486	2461	4	238	212.22	257
5	Deogoan	562	2250	45	228	147.62	247
6	Gudvella	308	1252	42	215	181.31	286
7	Patnagarh	323	1913	7	390	279.08	390
8	Bel para	90	400	4	300	279.96	300
9	Khaprakhol	210	1010	10	161	165.57	205
10	Titilagarh	317	1210	5	253	210.13	267
11	Saintala	182	910	5	142	113.50	152
12	Muribahal	63	304	2	250	209.64	277
13	Bangomunda	203	985	2	342	287.51	365
14	Turekela	215	1215	7	234	195.47	258
<b>Total</b>		<b>3892</b>	<b>19246</b>	<b>145</b>	<b>3661</b>	<b>3445.43</b>	<b>3960</b>

Source: District Fishery Office

## 2.10 Horticultural and other Plantations (Perennial Crops)

Block	Mango Plantation under NHM (Ha.)	Mango Plantation under MGNREGS (Ha.)	Cashew Plantation (Ha.)	Total (Ha.)	No of farmers involved
Bolangir	8	10	2	20	40
Deogaon	7	10	0	17	35
Puintala	8	8	0	16	28
Agalpur	4	10	0	14	30
Loisingha	5	15	0	20 .00	45
Gudvella	5	10	2	17	36
Patnagarh	10	10	2	22	40
Khaprakhhol	8	20	2	30	60
Belpada	10	15	2	27	54
Titlagarh	17	20	0	37 .00	64
Tureikela	17	18	10	45 .00	86
Saintala	17	18	10	45	84
Muribahal	17	18	10	45	84
Bangomunda	17	18	10	45	82
Total	150	200	50	400	768

Source: DDH

## 2.11 Sericulture

Sl. No.	Name of the Block	Area Under Sericulture Plantations (in Ha.)				No. of farmers involved
		Eri	Mulberry	Tassar	Muga	
No sericulture plantation on the district						

## 2.12 Industries and Mining

Sl	Block	Major Industries		MSME		Handicraft and Cottage Industries		Handloom Industries		Mining	
		Units	Persons Engaged	Units	Persons Engaged	Units	Persons Engaged	Units	Persons Engaged	Units	Persons Engaged
1	2	3	4	5	6	7	8	9	10	11	12
1	Agalpur	0	0	333	1113	305	305	1	1920		
2	Bolangir	2	27	477	2414	365	365	1	516		
3	Bangomunda	0	0	650	3119	105	105	1	2568		
4	Belpada	1	80	410	1629	90	90	1	1146		
5	Deogaon	1	51	308	729	139	139	1	1164		
6	Gudvela	0	0	185	725	108	108	1	350		
7	Khaprakhol	0	0	357	1161	128	128	1	624		
8	Loisinga	0	0	365	1223	399	399	1	498		
9	Muribahal	0	0	316	1095	23	23	1	170		
10	Patnagarh	0	0	349	1172	195	195	1	2046		
11	Puintala	0	0	351	1208	271	271	1	132		
12	Saintala	1	2400	337	1213	252	252	1	170		
13	Titilagarh	1	445	445	2078	150	150	1	50		
14	Turekela	0	0	363	1534	65	65	1	338		
<b>Total</b>		<b>6</b>	<b>3003</b>	<b>5246</b>	<b>20413</b>	<b>2595</b>	<b>2595</b>	<b>14</b>	<b>11692</b>	<b>0</b>	<b>0</b>

Source: Col. 1 to 8: GM, DIC, Col. 9 & 10: ADT

## 2.13 Employment and Livelihood

Sl. No.	Sub-District	CD Block	Population	Cultivators	Agricultural Labourers	Other Daily Wage Labourers	Animal Husbandry	Fishery	Business (Registered)	Services (Govt.)	Living on alms
1	2	3	4	5	6	7	8	9	10	11	12
1	Balangir	Balangir, Puintala	327081	27614	40078	61888	456661	Refer Table No. 2.10 (Col.8)	544	2429	290
2	Bangomunda	Bangomunda	74579	9364	18129	8188	110260		48	330	60
3	Belpara	Belpada	116136	12372	32498	10483	171489		336	834	204
4	Kantabanji	Turekela	72115	5235	9797	15210	102357		95	223	118
5	Khaprakhol	Khaprakhol	89819	12957	23858	6812	133446		168	427	107
6	Loisinga	Agalpur, Loisingha	152865	15197	33275	19361	220698		312	1992	322
7	Patnagarh	Patnagarh	168325	18705	36709	22574	246313		479	1149	295
8	Saintala	Saintala	148991	15782	28851	18556	212180		696	2067	315
9	Sindhekela	Bangomunda	98777	13988	27643	7415	147823		169	450	72
10	Titlagarh	Titilagarh	162859	12995	25099	30045	230998		231	862	186
11	Turekela	Turekela	52422	7046	13857	4543	77868		53	150	215
12	Tushura	Deogaon, Gudvela	185028	15310	36622	22545	259505		388	1350	213
<b>Total</b>			<b>1648997</b>	<b>166565</b>	<b>326416</b>	<b>227620</b>	<b>2369598</b>	<b>19246</b>	<b>3519</b>	<b>12263</b>	<b>2397</b>

### 3 Education

#### 3.1 EnrolmentStatus of Children (6-15 years)

SL	Block	Total No. of children Enrolled	No of children dropout	No of children Never enrolled
1	2	3	4	5
1	Agalpur	14725	8	32
2	Balangir	24826	11	34
3	Balangir MPL	6276	37	88
4	Bangomunda	20643	0	1
5	Belpada	25466	5	15
6	Deogaon	16660	0	23
7	Gudvela	10526	10	3
8	Kantabanji NAC	1812	18	160
9	Khaprakhhol	22050	54	69
10	Loisingha	14612	9	6
11	Muribahal	22129	1	26
12	Patnagarh	27335	15	77
13	Patnagarh NAC	1711	62	101
14	Puintala	18379	0	1
15	Saintala	21562	0	0
16	Titilagarh	28940	0	0
17	Titilagarh MPL	2866	0	0
18	Turekela	24578	0	0

19	Tusura NAC	1123	0	0
<b>Total</b>		<b>306219</b>	<b>230</b>	<b>636</b>

Source: DPC, SSA

### 3.2 Migration

- Trend and duration of Migration: **From Aug/Sept to April/May**
- Destinations of Migration: **Hydrabad, Surat, Mumbai, Raipur, Cuttack, Assam etc.**

Sl	Block	Migrating HHs	Male	Female	Total	(0-6 years)		(7-14 years)	
						Male	Female	Male	Female
1	2	3	4	5	6	7	8	9	10
1	Belpada	1429	5358	1787	7145				
2	Bangomunda	1349	5058	1687	6745				
3	Turekela	1119	4197	1399	5596				
4	Khaprakhol	1012	3798	1266	5064				
5	Muribahal	839	3147	1050	4197				
6	Patnagarh	953	3576	1192	4768				
7	Saintala	344	1284	428	1712				
Total		7045	26418	8809	35227				

Source: DLO

### Electricity

Sl. No.	Name of the Block	Village Electrification				Household Electrification			Rural Household
		Total No. of Inhabited Villages	FE-Fully Electrified	PE- Partially Electrified	UE- Un-Electrified	Total No. of HHs	Electrified	UE (Proposed)	
1	Agalpur	102	0	102	0	25513	5719	19794	25513
2	Balangir	122	0	122	0	47456	24458	22998	25476
3	Bangomunda	133	0	133	0	28277	10833	17444	28277
4	Belpada	119	0	119	0	31759	13639	18120	31759
5	Deogaon	127	0	127	0	24769	898	23871	24769

6	Gudvela	92	0	90	2 (Govasara & Thelkobeda)	16135	2637	13498	14935
7	Khaprakhhol	132	0	132	0	24567	8284	16283	24567
8	Loisingha	107	0	107	0	24246	973	23273	24246
9	Muribahal	157	0	157	0	29389	10041	19348	29389
10	Patnagarh	164	0	164	0	38423	12144	26279	33388
11	Puintala	134	0	134	0	26570	3800	22770	26570
12	Saintala	137	0	137	0	32251	3798	28453	32251
13	Titilagarh	130	0	130	0	36488	11646	24842	31601
14	Turekela	108	0	108	0	28906	10912	17994	21548
<b>Total</b>		<b>1764</b>	<b>0</b>	<b>1762</b>	<b>0</b>	<b>414749</b>	<b>119782</b>	<b>294967</b>	<b>374289</b>

Source: WESCO

## 5 Drinking Water and Sanitation:

### 5.1 Drinking Water

Sl. No.	Block/ ULBs	No. of villages having access to safe drinking water	No. of Villages/ hamlets affected by Fluoride	Affected Population	No. of Villages/ hamlets affected by Arsenic Contamination	Affected Population	Villages/ Wards having crisis of drinking water during summer season	Affected Population
1	2	3	4	5	6	7	8	9
1	Agalpur	98	4	3911	0	0	32	20128
2	Balangir	103	9	12101	0	0	10	10693
3	Bangomunda	132	1	244	0	0	5	13209
4	Belpada	115	4	4226	0	0	5	22644
5	Deogaon	110	16	11132	0	0	31	30192

6	Gudvela	82	3	2689	0	0	7	10064
7	Khaprakhol	129	6	3320	0	0	13	16354
8	Loisingha	102	5	6005	0	0	13	19499
9	Muribahal	156	1	755	0	0	26	11322
10	Patnagarh	163	4	1768	0	0	19	14467
11	Puintala	0	0	0	0	0	12	7548
12	Saintala	130	7	4412	0	0	11	15096
13	Titilagarh	128	2	3577	0	0	49	23273
14	Turekela	103	3	1745	0	0	24	19499
<b>Total</b>		<b>1551</b>	<b>65</b>	<b>55885</b>	<b>0</b>	<b>0</b>	<b>257</b>	<b>233988</b>

Source: RWSS

## 5.2 Drinking Water Supply Infrastructures

Sl. No.	Name of the Block	Total No. of Functional Tube Wells	Total No. of Sanitary Wells	Pipe Water Supply			
				No. of PWS	No. of Villages Covered	No. of Households	Length in Km.
1	2	3	4	5	6	7	8
1	Agalpur	1073	0	39	41	14191	
2	Balangir	1450	0	41	45	13415	
3	Bangomunda	1484	0	36	43	10558	
4	Belpada	1385	0	31	31	12471	
5	Deogaon	1346	0	52	60	13912	
6	Gudvela	880	0	30	31	5986	
7	Khaprakhhol	1469	0	53	49	11296	
8	Loisingha	1414	0	30	35	10479	
9	Muribahal	1354	0	37	40	10217	
10	Patnagarh	1582	0	31	31	9837	
11	Puintala	1455	5	24	28	7529	
12	Saintala	1398	8	58	64	17490	
13	Titilagarh	1320	0	37	40	14714	
14	Turekela	1330	0	37	37	10029	
<b>Total</b>		<b>18940</b>	<b>13</b>	<b>536</b>	<b>575</b>	<b>162124</b>	

Source: RWSS

### 5.3 Sanitation

Sl. No.	Name of the Block	Villages Sanitation				Total No. of Community Sanitary Complexes	Households		Schools	
		Total No.	No. of ODF Villages	No. of Villages having covered drains	Length in Km.		Total No. of HHs	No. of HHs having IHHL	Total No.	No. of Schools having functional Toilets
1	2	3	4	5	6	7	8	9	10	11
1	Agalpur	102	102	0	0	0	22739	1290	133	140
2	Balangir	122	47	0	0	0	23847	98	310	154
3	Bangomunda	133	13	0	0	0	26482	1056	185	162
4	Belpada	119	7	0	0	0	31475	2108	197	165
5	Deogaon	126	11	0	0	0	21266	1245	113	165
6	Gudvela	85	18	0	0	0	12840	588	163	100
7	Khaprakhol	132	24	0	0	0	24172	524	203	166
8	Loisingha	107	86	0	0	0	21714	0	202	130
9	Muribahal	157	11	0	0	0	27515	48	174	185
10	Patnagarh	164	58	0	0	0	35523	4376	350	202
11	Puintala	134	26	0	0	0	25707	1	145	176
12	Saintala	135	8	0	0	0	26546	986	64	192
13	Titilagarh	130	2	0	0	0	26038	6	34	171

<b>14</b>	Turekela	106	16	0	0	0	21753	1575	132	139
<b>Total</b>		<b>1752</b>	<b>429</b>		<b>0</b>	<b>0</b>	<b>347617</b>	<b>13901</b>	<b>2405</b>	<b>2247</b>

Source: RWSS

## 6 ICDS/ Anganwadi

### Information on District Disaster Management Plan For the Year 2019

Sl.No	Name of the Block	Total No of Anganwadi Centres	No of AWC having own pucca building	No of Enrolled Children ( 0 to 6 yrs)	No of Severely Malnourished children Reffered during the Year	No of Pregent/Lactating Mother
1	2	3	4	5	6	7
1	Balangir	226	129	14712	31	12
2	Puintala	191	103	9657	70	689
3	Deogaon	195	113	9222	189	353
4	Gudvela	110	90	5633	143	229
5	Loisingha	185	159	7273	242	459
6	Agalpur	182	130	7336	265	499
7	Patnagarh	276	225	15018	1200	0
8	Belpara	179	104	17300	188	55
9	Khaprakhol	170	120	12379	232	74
10	TITILAGARH	217	143	17657	184	44
11	Saintala	179	123	4237	133	34

12	Muribahal	202	139	11102	40	16
13	BANGOMUNDA	188	122	15274	15	35
14	Turekela	160	93	13088	4	8
		2660	1793	159888	2936	2507

Source: DSWO

## 7 Health

### 1.33- Major Health Indicators:

Sl. No.	Block	Child Mortality Rate	Maternal Mortality Rate	Institutional Delivery in percentage	Immunization status of Children below 5 years in percentage (Full Immunization, 0-1 Year)	Any Other
1	Agalpur Block	34	178	97	104	
2	Bangomunda Block			78	96	
3	Belapara Block			96	94	
4	Bolangir Block			58	100	
5	DHH BALANGIR			100	108	
6	Deogaon Block			67	98	
7	Gudvella Block Area			96	99	
8	Khaparakhole Block			97	94	
9	Loisinga Block			99	105	
10	Muribahal Block			79	106	
11	Patnagad SDH			100	119	
12	Patnagarh Block			99	99	
13	Puintala Block			47	101	

14	Saintala Block			95	104	
15	Titilagad SDH			100	112	
16	Titilagarh Block			78	100	
17	Kantabanjhi PPC			100	118	
18	Tureikela CHC			70	90	
				1554	1847	

#### 7.1 - Incidence of Major Diseases during last 5 years:

Sl. No.	Name of the Disease	Incidents/ Cases Treated	No. of Deaths due to disease
1	Malaria	34416	25
2	Jaundice	480	1
3	Pneumonia	--	--
4	Diarrhea	289	2
5	TB	9694	61

## 8 Rural Credit

### 8.1 Source of Rural Credit:

Sl. No.	District	Source of Rural Credit in Percentage (%)							
		Commercial Banks	RRBs	Cooperative Banks	SHGs	JLG	Government	Land lord/ Employers	Money Lenders
1	2	3	4	5	6	7	8	9	10
<b>Balangir</b>		77702.03	59494.12	38003.85	2729.5	1050	141.72	-	-
<b>Percentage</b>		<b>43.38</b>	<b>33.21</b>	<b>21.22</b>	<b>1.52</b>	<b>0.59</b>	<b>0.08</b>	<b>-</b>	<b>-</b>

Source: Col. 1 to 7: PLCP, NABARD, Col. 8: OLM

## 8.2 Financial Inclusion:

Sl. No.	Block	No. of HHs	No. of HHs in which at least one adult member having a Bank Account	No. of HHs covered under RSBY	No. of HHs covered under BKKY	No. of Persons covered under PMSBY	No. of Persons covered under PMJJBY	No. of HHs covered under AABY	No. Persons covered under Atala Pension Yojna
1	2	3	4	5	6	7	8	9	10
1	Agalpur	25513	25513	11300	16394				
2	Balangir	47456	47456	10403	17041				
3	Bangomunda	28277	28277	18641	20279			1284	
4	Belapara	31759	31759	14782	17839				
5	Deogaon	24769	24769	13110	16467				
6	Gudvella	16135	16135	8222	11483				
7	Khaprakhol	24567	24567	15511	21676				
8	Loisingha	24246	24246	10796	14424				
9	Muribahal	29389	29389	15974	18206			1982	
10	Patanagarh	38423	38423	18323	27402				
11	Puintala	26570	26570	14258	17398				
12	Saintala	32251	32251	17171	26092				
13	Titilagarh	36488	36488	17841	23181				
14	Tureikela	28906	28906	13842	16873				
Total		414749	414749	200174	264755	193482	34509	3266	4458

**Block wise WSHG Bank linkage Target 2018-19**

<b>Sl. No.</b>	<b>Name of the Block</b>	<b>Block wise Physical target</b>	<b>Nos. of SHG application Sponsored</b>	<b>Block wise Physical achievement</b>	<b>Pending in Bank Branch</b>	<b>Financial Target (in Lakh)</b>	<b>Financial achievement (in Lakh)</b>	<b>% of phy.achievement</b>	<b>% of Fin.achievement</b>
<b>1</b>	<b>Agalpur</b>	<b>250</b>	<b>317</b>	<b>317</b>	<b>0</b>	<b>373.25</b>	<b>457.91</b>	<b>126.8</b>	<b>122.7</b>
<b>2</b>	<b>Balangir</b>	<b>367</b>	<b>274</b>	<b>274</b>	<b>0</b>	<b>547.93</b>	<b>340.54</b>	<b>74.66</b>	<b>62.15</b>
<b>3</b>	<b>Bangomunda</b>	<b>312</b>	<b>275</b>	<b>233</b>	<b>42</b>	<b>465.82</b>	<b>265.63</b>	<b>74.7</b>	<b>57.02</b>
<b>4</b>	<b>Belpara</b>	<b>380</b>	<b>395</b>	<b>385</b>	<b>10</b>	<b>567.34</b>	<b>539.01</b>	<b>101.32</b>	<b>95.01</b>
<b>5</b>	<b>Deogaon</b>	<b>318</b>	<b>383</b>	<b>216</b>	<b>167</b>	<b>474.78</b>	<b>232.33</b>	<b>67.92</b>	<b>48.93</b>
<b>6</b>	<b>Gudvella</b>	<b>225</b>	<b>104</b>	<b>104</b>	<b>0</b>	<b>335.93</b>	<b>131</b>	<b>46</b>	<b>39.00</b>
<b>7</b>	<b>Khaprakhhol</b>	<b>250</b>	<b>212</b>	<b>147</b>	<b>65</b>	<b>373.25</b>	<b>174.81</b>	<b>58.8</b>	<b>46.83</b>
<b>8</b>	<b>Loisingha</b>	<b>230</b>	<b>271</b>	<b>255</b>	<b>16</b>	<b>343.39</b>	<b>345</b>	<b>110.87</b>	<b>100.47</b>
<b>9</b>	<b>Muribahal</b>	<b>300</b>	<b>286</b>	<b>231</b>	<b>55</b>	<b>447.90</b>	<b>258</b>	<b>77.00</b>	<b>57.60</b>
<b>10</b>	<b>Patnagarh</b>	<b>300</b>	<b>297</b>	<b>297</b>	<b>0</b>	<b>447.90</b>	<b>409.31</b>	<b>99.00</b>	<b>91.38</b>
<b>11</b>	<b>Puintala</b>	<b>298</b>	<b>196</b>	<b>193</b>	<b>3</b>	<b>444.92</b>	<b>203.1</b>	<b>64.77</b>	<b>45.65</b>
<b>12</b>	<b>Saintala</b>	<b>290</b>	<b>303</b>	<b>303</b>	<b>0</b>	<b>432.97</b>	<b>364.5</b>	<b>104.48</b>	<b>84.19</b>
<b>13</b>	<b>Titilagarh</b>	<b>295</b>	<b>191</b>	<b>185</b>	<b>6</b>	<b>440.44</b>	<b>210.8</b>	<b>62.71</b>	<b>47.86</b>
<b>14</b>	<b>Turekela</b>	<b>235</b>	<b>258</b>	<b>141</b>	<b>117</b>	<b>350.86</b>	<b>182</b>	<b>60.00</b>	<b>51.87</b>
<b>Total</b>	<b>Blocks</b>	<b>4050</b>	<b>3762</b>	<b>3281</b>	<b>481</b>	<b>6046.69</b>	<b>4113.94</b>	<b>81.01</b>	<b>68.04</b>

Source: Col. 1,2,3,4,7,8,10: LDM, Col.5: DHH, Col.6: DDA, Col.9: OLM

Source: OLM

## 9 Food Security (Public Distribution System)

SL No.	Block	No. of HHs	HHs Covered under NFSA (PHH+AAY)	Total No. of Beneficiaries (PHH+AAY)	Consumption (in Qntls.) Per Month		No. of PDS outlets in the Block/ULBs	Storage Points	
					Rice	Wheat		Nos.	Storage Capacity (In Qntls.)
1	AGALPUR	25,513	24,166	81,792	4,281.33	327.07	18	18	4500
2	BOLANGIR	25,476	23,538	83,147	4,379.47	315.23	25	25	6250
3	BANGOMUNDA	28,277	29,119	102,155	5,672.68	338.52	26	26	6500
4	BELPADA	31,759	30,682	112,209	6,142.94	242.36	24	24	6000
5	DEOGAON	24,769	22,921	80,479	4,328.38	309.97	25	25	6250
6	GUDVELA	14,935	12,344	42,893	2,357.36	130.39	12	12	3000
7	KHAPRAKHOL	24,567	28,559	91,628	5,301.80	143.45	19	19	4750
8	LOISINGHA	24,246	23,074	80,730	4,180.26	371.74	20	20	5000
9	MURIBAHAL	29,389	29,398	101,638	5,602.83	331.57	22	22	5500
10	PATNAGARH	33,388	34,159	114,416	6,385.23	307.47	26	26	6500
11	PUINTALA	26,570	25,079	90,642	4,505.59	531.81	25	25	6250
12	SAINTALA	32,251	27,226	91,272	4,956.78	319.32	22	22	5500
13	TITILAGARH	31,601	29,393	97,125	5,592.70	350.90	24	24	6000

14	TUREKELA	21,548	22,968	76,441	4,515.50	142.00	19	19	4750
15	BOLANGIR MPL	21,980	14,890	51,175	2,423.37	449.13	20	20	5000
16	KANTABANJI NAC	4,887	3,447	10,867	613.30	39.90	2	2	500
17	PATNAGARH NAC	5,035	3,132	10,659	579.32	46.18	1	1	250
18	TITILAGARH NAC	7,358	4,001	13,796	811.27	106.53	6	6	1500
19	TUSURA NAC	1,200	1,994	6,882	388.24	29.66	1	1	250
<b>TOTAL</b>		<b>414,749</b>	<b>390,090</b>	<b>1,339,946</b>	<b>73,018.35</b>	<b>4,833.20</b>	<b>337</b>	<b>337</b>	<b>84250</b>

Source: CSO

## 10 Social Security

Sl. No.	Block	No. of Persons covered under Old Age Pension Scheme		No. of Persons covered under Widow Pension	No. of Persons covered under Disability Pension	
		M	F		M	F
1	Bolangir	1695	1386	3065	571	468
2	Puintala	1635	1096	2724	461	377
3	Deogaon	1281	1136	2417	441	424
4	Gudvela	1140	670	1805	352	255
5	Loisinga	1709	1516	3219	661	520
6	Agalpur	1682	1321	2996	398	255
7	Titilagarh	2096	1456	3548	549	295
8	Saintala	1621	1326	2940	449	368
9	Muribahal	1835	1384	3215	602	418
10	Bangomunda	1677	1317	2988	483	309

11	Turekela	2044	1307	3346	551	318
12	Patnagarh	2425	1756	4180	598	367
13	Kharakhhol	1567	1505	3071	418	386
14	Belpada	1994	1171	3163	175	168
15	Bolangir M	1264	1035	2292	401	356
16	Titilgarh M	642	617	1259	198	150
17	Kantabanji N	508	450	956	189	137
18	Patnagarh N	260	249	508	92	64
19	Tusra N	461	377	838	194	158
<b>TOTAL</b>		<b>27536</b>	<b>21075</b>	<b>48530</b>	<b>7783</b>	<b>5793</b>

Source: DSSO

## 11 Community/ Social Institutions:

Sl. No.	Name of the Block/ ULB	Women Self Help Groups			Youth Clubs		Farmer's Clubs		Volunteers			
		Total No. of WSHGs	Total No. of women members	Total No. of SHGs Bank Linked	Total No.	Total Members	Total No.	Total Members	NYK	NSS	Civil Defense	BNV
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Agalpur	748	8872	163	185	2220	33	330		200	0	125
2	Balangir	785	8824	229	200	2400	26	260		150	0	103
3	Bangomunda	1047	11088	150	83	996	51	510		50	0	1
4	Belpara	612	7226	196	159	1908	9	90		50	0	82
5	Deogaon	737	8245	146	77	924	7	70		200	0	161
6	Gudvella	549	5855	91	135	1620	42	420		50	0	131

7	Khaprakhol	806	9444	120	79	948	23	230		50	0	92
8	Loisingha	832	9340	77	89	1068	8	80		150	0	37
9	Muribahal	863	9751	155	54	648	7	70		50	0	336
10	Patnagarh	753	8561	173	87	1044	18	180		300	0	225
11	Puintala	690	6990	98	137	1644	18	180		50	0	8
12	Saintala	831	8915	183	45	540	11	110		150	0	1
13	Titilagarh	662	6911	105	39	468	40	400		50	0	125
14	Turekela	742	7923	86	46	552	14	140		0	0	7
<b>Total</b>		<b>10657</b>	<b>117945</b>	<b>1972</b>	<b>1415</b>	<b>16980</b>	<b>307</b>	<b>3070</b>	<b>12</b>	<b>1500</b>	<b>0</b>	<b>1434</b>

Source: Col. 1 to 5: OLM, Col. 6, 7& 10: NYK, Col. 8 & 9: NABARD, Col.11: CC-NSS, Col. 13: <http://ruraldiksha.nic.in/>

### 11.2 College wise NSS volunteers

College Name	Block	Volunteers	Name of the Contact Person	Contact Number
Anchalik Degree Mahavidyalaya, Kusang	Loisingha	100	Ajit Kumar Bhoi	9937382911
SC Degree College, Chandanbhati	Bolangir	50	Chandrabhanu Mirdha	8018357231
Binapani Degree College, Dhumabhata	Patnagarh	100	Rabinarayana Chhanda	9937543595
Jawaharlal College, Patnagarh	Patnagarh	50	Laxmana Bhoi	9938868359
PS Degree College, Ghasian	Patnagarh	50	Madhab Ch Naik	8018965412
RSA Degree College, Bileisarda	Puintala	50	Narayana Mahakhud	8249261659
PS Degree College, Deogaon	Deogaon	100	Rinki Seth	8895176235
J Degree College, Sahajbahal	Patnagarh	100	Kabiraj Bhoi	9938313118
Saswat Degree College, Jarasingha	Deogaon	100	Bishnu Ch Sahoo	9937932548
Agalpur Degree Science College, Agalpur	Agalpur	50	Birendra Ku Bag	7381864003
APS Degree College, Roth	Agalpur	150	Daitari Sabar	9437173239
Tusura Degree College, Tusura	Gudvela	50	Kabiraj Sahoo	9937724828

PS Degree College, Saintala	Saintala	150	KC Darjee	8093822274
PS Degree College, Bangomunda	Bangomunda	50	Subhendu Meher	9437623607
PS College, Belpada	Belpada	50	Ramakanta Putel	9938388904
PS College, Belpada	Khaprakhhol	50	Kanhu Charana Dash	8763706787
Govt. Womens College, Balangir	Bolangir	50	Sadashiv Mallick	9238684050
Ayurvedic College, Balangir	Bolangir	50	Manoj Ku Sahoo	9438326669
PS college, Murhibhal	Murhibhal	50	Dilip Ku Pasayat	9937591280
Loisingha College, Loisingha	Loisingha	50	Santosh Ku Singhlal	9178077394
DAV, Titilagarh	Titilagarh	50	Manoj Ku Patel	NA

### 11.3 College wise NCC Details

#### SENIOR DIVISION

Sl No.	Name of Institution	Rank	Name of ANO/CTO	Mobile No. Residence	Strength
1	DAV College, Titilagarh	Maj	Madhusudan Mishra	9437240372	50
2	J. College, Patnagarh	Maj	Ram Kumar Sahu	9937333299	50
3	Boudh Panchayat College, Boudh	Capt	Mahendranath Debta	9437243245	50
4	Khariar College, Khariar	Lt	Bishu Dev Singh Mallick	9777153643	50
5	Sonepur College, Sonepur	Lt	Ananta Narayan Dash	9937817273	50
6	Birmaharajpur College, Birmaharajpur	Lt	Surya Narayan Panda	9777912681	50
7	Loisinga College, Loisinga	Lt	Pradep Kumar Bagarty	9861593625	50
8	Kesinga Mahavidyalaya, Kesinga	Lt	Sateesh Chandra Khamari	9438645448	50
9	APS College, Roth	CTO	Abhilash Prmananda Joshi	9668721069	50
10	Rajendra College, Balangir	CTO	Dr. Manoj Kumar Nag	8280050788	50
11	SITE, Sadaipali	CTO	Sawan Prabhakar Barik	9668463952	50

#### SENIOR WING

1	DAV College, Titilagarh	CTO	Mandakini Meher		30
2	Rajendra College, Balangir	CTO			10
3	Khariar College, Khariar	CTO	Nibedita Acharya		30
4	Sonepur College, Sonepur	CTO	Chandrakanti Biswal		30
5	Women's College, Balangir	CTO			10

#### JUNIOR DIVISION

Sl No.	Name of Institution	Rank	Name of ANO/CTO	Mobile No. Residence	Strength
1	Govt. Boy's High School, Titlagarh	CTO	Sushanta Kumar Majhi	7894781337	50
2	Raja At High School, Khariar	F/O	Akhyaya Kumar Rath	9937803109	50
3	Ramai High School, Patnagarh	S/O	Rabindra Chhatar	9937718144	50
4	Town High School, Balangir	S/O	Trilochan Mahapatra	9938089115	50
5	Govt Boy's High School, Kantabanji	S/O	Chhelia Sahu	9437761515 & 7205340003	50
6	National High School, Nuapada	S/O	Sukanta Kumar Satpathy	9437623085	50
7	Kesinga Vidyapaitha, Kesinga	S/O	Sameer Kumar Bahera	9439030144	50
8	Police High School, Balangir	T/O	Kishor Mohan Dang	9438282642	50
9	Govt. High School, Chudapali	T/O	Bibhu Prasad Yadav	9437132335	50
10	P P High School, Balangir	CTO	Sunil Kumar Behera	9937866307	100
11	P R High School, Balangir	CTO	Ram Gopal Khamari Sharma	8895558945 & 9090288679	50
12	SDMTP Public School, Titilagarh	CTO	Udaya Chandra Mahapatra	9439147078	50
13	JD High School, Boudh	CTO	Manas Ranjan Purohit	9776692598	50
14	Little Flower School, Balangir (JD)	CTO	Ajit Kumar Hanuman	9438203298	50
15	M R High School, Sonapur	CTO	Padmanava Karna	9437637942	50
16	Saraswati Shishu Vidya Mandir, Patnagarh	CTO	Bharat Nag	9777234398	50
17	Govt. High School, Rampur	CTO	Ananga Rana	9658218118	50
18	H K M High School, Loisinga	CTO	Bhakta Charan Naik	7749004712	50
19	Govt. Panchayat High School, Chandanbhati	CTO	Padmanava Budek	9937739783	50
20	Dadhibaman High School, Bausuni	CTO	Nilachal Meher	9437088062	50
21	JNV , Belpada (JD)		Chinmaya Kumar Dash	9437389285	50
22	Lions Public School, Kantabanji (JD/JW)	CTO	S. S. Dash	9437639321	50
23	Oriental Public School, Malamunda, Balangir	CTO			50
Total					1200

## 12 Transport and Communication

### 12.1 Road Connectivity and Transport

Sl. No.	Block	Total No. of GPs	No. of GPs connected with the Block HQ with all weather road	Total No. of Villages	No. of Villages connected with GP HQ with all weather Roads	No. of Villages/ GPs having bus communication.	No. of Govt. and Private Buses Operating	
							Govt.	Pvt.
1	2	3	4	5	6	7	8	9
1	Agalpur	18	13	102	95	20	0	3
2	Balangir	24	23	122	121	24	8	46
3	Bangomunda	22	21	133	132	25	2	3
4	Belpara	22	18	119	115	24	3	14
5	Deogaon	23	14	127	118	26	3	33
6	Gudvella	10	3	92	76	13	0	6
7	Khaprakhol	18	17	132	131	21	0	7
8	Loisinga	18	15	107	102	20	0	8
9	Muribahal	18	16	157	154	19	0	4
10	Patnagarh	26	25	164	163	30	3	30
11	Puintala	24	22	134	130	24	2	6
12	Saintala	20	16	137	133	21	3	14
13	Titlagarh	22	11	130	119	24	1	5
14	Turekela	19	15	108	104	17	2	17
<b>Total</b>		<b>284</b>	<b>229</b>	<b>1764</b>	<b>1693</b>	<b>20</b>	<b>27</b>	<b>196</b>

Source: Col. 1 to 6: BDOs, Col. 7 to 9: RTO

## 12.2 Road Network

Sl. No.	Block	No of villages	N.H. (Length in Km.)	State Highways (Length in Km.)	Major District Roads(Length in Km.)	Rural Roads (Length in Km.)	GP/ PS Roads (Length in Km.)	Forest Roads (Length in Km.)	ODR
1	2	3	4	5	6	7	8	9	10
1	Agalpur	102	6	0	0	80.47	77.25	0.00	16
2	Balangir	122	24.69	28	0	96.25	92.40	41.09	54.5
3	Bangomunda	133	7.2	33	6	104.92	100.73	26.00	0
4	Belpada	119	0	16	0	93.88	90.13	0.00	90.8
5	Deogaon	127	5	0	0	100.19	96.19	0.00	120
6	Gudvela	92	0	0	0	72.58	69.68	5.00	35.6
7	Khprakhhol	132	0	0	24	104.13	99.98	50.00	28.5
8	Loisingha	107	14	0	0	84.41	81.04	0.00	14
9	Muribahal	157	24.7	0	0	123.86	118.91	15.00	34.4
10	Patnagarh	164	0	25	45	129.38	124.21	20.99	58.5
11	Puintala	134	28.31	0	0	105.71	101.49	0.00	35
12	Saintala	137	28.09	0	18	108.08	103.76	13.00	77.5
13	Titilagarh	130	21.3	3	33	102.56	98.46	22.00	8.8
14	Turekela	108	0	16	0	85.20	81.80	56.00	68.5
Total		<b>1764</b>	<b>159.29</b>	<b>134.41</b>	<b>126</b>	<b>1391.6</b>	<b>1336.00</b>	<b>249.08</b>	<b>642.1</b>

Source: Col. 1, 2, 7 & 8: DRDA, Col. 4: EE, NH Division, Col. 5.6&10: EE, R&B, Col. 9: DFO (T)

### 12.3 Railway Network:

Sl. No.	Section	Single Line (length in Km)	Double Line (length in Km)	Total No. of Railway Stations in the district
1	Balangir Section	136.7	0	8
2	Titilagarh Section	0	13.8	3
3	Kantabanhi Section	56.6	0	3
<b>Total</b>		193.3	13.8	14

Source: ADE, Balangir, Titilagarh & Kantabanji

### 12.4 Telecommunication and Internet Connectivity

Sl	Name of the Block	GPs	Villages	No. of GP Offices having Phone and Internet Connectivity	No of GPs having Mobile(GPRS) Connectivity	Total No. of Mobile phone Towers	Percentage of Population covered by wireless network	No. of Community Radio Stations	No. of VHF stations	No. of HAM radios/ HAM radio stations	No. of E-Seva Kendras
1	2	3	4	5	6	7	8	9	10	11	12
1	Agalpur	18	102	0	13		73.78	0	1	0	28
2	Balangir	23	122	1	23		76.34	0	2	0	32
3	Bangomunda	22	133	0	20		64.29	0	1	0	19
4	Belpara	22	119	1	17		60.76	0	1	0	19
5	Deogaon	23	127	2	23		80.20	0	1	0	21
6	Gudvella	11	92	0	9		60.67	0	1	0	15
7	Khaprakhol	18	132	2	13		73.16	0	1	0	15
8	Loisinga	18	107	1	18		72.87	0	1	0	21
9	Muribahal	18	157	0	18		29.40	0	1	0	20
10	Patnagarh	26	164	2	26		73.64	0	1	0	27
11	Puintala	24	134	2	24		61.53	0	1	0	24
12	Saintala	20	137	1	20		78.31	0	1	0	19
13	Titlagarh	22	130	0	22		71.29	0	1	0	26

14	Turekela	19	108	0	13		34.18	0	1	0	14
<b>Total</b>		<b>284</b>	<b>1764</b>	<b>12</b>	<b>259</b>		<b>64.89</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>300</b>

**Sources: Col. 1 to 4: Census, 2011, Col. 5 & 6 : DRDA, Col. 8: Amenities Report Census, 2011, Col. 9 to 11: DEOC, Col.12: NIC**

## 13 Infrastructure

### 13.1 Educational Infrastructure and other Facilities

SI	BLOCK	No of Villages/ Habitations	No of Villages/ Habitations having primary School within the village	No of Villages/ Habitations having ME Schools within 5KM	No of Villages/ Habitations having High Schools within 5KM	Number of Teacher	Teacher Pupil Ratio	No. of Colleges	No. of ITI/ Polytechnic/ Vocational Training Institutes
1	2	3	4	5	6	7	8	9	10
1	Agalpur	109	68	53	24	422	23.52	7	13
2	Balangir	124	117	83	37	605	21.42	20	0
4	Bangomunda	133	99	53	25	847	27.10	4	6 (3 Govt. + 3 Pvt.)
5	Belpada	105	82	71	25	678	28.79	6	0
6	Deogaon	128	75	74	26	509	22.47	6	1
7	Gudvela	93	57	46	14	318	19.57	5	1
9	Khaprakhol	116	100	53	25	525	28.54	6	1
10	Loisingha	153	67	51	23	377	26.10	5	0
11	Muribahal	163	124	53	20	601	28.75	3	0

12	Patnagarh	164	120	81	37	757	24.10	11	0
14	Puintala	135	110	56	26	541	23.17	9	1
15	Saintala	141	100	71	29	595	22.62	7	0
16	Titilagarh	133	120	55	33	655	25.13	5	1
18	Turekela	103	86	49	22	468	36.00	5	0
<b>Total</b>		<b>1800</b>	<b>1325</b>	<b>849</b>	<b>363</b>	<b>7608</b>	<b>25.71</b>	<b>99</b>	<b>11</b>

Source: Col.1,2,3,4,6,7,9,10: DPC, SSA, Col. 5,8,11: Dist. Education Office, Col.12:DHE, Odisha, Col.13: Dist. Employment Office

## 13.2 Health Infrastructure

### Health Infrastructure:

Sl. No.	Block	No. of Health Sub Centers	No. of PHCs	No. of CHCs	No. of Homeopathic/ Ayurvedic Hospitals	No. of Sub Divisional Hospitals	No. of District/ Private Hospitals	No. of MHUs	No. of Ambulances	Blood Banks
1	Agalpur	15	4	1	0	0	0	1	1	0
2	Belpada	19	4	1	0	0	0	1	0	0
3	Balangir Block	15	3	1	0	0	0	1	1	0
4	Deogaon	14	3	1	0	0	0	1	1	0
5	Patnagarh Block	22	4	1	0	0	0	1	0	0
6	Gudvella	10	1	1	0	0	0	1	1	0
7	Puintala	17	3	1	0	0	0	1	1	0
8	Khaprakhol	17	4	1	0	0	0	1	0	0
9	Titilagarh Block	18	4	1	0	0	0	1	0	0
10	Loisingha	14	3	1	0	0	0	1	1	0

11	Muribahal	16	3	1	0	0	0	1	1	0
12	Saintala	18	4	1	0	0	0	1	1	0
13	Bangomunda	16	5	1	0	0	0	1	0	0
14	Turekela	15	1	1	0	0	0	1	1	0
15	Kantabanji CHC	0	0	1	0	0	0	0	2	1
16	Patnagarh SDH	0	0	0	0	1	0	0	2	1
17	Titialgarh SDH	0	0	0	0	1	0	0	1	1
18	District (DHH)	10 (NUHM Urban)	2	0	1 (Ayurvedic)	0	1 (DHH)	0	3	1
Total		236	48	15	1	2	1	14	17	4

Source: CDMO

### 13.3 Human Resource Availability

#### 2.3- Human Resource Availability

Sl. No.	Block	No. of Doctors	No. of Paramedical Staffs	No. of ANMs	No. ASHAs	Others
1	District Total	174	387 + 113 (NHM)	223 + 57 (NHM)	2199	

Source: CDMO

### 13.4 Veterinary Infrastructure and Human Resource:

Sl. No.	Block	Veterinary Hospitals	No. of Doctors	Livestock Aid Centers	No. of Livestock Inspectors	No. of Artificial Insemination Centers
1	Balangir	2	3	11	12	19
2	Agalpur	1	2	12	9	13
3	Loisingha	1	2	11	7	12
4	Deagoan	2	2	8	9	14
5	Puintala	1	1	11	5	17
6	Gudvela	1	1	4	2	5
7	Patnagarh	1	1	9	7	10
8	Khaprakhol	2	2	7	5	9
9	Belpada	1	1	6	3	7
10	Titilagarh	1	1	9	6	10
11	Turekela	2	2	8	5	10
12	Bangomunda	2	2	8	2	10
13	Saintala	3	3	5	6	8
14	Murhibahal	1	1	5	3	6
<b>Total</b>		<b>21</b>	<b>24</b>	<b>114</b>	<b>81</b>	<b>150</b>

Source:CDVO

### 13.5 Electrical Infrastructure:

Sl. No.	Name of the Block	No. of Grid Stations	No. of 33/11 KV Substations	No. of Distributing Transformers			Conductor/ Electrical lines-11 KV or less (length in Kms.)	No. of Electrical Poles (Approx.)	No. of High Tension Towers (Approx.)	High Tension lines above 11 KV (length in Kms.)
				11 KV or Less	11 KV < and <60KV	60 KV and above				
1	2	3	4	5	6	7	8	9	10	11
1	Agalpur	0	2	483	4	0	287	3652	4	45
2	Balangir	1	6	468	13	5	417	4268	23	37.3

3	Bangomunda	0	1	200	0	0	268	4760		
4	Belpada	0	1	389	0	0	715.1	12248		50
5	Deogoan	0	1	301	2	0	327	3900	11	27.5
6	Gudvela	0	1	465	2	0	357	4345		18
7	Khaprakhol	0	1	390	0	0	504.19	8105		15.9
8	Loisingha	0	1	377	3	0	285	3410	16	25
9	Muribahal	0	1	372	0	0	653.51	10666		80
10	Patnagarh	0	3	673	0	0	973.16	16137		45.7
11	Puintala	0	1	474	2	0	325	3960	6	46.7
12	Saintala	0	2	527	0	0	776.03	12149		79
13	Titilagarh	0	3	683	0	0	1463.92	26261		136.2
14	Turekela	0	2	330	0	0	538.7	8377		35
Total		1	26	6132	26	5	7890.61	122238	60	641.3

Source: All (Except Col. 10): WESCO, Col. 10: OPTCL

### 13.6 Banks and Post Offices

Sl. No.	Block	Banks			No. of ATMs	Post Offices
		Commercial Banks	RRBs	Cooperative Banks		
1	2	3	4	5	6	7
1	Agalpur	3	3	1		16
2	Bolangir	29	4	3		28
3	Bangomunda	3	3	0		23
4	Belpara	1	4	1		14
5	Deogaon	3	4	2		27
6	Gudvella	4	1	1		14
7	Khaprakhol	3	2	1		20
8	Loisingha	4	2	1		15
9	Muribahal	2	3	0		11
10	Patnagarh	11	4	1		41
11	Puintala	2	5	0		22
12	Saintala	4	4	1		15

13	Titilagarh	13	3	1		28
14	Turekela	14	2	1		13
Total		96	44	14	162	287

Source: Col. 1 t 6: LDM, Col. 7: District Statistical Abstract, 2011

### 13.7 Fire Services

Sl	Name of the Fire Stations	Human Resource	Nodal Person	Designation	Contact No.
1	Balangir	19	Mr. Singh	AFO	06652-232333
2	Titilagarh	13	Saroj Kr. Mahapatra	S.O	06655-220477
3	Gudvela	13	Banamali Majhi	ASO	06652-286101
4	Agalpur	12	Dipak Kumar Kar	ASO	8280308511
5	Belpada	12	Saheba Bhoi	LFM	06658-264777
6	Loisingha	13	Alekha Kujur	LFM	9437584559
7	Mahimunda (Puintala)	10	Mana Samal	LFM	9938870599
8	Kantabanji	12	Punei Tappo	LFM	8270322590
9	Saintala	12	Philip Sindur	FLM	8895529176
10	Patnagarh	14	Dushmanta Mishra	SO	06658-222353
11	Khaprakhhol	13	Dharmaprasad Acharya	LFM	9437169469
12	Deagoan	12	Bhagbana Chhatria	LFM	06652-284101
13	Bangomunda	13	Laxmikanta Thapa	ASO	9437490830
14	Murhibhal	09	Dillip Munda	LFM	9937010784
Total		177			

Source: District Fire Officer, Balangir

## 14 Vulnerable Villages and Other Critical Infrastructure

### Year wise details of disasters during last 10 Years (2006-2015)

Year	Disaster	No. of incidents during (2006-2015)	No of Block	No of ULBs	No of GP	No of Villages	Affected HH/ Population	No. of Deaths	Livestock Loss	Houses Damaged	Damage and loss of Crop Area (in Hectares)	Sand Cast e
2006	Flood		14	4	313	1437	223218	3	13	15886	24212	6401.8
2007	Flood		5	0	0	49	18000	0	0	0	0	0
2008	Flood		14	0	185	661	355534	3	38	6739	15381	2401.00
2009	Flood		6	1	103	476	0	0	0	2867	0	0
2015	Flood		0	0	0	0	0	1	0	0	0	0
			14	5	313	1437	355535	7	51	25492	39593	8802.8
2006	Fire	5	0	0	0	6	97	0	0	97		
2007	Fire	46	0	0	0	30	129	1	0	129		
2008	Fire	39	0	0	0	39	85	2	0	85		
2009	Fire	71	0	0	0	70	97	2	89	97		
2010	Fire	44	0	0	0	49	75	0	0	75		
2011	Fire	48	0	0	0	48	64	0	0	64		
2012	Fire	41	0	0	0	38	70	1	10	70		

		8	0	0	0	10	21	0	0	0		
2015	Fire	0	0	0	0	8	9	0	0	0		
		302	0	0	0	298	647	6	99	617		
2016	Fire	2	2	0	2	2	33	0	0	33		
2006	Lightining							2				
2007	Lightining							15				
2008	Lightining							7				
2009	Lightining							2				
2010	Lightining							7				
2011	Lightining							13				
2012	Lightining							3				
2013	Lightining							18				
2014	Lightining							13				
2015	Lightining							11				
								91				
2016	Lightining							14				
								14				
2006	Sunstroke							2				
2007	Sunstroke							2				
2008	Sunstroke							0				
2009	Sunstroke							0				
2010	Sunstroke							3				
2011	Sunstroke							0				
2012	Sunstroke							1				
2014	Sunstroke							5				
2015	Sunstroke							3				
								16				
2016	Sunstroke							3				
								3				
2009	Drought		14	0	129	332						

2010	Drought		12	0	145	358						
2011	Drought		14	4	285	1783						
2015	Drought		14	5	284	1765					124792.04	
2015	Drowning							2				
2016	Snake Bite							4				
2010	Whirl Wind							1				

#### 14.2 List of vulnerable cut-off Villages

Sl	Block	GP	Village	Sl	Block	GP	Village
1	Agalpur	Babusafad	Ghuchepali	37	Gudvela	Nuapada	Nuapada
2	Agalpur	Budula	Budula	38	Gudvela	Tentulikhunti	Tentulikhunti
3	Agalpur	Duduka	Duduka	39	Khprakhhol	Bender	Bender
4	Agalpur	Nagaon	Kanthipali	40	Loisingha	Dunguripali	Magurbeda
5	Agalpur	Nagaon	Nagaon	41	Loisingha	Hirapur	Tevadungri
6	Agalpur	Salebhata	Mursundh	42	Loisingha	Rengali	Kapliabhat
7	Agalpur	Salebhata	Salebhata	43	Loisingha	Rengali	Kumiapali
8	Balangir	Chudapali	Badtelenpali	44	Loisingha	Rengali	Rengali
9	Bangomunda	Belpada	Dangia	45	Muribahal	Chalki	Bankel
10	Belpada	Bagdor	Bagdor	46	Muribahal	Chalki	Chalki
11	Belpada	Parlimal	Parlimal	47	Muribahal	Ichhapada	Ichhapada
12	Belpada	Sarmuhan	Sarmuhan	48	Patnagarh	Fatamunda	Fatamunda
13	Belpada	Sulekela	Sulekela	49	Puintala	Chhetapipal	Tendipali
14	Deogaon	Arjunpur	Arjunpur	50	Puintala	Gaintala	Brahmanipali

15	Deogaon	Bodobahal	Kendughat	51	Puintala	Gaintala	Lakhapali
16	Deogaon	Brahmanijore	Brahmanijore	52	Puintala	Gaintala	Mahakurpali
17	Deogaon	Dhandamal	Dhandamal	53	Saintala	Budabahal	Budabahal
18	Deogaon	Goudgoth	Ratakhandi	54	Saintala	Dunguripali	Dunguripali
19	Deogaon	Gourgoth	Gourgoth	55	Saintala	Siskela	Siskela
20	Deogaon	Kultapada	Singatimal	56	Saintala	Tikrapara	Tikrapara
21	Deogaon	Kuturla	Hatisara	57	Titilagarh	Banjipadar	Banjipadar
22	Deogaon	Sarasmal	Sarasmal	58	Titilagarh	Bhalegaon	Bhalegaon
23	Gudvela	Biramunda	Biramunda	59	Titilagarh	Bijepur	Bijepur
24	Gudvela	Biramunda	Demuhan	60	Titilagarh	Binekela	Binekela
25	Gudvela	Biramunda	Sandhisara	61	Titilagarh	Digsira	Digsira
26	Gudvela	Ghuna	Bagbahal	62	Titilagarh	Ghantabahali	Ghantabahali
27	Gudvela	Ghuna	Ghuna	63	Titilagarh	Kursud	Kursud
28	Gudvela	Ghuna	Tarsuguda	64	Titilagarh	Kushkela	Kushkela
29	Gudvela	Gudvela	Amagaon	65	Titilagarh	Luthurband	Luthurband
30	Gudvela	Jamut	Jamut	66	Titilagarh	Marlad	Marlad
31	Gudvela	Jamut	Lattara	67	Titilagarh	Siluan	Siluan
32	Gudvela	Jamut	Raxibhata	68	Turekela	Kameimunda	Kameimunda
33	Gudvela	Jamut	Tikripada	69	Turekela	Kandhei	Kandhei
34	Gudvela	Jamut	Tilkamal	70	Turekela	Kuibahal	Kuibahal
35	Gudvela	Medhekela	Likupada	71	Turekela	Mahakhand	Mahakhand
36	Gudvela	Nuapada	Kapsola				

### 14.3 List of Drinking Water Scarcity village

Sl No	Name of the Drinking Water Scarcity village	Population of the village	Name of the GP	Name of the Block
1	2	3	4	5
1	Deulgudi	1118	Gudvela	Gudvela
2	Sandhisara	435	Biramunda	Gudvela
3	Sirjapali	390	Tentelkhunti	Gudvela
4	Rusuda	1064	Rusuda	Gudvela
5	Samara	2263	Samara	Gudvela
6	Maddakla	906	Baddakla	Turekela
7	Damnichuan	326	Baddakla	Turekela
8	Gurlaudar	354	Baddakla	Turekela
9	Nagfena	362	Baddakla	Turekela
10	Tentelkhunti	252	Baddakla	Turekela
11	Chaulsukha	1672	Chaulsukha	Turekela
12	Bahabal	434	Dholmandal	Turekela
13	Bariali	425	Dholmandal	Turekela
14	Dhamandanga (Kadobasa)	1167	Dhamandanga	Turekela
15	Gadgadbahal	503	Ghunesh	Turekela
16	Kadobeda	554	Ghunesh	Turekela
17	Khujen	511	Ghunesh	Turekela
18	Dumerchuan	1083	Hial	Turekela
19	Hial	819	Hial	Turekela
20	Ramud	750	Jharni	Turekela
21	Routmunda	308	Jharni	Turekela
22	Rahenbhata	146	Kameimunda	Turekela
23	Andalpuri	453	Kameimunda	Turekela
24	Samarsingha	588	Kuibahal	Turekela

25	Semla	738	Kuibahal	Turekela
26	Kuibahal(Suripada)	945	Mahakhand	Turekela
27	Budhibahal	586	Tureikela	Turekela
28	Mahulbahali	613	Tureikela	Turekela
29	Turekela	1725	Tureikela	Turekela
30	Bakaguda	871	Alanda	Bangomunda
31	Alanda	1593	Alanda	Bangomunda
32	Barlabaghli	331	Baldha	Bangomunda
33	Bangomunda	5759	Bangomunda	Bangomunda
34	Gorirapadar	1771	Bangomunda	Bangomunda
35	Phuldelpadar	482	Belpada	Bangomunda
36	Bhuslad	1987	Bhuslad	Bangomunda
37	Palashkhand	1065	Bhuslad	Bangomunda
38	Gharla	423	Jamkhunta	Bangomunda
39	Jampada	624	Jamkhunta	Bangomunda
40	Bhanpur	437	Jhalap	Bangomunda
41	Mamian	1150	Jhalap	Bangomunda
42	Ashurla	914	Kapilabhata	Bangomunda
43	Nangalajuri	561	Kapilabhata	Bangomunda
44	Kansil	1049	Mundapadar	Bangomunda
45	Putupada	486	Sindhekela	Bangomunda
46	Bhatasar	352	Sindhekela	Bangomunda
47	Barkani	631	Gandharla	Bangomunda
48	Jharial	976	Jharial	Bangomunda
49	Gedabanji	382	Jhankarpali	Balangir
50	Chereimara	368	Jhankarpali	Balangir
51	Baxiudar	496	Mirdhapali	Balangir
52	Dhubaudar	513	Mirdhapali	Balangir
53	Khujenpali	2136	Khujenpali	Balangir
54	Kalsaipali	486	Khujenpali	Balangir
55	Dabkani	560	Khujenpali	Balangir

56	Narayanpur	228	Bhutiabahal	Balangir
57	Nunuadhipa	246	Bhutiabahal	Balangir
58	Jiratmal	616	Tusurabahal	Balangir
59	Bijamal	328	Gudighat	Muribahal
60	Karandabra	70	Gudighat	Muribahal
61	Suknipadar	65	Gudighat	Muribahal
62	Rahnisilet	120	Gudighat	Muribahal
63	Sahajpani	971	Dangarpada	Muribahal
64	Brahmani	1121	Lakhna	Muribahal
65	Khapadaro	357	Patrapali	Muribahal
66	Kharjuri	382	Badsaimara	Muribahal
67	Dhumamal	341	Badsaimara	Muribahal
68	Baghpada	180	Badsaimara	Muribahal
69	Chiknibahali	639	Malisira	Muribahal
70	Muribahal	2801	Muribahal	Muribahal
71	Kurebhana	822	Chhatapipal	Puintala
72	Lakhapali	617	Gaintala	Puintala
73	Brahmanipali	945	Gaintala	Puintala
74	Chandrapur	280	Malmunda	Puintala
75	Barandabahal	351	Patharla	Puintala
76	Kurelbahali	818	Ainlasari	Puintala
77	Luhurenepali	290	Patharla	Puintala
78	Ingsa	650	Agalpur	Agalpur
79	Agalpur	1120	Agalpur	Agalpur
80	Babufasad	1100	Babufasad	Agalpur
81	Babupali	630	Babufasad	Agalpur
82	Jharbandhli	720	Babufasad	Agalpur
83	Bharsuja	1270	Bharsuja	Agalpur
84	Pipilipali	520	Bharsuja	Agalpur
85	Darlipali	350	Bharsuja	Agalpur
86	Gandapali	320	Bharsuja	Agalpur

87	Jamapali	310	Bharsuja	Agalpur
88	Badtika	1070	Badtika	Agalpur
89	Sahajchhapar	950	Badtika	Agalpur
90	Burobhadi	870	Badtika	Agalpur
91	Keseipali	1050	Duduka	Agalpur
92	Kudadera	970	Duduka	Agalpur
93	Luhuramunda	850	Duduka	Agalpur
94	Sankhua	770	Duduka	Agalpur
95	Fasad	650	Duduka	Agalpur
96	Semeimunda	620	Kutasingha	Agalpur
97	Dunguripali	720	Kutasingha	Agalpur
98	Pandesara	630	Nuniapali	Agalpur
99	Jhankarpali	830	Nuniapali	Agalpur
100	Amaramunda	870	Nuniapali	Agalpur
101	Khuntulimunda	690	Patuapali	Agalpur
102	Roth	1250	Roth	Agalpur
103	Mursundhi	1170	Salebhata	Agalpur
104	Kalasar	970	Uperbahal	Agalpur
105	Tekasar	750	Uperbahal	Agalpur
106	Mahakurpali	830	Uperbahal	Agalpur
107	Bhalupali	690	Uperbahal	Agalpur
108	Podhpali	570	Jharnipali	Agalpur
109	Pandkital	550	Jharnipali	Agalpur
110	Bhaliamunda	750	Badibahal	Loisingha
111	Bhalupali	620	Badibahal	Loisingha
112	Babja	770	Banipali	Loisingha
113	Tabalbanji	750	Banipali	Loisingha
114	Ghusuramunda	700	Budhipadar	Loisingha
115	Negipali	670	Burda	Loisingha
116	Banjipali	850	Burda	Loisingha
117	Sailabahal	870	Burda	Loisingha

118	Bijapati	770	G.S.Dunguripali	Loisingha
119	Gerda	650	G.S.Dunguripali	Loisingha
120	Maliapadar	710	Hirapur	Loisingha
121	Sarsamunda	950	Hirapur	Loisingha
122	Mansapali	1020	Jharmunda	Loisingha
123	Pardhiapali	870	Jharmunda	Loisingha
124	Maharpali	790	Jugisarda	Loisingha
125	Chhelbahal	670	Jugisarda	Loisingha
126	Kusang	1560	Kusang	Loisingha
127	Latsar	870	Kusang	Loisingha
128	Jamutia	780	Kusmel	Loisingha
129	Ghungi	710	Kusmel	Loisingha
130	Budelbahali	850	Kutenpali	Loisingha
131	Dholmahul	790	Loisingha	Loisingha
132	Antapali	730	Rengali	Loisingha
133	Baddunguri	650	Rengali	Loisingha
134	Budabahal	710	Rengali	Loisingha
135	Kapilabhata	820	Rengali	Loisingha
136	Kumiapali	730	Rengali	Loisingha
137	Singhanimunda	1010	Sargarh	Loisingha
138	Thakurpali	1210	Sargarh	Loisingha
139	Bagdia	890	Taliudar	Loisingha
140	Buromunda	810	Taliudar	Loisingha
141	Goelmara	266	Mundamahul	Patnagarh
142	Mundamahul	178	Mundamahul	Patnagarh
143	Podhchhapar (Gaudapali)	425	Kendumundi	Patnagarh
144	Fudukupada	116	Kendumundi	Patnagarh
145	Bagalabandha	542	Kendumundi	Patnagarh
146	Podhchhapar (Jagepali)	72	Kendumundi	Patnagarh
147	Kendumundi	132	Kendumundi	Patnagarh

148	Maghamara	198	Kendumundi	Patnagarh
149	Babejuri	477	Salepali	Patnagarh
150	Turlamal	191	Salepali	Patnagarh
151	Sankalangapali	741	Bhainsa	Patnagarh
152	Bileisathi	701	Batharla	Patnagarh
153	Ganjaudar	1088	Maruan	Patnagarh
154	Pandaripani	199	Maruan	Patnagarh
155	Jhulenbar	540	Maruan	Patnagarh
156	Jalpali	242	Tamian	Patnagarh
157	Bagbahali	371	Tamian	Patnagarh
158	Bhatapali	430	Tamian	Patnagarh
159	Damkipali (Gountia pada)	211	Dangabahal	Patnagarh
160	Gavara	154	Dangabahal	Patnagarh
161	Khuripani	318	Larambha	Patnagarh
162	Indupur (Colony Pada)	375	Larambha	Patnagarh
163	Burdabahal	429	Larambha	Patnagarh
164	Sarmuhan (Buropada)	435	Ulba	Patnagarh
165	Diadumer	594	Sunamudi	Patnagarh
166	Neh nabondha	540	Jogimunda	Patnagarh
167	Bharuamunda (Kubahal)	288	Bender	Khaprakhol
168	Pingalmunda (Dungripada)	213	Ghansar	Khaprakhol
169	Jhalbahal	425	Ghansar	Khaprakhol
170	Sanbanjipali	265	Ghansar	Khaprakhol
171	Baduden(Dungripali)	542	Dameipali	Khaprakhol
172	Matiabhata	155	Matiabhata	Khaprakhol
173	Putulamahala	132	Matiabhata	Khaprakhol
174	Lahadungri	196	Rengali	Khaprakhol

175	Khaprakhol(Podamunda)	453	Khaprakhol	Khaprakhol
176	Tengrapathar	191	Luhasingha	Khaprakhol
177	Lathor(Talpada)	564	Lathor	Khaprakhol
178	Sangurjibhata	432	Karuanjhar	Khaprakhol
179	Patrapali(Dharaniamal)	326	Tankapani	Khaprakhol
180	Deogaon	2138	Deogaon	Deogaon
181	Kacharpali	2868	Deogaon	Deogaon
182	Naikensilet	1207	Kuturla	Deogaon
183	Raipali	518	Gaibahal	Deogaon
184	Mursingh	2257	Kuturla	Deogaon
185	Dungriguda	237	Adabahal	Titilagarh
186	Silanda	1457	Adabahal	Titilagarh
187	Burdipada	2552	Bandupala	Titilagarh
188	Charbhata	624	Bandupala	Titilagarh
189	Katarkela	3087	Katarkela	Titilagarh
190	Kumudipadar	1061	Katarkela	Titilagarh
191	Laitara	1018	Katarkela	Titilagarh
192	Pendrapadar	959	Katarkela	Titilagarh
193	Nilagiripada	1193	Banjipadar	Titilagarh
194	Bagdor	869	Bhalegaon	Titilagarh
195	Dangapata	906	Bhalegaon	Titilagarh
196	Chandutara	172	Bijepur	Titilagarh
197	Chormara	1165	Bijepur	Titilagarh
198	Limpara	206	Bijepur	Titilagarh
199	Salebhata	253	Binekela	Titilagarh
200	Sirekela	1613	Binekela	Titilagarh
201	Timanbhadi,saledigri	1375	Binekela	Titilagarh
202	Sanbadhpada,Nuapada	2344	Digsira	Titilagarh
203	Gendulipara	1749	Digsira	Titilagarh
204	Ghantbahali	2598	Ghantabahali	Titilagarh

205	Kapsibhata	1112	Ghantabahali	Titilagarh
206	Antarla	1572	Ghodar	Titilagarh
207	Bhatipada	637	Jagua	Titilagarh
208	Satighat	1044	Jagua	Titilagarh
209	Brahmanipada	1120	Kholan	Titilagarh
210	Jampada	727	Kholan	Titilagarh
211	Patharla	2083	Kholan	Titilagarh
212	Sialijhdung	320	Kholan	Titilagarh
213	Tankrupada	790	Kholan	Titilagarh
214	Pipalpadar	1394	Kursud	Titilagarh
215	Turukbhata	843	Kursud	Titilagarh
216	Majhipada	3955	Luthurbandh	Titilagarh
217	Pudapadar	801	Luthurbandh	Titilagarh
218	Sargunamunda	798	Luthurbandh	Titilagarh
219	Belpadar	1401	Marlad	Titilagarh
220	Kanarla	955	Marlad	Titilagarh
221	Lesunbahali	753	Marlad	Titilagarh
222	Marlad	1936	Marlad	Titilagarh
223	Sanpatrapali	1897	Naren	Titilagarh
224	Diaton	1725	Parasara	Titilagarh
225	Kurlubhata	997	Parasara	Titilagarh
226	Beherabhata	413	Surda	Titilagarh
227	Mahagaon	1438	Surda	Titilagarh
228	Kadopada	2355	Surda	Titilagarh
229	Bachhajujha	858	Sihini	Titilagarh
230	Chitarol	484	Sihini	Titilagarh
231	Kumuda	1701	Sihini	Titilagarh
232	Burabandh	974	Siluan	Titilagarh
233	Siluan	2024	Siluan	Titilagarh
234	Khairmal		Bahabal	Belpara
235	Sagunbhadi,Bhoipada		Bharuapali	Belpara

236	Belpada		Belpada	Belpara
237	Madhyapur		Madhyapur	Belpara
238	Matikhal		Gambhari	Belpara
239	Kindrital		Gambhari	Belpara
240	Gambhari		Gambhari	Belpara
241	Bagdor,Tangarpada		Bagdor	Belpara
242	Ainlabhata		Sarmuhan	Belpara
243	Badbhadi,Radbahal		Mandal	Belpara
244	Kapani		Kapani	Belpara
245	Malijhar		Kapani	Belpara
246	Patrapali		Kapani	Belpara
247	Swadhinpada	338	Belgaon	Saintala
248	Siletpada	576	Belgaon	Saintala
249	Nuabasti	419	Dharapgarh	Saintala
250	Pendramal	911	Dharapgarh	Saintala
251	Harijanpada	453	Gandpatrapali	Saintala
252	DukerChachara	471	Jurabandh	Saintala
253	Guduramunda	514	Jurabandh	Saintala
254	Karamlaga	1629	Kuikeda	Saintala
255	Sikapatrapali	298	Kuikeda	Saintala
256	Pitamahul	818	Saintala	Saintala
257	Tikrapada	3094	Tikrapada	Saintala

#### 14.4 Lightning affected villages

Year	District	Village	Block /Tahasil / Police Station	Year	District	Village	Block /Tahasil / Police Station
2011	Bolangir	Bakti	Agalpur	2015	Bolangir	Samara	Gudvela
2015	Bolangir	Bendra	Agalpur	2007	Bolangir	Sirabahal	Gudvela
2016	Bolangir	Rogh	Agalpur	2007	Bolangir	Zuhakhan	Gudvela
2014	Bolangir	Bakagura	Bangomunda	2011	Bolangir	Beherensilet	Turekela
2015	Bolangir	Balbeng	Bangomunda	2007	Bolangir	Gargarhbahal	Turekela
2014	Bolangir	Belpada	Bangomunda	2013	Bolangir	Karuamunda	Turekela
2013	Bolangir	Bhoipada	Bangomunda	2014	Bolangir	Kukudahad	Turekela
2016	Bolangir	Bhuslad	Bangomunda	2013	Bolangir	Ankamara	Khaparakhhol
2013	Bolangir	Jhinkidapada	Bangomunda	2013	Bolangir		Khaparakhhol
2016	Bolangir	Kurlubhata	Bangomunda	2011	Bolangir	Bender	Khaparakhhol
2013	Bolangir	Lukapada	Bangomunda	2014	Bolangir	Bharuamunda	Khaparakhhol
2016	Bolangir	Sanmula	Bangomunda	2007	Bolangir	Dhanomunda	Khaparakhhol
2015	Bolangir	Shundhimunda	Bangomunda	2013	Bolangir	Godbhaga	Khaparakhhol
2011	Bolangir	Sindhekela	Bangomunda	2016	Bolangir	Buromunda	Loisingha
2016	Bolangir	Bagudar	Belpara	2012	Bolangir	Kandajuri	Loisingha
2011	Bolangir	Bangomundabahal	Belpara	2012	Bolangir	Pandkital	Loisingha
2008	Bolangir	Bhuliabandha	Belpara	2012	Bolangir	Salevata	Loisingha
2013	Bolangir	Chikili	Belpara	2011	Bolangir	Bhoipada	Muribahal
2008	Bolangir	Radbahal	Belpara	2015	Bolangir	Gadgadbahal	Muribahal
2007	Bolangir	Uding	Belpara	2014	Bolangir	Malpada	Muribahal
2013	Bolangir		Belpara	2006	Bolangir	Baliaghat	Patnagarh
2016	Bolangir	Barapudgia	Bolangir	2016	Bolangir	Bhalupita	Patnagarh
2016	Bolangir		Bolangir	2011	Bolangir	Kemdumundi	Patnagarh
2013	Bolangir	Barpita	Bolangir	2014	Bolangir	Khageswar	Patnagarh
2013	Bolangir		Bolangir	2011	Bolangir	Larambha	Patnagarh

2013	Bolangir	Bilaisarada	Bolangir	2007	Bolangir	Madhyapur	Patnagarh
2008	Bolangir	Bramhmpara	Bolangir	2007	Bolangir	Madhypur	Patnagarh
2008	Bolangir	Chhatapipal	Bolangir	2011	Bolangir	Patnagarh	Patnagarh
2007	Bolangir	Kangaon	Bolangir	2014	Bolangir		Patnagarh
2013	Bolangir	Karlapita	Bolangir	2009	Bolangir	Solabandh	Patnagarh
2015	Bolangir		Bolangir	2008	Bolangir	Solband	Patnagarh
2014	Bolangir	Kutumdola	Bolangir	2015	Bolangir	Brahmnipali	Puintala
2014	Bolangir	Maruan	Bolangir	2006	Bolangir	Ghunsar	Saintala
2014	Bolangir	Maruan	Bolangir	2014	Bolangir	Ichchapada	Saintala
2012	Bolangir	Pipirda	Bolangir	2008	Bolangir	Khasbahal	Saintala
2007	Bolangir	Singhanimunda	Bolangir	2016	Bolangir		Saintala
2007	Bolangir	Sudpara	Bolangir	2013	Bolangir	Bankel	Titilagarh
2012	Bolangir	Tikrapada	Bolangir	2007	Bolangir	Chilhuda	Titilagarh
2015	Bolangir	Barakuna	Deogaon	2013	Bolangir	Dangarpada	Titilagarh
2016	Bolangir	Dahimal	Deogaon	2008	Bolangir	Debandhapada	Titilagarh
2013	Bolangir	Khairagura	Deogaon	2014	Bolangir	Gulmi	Titilagarh
2016	Bolangir	Siletkani	Deogaon	2011	Bolangir	Gurjibhata	Titilagarh
2015	Bolangir	Telebali	Deogaon	2007	Bolangir	Siluar	Titilagarh
2007	Bolangir	Antavla	Gudvela	2007	Bolangir		Titilagarh
2016	Bolangir	Bagbahali	Gudvela	2011	Bolangir	Sindhekela	Titilagarh
2007	Bolangir	Budelguma	Gudvela	2015	Bolangir	Mahulpati	Turekela
2013	Bolangir	Dangarpada	Gudvela	2011	Bolangir	Mandala	Turekela
2009	Bolangir	Dungibahal	Gudvela	2015	Bolangir	Nagfena	Turekela
2016	Bolangir	Gudvela	Gudvela	2011	Bolangir	Rautmunda	Turekela

## **Drought Affected Villages of Balangir District (2018-19)**

SI No	Name of the Block	SI No	Name of Gramp anchay at	Name of the Village	SI. No	Name of the ULB	SI. No	Name of the Ward	(Area in Hactor) as reported earlier as on 31.10.2018 (already notified vide notification No.8537 Dated 31.10.18 )			Additional area of Damage in Hactor submitted now			Gross Damage (Area in Hactor)		
									Sown area with damage between 33% and 50% to crops	Sown area with damage above 50% to crops	Total sown area with damage of 33% and above	Sown area with damage between 33% and 50% to crops	Sown area with damage above 50% to crops	Total sown area with damage of 33% and above	Sown area with damage between 33% and 50% to crops	Sown area with damage above 50% to crops	Total sown area with damage of 33% and above
1	AGALPUR	1	DUDUKA	DUDUKA					0	0	0	2	3	5	2	3	5
				RAMPUR					0.5	1	1.5	0.5	1	1.5	1	2	3
				KESEIPALI					0	0	0	2	3	5	2	3	5
		2	LUHURAMUNDA	LUHURAMUNDA					0	0	0	2	3	5	2	3	5
				MANUPALI					0	0	0	3	5	8	3	5	8
				FASAD					0	0	0	2	3	5	2	3	5
				SANKHUA					0	0	0	4	6	10	4	6	10
				RAPHAKHAL					1	0	1	2	2	4	3	2	5
		3	SALEBHATA	SALEBHATA					0	0	0	2	3	5	2	3	5
				KHALIAPALI					1	0	1	3	6	9	4	6	10
		4	MURSU NDHI	HARBHANGA					1	0	1	2	5	7	3	5	8
				MURSU NDHI					0	0	0	4	6	10	4	6	10
		5	KUTASINGHA	KUTASINGHA					1	1	2	2	3	5	3	4	7
				DUNGU					1	0	1	1	3	4	2	3	5

				RIPALI													
				SEMEL MUNDA					1	0	1	2	4	6	3	4	7
				TENTULI GAON					1	0	1	2	4	6	3	4	7
		6	PATUAP ALI	PATUAP ALI					1	0	1	0	2	2	1	2	3
				PANDRI DUNGU RI					1	1	2	2	3	5	3	4	7
				DUMBE RPALI					1	0	1	1	3	4	2	3	5
				KHUNT ULIMUN DA					1	0	1	2	4	6	3	4	7
		7	BAKTI	BAKTI					1	0	1	3	7	10	4	7	11
				BADKHA LIAPALI					0	0	0	3	5	8	3	5	8
				BANGAB AHAL					0	0	0	5	7	12	5	7	12
				ASURM UNDA					0	0	0	4	6	10	4	6	10
		8	BENDRA	BENDRA					1	0	1	0	8	8	1	8	9
				DANIPI LI					0	0	0	6	9	15	6	9	15
				DHAUN RADADA R					0	0	0	3	4	7	3	4	7
				JHARBA NDHLI					0	0	0	8	0	8	8	0	8
				RAMPU R					0	0	0	6	0	6	6	0	6
		9	NAGAON -B	NAGAO N-B					1	0	1	8	11	19	9	11	20
				SANTIKA					0	0	0	5	6	11	5	6	11
				TENTULI KHUNTI					0	0	0	3	5	8	3	5	8
		10	BADATIK A	BADATI KA					0	0	0	6	9	15	6	9	15
				SAHAJC HHAPAR					1	0	1	6	7	13	7	7	14

				BUROB HADI					1	0	1	7	8	15	8	8	16
				KARKAC HIA					0.5	1	1.5	6.5	7	13.5	7	8	15
				LARAMB HAMUN DA					1	0	1	5	9	14	6	9	15
		11	JHARNIP ALI	JHARNIP ALI					1	0	1	6	7	13	7	7	14
				PATHAR MUNDA					1	0	1	5	8	13	6	8	14
				PODHPA LI					1	0	1	4	6	10	5	6	11
				ADEND UNGURI					0	0	0	7	8	15	7	8	15
				KUDOPA LI					1	0	1	5	6	11	6	6	12
				PANDKI TAL					1	0	1	6	7	13	7	7	14
				KENDU MUNDI					1	0	1	7	0	7	8	0	8
				SALEDU NGRI					1	0	1	8	0	8	9	0	9
				AMJHAR AN					1	0	1	4	6	10	5	6	11
				CHUNGI DADAR					1	0	1	3	5	8	4	5	9
		12	NUNIAP ALI	PANDES ARA					1	0	1	4	6	10	5	6	11
				JHANKA RPALI					0	0	0	3	4	7	3	4	7
				AMARA MUNDA					0	0	0	4	5	9	4	5	9
				KHALIAP ALI					0	0	0	4	5	9	4	5	9
				LAKHAN PALI					0	0	0	3	4	7	3	4	7
				SARDHA PALI					0	0	0	4	5	9	4	5	9
				NUNIAP ALI					0	0	0	8	1	9	8	1	9
		13	BHARSUJ A	BHARSU JA					1	1	2	6	7	13	7	8	15

				GANDA PALI					0	0	0	6	9	15	6	9	15
				DARLIPA LI					0	0	0	4	5	9	4	5	9
				GUHIRA PADAR					1	0.5	1.5	5	7.5	12.5	6	8	14
				BINDHA PALI					1	0	1	1	3	4	2	3	5
				MANUP ALI					0	0	0	1	1	2	1	1	2
				JEMAPA LI					0	0	0	3	4	7	3	4	7
				SANSA					0	0	0	6	9	15	6	9	15
				GUNDR UMUND A					0	0	0	5	6	11	5	6	11
				BADIPAL I					0	0	0	3	4	7	3	4	7
		14	ROTH	ROTH					0	0	0	5	6	11	5	6	11
				CHHELK HAI					1	0	1	1	3	4	2	3	5
		15	UPARBA HAL	UPARBA HAL					1	0	1	4	6	10	5	6	11
				PHATA MUNDA					0	0	0	4	7	11	4	7	11
				MAHUL PALI					0	0	0	2	3	5	2	3	5
				NUAPAL I					0	0	0	1	2	3	1	2	3
				KALASA R					0	0	0	2	3	5	2	3	5
				BHALUP ALI					0	0	0	2	3	5	2	3	5
		16	AGALPU R	AGALPU R					0	0	0	7	9	16	7	9	16
				INGSA					1	0.5	1.5	7	10.5	17.5	8	11	19
				GUDIM UNDA					1	0	1	2	4	6	3	4	7
		17	RINBACH AN	RINBAC HAN					0	0	0	7	8	15	7	8	15
				BAGJHU LA					0	0	0	2	2	4	2	2	4

				BANDAB AHAL					1	0	1	3	5	8	4	5	9
				UCHBA HAL					0	0	0	6	9	15	6	9	15
		18	BUDULA	BUDULA					19	1	20	0	5	5	19	6	25
				PUDAPA DAR					10	0	10	0	3	3	10	3	13
				BHOIPA LI					18	0	18	0	0	0	18	0	18
				RENGAL I					14	1	15	0	5	5	14	6	20
				BUROM UNDA					12	0	12	0	1	1	12	1	13
				MAHAK HAND					8	16	24	0	0	0	8	16	24
				GUHIRA MUNDA					10	14	24	0	0	0	10	14	24
				DENGJU RI					17	0	17	0	0	0	17	0	17
		19	BABUFA SAD	BABUFA SAD					0	0	0	11	0	11	11	0	11
				GHUCH EPALI					0	0	0	8	0	8	8	0	8
				LATSAR					1	0	1	4	0	4	5	0	5
				BANJIPA LI					0	0	0	7	0	7	7	0	7
				BABUPA LI					0	0	0	15	1	16	15	1	16
				JHARBA NDHLI					0	0	0	5	6	11	5	6	11
		20	NAGAON -A	GANDA PALI					20	1	21	0	0	0	20	1	21
				HALDIP ADAR					18	8	26	0	0	0	18	8	26
				NAGAO N-A					19	5	24	0	1	1	19	6	25
				AINLAP ALI					20	1	21	0	0	0	20	1	21
				BAIGAN KHARI					21	15	36	0	0	0	21	15	36
				DUDUK AMUND					16	0	16	0	0	0	16	0	16

				A													
				TELENP ALI					17	0	17	0	0	0	17	0	17
				KANTHI PALI					14	0	14	0	1	1	14	1	15
				MUNDA PALI					12	0	12	0	13	13	12	13	25
<b>Agalpur Block Total</b>									<b>302</b>	<b>68</b>	<b>370</b>	<b>355</b>	<b>435</b>	<b>790</b>	<b>657</b>	<b>503</b>	<b>1160</b>
2	LOI SIN GH A	1	LOISING HA	LOISING HA					0	10	10	31	0	31	31	10	41
				KARLIPA T					0	2	2	8	0	8	8	2	10
				DHOLM AHUL					0	3	3	5	0	5	5	3	8
				SUJIA					7	0	7	15	0	15	22	0	22
		2	HIRAPUR	HIRAPU R					7	0	7	34	0	34	41	0	41
				BARDOL					0	1	1	15	0	15	15	1	16
				TEVADU NGURI					0	2	2	10	0	10	10	2	12
				SEMEL MUNDA					0	5	5	5	0	5	5	5	10
				GOPALP UR					3	0	3	7	0	7	10	0	10
				KHARM UNDA					1	0	1	4	0	4	5	0	5
				MANDIA PADAR					1	0	1	17	0	17	18	0	18
				PANESA RA					1	0	1	19	0	19	20	0	20
				SARASM UNDA					1	0	1	3	0	3	4	0	4
		3	BURDA	BURDA					0	11	11	50	3	53	50	14	64
				BANJIPA LI					5	0	5	10	0	10	15	0	15
				SIALBAH ALI					7	0	7	0	0	0	7	0	7
		4	BUDHIP	BUDHIP					0	3	3	47	0	47	47	3	50

			ADAR	ADAR													
				LUHURA PALI					0	2	2	15	0	15	15	2	17
				PIPILIPA LI					0	1	1	27	0	27	27	1	28
				NEGIPAL I					3	0	3	20	0	20	23	0	23
				SALTAR PALI					0	4	4	5	0	5	5	4	9
				GHUSU RAMUN DA					10	0	10	10	0	10	20	0	20
		5	JOGISAR DA	JOGISAR DA					0	8	8	31	0	31	31	8	39
				GURJIB HATA					4	0	4	12	0	12	16	0	16
				KEUTIPA LI					3	0	3	10	0	10	13	0	13
				CHHEL B AHAL					4	0	4	16	0	16	20	0	20
				MAHAR PALI					3	0	3	2	0	2	5	0	5
		6	BADIBAH AL	BADIBA HAL					0	10	10	40	0	40	40	10	50
				AGALAP ALI					9	0	9	15	0	15	24	0	24
				BHALIA MUNDA					0	1	1	15	0	15	15	1	16
				BHALUP ALI					0	1	1	10	0	10	10	1	11
				KADALIP ALI					0	1	1	10	0	10	10	1	11
		7	KUTENP ALI	KUTENP ALI					5	0	5	25	0	25	30	0	30
				PANDAR ANI					0	11	11	32	0	32	32	11	43
				DUMDU MI					0	4	4	9	0	9	9	4	13
				BUDEL B AHALI					0	3	3	20	0	20	20	3	23
		8	KANDAJ URI	KANDAJ URI					0	7	7	52	0	52	52	7	59

				TENTULI KHUNTI					9	0	9	30	0	30	39	0	39
				KHAIRP ALI					0	2	2	31	0	31	31	2	33
				PHATA MUNDA					5	0	5	22	0	22	27	0	27
		9	JHARAM UNDA	JHARMA UNDA					0	10	10	47	0	47	47	10	57
				MANSA PALI					0	1	1	10	0	10	10	1	11
				AMBAP ALI					10	0	10	0	0	0	10	0	10
				LUCHKIB AHAL					0	1	1	25	0	25	25	1	26
				PARDHI APALI					0	1	1	17	0	17	17	1	18
		10	BADIMU NDA	BADIMU NDA					7	0	7	15	0	15	22	0	22
				MAHAR PALI					6	0	6	9	0	9	15	0	15
				BIRKEL					0	1	1	35	0	35	35	1	36
				KUTURA PALI					0	8	8	28	0	28	28	8	36
				SUNARI PALI					0	1	1	4	0	4	4	1	5
		11	SARGAD	SARGAD					0	14	14	51	0	51	51	14	65
				SINGHA NIMUN DA					6	0	6	24	0	24	30	0	30
				THAKUR PALI					3	0	3	11	0	11	14	0	14
		12	KUSANG	KUSANG					12	0	12	60	0	60	72	0	72
				PIPILI					4	0	4	30	0	30	34	0	34
				BANJARI					1	0	1	23	0	23	24	0	24
				LATSAR					5	0	5	10	0	10	15	0	15
				BHADRA					1	0	1	21	0	21	22	0	22
		13	TALIUDA R	TALIUD AR					7	1	8	23	0	23	30	1	31
				UPARUD AR					5	0	5	16	0	16	21	0	21

				BUROM UNDA					5	0	5	20	0	20	25	0	25
				BAGDIA					4	0	4	11	0	11	15	0	15
				CHHATA BAHAL					1	0	1	17	0	17	18	0	18
		14	KUSMEL	KUSMEL					0	10	10	50	0	50	50	10	60
				PHATAB AHAL					8	0	8	32	0	32	40	0	40
				JAMUTI A					0	1	1	10	0	10	10	1	11
				KATAPA LI					0	1	1	15	0	15	15	1	16
				BRAHA MANIPA LI					0	1	1	19	0	19	19	1	20
				KHALIAP ALI					0	1	1	22	0	22	22	1	23
				LANKAB AHAL					5	0	5	25	0	25	30	0	30
				GHUNGI					0	1	1	20	0	20	20	1	21
		15	G.S.DUN GURIPAL I	G.S.DUN GRURIP ALI					13	0	13	28	0	28	41	0	41
				GERDI					5	0	5	24	0	24	29	0	29
				RANIPAL I					1	0	1	19	0	19	20	0	20
				BANCH HORPAL I					3	0	3	17	0	17	20	0	20
				BIJAPATI					1	0	1	14	0	14	15	0	15
		16	RENGALI	RENGAL I					6	0	6	29	0	29	35	0	35
				KAPILBA HAL					7	0	7	13	0	13	20	0	20
				KUMIAP ALI					7	0	7	23	0	23	30	0	30
				PODHM UNDA					1	0	1	19	0	19	20	0	20
				ANTAPA LI					4	0	4	18	0	18	22	0	22
				BAGHD					1	0	1	14	0	14	15	0	15

				UNGURI													
				BUDABA HAL					1	0	1	7	0	7	8	0	8
		17	UPARBA HAL	UPARBA HAL					1	0	1	39	0	39	40	0	40
				BHOIPA LI					1	0	1	19	0	19	20	0	20
				RAGHUP ADAR					7	0	7	19	0	19	26	0	26
				SADHUP ALI					6	0	6	11	0	11	17	0	17
				JAMJURI					1	0	1	6	0	6	7	0	7
				SANJHA NKARPA LI					5	0	5	5	0	5	10	0	10
				BARKAN I					1	0	1	10	0	10	11	0	11
				UCHHBP ALI					1	0	1	24	0	24	25	0	25
		18	RATAKH ANDI	RATAKH ANDI					5	0	5	21	0	21	26	0	26
				PHALSA MAL					7	0	7	10	0	10	17	0	17
				TALJURI					9	0	9	22	0	22	31	0	31
				DUMERJ HARAN					1	0	1	12	0	12	13	0	13
				RABANG UDA					1	0	1	4	0	4	5	0	5
		19	BANIPAL I	BANIPAL I					9	0	9	32	0	32	41	0	41
				BABJA					8	0	8	11	0	11	19	0	19
				BEARPA LI					1	0	1	14	0	14	15	0	15
				BADIPAL I					1	0	1	14	0	14	15	0	15
				DANDA PANI					1	0	1	15	0	15	16	0	16
				TABALB ANJI					2	0	2	8	0	8	10	0	10
				BELPALI					1	0	1	14	0	14	15	0	15
		20	MAGUR	MAGUR					6	0	6	29	0	29	35	0	35

			BEDA	BEDA													
				PATHAR KHANDI					7	0	7	11	0	11	18	0	18
				BRAHA MANID UNGURI					8	0	8	12	0	12	20	0	20
				PARDHI APALI					2	0	2	0	0	0	2	0	2
<b>Loisingha Block Total</b>									<b>320</b>	<b>145</b>	<b>465</b>	<b>2026</b>	<b>3</b>	<b>2029</b>	<b>2346</b>	<b>148</b>	<b>2494</b>
3	DE OG AO N	1	Deogao n	DEOG AON					1	0							
				KACHH ARPAL I					1	0							
		2	Udar	UDAR					2	1	3	18	1	19	20	2	22
				BRAH MANIP ALI					1	1							
				BABIJ OR							2	12	1	13	13	2	15
				JALIA					1	1	2	10	2	12	11	3	14
				BANJIP ALI					2	1	3	13	0	13	15	1	16
				SIRAB AHAL					1	1	2	17	0	17	18	1	19
				PADA MPUR					1	1	2	11	4	15	12	5	17
				MAHA MADP UR					1	1							
											2	14	2	16	15	3	18
				KHARS ELDUN GURI					1	1							
											2	9	1	10	10	2	12
				LUHUR ENPAL I					1	1							
											2	14	1	15	15	2	17
		3	Hatisara	HATIS ARA					1	1	2	27	1	28	28	2	30
				NAIKE NSIRA					1	1							
											2	36	2	38	37	3	40

		4	Kuturla	KUTURLA					1	1	2	26	1	27	27	2	29
				MURSI NGH					1	1	2	36	2	38	37	3	40
				SARAS BAHAL					1	0	1	19	5	24	20	5	25
				BAHAL I					1	1	2	26	2	28	27	3	30
		5	Gaibahal	GAIBAH HAL					1	0	1	22	2	24	23	2	25
				ARDA					1	0	1	46	3	49	47	3	50
	Deo gaon			GADD WAR					1	1	2	14	1	15	15	2	17
				JURLA KANI					1	0	1	12	2	14	13	2	15
				RATAN PUR					1	1	2	26	2	28	27	3	30
				GHUC HIPALI					1	0	1	17	0	17	18	0	18
				RAIPA LI					1	0	1	23	1	24	24	1	25
				SAGAR PALI					1	0	1	23	1	24	24	1	25
		6	Bandhapda	BANDH APADA					4	1	5	43	9	52	47	10	57
				TEPER EN					5	1	6	50	17	67	55	18	73
				CHHAT APIPAL					5	1	6	15	3	18	20	4	24
				BUDAB AHAL					4	1	5	23	2	25	27	3	30
				GHATU LDUNG ARI					1	1	2	35	3	38	36	4	40
		7	Singhamunda	SINGH AMUN DA					4	1	5	28	2	30	32	3	35
				KHALI APALI					3	1	4	32	2	34	35	3	38
				AMGH AT					3	1	4	27	1	28	30	2	32
				LAXMA NPUR					4	1	5	34	5	39	38	6	44

				GHATU L					3	1	4	18	5	23	21	6	27
				BANKI AMUN DA					1	1							
											2	32	5	37	33	6	39
		8	Brahma nijore	BRAM HANIJ OR					15	0	15	41	7	48	56	7	63
				SIALJO R					5	0	5	18	3	21	23	3	26
				SANDH IJOR					6	0	6	51	5	56	57	5	62
				TALPA LI					3	1	4	29	3	32	32	4	36
		9	R.Ch.P ur	RAMC HAND RAPUR					11	8	19	41	0	41	52	8	60
				GOILPI TA					1	1	2	53	4	57	54	5	59
				LUHAK HAN					1	1	2	41	4	45	42	5	47
				MATUP ALI					1	1	2	24	5	29	25	6	31
				PARUA BHADI					2	1	3	34	3	37	36	4	40
	Deo gao n			BAIRA GIPALI					8	1							
											9	0	0	0	8	1	9
				TANGU RPADA R					2	1							
											3	26	1	27	28	2	30
		10	Dumerp ita	DUME RPITA					3	1	4	32	7	39	35	8	43
				SATIG HAT					1	1	2	30	2	32	31	3	34
				CHIPA KANI					2	1	3	26	5	31	28	6	34
				PILATI MAHUL					1	1	2	25	2	27	26	3	29
				SUNAR IJOR					1	1	2	22	4	26	23	5	28
		11	Desand h	DESAN D					2	1	3	54	5	59	56	6	62
				GAMB HARIM					2	1	3	35	1	36	37	2	39

				AL													
				BHALU KUND					3	1	4	26	2	28	29	3	32
				KUBRI MAHUL					3	1	4	29	3	32	32	4	36
				BARG HATI					1	1	2	33	2	35	34	3	37
		12	Jarasin gha	JARASI NGHA					1	0	1	16	3	19	17	3	20
				BARKA NI					1	1	2	14	1	15	15	2	17
				CHAN DRAPU R					1	0	1	13	1	14	14	1	15
		13	Salepali	SALEP ALI					1	0	1	19	2	21	20	2	22
				BADAD UNGU RIPALI					1	0	1	16	1	17	17	1	18
				KULIA BAHAL					1	1	2	21	0	21	22	1	23
		14	Mahalei	MAHAL EI					2	1	3	7	0	7	9	1	10
				PANDA L					1	1	2	37	1	38	38	2	40
				KUKUR AKHAI					1	1	2	5	0	5	6	1	7
				BALAR PALI					1	1	2	4	2	6	5	3	8
				SARGI PALI					1	0	1	1	0	1	2	0	2
				BUDEL GUMA					2	1	3	11	1	12	13	2	15
	Deo gao n			BAGAD A					1	1	2	46	2	48	47	3	50
				KATAP ALI					2	0	2	0	0	0	2	0	2
		15	Uparjha r	UPARJ HAR					2	0	2	26	3	29	28	3	31
				NUAPA LI					2	0	2	15	3	18	17	3	20
				KUHIM UNDA					1	1	2	0	0	0	1	1	2

				PHATA MUND A					2	1							
				RANG ALI					2	1	3	25	1	26	27	2	29
				BARIH AMUN DA					1	1	3	3	0	3	5	1	6
				MAKU NDAPU R					1	1	2	2	0	2	3	1	4
		16	Makund pur	JAMJH ARAN					1	1	2	10	0	10	11	1	12
				HIRLIM AL					1	1	2	11	3	14	12	4	16
				TELPA LI					1	1	2	4	1	5	5	2	7
				PURNA PANI					1	1	2	10	0	10	11	1	12
				BHIMD UNGA RI					1	1	2	12	3	15	13	4	17
				RUGA DIPALI					1	1	2	10	1	11	11	2	13
				BANDH APALI					1	1	2	21	2	23	22	3	25
				THALB ANDHA					1	1	2	8	2	10	9	3	12
				Bagdol					1	1	2	6	0	6	7	1	8
				ARJUN PUR					1	1	2	0	0	0	1	1	2
		17	Arjunpu r	BRAM HNIPA LA					3	1	4	7	1	8	10	2	12
				MADH UPUR					1	1	2	5	0	5	6	1	7
				AINLA PALI					1	1	2	4	0	4	5	1	6
				FALSA PADAR					3	1	4	3	1	4	6	2	8
				KULTA PADA					1	1	2	1	0	1	2	1	3
				KHAIR GUDA					2	1	3	13	0	13	15	1	16
		18	Kultapa da	BANDH					3	1	4	3	2	5	6	3	9
									3	1	4	2	0	2	5	1	6

				APADA													
				KUMU RIA					2	1	3	3	0	3	5	1	6
				SINGH TIMAL					1	1	2	5	0	5	6	1	7
				MUDP ALA					1	0	1	14	2	16	15	2	17
	Deo gao n	19	Gourgot h	GOUR GOTH A					1	0							
				RATAK HANDI					1	0	1	20	3	23	21	3	24
				AMAD AHAN					1	0	1	13	1	14	14	1	15
		20	Badaba hal	BADAB AHAL					1	1	2	16	3	19	17	4	21
				KENDU GHAT					1	1	2	11	0	11	12	1	13
				BARAK ANA					1	1	2	1	0	1	2	1	3
		21	Gudkha pala	GUDK HAPAL A					1	1	2	18	1	19	19	2	21
				KHAGA SIKAN A					1	1	2	17	0	17	18	1	19
				KUNDE IMAL					1	1	2	10	1	11	11	2	13
		22	Sarasm al	SARAS MAL					1	1	2	7	1	8	8	2	10
				APHA MARA					1	1	2	8	1	9	9	2	11
				PULAS HKHAN D					1	1	2	8	0	8	9	1	10
				CHOR AMAR A					1	1	2	22	6	28	23	7	30
				KANAK PUR					1	1	2	6	0	6	7	1	8
		23	Sikuan	SIKUA N					1	1	2	8	0	8	9	1	10
				GAILPI TA					1	1	2	6	0	6	7	1	8
				BANJIB					1	1	2	8	0	8	9	1	10

				AHALI													
		24	Dhanda mal	DHAN DAMAL					1	1	2	26	2	28	27	3	30
				BILASP UR					2	1	3	25	0	25	27	1	28
				PIPALP ADAR					1	1	2	11	3	14	12	4	16
				ANTAR AL					3	1	4	49	6	55	52	7	59
				DANG ARPAD A					2	1	3	27	0	27	29	1	30
		25	Badaba ndha	BANDA BANDH A					1	1	2	34	4	38	35	5	40
				KARUA NJHAR					1	1	2	44	3	47	45	4	49
				SILETK ANI					1	1	2	14	2	16	15	3	18
	Deo gao n	26	Landap athar	LANDA PATHA R					3	1	4	107	9	116	110	10	120
				RUGU DIPALI					1	1	2	41	2	43	42	3	45
				DAHIM AL					1	1	2	36	2	38	37	3	40
				JHINK ERMAL					1	1	2	31	4	35	32	5	37
				DUMA RJOR					2	1	3	66	1	67	68	2	70
Deogaon Block Total				G. TOTAL					234	112	346	2652	264	2916	2886	376	3262
4	Pat nag arh	1	Dhubal para	Dhubal para					0	0	0	39	6	45	39	6	45
				Bandha nbadi					1	0	1	29	3	32	30	3	33
				Rengta sil					1	0	1	41	14	55	42	14	56
				Bhalupi ta					1	1	2	24	2	26	25	3	28
				Bhaluju ri					1	0	1	31	6	37	32	6	38
				Mudgh at					0	0	0	35	15	50	35	15	50

		2	<b>Bhainsa</b>	<b>Bhainsa</b>					5	0	5	124	21	145	129	21	150
				Sanjha nkar pali					1	0	1	36	5	41	37	5	42
				Munda pala					4	0	4	34	9	43	38	9	47
				Masina chapar					1	0	1	39	18	57	40	18	58
				Jhaptu pali					1	0	1	34	2	36	35	2	37
		3	<b>Tendapadar</b>	<b>Tendapadar</b>					16	0	16	94	10	104	110	10	120
				Babejuri					10	0	10	45	0	45	55	0	55
				Sialbandh					10	0	10	85	2	87	95	2	97
				Ratakhandi					8	0	8	32	5	37	40	5	45
				Podhmund					6	0	6	26	0	26	32	0	32
		4	<b>Ulba</b>	<b>Ulba</b>					1	0	1	49	12	61	50	12	62
				Kusumkani					1	0	1	9	3	12	10	3	13
				Sarmuhan					1	0	1	41	0	41	42	0	42
				Ghikundi					1	0	1	9	2	11	10	2	12
				Kaudia					1	0	1	16	2	18	17	2	19
		5	<b>Ghuchepali</b>	<b>Ghuchepali</b>					25	0	25	25	5	30	50	5	55
				Dandrabahal					35	0	35	20	5	25	55	5	60
				Kadali munda					26	0	26	4	5	9	30	5	35
				Amdarah					25	0	25	10	5	15	35	5	40
				Semel munda					16	0	16	14	5	19	30	5	35
		6	<b>Mundamahul</b>	<b>Mundamahul</b>					10	0	10	55	15	70	65	15	80
				Ranidarah					5	0	5	15	5	20	20	5	25
				Manaipath					6	0	6	14	7	21	20	7	27

				Gailmar a					8	0	8	17	5	22	25	5	30
				Chitadu ngari					4	0	4	16	5	21	20	5	25
				Bhalud arah					7	0	7	13	5	18	20	5	25
				Badjha nkarपालि					7	0	7	28	5	33	35	5	40
		7	<b>Kendu mundi</b>	<b>Kendu mundi</b>					20	0	20	25	5	30	45	5	50
				Baglab andh					20	0	20	30	5	35	50	5	55
				Gadiajo r					15	0	15	20	5	25	35	5	40
				Bindha npadar					10	0	10	25	5	30	35	5	40
				Podhch hapar					35	0	35	25	5	30	60	5	65
				Tulsidu nguri					30	0	30	25	5	30	55	5	60
				Phudku pada					40	5	45	20	0	20	60	5	65
				Magha mara					60	10	70	5	0	5	65	10	75
		8	<b>Salepal i</b>	<b>Salepal i</b>					0	0	0	45	5	50	45	5	50
				Karlam al					1	0	1	54	10	64	55	10	65
				Rahen mal					1	0	1	24	5	29	25	5	30
				Chaka mal					1	0	1	44	5	49	45	5	50
				Turlam al					1	0	1	34	5	39	35	5	40
				Niljibah al					1	0	1	19	5	24	20	5	25
		9	<b>Gangas agar</b>	<b>Gangas agar</b>					0	0	0	22	16	38	22	16	38
				Siletpa da					1	0	1	22	8	30	23	8	31
				Gohira munda					1	0	1	32	7	39	33	7	40
				Chinger bandh					1	0	1	14	0	14	15	0	15
				Behera bandh					1	0	1	24	0	24	25	0	25

		10	<b>Bathar a</b>	<b>Bathar a</b>					5	0	5	15	10	25	20	10	30
				Banjari					6	0	6	12	9	21	18	9	27
				Bileisat hi					16	0	16	20	9	29	36	9	45
				Goilpita					2	0	2	8	5	13	10	5	15
				Sanbic hlibah al					4	0	4	7	4	11	11	4	15
		11	<b>Solban dh</b>	<b>Solban dh</b>					0	0	0	26	3	29	26	3	29
				Bankab iar					1	1	2	116	4	120	117	5	122
				Jharba ndh					1	0	1	15	3	18	16	3	19
		12	<b>Balipat a</b>	<b>Balipat a</b>					5	2	7	106	17	123	111	19	130
				Khalia					3	0	3	36	0	36	39	0	39
				Sankal angapa li					1	0	1	22	2	24	23	2	25
				Chulad arha					0	0	0	48	0	48	48	0	48
		13	<b>Jogimu nda</b>	<b>Jogim unda</b>					1	0	1	57	8	65	58	8	66
				Nehena bandh					1	0	1	41	10	51	42	10	52
				Jamba hal					1	0	1	35	10	45	36	10	46
				Thakpa da					1	0	1	28	19	47	29	19	48
		14	<b>Dhatuk</b>	<b>Dhatuk</b>					1	0	1	52	13	65	53	13	66
				Mallikm unda					1	0	1	41	19	60	42	19	61
				Babejur i					1	0	1	49	10	59	50	10	60
				Barbah al					0	0	0	33	10	43	33	10	43
		15	<b>Panda munda</b>	<b>Panda munda</b>					40	0	40	25	20	45	65	20	85
				Dumer padar					35	2	37	10	13	23	45	15	60
				Bankib ahal					50	0	50	5	25	30	55	25	80

				Kuhaba uns					15	0	15	45	10	55	60	10	70
				Badbic hlibah al					17	0	17	33	10	43	50	10	60
		16	<b>Kerbed a</b>	<b>Kerbed a</b>					38	0	38	27	10	37	65	10	75
				Banjijh al					25	0	25	35	10	45	60	10	70
				Ainlapa li					11	0	11	18	11	29	29	11	40
				Baliabh ata					22	0	22	28	15	43	50	15	65
				Putishb ahal					21	0	21	36	10	46	57	10	67
				Dhaura dadar					19	0	19	36	10	46	55	10	65
		17	<b>Maruan</b>	<b>Marua n</b>					1	0	1	52	8	60	53	8	61
				Padhel					1	0	1	68	25	93	69	25	94
				Jhulenb ar					1	0	1	54	5	59	55	5	60
				Pandrip ani					1	0	1	39	2	41	40	2	42
				Ganjau dar					1	0	1	50	10	60	51	10	61
				Talpad ar					0	0	0	8	3	11	8	3	11
		18	<b>Barpad ar</b>	<b>Barpad ar</b>					0	0	0	15	0	15	15	0	15
				Apursa gar					1	0	1	16	0	16	17	0	17
				Samale swar					1	0	1	24	5	29	25	5	30
				Kutumu nda					1	0	1	37	9	46	38	9	47
		19	<b>Baneim unda</b>	<b>Banei munda</b>					35	0	35	41	8	49	76	8	84
				Khutun apani					30	0	30	33	10	43	63	10	73
				Rakhiu dar					16	0	16	35	2	37	51	2	53
				Daldali					30	0	30	38	10	48	68	10	78
				Kushab ahali					18	0	18	20	0	20	38	0	38

				Bijama gur					7	0	7	13	0	13	20	0	20
				Barham ara					7	0	7	15	0	15	22	0	22
				Phulmu nda					18	0	18	9	0	9	27	0	27
		20	<b>Sunam udi</b>	<b>Sunam udi</b>					0	0	0	45	4	49	45	4	49
				Rugudi munda					1	0	1	35	2	37	36	2	38
				Naktas ar					1	0	1	24	1	25	25	1	26
				Diadum er					1	0	1	44	1	45	45	1	46
				Tetelkh unti					1	0	1	26	3	29	27	3	30
				Chhelk hai					0	0	0	6	1	7	6	1	7
		21	<b>Deulga on</b>	<b>Deulga on</b>					2	0	2	40	5	45	42	5	47
				Barpith a					0	0	0	25	2	27	25	2	27
				Ghugh utipali					1	0	1	26	4	30	27	4	31
				Badkal angapa li					1	0	1	39	2	41	40	2	42
				Ghume r					0	0	0	40	2	42	40	2	42
		22	<b>Tamian</b>	<b>Tamian</b>					13	1	14	27	2	29	40	3	43
				Ainlatu nga					8	2	10	14	1	15	22	3	25
				Bagbah ali					10	1	11	2	1	3	12	2	14
				Bhatpal i					7	1	8	3	4	7	10	5	15
				Dapkan i					6	2	8	19	3	22	25	5	30
				Gahirp ali					8	0	8	12	4	16	20	4	24
				Jalpali					6	1	7	0	1	1	6	2	8
		23	<b>Khutsa malei</b>	<b>Khutsa malei</b>					20	1	21	14	4	18	34	5	39
				Daitari munda					20	1	21	0	0	0	20	1	21

				Maral					18	3	21	0	0	0	18	3	21
				Gadga dchhap ar					15	4	19	0	0	0	15	4	19
				Dhodm ahul					10	1	11	0	1	1	10	2	12
				Ganda mel					7	0	7	0	0	0	7	0	7
		24	<b>Ghasia n</b>	<b>Ghasia n</b>					56	0	56	0	0	0	56	0	56
		25	<b>Gerda</b>	<b>Gerda</b>					0	0	0	12	6	18	12	6	18
				Rengali					0	0	0	17	8	25	17	8	25
				Goilpita					1	0	1	8	4	12	9	4	13
				Barham ara					1	0	1	5	2	7	6	2	8
				Dabmal					1	0	1	7	2	9	8	2	10
				Laxmim unda					1	0	1	3	4	7	4	4	8
		26	<b>Laramb ha</b>	<b>Laram bha</b>					90	0	90	0	0	0	90	0	90
				Brahma npali					18	0	18	0	0	0	18	0	18
				Chanda njuri					32	0	32	0	0	0	32	0	32
				Khuripa ni					40	0	40	0	15	15	40	15	55
				Kanheit al					16	0	16	0	4	4	16	4	20
				Burdab ahal					25	0	25	0	0	0	25	0	25
				Kuturla					50	0	50	0	0	0	50	0	50
		27	<b>Khursel</b>	<b>Khurse l</b>					32	0	32	0	5	5	32	5	37
				Debhui n					47	0	47	0	0	0	47	0	47
				Indapur					53	0	53	0	0	0	53	0	53
		28	<b>Phatam unda</b>	<b>Phata munda</b>					14	0	14	6	6	12	20	6	26
				Pudapa dar					11	0	11	0	7	7	11	7	18
				Pandes ara					19	0	19	2	0	2	21	0	21

				Sidhim unda					14	0	14	0	0	0	14	0	14
				Ladang abhata					11	0	11	0	5	5	11	5	16
				Laheerju ri					8	0	8	2	0	2	10	0	10
		29	<b>Bharat bahal</b>	<b>Bharat bahal</b>					24	0	24	0	0	0	24	0	24
				Barbha ga					8	0	8	0	2	2	8	2	10
				Barjhul a					20	0	20	0	0	0	20	0	20
				Champ asar					1	0	1	7	1	8	8	1	9
				Guniab ahal					12	0	12	0	0	0	12	0	12
				Mudals ar					6	0	6	3	8	11	9	8	17
				Thelkoc hhapar					15	0	15	0	0	0	15	0	15
		30	<b>Dangab ahal</b>	<b>Danga bahal</b>					27	0	27	3	0	3	30	0	30
				Guncha dihi					5	0	5	1	3	4	6	3	9
				Gadiajo r					2	0	2	6	2	8	8	2	10
				Pandrip ani					20	0	20	0	0	0	20	0	20
				Sarthim unda					5	0	5	4	0	4	9	0	9
				Gabhra					10	0	10	1	4	5	11	4	15
				Damkip ali					25	0	25	4	0	4	29	0	29
				Suliam al					19	0	19	6	0	6	25	0	25
				Chhual iudar					15	0	15	4	0	4	19	0	19
					1	<b>NAC Patna garh</b>	1	Gadb hitar	2	0	2	1	0	1	3	0	3
							2	Badpa da	2	0	2	3	0	3	5	0	5
							3	Jharb andhp ada	2	0	2	6	1	7	8	1	9

							4	Barh ampu ra	2	0	2	5	2	7	7	2	9
							5	Babaji pada	2	0	2	4	3	7	6	3	9
							6	Kadop ada	2	0	2	3	0	3	5	0	5
							7	Tikap ali	1	0	1	6	0	6	7	0	7
							8	Ramp ur	2	0	2	9	1	10	11	1	12
							9	Kukur mund a	2	0	2	6	0	6	8	0	8
							10	Ranis agar	2	0	2	5	0	5	7	0	7
<b>Patnagarh Block</b>																	
<b>Total</b>				<b>30</b>		<b>1</b>	<b>10</b>		<b>1926</b>	<b>39</b>	<b>1965</b>	<b>3834</b>	<b>854</b>	<b>4688</b>	<b>5760</b>	<b>893</b>	<b>6653</b>
5	BEL PAD A	1	BAGDOR	BAGDO R					129	0	129	0	16	16	129	16	145
			BAGDOR	BANMA L					6	0	6	31	10	41	37	10	47
			BAGDOR	DHAUR AKHAM AN					59	0	59	0	11	11	59	11	70
			BAGDOR	DUDUK AMAL					68	0	68	0	0	0	68	0	68
			BAGDOR	JHANKRI PALI					14	0	14	32	26	58	46	26	72
			BAGDOR	KASAKH UTA					25	0	25	0	10	10	25	10	35
			BAGDOR	KUMBH ARKHU N					20	0	20	92	19	111	112	19	131
			BAGDOR	MALPA DA					27	0	27	0	15	15	27	15	42
			BAGDOR	TALBHA TA					40	0	40	0	0	0	40	0	40
			BAGDOR	THUDIB AHAL					110	0	110	0	0	0	110	0	110
		2	BAHABA L	BAHABA L					70	7	77	33	36	69	103	43	146

			BAHABA L	KHAIRM AL					140	14	154	0	7	7	140	21	161
			BAHABA L	MALPA DA					70	7	77	0	27	27	70	34	104
		3	BALIKHA MAR	BALIKHA MAR					112	0	112	0	0	0	112	0	112
			BALIKHA MAR	BHARUA MUNDA					72	0	72	0	5	5	72	5	77
			BALIKHA MAR	PATRAP ALI					158	0	158	0	0	0	158	0	158
		4	BEHERA MUNDA	AMABA NJI					28	0	28	1	13	14	29	13	42
			BEHERA MUNDA	BEHERA MUNDA					77	0	77	8	26	34	85	26	111
			BEHERA MUNDA	BERIBER A					19	0	19	0	2	2	19	2	21
			BEHERA MUNDA	DARHO MUNDA					59	0	59	0	18	18	59	18	77
			BEHERA MUNDA	DHUNGI AMUND A					70	0	70	26	16	42	96	16	112
			BEHERA MUNDA	MUNDA GAON					71	0	71	11	18	29	82	18	100
		5	BELPADA	BELPAD A					212	0	212	0	4	4	212	4	216
			BELPADA	PADAM PUR					82	0	82	0	5	5	82	5	87
		6	BHARUA PALI	BHARUA PALI					201	16	217	11	50	61	212	66	278
			BHARUA PALI	KHARBA HELI					48	2	50	0	0	0	48	2	50
			BHARUA PALI	PHULKA NI					115	18	133	0	18	18	115	36	151
			BHARUA PALI	SAGUNB HADI					43	2	45	0	0	0	43	2	45
		7	DARLIPA LI	DARLIPA LI					65	0	65	0	22	22	65	22	87
			DARLIPA LI	ADAMU NDA					62	0	62	0	0	0	62	0	62
			DARLIPA LI	GODBH ANGA					40	0	40	3	14	17	43	14	57
			DARLIPA LI	BARBAH ALI					20	0	20	0	6	6	20	6	26

			DARLIPA LI	MALPAR A					30	0	30	1	13	14	31	13	44
		8	DHUMA BHATA	AINLAP ALI					14	0	14	0	1	1	14	1	15
			DHUMA BHATA	DAHIMA L					45	0	45	0	0	0	45	0	45
			DHUMA BHATA	DHUMA BHATA					236	0	236	0	0	0	236	0	236
			DHUMA BHATA	HATKAT					49	0	49	0	2	2	49	2	51
			DHUMA BHATA	JALIA					74	0	74	0	0	0	74	0	74
			DHUMA BHATA	KHALKH ALI					24	0	24	0	0	0	24	0	24
			DHUMA BHATA	RAIKHAL					25	0	25	0	0	0	25	0	25
		9	GAMBH ARI	GAMBH ARI					164	0	164	30	8	38	194	8	202
			GAMBH ARI	BAIJALS AGAR					81	0	81	25	31	56	106	31	137
			GAMBH ARI	KARLAB AHALI					58	0	58	0	18	18	58	18	76
			GAMBH ARI	KINDRIT AL					82	0	82	0	0	0	82	0	82
			GAMBH ARI	MATIKH AI					142	0	142	0	8	8	142	8	150
		10	GHAGUR LI	CHIKILI					36	0	36	0	5	5	36	5	41
			GHAGUR LI	DUMER BAHAL					35	0	35	0	2	2	35	2	37
			GHAGUR LI	DUMER MUNDA					46	0	46	0	2	2	46	2	48
			GHAGUR LI	GHAGA RA					105	0	105	0	0	0	105	0	105
			GHAGUR LI	GHAGU RLI					74	0	74	0	0	0	74	0	74
			GHAGUR LI	JAMJURI					42	0	42	0	4	4	42	4	46
			GHAGUR LI	KADALI					54	0	54	0	0	0	54	0	54
			GHAGUR LI	KHALIAP ALI					28	0	28	0	6	6	28	6	34

			GHAGUR LI	PANKIM AL					61	0	61	0	3	3	61	3	64
		11	JUBA	BHULIA BANDH					18	0	18	0	0	0	18	0	18
			JUBA	BILEIMA RA					25	0	25	0	0	0	25	0	25
			JUBA	DANGA RPADA					18	0	18	0	0	0	18	0	18
			JUBA	DANGA RTAL					26	0	26	0	0	0	26	0	26
			JUBA	JHJARPH ATAMU NDA					56	0	56	0	0	0	56	0	56
			JUBA	JUBA					132	0	132	0	0	0	132	0	132
			JUBA	KHALIPA DAR					136	0	136	0	0	0	136	0	136
			JUBA	KURENB AHALI					22	0	22	0	0	0	22	0	22
			JUBA	NAGPHE NA					63	0	63	0	0	0	63	0	63
		12	KANDHE NJHULA	BAHABA L					121	0	121	0	0	0	121	0	121
			KANDHE NJHULA	KANDHE NJHULA					93	0	93	3	0	3	96	0	96
			KANDHE NJHULA	KANSAP ALA					142	0	142	0	14	14	142	14	156
			KANDHE NJHULA	SARGIM UNDA					53	0	53	0	6	6	53	6	59
		13	KANUT	BHUTU NGPARA					32	5	37	4	6	10	36	11	47
			KANUT	KANUT					110	18	128	0	0	0	110	18	128
			KANUT	MURIBA HAL					70	12	82	0	0	0	70	12	82
			KANUT	SUANBA HAL					54	9	63	0	8	8	54	17	71
			KANUT	TANLA					73	12	85	0	0	0	73	12	85
		14	KAPANI	CHHUIN ARA					72	0	72	0	9	9	72	9	81
			KAPANI	BUDAM UNDA					96	0	96	0	2	2	96	2	98
			KAPANI	DUNGU RIGUDA					62	0	62	0	2	2	62	2	64

			KAPANI	KAPANI					96	0	96	0	13	13	96	13	109
			KAPANI	MALIJH OR					87	0	87	0	8	8	87	8	95
			KAPANI	TORA					190	0	190	0	3	3	190	3	193
		15	MADHYA PUR	KATAPA LI					137	0	137	0	0	0	137	0	137
			MADHYA PUR	KENKEB A					47	0	47	0	14	14	47	14	61
			MADHYA PUR	MADHY APUR					55	0	55	22	0	22	77	0	77
		16	MANDAL	JAMKHA RI					45	1	46	9	12	21	54	13	67
			MANDAL	MANDA L					146	14	160	12	42	54	158	56	214
			MANDAL	RADBAH AL					130	10	140	24	42	66	154	52	206
			MANDAL	SARGIG UDA					59	5	64	12	17	29	71	22	93
		17	NUNHA D	CHACHE RBENG					137	0	137	0	24	24	137	24	161
			NUNHA D	DUNGU RIPALI					31	0	31	2	3	5	33	3	36
			NUNHA D	NUNHA D					145	0	145	1	35	36	146	35	181
			NUNHA D	PALESIR A					59	0	59	3	18	21	62	18	80
		18	PANDRIJ HORE	BHALUB AHELI					47	7	54	0	3	3	47	10	57
			PANDRIJ HORE	BICHHU BAHELI					109	6	115	0	70	70	109	76	185
			PANDRIJ HORE	GIDHM AL					62	3	65	0	23	23	62	26	88
			PANDRIJ HORE	KARLAB AHELI					131	5	136	1	64	65	132	69	201
			PANDRIJ HORE	MUNDA PALA					86	5	91	0	35	35	86	40	126
			PANDRIJ HORE	PANDRIJ HORE					63	7	70	0	30	30	63	37	100
		19	PARLIMA L	MUNAP ALI					65	0	65	0	12	12	65	12	77
			PARLIMA L	PARLIM AL					156	0	156	7	25	32	163	25	188

			PARLIMA L	RENGAL I					85	0	85	0	18	18	85	18	103
		20	SALANDI	DUNGU RIPALI					82	20	102	0	3	3	82	23	105
			SALANDI	LATHAK END					97	24	121	0	20	20	97	44	141
			SALANDI	UDINGI					154	38	192	0	0	0	154	38	192
			SALANDI	SALAND I					48	12	60	0	29	29	48	41	89
		21	SARMUH AN	AINLAB HATA					61	11	72	18	2	20	79	13	92
			SARMUH AN	BHALUK HAI					62	12	74	0	18	18	62	30	92
			SARMUH AN	BHUDH ABHATA					82	16	98	0	0	0	82	16	98
			SARMUH AN	GUHURI APADAR					26	5	31	0	0	0	26	5	31
			SARMUH AN	KHARKH ARA					97	19	116	13	7	20	110	26	136
			SARMUH AN	SARMU HAN					162	31	193	0	19	19	162	50	212
		22	SIHINI	BHATAP ARA					36	10	46	1	7	8	37	17	54
			SIHINI	SAMELP ALI					45	13	58	0	10	10	45	23	68
			SIHINI	SIHINI					146	15	161	0	65	65	146	80	226
		23	SULEKEL A	BANGO MUNDA BAHAL					75	0	75	0	39	39	75	39	114
			SULEKEL A	CHANDR APUR					68	0	68	2	33	35	70	33	103
			SULEKEL A	DAKARA					104	0	104	11	47	58	115	47	162
			SULEKEL A	SULEKEL A					174	0	174	0	54	54	174	54	228
		24	TETELM UNDA	BAGUD AR					106	0	106	4	43	47	110	43	153
			TETELM UNDA	DEBRIPA LI					77	0	77	0	34	34	77	34	111
			TETELM UNDA	MUNDO DORHA					60	0	60	0	25	25	60	25	85
			TETELM	SATCHU					63	0	63	0	30	30	63	30	93

			UNDA	AN													
			TETELM UNDA	TETELM UNDA					107	0	107	0	47	47	107	47	154
<b>Belpada Block</b>																	
<b>Total</b>			<b>24</b>						<b>9411</b>	<b>411</b>	<b>9822</b>	<b>453</b>	<b>1587</b>	<b>2040</b>	<b>9864</b>	<b>1998</b>	<b>11862</b>
6	Kha pra kho I	1	TELENPA LI	JAMUN APALI					32	1							
	Kha pra kho I										33	1	0	1	33	1	34
	Kha pra kho I		TELENPA LI	BALIABA HAL					20	0							
											20	5	0	5	25	0	25
	Kha pra kho I		TELENPA LI	SAPAM UND					25	0							
											25	0	0	0	25	0	25
	Kha pra kho I		TELENPA LI	JUNANI BAHAL					28	0							
											28	4	0	4	32	0	32
	Kha pra kho I		TELENPA LI	ANDAL MUNDI					22	1							
											23	0	0	0	22	1	23
	Kha pra kho I		TELENPA LI	TELENP ALI					38	0							
											38	4	0	4	42	0	42
	Kha pra kho I		TELENPA LI	KARLAM AL					23	1							
											24	0	0	0	23	1	24
	Kha pra kho I		TELENPA LI	DUDUKI PADAR					22	2							
											24	7	0	7	29	2	31
	Kha pra kho I		TELENPA LI	GHUCH APALI					30	0							
											30	9	0	9	39	0	39
	Kha	2	RENGALI	RENGAL					34	1	35	10	0	10	44	1	45

	pra kho I		I														
	Kha pra kho I	RENGALI	SINDHIB AHALI					22	0		22	14	0	14	36	0	36
	Kha pra kho I	RENGALI	CHITAK UTUNA					14	1		15	2	0	2	16	1	17
	Kha pra kho I	RENGALI	BHARUA MUNDA					36	0		36	16	0	16	52	0	52
	Kha pra kho I	RENGALI	BARTIA					46	1		47	33	0	33	79	1	80
	Kha pra kho I	RENGALI	LAHADU NGURI					21	0		21	9	0	9	30	0	30
	Kha pra kho I	RENGALI	AMBAB AHALI					25	1		26	1	0	1	26	1	27
	Kha pra kho I	RENGALI	BEHERA PANI					15	0		15	9	0	9	24	0	24
	Kha pra kho I	RENGALI	KHURIP ANI					13	0		13	13	0	13	26	0	26
	Kha pra kho I	RENGALI	NAGDER A					29	0		29	0	0	0	29	0	29
	Kha pra kho I	RENGALI	KULIHA MUNDA					17	0		17	8	0	8	25	0	25

	Kha pra kho I	3	GHUNSA R	GHUNS AR				36	1							
	Kha pra kho I		GHUNSA R	JHANKIR IPALI				28	0							
	Kha pra kho I		GHUNSA R	PUTKEL CHUAN				25	0							
	Kha pra kho I		GHUNSA R	CHANCH ARABHA TA				23	1							
	Kha pra kho I		GHUNSA R	JHALBA HAL				13	0							
	Kha pra kho I		GHUNSA R	PINGAL MUNDA				15	0							
	Kha pra kho I		GHUNSA R	SANBAN JIPALI				11	0							
	Kha pra kho I	4	SAHAJPA NI	SAHAJP ANI				27	0							
	Kha pra kho I		SAHAJPA NI	BAGDIA				15	0							
	Kha pra kho I		SAHAJPA NI	SULIABA HAL				12	0							
	Kha pra kho		SAHAJPA NI	PHULUK IMUND A				24	1							

	I															
	Kha pra kho I	5	LATHOR	LATHOR				36	0							
	Kha pra kho I		LATHOR	PIPALBA HAL				41	0							
	Kha pra kho I	6	MALPAD A	MALPA DA				36	1							
	Kha pra kho I		MALPAD A	JAMCH UAN				28	0							
	Kha pra kho I		MALPAD A	PHULJH AR				21	0							
	Kha pra kho I		MALPAD A	JALPAN KEL				19	0							
	Kha pra kho I		MALPAD A	KANDEI CHHAPA R				16	0							
	Kha pra kho I	7	BENDER	BENDER				30	1							
	Kha pra kho I		BENDER	BHARUA MUNDA				32	0							
	Kha pra kho I		BENDER	CHAHAK APADA				25	0							
	Kha		BENDER	BADIMA				21	1							

	pra kho I			L												
	Kha pra kho I		BENDER	BHALUC HUAN				19	0							
	Kha pra kho I	8	KARUAN JHAR	KARUAN JHAR				35	0	19	11	0	11	30	0	30
	Kha pra kho I		KARUAN JHAR	MASINA				37	0	35	37	0	37	72	0	72
	Kha pra kho I		KARUAN JHAR	SANGUR JIBHATA				29	0	37	36	0	36	73	0	73
	Kha pra kho I		KARUAN JHAR	JHALIALI TI				20	1	29	51	0	51	80	0	80
	Kha pra kho I		KARUAN JHAR	CHAULD IA				18	1	21	34	0	34	54	1	55
	Kha pra kho I		TANKAP ANI	TANKAP ANI				29	0	19	13	0	13	31	1	32
	Kha pra kho I		TANKAP ANI	SAREIBA HAL				27	0	29	55	0	55	84	0	84
	Kha pra kho I	9	TANKAP ANI	PATRAP ALI				32	1	33	68	0	68	100	1	101
	Kha pra kho I		TANKAP ANI	SUNAM UDI				21	0	21	71	0	71	92	0	92

	Kha pra kho I	10	TANKAP ANI	BUDHAC HHAPAR					18	1	19	61	0	61	79	1	80
	Kha pra kho I		TANKAP ANI	CHORM UNDA					16	0	16	29	0	29	45	0	45
	Kha pra kho I		LUHASIN GHA	Luhasin gha							31	0	31	19	0	19	50
	Kha pra kho I		LUHASIN GHA	Tengara pathar					35	1	36	23	0	23	58	1	59
	Kha pra kho I		LUHASIN GHA	Ghagara					16	1	17	8	0	8	24	1	25
	Kha pra kho I		LUHASIN GHA	Dangiab ahal					14	0	14	8	0	8	22	0	22
	Kha pra kho I		LUHASIN GHA	Kadalijh aran					21	0	21	29	0	29	50	0	50
	Kha pra kho I		LUHASIN GHA	Goudpal ai					42	1	43	21	0	21	63	1	64
	Kha pra kho I		LUHASIN GHA	Chitkam al					17	0	17	18	0	18	35	0	35
	Kha pra kho I		LUHASIN GHA	Kusumk ani					14	0	14	4	0	4	18	0	18
	Kha pra kho		LUHASIN GHA	Juria					30	0	30	5	0	5	35	0	35

	I																
	Kha pra kho I		LUHASIN GHA	Ghon Bhatli				28	1		29	30	0	30	58	1	59
	Kha pra kho I		LUHASIN GHA	Bahal Bhatli				25	0		25	25	0	25	50	0	50
	Kha pra kho I		LUHASIN GHA	Kirabah al				23	0		23	12	0	12	35	0	35
	Kha pra kho I	11	DAMEIP ALI	Dameip ali				30	0		30	60	0	60	90	0	90
	Kha pra kho I		DAMEIP ALI	Badude n				23	0		23	77	0	77	100	0	100
	Kha pra kho I		DAMEIP ALI	Lachhim al				19	0		19	71	0	71	90	0	90
	Kha pra kho I		DAMEIP ALI	Kechho bahal				16	1		17	53	0	53	69	1	70
	Kha pra kho I	12	BAGHM UND	Baghmu nd				41	0		41	24	0	24	65	0	65
	Kha pra kho I		BAGHM UND	Luhuret				24	1		25	3	0	3	27	1	28
	Kha pra kho I		BAGHM UND	Bandha nmal				15	0		15	0	0	0	15	0	15
	Kha		BAGHM	Kholaga				4	0		4	8	0	8	12	0	12

	pra kho I	12	UND	da														
	Kha pra kho I		BAGHM UND	Hirli					32	2		34	16	0	16	48	2	50
	Kha pra kho I		BAGHM UND	Kadopa ni					21	0		21	7	0	7	28	0	28
	Kha pra kho I		BAGHM UND	Nagenm al					23	0		23	4	0	4	27	0	27
	Kha pra kho I	CHANGA RIA	Changar ia					32			0		32	53	0	53	85	0
	Kha pra kho I	13	CHANGA RIA	Luhakha n				19	1		20	0	0	0	19	1	20	
	Kha pra kho I		CHANGA RIA	Dundel					25	0		25	23	0	23	48	0	48
	Kha pra kho I		CHANGA RIA	Rengalju ri					24	0		24	6	0	6	30	0	30
	Kha pra kho I		DHANDA MUNDA	Dhanda munda							64	1		65	111	0	111	175
	Kha pra kho I	14	DHANDA MUNDA	Benkera				29	1		30	46	0	46	75	1	76	
	Kha pra kho I		DHANDA MUNDA	Bandep adar					26	0		26	19	0	19	45	0	45

District Disaster Management Plan- Vol-II

	I															
	Kha pra kho I		PADIABA HAL	Patrapal i				23	0	23	9	0	9	32	0	32
	Kha pra kho I		PADIABA HAL	Salepali				22	0	22	0	0	0	22	0	22
	Kha pra kho I		PADIABA HAL	Sanuden				32	0	32	13	0	13	45	0	45
	Kha pra kho I		PADIABA HAL	Tileibah al				0	0	0	12	0	12	12	0	12
	Kha pra kho I	17	BHANPU R	BHANP UR				35	1	36	30	0	30	65	1	66
	Kha pra kho I		BHANPU R	BRAHM ANI				26	0	26	29	0	29	55	0	55
	Kha pra kho I		BHANPU R	BUROM AL				36	0	36	59	0	59	95	0	95
	Kha pra kho I		BHANPU R	DANAM AL				23	2	25	62	0	62	85	2	87
	Kha pra kho I		BHANPU R	JALIABA HAL				26	0	26	44	0	44	70	0	70
	Kha pra kho I		BHANPU R	JHANKA RPALI				25	0	25	50	0	50	75	0	75
	Kha		BHANPU	TURLA				45	2	47	50	0	50	95	2	97

	pra kho I		R														
	Kha pra kho I	18	MATIAB HATA	ANKAM ARA					38	0	38	7	0	7	45	0	45
	Kha pra kho I		MATIAB HATA	KENDUB HATA					23	1	24	26	0	26	49	1	50
	Kha pra kho I		MATIAB HATA	MATIAB HATA					29	2	31	46	0	46	75	2	77
	Kha pra kho I		MATIAB HATA	PUTULA MAHUL					30	0	30	55	0	55	85	0	85
	Kha pra kho I		MATIAB HATA	SALEPAL I					23	2	25	32	0	32	55	2	57
	Kha pra kho I		NANDUP ALA	CHHANC HANBA HALI							21	0	21	1	0	1	22
	Kha pra kho I	19	NANDUP ALA	DUDUN GDARH A				22	1	23	4	0	4	26	1	27	
	Kha pra kho I		NANDUP ALA	KANDAR ABHATA					20	0	20	0	0	0	20	0	20
	Kha pra kho I		NANDUP ALA	KUTHUR LA					29	3	32	6	0	6	35	3	38
	Kha pra kho I		NANDUP ALA	MAHUL PALI					20	0	20	0	0	0	20	0	20
	Kha pra kho I																

	Kha pra kho I		NANDUP ALA	NANDU PALA					34	1						
	Kha pra kho I		NANDUP ALA	NUAPAL I					29	0						
	Kha pra kho I		NANDUP ALA	TAMBIP ADAR					24	0						
	Kha pra kho I	20	MAHAR APADAR	BAGJHA RAN					26	1						
	Kha pra kho I		MAHAR APADAR	BANAM AL					19	0						
	Kha pra kho I		MAHAR APADAR	CHAULB ANJI					31	1						
	Kha pra kho I		MAHAR APADAR	DAMNI MAL					20	6						
	Kha pra kho I		MAHAR APADAR	GOLAM UNDA					24	0						
	Kha pra kho I		MAHAR APADAR	MAHAR APADAR					30	2						
	Kha pra kho I		MAHAR APADAR	SARGIP ALI					19	3						
	Kha pra kho	21	KHAPRA KHOL	BADGU RJIBHAT A					39	1						

	I															
	Kha pra kho I		KHAPRA KHOL	BHELUA NKHOL				21	0	21	14	0	14	35	0	35
	Kha pra kho I		KHAPRA KHOL	GUNDU RUPALI				36	1	37	44	0	44	80	1	81
	Kha pra kho I		KHAPRA KHOL	KARLAK UTUNA				28	0	28	37	0	37	65	0	65
	Kha pra kho I		KHAPRA KHOL	KHAPAR AKHOL				61	0	61	48	0	48	109	0	109
	Kha pra kho I		KHAPRA KHOL	KURLU MAL				26	0	26	24	0	24	50	0	50
	Kha pra kho I		KHAPRA KHOL	MAHUR UNDI				41	0	41	39	0	39	80	0	80
Khaprakhol Block Total			21					3500	68	3568	3261	11	3272	6761	79	6840
7	Titil aga rh	1	Bandupa la	Bandup ala				0	0	0	28	0	28	28	0	28
	Titil aga rh		Bandupa la	Desil				0	0	0	70	0	70	70	0	70
	Titil aga rh		Bandupa la	Charbha ta				0	0	0	12	0	12	12	0	12
	Titil aga rh		Bandupa la	Burdipa da				0	0	0	80	0	80	80	0	80
	Titil aga rh	2	Katarkel a	Laitara				0	0	0	15	0	15	15	0	15

	Titil aga rh		Katarkel a	Katerkel a					0	0	0	60	0	60	60	0	60
	Titil aga rh		Katarkel a	Kumudi padar					0	0	0	27	0	27	27	0	27
	Titil aga rh		Katarkel a	Pendrap adar					0	0	0	22	0	22	22	0	22
	Titil aga rh	3	Ghantba hali	Ghantab ahali					0	0	0	15	0	15	15	0	15
	Titil aga rh		Ghantba hali	Khairkh unta					0	0	0	16	0	16	16	0	16
	Titil aga rh		Ghantba hali	Serko					0	0	0	22	0	22	22	0	22
	Titil aga rh		Ghantba hali	Kapsibh ata					0	0	0	20	0	20	20	0	20
	Titil aga rh	4	Bhalega on	Bhalega on					0	0	0	50	0	50	50	0	50
	Titil aga rh		Bhalega on	Ghisirim al					0	0	0	12	0	12	12	0	12
	Titil aga rh		Bhalega on	Kanijuri					0	0	0	10	0	10	10	0	10
	Titil aga rh		Bhalega on	Pitapara					0	0	0	4	0	4	4	0	4
	Titil aga rh		Bhalega on	Dangap ata					0	0	0	4	0	4	4	0	4
	Titil aga rh		Bhalega on	Bagdor					0	0	0	12	0	12	12	0	12
	Titil aga rh		Bhalega on	Gurjibha ta					0	0	0	12	0	12	12	0	12
	Titil	5	Luthurba	Luthurb					0	0	0	45	0	45	45	0	45

	aga rh		ndh	andh													
	Titil aga rh		Luthurba ndh	Saguna munda					0	0	0	15	0	15	15	0	15
	Titil aga rh		Luthurba ndh	Pudapa dar					0	0	0	12	0	12	12	0	12
	Titil aga rh		Luthurba ndh	Mahada					0	0	0	55	0	55	55	0	55
	Titil aga rh		Luthurba ndh	Jamjhor					0	0	0	8	0	8	8	0	8
	Titil aga rh	6	Sihini	Sihini					0	0	0	35	0	35	35	0	35
	Titil aga rh		Sihini	Udepur					0	0	0	40	0	40	40	0	40
	Titil aga rh		Sihini	Kendum undi					0	0	0	20	0	20	20	0	20
	Titil aga rh		Sihini	Kumuda					0	0	0	30	0	30	30	0	30
	Titil aga rh		Sihini	Bachhaj ujha					0	0	0	6	0	6	6	0	6
	Titil aga rh		Sihini	Chitalol					0	0	0	18	0	18	18	0	18
	Titil aga rh	7	Manigao n	Maniga on					0	0	0	42	0	42	42	0	42
	Titil aga rh		Manigao n	Nanajha r					0	0	0	45	0	45	45	0	45
	Titil aga rh		Manigao n	Bhuslad					0	0	0	35	0	35	35	0	35
	Titil aga		Manigao n	Thalka					0	0	0	15	0	15	15	0	15

	rh																
	Titil aga rh		Manigao n	Pipalpad ar					0	0	0	23	0	23	23	0	23
	Titil aga rh	8	Sagadgh at	Sagadgh at					0	0	0	28	0	28	28	0	28
	Titil aga rh		Sagadgh at	Siker					0	0	0	12	0	12	12	0	12
	Titil aga rh		Sagadgh at	Gudgud a					0	0	0	10	0	10	10	0	10
	Titil aga rh		Sagadgh at	Dumdu mi					0	0	0	10	0	10	10	0	10
	Titil aga rh		Sagadgh at	Banjijhal					0	0	0	5	0	5	5	0	5
	Titil aga rh		Sagadgh at	Suhagpu r					0	0	0	2	0	2	2	0	2
	Titil aga rh		Sagadgh at	Pipiliban dh					0	0	0	10	0	10	10	0	10
	Titil aga rh		Sagadgh at	Sialjhud ungi					0	0	0	10	0	10	10	0	10
	Titil aga rh	9	Binekela	Binekela					0	0	0	24	0	24	24	0	24
	Titil aga rh		Binekela	Amurla					0	0	0	21	0	21	21	0	21
	Titil aga rh		Binekela	Goidabri					0	0	0	5	0	5	5	0	5
	Titil aga rh		Binekela	Gohirap adar					0	0	0	7	0	7	7	0	7
	Titil aga rh		Binekela	Salebhat a					0	0	0	11	0	11	11	0	11

	Titil aga rh		Binekela	Sirekela					0	0	0	23	0	23	23	0	23
	Titil aga rh		Binekela	Timanb hadi					0	0	0	15	0	15	15	0	15
	Titil aga rh	10	Parasara	Parasara					0	0	0	32	0	32	32	0	32
	Titil aga rh		Parasara	Kurlubh ata					0	0	0	11	0	11	11	0	11
	Titil aga rh		Parasara	Itchgaon					0	0	0	70	0	70	70	0	70
	Titil aga rh		Parasara	Diaton					0	0	0	41	0	41	41	0	41
	Titil aga rh		Parasara	Chatabh ata					0	0	0	15	0	15	15	0	15
	Titil aga rh	11	Surda	Surda					0	0	0	60	0	60	60	0	60
	Titil aga rh		Surda	Mahaga on					0	0	0	60	0	60	60	0	60
	Titil aga rh		Surda	Beherab hata					0	0	0	28	0	28	28	0	28
	Titil aga rh	12	Kushkela	Kushkel a					0	0	0	55	0	55	55	0	55
	Titil aga rh		Kushkela	Dangarp ada					0	0	0	25	0	25	25	0	25
	Titil aga rh		Kushkela	Limpada					0	0	0	19	0	19	19	0	19
	Titil aga rh		Kushkela	Khaliapa da					0	0	0	15	0	15	15	0	15
	Titil		Kushkela	Ludhipa					0	0	0	15	0	15	15	0	15

	aga rh			da													
	Titil aga rh	13	Digsira	Digsira					0	0	0	50	0	50	50	0	50
	Titil aga rh		Digsira	Goudtul a					0	0	0	48	0	48	48	0	48
	Titil aga rh		Digsira	Nimurla					0	0	0	52	0	52	52	0	52
	Titil aga rh	14	Marlad	Marlad					0	0	0	40	0	40	40	0	40
	Titil aga rh		Marlad	Balpada r					0	0	0	18	0	18	18	0	18
	Titil aga rh		Marlad	Lesunba hali					0	0	0	15	0	15	15	0	15
	Titil aga rh		Marlad	Kanarla					0	0	0	25	0	25	25	0	25
	Titil aga rh	15	Kursud	Kursud					0	0	0	80	0	80	80	0	80
	Titil aga rh		Kursud	Pipalpad ar					0	0	0	30	0	30	30	0	30
	Titil aga rh		Kursud	Kandra					0	0	0	8	0	8	8	0	8
	Titil aga rh		Kursud	Turukbh ata					0	0	0	16	0	16	16	0	16
	Titil aga rh		Kursud	Sukunab hata					0	0	0	15	0	15	15	0	15
	Titil aga rh		Kursud	Ghantas ahada					0	0	0	10	0	10	10	0	10
	Titil aga		Kursud	Kotmara					0	0	0	15	0	15	15	0	15

	rh																
	Titil aga rh	16	Kholan	Kholan					0	0	0	25	0	25	25	0	25
	Titil aga rh		Kholan	Patharla					0	0	0	18	0	18	18	0	18
	Titil aga rh		Kholan	Bramha nipada					0	0	0	15	0	15	15	0	15
	Titil aga rh		Kholan	Tankaru pada					0	0	0	12	0	12	12	0	12
	Titil aga rh		Kholan	Jampad a					0	0	0	10	0	10	10	0	10
	Titil aga rh		Kholan	Sialjhud ungi					0	0	0	15	0	15	15	0	15
	Titil aga rh		Kholan	Gandhar gala					0	0	0	10	0	10	10	0	10
	Titil aga rh	17	Siluan	Siluan					0	0	0	34	0	34	34	0	34
	Titil aga rh		Siluan	Buraban dh					0	0	0	31	0	31	31	0	31
	Titil aga rh		Siluan	Sukunab hata					0	0	0	10	0	10	10	0	10
	Titil aga rh		Siluan	Sikuan					0	0	0	8	0	8	8	0	8
	Titil aga rh	18	Adabaha I	Adabah al					0	0	0	25	1	26	25	1	26
	Titil aga rh		Adabaha I	Dungrig uda					0	0	0	5	1	6	5	1	6
	Titil aga rh		Adabaha I	Ghantas ahada					0	0	0	22	0	22	22	0	22

	Titil aga rh		Adabaha l	Silanda					0	0	0	30	0	30	30	0	30
	Titil aga rh		Adabaha l	Ainlabh ata					0	0	0	28	0	28	28	0	28
	Titil aga rh		Adabaha l	Chantip ala					0	0	0	18	0	18	18	0	18
	Titil aga rh	19	Naren	Naren					0	0	0	60	0	60	60	0	60
	Titil aga rh		Naren	Sanpatr apali					0	0	0	15	0	15	15	0	15
	Titil aga rh		Naren	Badpatr apali					0	0	0	15	0	15	15	0	15
	Titil aga rh		Naren	Minapal i					0	0	0	6	0	6	6	0	6
	Titil aga rh		Naren	Junapar a					0	0	0	8	0	8	8	0	8
	Titil aga rh	20	Mahulpa da	Mahulp ada					0	0	0	30	0	30	30	0	30
	Titil aga rh		Mahulpa da	Kapsibh ata					0	0	0	30	0	30	30	0	30
	Titil aga rh		Mahulpa da	Gambha rimal					0	0	0	12	0	12	12	0	12
	Titil aga rh		Mahulpa da	Dangarp ada					0	0	0	30	0	30	30	0	30
	Titil aga rh		Mahulpa da	Dumber bahal					0	0	0	5	0	5	5	0	5
	Titil aga rh		Mahulpa da	Gulmi					0	0	0	15	0	15	15	0	15
	Titil		Mahulpa	Satbaha					0	0	0	10	0	10	10	0	10

	aga rh		da	ni													
	Titil aga rh		Mahulpa da	Kuturak end					0	0	0	10	0	10	10	0	10
	Titil aga rh	21	Ghodar	Ghodar					0	0	0	34	0	34	34	0	34
	Titil aga rh		Ghodar	Antarla					0	0	0	26	0	26	26	0	26
	Titil aga rh	22	Bijepur	Bijepur					0	0	0	25	0	25	25	0	25
	Titil aga rh		Bijepur	Tarasing a					0	0	0	40	0	40	40	0	40
	Titil aga rh		Bijepur	Ghugur pala					0	0	0	30	0	30	30	0	30
	Titil aga rh		Bijepur	Rigdul					0	0	0	22	0	22	22	0	22
	Titil aga rh		Bijepur	Chorma ra					0	0	0	8	0	8	8	0	8
	Titil aga rh		Bijepur	Thubdui ng					0	0	0	10	0	10	10	0	10
	Titil aga rh		Bijepur	Gukhuru ng					0	0	0	30	0	30	30	0	30
	Titil aga rh		Bijepur	Limpada					0	0	0	8	0	8	8	0	8
	Titil aga rh		Bijepur	Chandot ara					0	0	0	8	0	8	8	0	8
	Titil aga rh	23	Banjipad ar	Banjipa dar					0	0	0	15	0	15	15	0	15
	Titil aga		Banjipad ar	Malijhar					0	0	0	10	0	10	10	0	10

	rh																
	Titil aga rh		Banjipad ar	Belpada					0	0	0	15	0	15	15	0	15
	Titil aga rh		Banjipad ar	Karlapa da					0	0	0	8	0	8	8	0	8
	Titil aga rh		Banjipad ar	Rangba hali					0	0	0	6	0	6	6	0	6
	Titil aga rh		Banjipad ar	Mathan pala					0	0	0	10	0	10	10	0	10
	Titil aga rh		Banjipad ar	Sinapala					0	0	0	12	0	12	12	0	12
	Titil aga rh		Banjipad ar	Sisakeni					0	0	0	10	0	10	10	0	10
	Titil aga rh		Banjipad ar	Pipaldan i					0	0	0	5	0	5	5	0	5
	Titil aga rh	24	Jagua	Jagua					0	0	0	20	0	20	20	0	20
	Titil aga rh		Jagua	Darlo					0	0	0	50	0	50	50	0	50
	Titil aga rh		Jagua	Khaliapa da					0	0	0	1	0	1	1	0	1
	Titil aga rh		Jagua	Turla					0	0	0	30	0	30	30	0	30
	Titil aga rh		Jagua	Bhatipa da					0	0	0	15	0	15	15	0	15
	Titil aga rh		Jagua	Satighat					0	0	0	12	0	12	12	0	12

	Titilagarh				1	Titilagarh NAC	1	revenue village Titilagarh Ka (Ward no 1 &2)	0	0	0		25	0	25	25	0	25
							2	Titilagarh Kha	0	0	0	10	0	10		10	0	10
Titilagarh Block Total				24	1	2		0	0	0	3053	2	3055	3053	2	3055		
8	Saintala	1	Kumbhari	kumbhari					18	0	18	12	0	12	30	0	30	
	Saintala		Kumbhari	kumbhabela					4	0	4	14	0	14	18	0	18	
	Saintala		Kumbhari	Dumerunda					26	0	26	10	0	10	36	0	36	
	Saintala	2	Deng	Deng					6	0	6	14	0	14	20	0	20	
	Saintala		Deng	Brahmani					5	0	5	13	0	13	18	0	18	
	Saintala		Deng	Burda					6	0	6	19	0	19	25	0	25	
	Saintala		Deng	Bijapadar					3	0	3	12	0	12	15	0	15	
	Saintala		Deng	Dhunke da					2	0	2	6	0	6	8	0	8	
	Saintala	3	Talbahal	Talbahal					16	4	20	24	0	24	40	4	44	
	Saintala		Talbahal	Suliamal					8	1	9	12	0	12	20	1	21	
	Saintala		Talbahal	Saledamak					12	5	17	13	0	13	25	5	30	
	Saintala		Talbahal	Ekagudi					16	1	17	14	0	14	30	1	31	
	Saintala		Talbahal	Lamkani					19	4	23	16	0	16	35	4	39	
	Saintala	4	Saintala	Saintala					0	0	0	18	0	18	18	0	18	
	Saintala		Saintala	Karlabhali					1	0	1	8	0	8	9	0	9	

Sain tala	5	Bibina	Bibna					1	0	1	9	0	9	10	0	10
Sain tala		Bibina	Tetelpa dar					1	0	1	5	0	5	6	0	6
Sain tala		Bibina	Jampad ar					1	0	1	4	0	4	5	0	5
Sain tala	6	Kermeli	Kermeli					1	0	1	10	0	10	11	0	11
Sain tala		Kermeli	Kareldh ua					1	0	1	9	0	9	10	0	10
Sain tala		Kermeli	Samara					0	0	0	15	0	15	15	0	15
Sain tala		Kermeli	Banaras					2	0	2	13	0	13	15	0	15
Sain tala		Kermeli	Junanim al					2	0	2	4	0	4	6	0	6
Sain tala		Kermeli	Sandas munda					1	0	1	8	0	8	9	0	9
Sain tala		Kermeli	Kharlika ni					1	0	1	5	0	5	6	0	6
Sain tala		Kermeli	Bagjor					0	0	0	8	0	8	8	0	8
Sain tala		Kermeli	Dangar munda					2	0	2	8	0	8	10	0	10
Sain tala		Kermeli	Lachut					0	0	0	10	0	10	10	0	10
Sain tala	7	Budhaba hal	Budaba hal					1	0	1	11	0	11	12	0	12
Sain tala		Budhaba hal	Remend a					2	0	2	23	0	23	25	0	25
Sain tala		Budhaba hal	Babukel gaon					1	0	1	8	0	8	9	0	9
Sain tala		Budhaba hal	Khariba hal					1	0	1	5	0	5	6	0	6
Sain tala		Budhaba hal	Mayam unda					1	0	1	5	0	5	6	0	6
Sain tala		Budhaba hal	Bandhp ada					0	0	0	8	0	8	8	0	8
Sain tala		Budhaba hal	Dunguri pali					1	0	1	14	0	14	15	0	15
Sain tala		Budhaba hal	Kuturam unda					1	0	1	6	0	6	7	0	7

Sain tala		Budhabahal	Dhumapali					1	0	1	8	0	8	9	0	9
Sain tala		Budhabahal	Malpada					0	0	0	7	0	7	7	0	7
Sain tala		Budhabahal	Liakani					0	0	0	6	0	6	6	0	6
Sain tala		Budhabahal	Khajurpada					0	0	0	10	0	10	10	0	10
Sain tala	8	Jhinkidungri	Jhinkidungri					14	5	19	42	0	42	56	5	61
Sain tala		Jhinkidungri	Jharbahali					42	25	67	33	0	33	75	25	100
Sain tala		Jhinkidungri	Surda					12	3	15	0	0	0	12	3	15
Sain tala		Jhinkidungri	lapher					25	12	37	23	0	23	48	12	60
Sain tala		Jhinkidungri	Dukalghat					21	5	26	14	0	14	35	5	40
Sain tala		Jhinkidungri	Patamara					11	6	17	17	0	17	28	6	34
Sain tala		Jhinkidungri	Nagfena					9	4	13	7	0	7	16	4	20
Sain tala		Jhinkidungri	Kendudar					57	25	82	18	0	18	75	25	100
Sain tala	9	Jurabandh	Jurabandh					29	14	43	32	0	32	61	14	75
Sain tala		Jurabandh	Nuamunda					26	12	38	34	0	34	60	12	72
Sain tala		Jurabandh	Saimara					8	3	11	0	0	0	8	3	11
Sain tala		Jurabandh	Kharselbanji					22	12	34	15	0	15	37	12	49
Sain tala		Jurabandh	Belghati					7	3	10	0	0	0	7	3	10
Sain tala		Jurabandh	Patnipita					12	9	21	9	0	9	21	9	30
Sain tala		Jurabandh	Gudramunda					24	10	34	1	0	1	25	10	35
Sain tala		Jurabandh	Khamganda					8	3	11	14	0	14	22	3	25
Sain tala		Jurabandh	Keomal					26	12	38	27	0	27	53	12	65

Sain tala	10	Juraband h	Dukerch achara					27	13	40	31	0	31	58	13	71
Sain tala		Karamtala	Karamtala					36	14	50	28	0	28	64	14	78
Sain tala		Karamtala	Chhanch hada					55	12	67	23	0	23	78	12	90
Sain tala		Karamtala	Tusatap ali					35	5	40	20	0	20	55	5	60
Sain tala		Karamtala	Rengal bahal					20	8	28	22	0	22	42	8	50
Sain tala		Karamtala	jhimanp ali					30	15	45	24	0	24	54	15	69
Sain tala		Karamtala	Dabjuri					49	29	78	16	0	16	65	29	94
Sain tala		Karamtala	Luthakand					11	5	16	0	0	0	11	5	16
Sain tala	11	Tikrapada	Tikrapada					98	97	195	0	5	5	98	102	200
Sain tala		Tikrapada	Kadlimunda					7	9	16	0	16	16	7	25	32
Sain tala		Tikrapada	Phatamunda					0	0	0	35	2	37	35	2	37
Sain tala		Tikrapada	Deagao n					0	0	0	61	4	65	61	4	65
Sain tala		Tikrapada	Kudasingha					0	0	0	60	5	65	60	5	65
Sain tala		Tikrapada	Merabahal					11	6	17	19	0	19	30	6	36
Sain tala		Tikrapada	Mantribahal					8	2	10	17	0	17	25	2	27
Sain tala		Tikrapada	Dhanput					4	2	6	11	0	11	15	2	17
Sain tala	12	Kandhak elgaon	Kandhak elgaon					3	1	4	6	0	6	9	1	10
Sain tala		Kandhak elgaon	Biratkan i					0	0	0	4	0	4	4	0	4
Sain tala		Kandhak elgaon	Sargipali					0	0	0	3	0	3	3	0	3
Sain tala		Kandhak elgaon	Sinakhaman					0	0	0	15	0	15	15	0	15
Sain tala		Kandhak elgaon	Dangarpada					4	1	5	8	0	8	12	1	13

Sain tala		Kandhak elgaon	Badmun da					0	0	0	9	0	9	9	0	9
Sain tala		Kandhak elgaon	Gurlama l					0	0	0	4	0	4	4	0	4
Sain tala		Kandhak elgaon	Manum unda					0	0	0	8	0	8	8	0	8
Sain tala		Kandhak elgaon	Runima hul					3	1	4	4	0	4	7	1	8
Sain tala		Kandhak elgaon	Jaliadha rh					5	2	7	15	0	15	20	2	22
Sain tala	13	Ampali	Ampali					0	0	0	9	0	9	9	0	9
Sain tala		Ampali	Kushmal					0	0	0	8	0	8	8	0	8
Sain tala		Ampali	Bheruan bhata					1	0	1	6	0	6	7	0	7
Sain tala		Ampali	Ghanta mal					1	0	1	6	0	6	7	0	7
Sain tala	14	Ghunsar	Ghunsar					1	0	1	19	0	19	20	0	20
Sain tala		Ghunsar	Deuli					1	0	1	14	0	14	15	0	15
Sain tala		Ghunsar	Dedhel					1	0	1	9	0	9	10	0	10
Sain tala		Ghunsar	Babu ulba					0	0	0	8	0	8	8	0	8
Sain tala		Ghunsar	Kandhul ba					0	0	0	9	0	9	9	0	9
Sain tala	15	Dunguri pali	Dunguri pali					1	0	1	9	0	9	10	0	10
Sain tala		Dunguri pali	Turchau per					2	0	2	8	0	8	10	0	10
Sain tala		Dunguri pali	Santupe r					2	0	2	7	0	7	9	0	9
Sain tala		Dunguri pali	Badipad a					1	0	1	5	0	5	6	0	6
Sain tala		Dunguri pali	Tendipal i					1	0	1	11	0	11	12	0	12
Sain tala		Dunguri pali	Kuargao n					2	0	2	13	0	13	15	0	15
Sain tala	16	Kansar	Kansar					1	0	1	4	0	4	5	0	5

Sain tala	17	Kansar	Bhejipadar					1	0	1	9	0	9	10	0	10
Sain tala		Kansar	Kenchhomuhan					1	0	1	8	0	8	9	0	9
Sain tala		Kansar	Dumermunda					1	0	1	4	0	4	5	0	5
Sain tala		Bhadra	Bhadra					8	2	10	11	0	11	19	2	21
Sain tala		Bhadra	Bargaon					9	2	11	12	0	12	21	2	23
Sain tala		Bhadra	Luhurapali					0	0	0	6	0	6	6	0	6
Sain tala		Bhadra	Barahamal					0	0	0	20	0	20	20	0	20
Sain tala		Bhadra	Nuapada					11	4	15	15	0	15	26	4	30
Sain tala		Bhadra	Jubamal					12	2	14	16	0	16	28	2	30
Sain tala		Bhadra	Rengali					0	0	0	20	0	20	20	0	20
Sain tala		Bhadra	Badamunda					11	3	14	14	0	14	25	3	28
Sain tala		Bhadra	Chitamara					2	1	3	0	9	9	2	10	12
Sain tala		Bhadra	Badmal					0	0	0	1	0	1	1	0	1
Sain tala		Bhadra	Khasbahal					14	5	19	16	0	16	30	5	35
Sain tala		Bhadra	Mahagon					0	0	0	16	0	16	16	0	16
Sain tala		Bhadra	Siletpada					0	0	0	3	0	3	3	0	3
Sain tala		Bhadra	Karelkhunta					0	0	0	18	0	18	18	0	18
Sain tala	18	Siskela	Siskela					0	0	0	22	0	22	22	0	22
Sain tala		Siskela	Jamtara					0	0	0	20	0	20	20	0	20
Sain tala		Siskela	Bhorpada					1	0	1	15	0	15	16	0	16
Sain tala		Siskela	Ghantabali					1	0	1	14	0	14	15	0	15

	Sain tala		Siskela	Chilbaha li					1	0	1	9	0	9	10	0	10
	Sain tala	19	Belgaon	Belgaon					0	0	0	20	0	20	20	0	20
	Sain tala		Belgaon	Siletpad a					0	0	0	20	0	20	20	0	20
	Sain tala		Belgaon	Bikabah ali					1	0	1	14	0	14	15	0	15
	Sain tala		Belgaon	Narabah ali					6	3	9	4	0	4	10	3	13
	Sain tala		Belgaon	Piprut					0	0	0	18	0	18	18	0	18
	Sain tala		Belgaon	Kusumk hal					7	2	9	29	0	29	36	2	38
	Sain tala	20	Dharapg ad	Dharapg ad					1	0	1	19	0	19	20	0	20
	Sain tala		Dharapg ad	Goelbha di					2	0	2	13	0	13	15	0	15
	Sain tala		Dharapg ad	Kusmel					1	0	1	2	0	2	3	0	3
	Sain tala		Dharapg ad	Makri					2	1	3	19	0	19	21	1	22
	Sain tala		Dharapg ad	Jamkhu nta					1	0	1	9	0	9	10	0	10
	Sain tala		Dharapg ad	Pendra mal					1	0	1	7	0	7	8	0	8
	Sain tala	21	Kuikeda	Kuikeda					1	0	1	10	0	10	11	0	11
	Sain tala		Kuikeda	Kamarla ga					1	0	1	5	0	5	6	0	6
	Sain tala		Kuikeda	Sikapatr apali					1	0	1	5	0	5	6	0	6
	Sain tala	22	Gandapa trapali	Gandap atrapali					2	0	2	20	0	20	22	0	22
	Sain tala		Gandapa trapali	Phapsi					1	0	1	9	0	9	10	0	10
	Sain tala		Gandapa trapali	Bhatasa r					1	0	1	4	0	4	5	0	5
Saintala Block Total									1040	425	1465	1794	41	1835	2834	466	3300
9	TUR EIK ELA	1	Tureikel a	Tureike la					94	48	142	45	0	45	139	48	187

	TUR EIK ELA		Tureikel a	Budhib ahal					27	18	45	8	0	8	35	18	53
	TUR EIK ELA		Tureikel a	Beniam al					16	10	26	6	0	6	22	10	32
	TUR EIK ELA		Tureikel a	Larki					68	31	99	23	0	23	91	31	122
	TUR EIK ELA		Tureikel a	Mahanil aha					35	14	49	10	0	10	45	14	59
	TUR EIK ELA		Tureikel a	Mahulb ahali					44	25	69	15	1	16	59	26	85
	TUR EIK ELA	2	Jharni	Jharni					56	41	97	25	0	25	81	41	122
	TUR EIK ELA		Jharni	Ramod					69	38	107	27	0	27	96	38	134
	TUR EIK ELA		Jharni	Rautmu nda					27	24	51	20	0	20	47	24	71
	TUR EIK ELA		Jharni	Nuapad a					19	10	29	17	0	17	36	10	46
	TUR EIK ELA		Jharni	Tetelkh unti					30	31	61	28	0	28	58	31	89
	TUR EIK ELA	3	Kuibaha l	Kuibah al					52	35	87	30	0	30	82	35	117
	TUR EIK ELA		Kuibaha l	Semla					42	25	67	24	0	24	66	25	91
	TUR EIK ELA		Kuibaha l	Banjipa li					34	24	58	15	0	15	49	24	73
	TUR EIK ELA		Kuibaha l	Samars ingh					53	34	87	30	0	30	83	34	117
	TUR	4	Hial	Hial					49	19	68	20	0	20	69	19	88

	EIK ELA																
	TUR EIK ELA		Hial	Khutulu munda					44	23	67	27	0	27	71	23	94
	TUR EIK ELA		Hial	Dabri					59	36	95	33	0	33	92	36	128
	TUR EIK ELA		Hial	Dumerc huan					46	17	63	18	0	18	64	17	81
	TUR EIK ELA		Hial	Karlaba hali					61	31	92	17	0	17	78	31	109
	TUR EIK ELA		Hial	Malpa munda					21	15	36	21	0	21	42	15	57
	TUR EIK ELA		Hial	Dusam unda					17	5	22	16	0	16	33	5	38
	TUR EIK ELA	5	Mahakh anda	Mahak handa					68	23	91	33	0	33	101	23	124
	TUR EIK ELA		Mahakh anda	Gadiajo re					32	13	45	20	0	20	52	13	65
	TUR EIK ELA		Mahakh anda	Nandol					22	8	30	15	0	15	37	8	45
	TUR EIK ELA		Mahakh anda	Sandhi bahali					20	7	27	16	0	16	36	7	43
	TUR EIK ELA		Mahakh anda	Bharua kani					20	8	28	16	0	16	36	8	44
	TUR EIK ELA	6	Kandei	Kandei					33	15	48	20	0	20	53	15	68
	TUR EIK ELA		Kandei	Tikrapa da					30	13	43	19	0	19	49	13	62
	TUR EIK		Kandei	Jubam al					32	20	52	22	0	22	54	20	74

	ELA																
	TUR EIK ELA		Kandei	Phatam unda					15	5	20	10	0	10	25	5	30
	TUR EIK ELA	7	Badban ki	Badban ki					97	42	139	43	0	43	140	42	182
	TUR EIK ELA		Badban ki	Muriba hal					60	40	100	32	0	32	92	40	132
	TUR EIK ELA		Badban ki	Charpa ni					57	29	86	22	0	22	79	29	108
	TUR EIK ELA		Badban ki	Mudka ni					27	17	44	19	0	19	46	17	63
	TUR EIK ELA		Badban ki	Salemu dga					35	20	55	22	0	22	57	20	77
	TUR EIK ELA		Badban ki	Jamki					24	14	38	18	0	18	42	14	56
	TUR EIK ELA		Badban ki	Sanban ki					19	10	29	16	0	16	35	10	45
	TUR EIK ELA	8	Dholma ndal	Dholma ndal					44	18	62	17	0	17	61	18	79
	TUR EIK ELA		Dholma ndal	Bahaba l					51	41	92	27	0	27	78	41	119
	TUR EIK ELA		Dholma ndal	Bariali					43	28	71	18	0	18	61	28	89
	TUR EIK ELA		Dholma ndal	Gavara					31	12	43	12	0	12	43	12	55
	TUR EIK ELA		Dholma ndal	Baghua pada					14	11	25	10	0	10	24	11	35
	TUR EIK ELA	9	Ghunes h	Ghunes h					31	25	56	16	0	16	47	25	72

	TUR EIK ELA		Ghunes h	Khujen					34	22	56	15	0	15	49	22	71
	TUR EIK ELA		Ghunes h	Bandha npali					22	17	39	13	0	13	35	17	52
	TUR EIK ELA		Ghunes h	Barla					27	22	49	14	0	14	41	22	63
	TUR EIK ELA		Ghunes h	Gadga dbahal					32	26	58	15	0	15	47	26	73
	TUR EIK ELA		Ghunes h	Kadobe da					30	26	56	16	0	16	46	26	72
	TUR EIK ELA	10	Baddak ala	Baddak ala					55	46	101	20	0	20	75	46	121
	TUR EIK ELA		Baddak ala	Gurlau da					27	10	37	16	0	16	43	10	53
	TUR EIK ELA		Baddak ala	Nagfen a					25	24	49	13	0	13	38	24	62
	TUR EIK ELA		Baddak ala	Tetelkh unti					21	26	47	16	0	16	37	26	63
	TUR EIK ELA		Baddak ala	Damnic huan					18	17	35	10	0	10	28	17	45
	TUR EIK ELA	11	Hallanb hata	Hallanb hata					26	16	42	9	0	9	35	16	51
	TUR EIK ELA		Hallanb hata	Bhaluk ona					61	29	90	28	0	28	89	29	118
	TUR EIK ELA		Hallanb hata	Kushpa li					37	20	57	10	0	10	47	20	67
	TUR EIK ELA		Hallanb hata	Kharli					48	31	79	20	0	20	68	31	99
	TUR		Hallanb	Debria					25	15	40	10	0	10	35	15	50

	EIK ELA		hata	munda													
	TUR EIK ELA		Hallanb hata	Gurjibh ata					14	6	20	10	0	10	24	6	30
	TUR EIK ELA		Hallanb hata	Nactab ahal					12	6	18	7	0	7	19	6	25
	TUR EIK ELA	12	Mahulp ati	Mahulp ati					97	65	162	52	0	52	149	65	214
	TUR EIK ELA		Mahulp ati	Gaindi mal					68	36	104	43	0	43	111	36	147
	TUR EIK ELA		Mahulp ati	Kandag ad					8	2	10	4	0	4	12	2	14
	TUR EIK ELA		Mahulp ati	Mallikd ora					7	5	12	4	0	4	11	5	16
	TUR EIK ELA		Mahulp ati	Magurj ungle					34	26	60	17	0	17	51	26	77
	TUR EIK ELA	13	Kameim unda	Kamei munda					16	10	26	12	0	12	28	10	38
	TUR EIK ELA		Kameim unda	Rahenb hata					13	7	20	8	0	8	21	7	28
	TUR EIK ELA		Kameim unda	Pakhan munda					35	24	59	10	0	10	45	24	69
	TUR EIK ELA		Kameim unda	Mandal a					29	25	54	7	0	7	36	25	61
	TUR EIK ELA		Kameim unda	Pandre n					15	9	24	8	0	8	23	9	32
	TUR EIK ELA	14	Karuam unda	Karuam unda					46	15	61	19	0	19	65	15	80
	TUR EIK		Karuam unda	Birna					38	14	52	15	0	15	53	14	67

	ELA																
	TUR EIK ELA		Karuam unda	Sargul					50	25	75	23	0	23	73	25	98
	TUR EIK ELA		Karuam unda	Kuliada ra					45	15	60	17	0	17	62	15	77
	TUR EIK ELA		Karuam unda	Sargigu da					27	7	34	16	0	16	43	7	50
	TUR EIK ELA		Karuam unda	Andalp uri					37	13	50	15	0	15	52	13	65
	TUR EIK ELA	15	Khagas a	Khagas a					59	35	94	40	0	40	99	35	134
	TUR EIK ELA		Khagas a	Makarc huan					35	29	64	10	0	10	45	29	74
	TUR EIK ELA		Khagas a	Laljhar a					17	12	29	8	0	8	25	12	37
	TUR EIK ELA		Khagas a	Salepa da					26	17	43	10	0	10	36	17	53
	TUR EIK ELA		Khagas a	Patimal					21	5	26	15	0	15	36	5	41
	TUR EIK ELA	16	Dhama ndanga	Dhama ndanga					69	54	123	30	0	30	99	54	153
	TUR EIK ELA		Dhama ndanga	Kandba hal					36	20	56	13	0	13	49	20	69
	TUR EIK ELA		Dhama ndanga	Jamutjh ula					58	69	127	30	0	30	88	69	157
	TUR EIK ELA		Dhama ndanga	Rajama ra					44	31	75	20	0	20	64	31	95
	TUR EIK ELA		Dhama ndanga	Baldas					26	21	47	9	0	9	35	21	56

	TUR EIK ELA		Dhama ndanga	Simani bahal					17	10	27	10	0	10	27	10	37
	TUR EIK ELA		Dhama ndanga	Kasam al					24	15	39	10	0	10	34	15	49
	TUR EIK ELA		Dhama ndanga	Bandha npali					21	8	29	12	0	12	33	8	41
	TUR EIK ELA	17	Chaulsu kha	Chauls ukha					44	32	76	24	0	24	68	32	100
	TUR EIK ELA		Chaulsu kha	Rengali					45	29	74	18	0	18	63	29	92
	TUR EIK ELA		Chaulsu kha	Dhums u					24	11	35	16	0	16	40	11	51
	TUR EIK ELA		Chaulsu kha	Jamutju ri					37	32	69	25	0	25	62	32	94
	TUR EIK ELA	18	Buromal	Buroma l					37	41	78	17	0	17	54	41	95
	TUR EIK ELA		Buromal	Kukuda had					69	66	135	41	0	41	110	66	176
	TUR EIK ELA		Buromal	Danga mara					41	27	68	18	0	18	59	27	86
	TUR EIK ELA		Buromal	Ghana mahul					31	13	44	14	0	14	45	13	58
	TUR EIK ELA		Buromal	Pakhan munda					25	15	40	14	0	14	39	15	54
	TUR EIK ELA	19	Chatua nka	Chatua nka					43	38	81	15	0	15	58	38	96
	TUR EIK ELA		Chatua nka	Kurli					47	23	70	13	0	13	60	23	83
	TUR		Chatua	Behere					41	31	72	17	0	17	58	31	89

	EIK ELA		nka	nsilet													
					1	KANTA BANJI NAC	1	Kant aban ji Ka, War d No. 7	3	2	5	2	0	2	5	2	7
							2	Kant aban ji Kha, Wor d No. 12	3	3	6	1	0	1	4	3	7
							3	Kant aban ji Kha, Wor d No. 13	4	3	7	1	0	1	5	3	8
							4	Kant aban ji Kha, Wor d No. 14	4	2	6	2	0	2	6	2	8
							5	Kant aban ji Ga,	4	2	6	2	0	2	6	2	8

							Wor d No.6										
							Kant aban ji Ga, Wor d No.8	4	2	6	3	0	3	7	2	9	
							Kant aban ji Ga, Wor d No.1										
						7	1	3	1	4	3	0	3	6	1	7	
<b>Turekela Block Total</b>					1	7		3809	2329	6138	1893	1	1894	5702	2330	8032	
10	Bangom unda	1	BANGO MUNDA	BANG OMUN DA				23	11	34	41	0	41	64	11	75	
	Bangom unda		BANGO MUNDA	GOHIR APADA R				15	6	21	16	0	16	31	6	37	
	Bangom unda	2	KHAIRA	KHAIR A				0	0	0	37	0	37	37	0	37	
	Bangom unda		KHAIRA	DUME RPADA				20	3	23	14	0	14	34	3	37	
	Bangom unda		KHAIRA	LUKAP ADA				0	0	0	19	0	19	19	0	19	
	Bangom unda		KHAIRA	PIPAL MUND A				13	7	20	14	0	14	27	7	34	
	Bangom unda		KHAIRA	TELIPA DAR				0	0	0	17	0	17	17	0	17	
	Bangom unda	3	BELPADA	BELPA DA				0	0	0	38	0	38	38	0	38	
	Bangom unda		BELPADA	BADGA MDA				12	4	16	32	0	32	44	4	48	
	Bangom		BELPADA	BAGBA				21	2	23	16	0	16	37	2	39	

	unda			HAL													
	Bangom unda		BELPADA	CHAULIA					0	0	0	24	0	24	24	0	24
	Bangom unda		BELPADA	DANGIA					12	1	13	16	0	16	28	1	29
	Bangom unda		BELPADA	DEOGAON					0	0	0	13	0	13	13	0	13
	Bangom unda		BELPADA	KHUJENBAHAL					9	6	15	17	0	17	26	6	32
	Bangom unda		BELPADA	PHUGUDA					16	9	25	33	0	33	49	9	58
	Bangom unda		BELPADA	PHUNDELDAR					0	0	0	13	0	13	13	0	13
	Bangom unda		BELPADA	SARDHAPUR					0	0	0	23	0	23	23	0	23
	Bangom unda		BELPADA	BARKANI					17	0	17	21	0	21	38	0	38
	Bangom unda	4	BHALUMUNDA	BHALUMUNDA					6	8	14	27	0	27	33	8	41
	Bangom unda		BHALUMUNDA	GANJABAHAL					0	0	0	29	0	29	29	0	29
	Bangom unda	5	JURABANDH	JURABANDH					0	0	0	31	0	31	31	0	31
	Bangom unda		JURABANDH	CHHATRANG					0	0	0	23	0	23	23	0	23
	Bangom unda		JURABANDH	MALPADA					9	6	15	17	0	17	26	6	32
	Bangom unda		JURABANDH	TALCHAKEL					23	7	30	23	0	23	46	7	53
	Bangom unda	6	BIRIPALI	BIRIPALI					0	0	0	14	0	14	14	0	14
	Bangom unda		BIRIPALI	BEDAPADA					13	1	14	17	0	17	30	1	31
	Bangom unda	7	BALDHA	BALDHA					14	3	17	38	0	38	52	3	55
	Bangom unda		BALDHA	BARLAHALI					0	0	0	26	0	26	26	0	26
	Bangom unda		BALDHA	SANMULA					4	2	6	29	0	29	33	2	35

	Bangom unda		BALDH A	SINDHI BHADI					7	4	11	31	0	31	38	4	42
	Bangom unda	8	KUNDA BUTLA	KUNDA BUTLA					9	5	14	34	0	34	43	5	48
	Bangom unda		KUNDA BUTLA	DUME RPADA					6	2	8	23	0	23	29	2	31
	Bangom unda		KUNDA BUTLA	BADIC HAKA					8	6	14	16	0	16	24	6	30
	Bangom unda		KUNDA BUTLA	NANGL AJURI					16	12	28	25	0	25	41	12	53
	Bangom unda	9	KAPILA BHATA	KAPILA BHATA					0	0	0	33	0	33	33	0	33
	Bangom unda		KAPILA BHATA	MALPA DA					0	0	0	13	0	13	13	0	13
	Bangom unda		KAPILA BHATA	TALBH ATA					17	0	17	8	0	8	25	0	25
	Bangom unda		KAPILA BHATA	ASURL A					0	0	0	21	0	21	21	0	21
	Bangom unda		KAPILA BHATA	BARTU NDA					0	0	0	23	0	23	23	0	23
	Bangom unda		KAPILA BHATA	SANDH ISAR					0	0	0	9	0	9	9	0	9
	Bangom unda	10	CHULIF UNKA	CHULI FUNKA					12	3	15	39	0	39	51	3	54
	Bangom unda		CHULIF UNKA	BHIRK APADA					0	0	0	12	0	12	12	0	12
	Bangom unda		CHULIF UNKA	BARKA NI					0	0	0	9	0	9	9	0	9
	Bangom unda		CHULIF UNKA	KANAB IRA					0	0	0	19	0	19	19	0	19
	Bangom unda		CHULIF UNKA	MANIG AON					7	6	13	18	0	18	25	6	31
	Bangom unda		CHULIF UNKA	NANAJ HAR					9	4	13	11	0	11	20	4	24
	Bangom unda		CHULIF UNKA	PATAL PADA					0	0	0	9	0	9	9	0	9
	Bangom unda		CHULIF UNKA	SAHAJ OT					0	0	0	8	0	8	8	0	8
	Bangom unda	11	MUNDP ADAR	MUND PADAR					19	2	21	27	0	27	46	2	48
	Bangom unda		MUNDP ADAR	GOBIN DPUR					8	2	10	18	0	18	26	2	28
	Bangom		MUNDP	GODR					0	0	0	10	0	10	10	0	10

	unda		ADAR	AMUN DA													
	Bangom unda		MUNDP ADAR	KANDB AHAL					0	0	0	9	0	9	9	0	9
	Bangom unda		MUNDP ADAR	BEHER ABAHA LI					5	4	9	7	0	7	12	4	16
	Bangom unda		MUNDP ADAR	SAGU NBHAD I					0	0	0	13	0	13	13	0	13
	Bangom unda		MUNDP ADAR	TITISIL ET					0	0	0	26	0	26	26	0	26
	Bangom unda	12	SINDH EKELA	SINDH EKELA					10	7	17	47	0	47	57	7	64
	Bangom unda		SINDH EKELA	JADAM UNDA					16	6	22	8	0	8	24	6	30
	Bangom unda		SINDH EKELA	LUHUR APALI					7	3	10	14	0	14	21	3	24
	Bangom unda		SINDH EKELA	PUTUP ADA					0	0	0	6	0	6	6	0	6
	Bangom unda		SINDH EKELA	SALEM UDGA					9	1	10	8	0	8	17	1	18
	Bangom unda		SINDH EKELA	BHATA SAR					17	3	20	13	0	13	30	3	33
	Bangom unda		SINDH EKELA	TELSA RAI					0	0	0	7	0	7	7	0	7
	Bangom unda	13	ALAND A	ALAND A					11	11	22	41	0	41	52	11	63
	Bangom unda		ALAND A	BAGAR TIPAD A					0	0	0	10	0	10	10	0	10
	Bangom unda		ALAND A	BAHAL GUVA					14	0	14	9	0	9	23	0	23
	Bangom unda		ALAND A	BAKAG URA					13	1	14	12	0	12	25	1	26
	Bangom unda		ALAND A	BHUNJ IPADA R					0	0	0	8	0	8	8	0	8
	Bangom unda		ALAND A	PANDR IPANI					23	3	26	11	0	11	34	3	37
	Bangom unda		ALAND A	PITAM AHUL					0	0	0	10	0	10	10	0	10
	Bangom unda		ALAND A	PUTUL ATALAI					21	1	22	27	0	27	48	1	49

	Bangom unda		ALAND A	TENTE LPADA					0	0	0	7	0	7	7	0	7
	Bangom unda	14	DEDHG AON	DEDH GAON					19	3	22	38	0	38	57	3	60
	Bangom unda		DEDHG AON	BAGBA HAL					0	0	0	17	0	17	17	0	17
	Bangom unda		DEDHG AON	PUDAP ALI					21	2	23	11	0	11	32	2	34
	Bangom unda		DEDHG AON	PURNI APALI					21	0	21	7	0	7	28	0	28
	Bangom unda	15	ARSAT ULA	ARSAT ULA					0	0	0	23	0	23	23	0	23
	Bangom unda		ARSAT ULA	BALBE NG					16	0	16	15	0	15	31	0	31
	Bangom unda		ARSAT ULA	DEHEL I					7	1	8	13	0	13	20	1	21
	Bangom unda		ARSAT ULA	KURDI AMUN DA					14	1	15	21	0	21	35	1	36
	Bangom unda	16	JHARIA L	JHARI AL					12	0	12	37	0	37	49	0	49
	Bangom unda		JHARIA L	BEHER ABHAT A					0	0	0	11	0	11	11	0	11
	Bangom unda		JHARIA L	BUDHI PADAR					16	1	17	19	0	19	35	1	36
	Bangom unda		JHARIA L	BAHAB AL					13	0	13	10	0	10	23	0	23
	Bangom unda		JHARIA L	PUDAP ALI					0	0	0	6	0	6	6	0	6
	Bangom unda		JHARIA L	RANIP UR					21	3	24	12	0	12	33	3	36
	Bangom unda	17	THEMR A	THEM RA					12	7	19	42	0	42	54	7	61
	Bangom unda		THEMR A	GOLAB ANDH					27	7	34	13	0	13	40	7	47
	Bangom unda		THEMR A	JAMTA RA					0	0	0	33	0	33	33	0	33
	Bangom unda		THEMR A	MALKA SADA					0	0	0	13	0	13	13	0	13
	Bangom unda		THEMR A	PHULB ANDH					0	0	0	16	0	16	16	0	16
	Bangom		THEMR	BARKA					0	0	0	23	0	23	23	0	23

	unda		A	NI													
	Bangom unda		THEMR A	UTKEL A					0	0	0	14	0	14	14	0	14
	Bangom unda	18	JHALA P	JHALA P					16	4	20	29	0	29	45	4	49
	Bangom unda		JHALA P	BHANP UR					19	11	30	11	0	11	30	11	41
	Bangom unda		JHALA P	MAMIA					0	0	0	13	0	13	13	0	13
	Bangom unda		JHALA P	SALEB ARAT					0	0	0	14	0	14	14	0	14
	Bangom unda	19	BHUSL AD	BHUSL AD					34	12	46	39	0	39	73	12	85
	Bangom unda		BHUSL AD	KIRAB AHAL					31	9	40	43	0	43	74	9	83
	Bangom unda		BHUSL AD	PALAS KHAND					29	13	42	37	0	37	66	13	79
	Bangom unda		BHUSL AD	PARUA BHADI					0	0	0	19	0	19	19	0	19
	Bangom unda	20	JAMKH UNTA	JAMKH UNTA					17	14	31	44	0	44	61	14	75
	Bangom unda		JAMKH UNTA	GHARL A					0	0	0	15	0	15	15	0	15
	Bangom unda		JAMKH UNTA	JAMPA DA					13	11	24	12	0	12	25	11	36
	Bangom unda		JAMKH UNTA	KALKU T					0	0	0	8	0	8	8	0	8
	Bangom unda		JAMKH UNTA	SRIRA M					0	0	0	34	0	34	34	0	34
	Bangom unda		JAMKH UNTA	TUREK ELA					0	0	0	29	0	29	29	0	29
	Bangom unda	21	CHAND OTARA	CHAN DOTAR A					28	13	41	44	0	44	72	13	85
	Bangom unda		CHAND OTARA	CHIND AGUD A					19	16	35	17	0	17	36	16	52
	Bangom unda		CHAND OTARA	KURLU BHATA					0	0	0	37	0	37	37	0	37
	Bangom unda	22	GANDH ARLA	GAND HARLA					21	11	32	43	0	43	64	11	75
	Bangom unda		GANDH ARLA	BARKA NI					0	0	0	12	0	12	12	0	12

	Bangom unda		GANDH ARLA	BATHA RLA					0	0	0	37	0	37	37	0	37
	Bangom unda		GANDH ARLA	DABJH AR					16	9	25	6	0	6	22	9	31
	Bangom unda		GANDH ARLA	BADPA DA					0	0	0	11	0	11	11	0	11
	Bangom unda		GANDH ARLA	JHINKI PADA					0	0	0	14	0	14	14	0	14
	Bangom unda		GANDH ARLA	SALEM UDGA					0	0	0	5	0	5	5	0	5
	Bangom unda		GANDH ARLA	SUND HIMUN DA					0	0	0	13	0	13	13	0	13
	Bangom unda	23	KANSIL	KANSI L					0	0	0	26	0	26	26	0	26
	Bangom unda		KANSIL	DHUN DIMAH UL					23	8	31	27	0	27	50	8	58
	Bangom unda		KANSIL	DUME RMUN DA					0	0	0	16	0	16	16	0	16
	Bangom unda		KANSIL	KHAIP ADAR					0	0	0	9	0	9	9	0	9
	Bangom unda		KANSIL	BALIK HAMA R					0	0	0	11	0	11	11	0	11
	Bangom unda	24	GANDH ARBAN DH	GAND HARBA NDH					0	0	0	26	0	26	26	0	26
	Bangom unda		GANDH ARBAN DH	JAIRPA DA					11	5	16	15	0	15	26	5	31
	Bangom unda		GANDH ARBAN DH	TETEL PADA					0	0	0	11	0	11	11	0	11
	Bangom unda		GANDH ARBAN DH	BURO BAHAL					0	0	0	18	0	18	18	0	18
	Bangom unda	25	BHURS AGUDA	BHURS AGUD A					29	3	32	34	0	34	63	3	66
	Bangom unda		BHURS AGUDA	GANJH IAPAD A					0	0	0	18	0	18	18	0	18

	Bangom unda		BHURS AGUDA	TITISIL ET					17	13	30	33	0	33	50	13	63
	Bangom unda	26	TUREK ELA	TUREK ELA					9	1	10	19	0	19	28	1	29
	Bangom unda		TUREK ELA	SANGA MDA					0	0	0	15	0	15	15	0	15
	Bangom unda		TUREK ELA	KUTRA BEDA					0	0	0	14	0	14	14	0	14
	Bangom unda		TUREK ELA	TETEL PADA					0	0	0	13	0	13	13	0	13
<b>Bango munda Block Total</b>		<b>26</b>							<b>1022</b>	<b>340</b>	<b>1362</b>	<b>2672</b>	<b>0</b>	<b>2672</b>	<b>3694</b>	<b>340</b>	<b>4034</b>
11	Muriba hal	1	CHALKI	CHALKI					9	5	14	131	0	131	140	5	145
	Muriba hal		CHALKI	JAMPAD AR					1	1	2	9	2	11	10	3	13
	Muriba hal		CHALKI	JAINTAR A					2	2	4	103	4	107	105	6	111
	Muriba hal		CHALKI	JAMLISA R					3	1	4	15	0	15	18	1	19
	Muriba hal		CHALKI	KARLA					4	2	6	50	0	50	54	2	56
	Muriba hal		CHALKI	BANKEL					3	2	5	21	0	21	24	2	26
	Muriba hal	2	CHALKI	GOBIND PUR					1	1	2	5	2	7	6	3	9
	Muriba hal		BANDUP ALA	BANDU PALA					4	2	6	91	0	91	95	2	97
	Muriba hal		BANDUP ALA	SANDHI BAHALI					2	1	3	29	0	29	31	1	32
	Muriba hal		BANDUP ALA	KACHHA RBHADI					2	1	3	15	2	17	17	3	20
	Muriba hal		BANDUP ALA	NUAMU NDA					3	1	4	22	1	23	25	2	27
	Muriba hal		BANDUP ALA	JAMUN ABAHAL					3	2	5	62	0	62	65	2	67
	Muriba hal	3	BANDUP ALA	SATIGH AT					3	1	4	21	3	24	24	4	28
	Muriba hal		ICHHAP ADA	ICHHAP ADA					4	2	6	87	0	87	91	2	93
	Muriba		ICHHAP	ANTARL					4	2	6	46	0	46	50	2	52

	hal		ADA	A													
	Muriba hal		ICHHAP ADA	RENGAL I				2	2	4	38	1	39	40	3	43	
	Muriba hal		ICHHAP ADA	BAYAUD AR				6	2	8	10	1	11	16	3	19	
	Muriba hal		ICHHAP ADA	SAIBIND HA				2	1	3	13	3	16	15	4	19	
	Muriba hal		ICHHAP ADA	BAGHU ABAHAL				2	1	3	26	0	26	28	1	29	
	Muriba hal		ICHHAP ADA	KATARL AGA				3	2	5	38	0	38	41	2	43	
	Muriba hal		ICHHAP ADA	JHARKH AMAR				2	1	3	25	0	25	27	1	28	
	Muriba hal		ICHHAP ADA	SARGUL				2	1	3	102	0	102	104	1	105	
	Muriba hal		ICHHAP ADA	BHAND ARBANJI				2	1	3	15	2	17	17	3	20	
	Muriba hal		ICHHAP ADA	Sagarpal i				1	0	1	0	0	0	1	0	1	
	Muriba hal	4	GUDIGH AT	GUDIGH AT				5	2	7	90	3	93	95	5	100	
	Muriba hal		GUDIGH AT	BIJAMA L				3	1	4	30	3	33	33	4	37	
	Muriba hal		GUDIGH AT	BALIKHA MAR				3	2	5	22	7	29	25	9	34	
	Muriba hal		GUDIGH AT	GHUSU RAMUN DA				7	3	10	88	2	90	95	5	100	
	Muriba hal		GUDIGH AT	BABEJU RI				4	2	6	36	0	36	40	2	42	
	Muriba hal		GUDIGH AT	BARBAN DH				5	2	7	60	1	61	65	3	68	
	Muriba hal	5	CHANAB AHAL	KURLUB AHAL				4	2	6	74	2	76	78	4	82	
	Muriba hal		CHANAB AHAL	PUDAPA LI				3	2	5	27	5	32	30	7	37	
	Muriba hal		CHANAB AHAL	LEDAPA DAR				2	1	3	41	5	46	43	6	49	
	Muriba hal		CHANAB AHAL	SUKUNA PADAR				3	2	5	42	3	45	45	5	50	
	Muriba hal		CHANAB AHAL	KUMBH ARI				6	3	9	99	4	103	105	7	112	

	Muriba hal		CHANAB AHAL	SALEPA DA					4	2	6	71	2	73	75	4	79
	Muriba hal		CHANAB AHAL	CHANAB AHAL					5	3	8	63	0	63	68	3	71
	Muriba hal	6	HALDI	HALDI					9	5	14	91	0	91	100	5	105
	Muriba hal		HALDI	JUGIRAT A					4	2	6	39	1	40	43	3	46
	Muriba hal		HALDI	JAMUN A					6	2	8	39	0	39	45	2	47
	Muriba hal		HALDI	TENTELK HUNTI					4	2	6	51	2	53	55	4	59
	Muriba hal		HALDI	KHALIAK ANI					3	2	5	25	0	25	28	2	30
	Muriba hal		HALDI	CHAULP HUDA					2	1	3	23	2	25	25	3	28
	Muriba hal		HALDI	DANGA RPADA					2	1	3	23	3	26	25	4	29
	Muriba hal		HALDI	KARLAPI TA					2	2	4	17	1	18	19	3	22
	Muriba hal		HALDI	KERMEL I					1	0	1	6	0	6	7	0	7
	Muriba hal		HALDI	JUBAMA L					1	1	2	6	0	6	7	1	8
	Muriba hal		HALDI	PUDISA RA					4	1	5	20	0	20	24	1	25
	Muriba hal		HALDI	KARLAB AHALI					2	1	3	25	1	26	27	2	29
	Muriba hal		HALDI	PATAM ARA					1	1	2	15	0	15	16	1	17
	Muriba hal	7	PATRAP ALI (B)	PATRAP ALI					3	2	5	60	2	62	63	4	67
	Muriba hal		PATRAP ALI (B)	LIMPAD A					3	1	4	39	5	44	42	6	48
	Muriba hal		PATRAP ALI (B)	KHERAT					3	1	4	38	2	40	41	3	44
	Muriba hal	8	GOIMU ND	BUDHIP ADAR					3	1	4	46	2	48	49	3	52
	Muriba hal		GOIMU ND	JHINKID UNGURI					4	2	6	59	0	59	63	2	65
	Muriba hal		GOIMU ND	CHITRA MUNDA					4	2	6	45	0	45	49	2	51
	Muriba		GOIMU	GURUN					5	3	8	43	0	43	48	3	51

	hal		ND	DA													
	Muriba hal		GOIMU ND	BHOIPA DA				5	3	8	57	0	57	62	3	65	
	Muriba hal		GOIMU ND	BHORM UNDA				0	0	0	8	0	8	8	0	8	
	Muriba hal		GOIMU ND	GOIMU ND				20	12	32	28	0	28	48	12	60	
	Muriba hal	9	DANGAR PADA	DANGA RPADA				3	2	5	54	0	54	57	2	59	
	Muriba hal		DANGAR PADA	DANDR A				5	3	8	86	0	86	91	3	94	
	Muriba hal		DANGAR PADA	SALEPA DA				2	1	3	34	0	34	36	1	37	
	Muriba hal		DANGAR PADA	NUAPA DA				1	1	2	19	0	19	20	1	21	
	Muriba hal		DANGAR PADA	KUDOB HATA				2	1	3	39	0	39	41	1	42	
	Muriba hal		DANGAR PADA	SARASP ADA				2	1	3	47	0	47	49	1	50	
	Muriba hal		DANGAR PADA	BAHAD UKI				1	1	2	25	0	25	26	1	27	
	Muriba hal		DANGAR PADA	SAHAJP ANI				4	2	6	73	0	73	77	2	79	
	Muriba hal		DANGAR PADA	MALIBA HAL				2	1	3	17	1	18	19	2	21	
	Muriba hal		DANGAR PADA	JANIPAD A				1	1	2	20	0	20	21	1	22	
	Muriba hal	10	MALISIR A	MALISIR A				3	3	6	89	0	89	92	3	95	
	Muriba hal		MALISIR A	DANGA BANJI				1	1	2	20	2	22	21	3	24	
	Muriba hal		MALISIR A	DENGPA DAR				1	1	2	25	0	25	26	1	27	
	Muriba hal		MALISIR A	BHUTIS ADA				1	1	2	18	0	18	19	1	20	
	Muriba hal		MALISIR A	KHARALI				3	1	4	56	0	56	59	1	60	
	Muriba hal		MALISIR A	CHIKINI BAHALI				3	2	5	38	1	39	41	3	44	
	Muriba hal		MALISIR A	KHAIRM AL				2	1	3	37	1	38	39	2	41	
	Muriba hal		MALISIR A	DESIL				4	1	5	82	0	82	86	1	87	

	Muriba hal	11	TUPAUD AR	TUPAUD AR					2	1	3	49	2	51	51	3	54
	Muriba hal		TUPAUD AR	BADUD AR					7	4	11	92	0	92	99	4	103
	Muriba hal		TUPAUD AR	SALEBH ATA					2	1	3	45	2	47	47	3	50
	Muriba hal		TUPAUD AR	SUKUNA BHATA					2	1	3	39	2	41	41	3	44
	Muriba hal		TUPAUD AR	DUNGU RIGUDA					2	1	3	36	0	36	38	1	39
	Muriba hal		TUPAUD AR	JAMKAN I					4	3	7	81	0	81	85	3	88
	Muriba hal		TUPAUD AR	SALEPA DA					2	1	3	47	1	48	49	2	51
	Muriba hal	12	LEBDA	LEBDA					8	5	13	123	0	123	131	5	136
	Muriba hal		LEBDA	PITAPA DA					2	1	3	29	2	31	31	3	34
	Muriba hal		LEBDA	TOTPAD A					4	2	6	61	0	61	65	2	67
	Muriba hal		LEBDA	MAKRIP ADA					3	2	5	42	0	42	45	2	47
	Muriba hal		LEBDA	GANDA PADAR					3	1	4	30	0	30	33	1	34
	Muriba hal		LEBDA	BRAHM NICHHA PAR					0	0	0	71	4	75	71	4	75
	Muriba hal	13	BELPAD AR	BELPAD AR					4	2	6	57	0	57	61	2	63
	Muriba hal		BELPAD AR	SIROL					5	6	11	143	0	143	148	6	154
	Muriba hal		BELPAD AR	CHINGE RMUND A					1	1	2	17	0	17	18	1	19
	Muriba hal		BELPAD AR	RAHENB HATA					1	0	1	5	0	5	6	0	6
	Muriba hal		BELPAD AR	DUNGRI GUDA					1	1	2	9	2	11	10	3	13
	Muriba hal	14	TENTULI KHUNTI	TIKRAPA DA					6	3	9	88	0	88	94	3	97
	Muriba hal		TENTULI KHUNTI	TENTULI KHUNTI					7	4	11	83	0	83	90	4	94
	Muriba		TENTULI	GUNCHI					6	4	10	90	0	90	96	4	100

	hal		KHUNTI TARA													
	Muriba hal		TENTULI KHUNTI	KHAJUR PADA				3	1	4	34	1	35	37	2	39
	Muriba hal	15	BANKEL	BANKEL				7	4	11	113	0	113	120	4	124
	Muriba hal		BANKEL	PUTULI				3	2	5	34	0	34	37	2	39
	Muriba hal		BANKEL	BALIPAD AR				2	1	3	23	0	23	25	1	26
	Muriba hal		BANKEL	DEJURI				8	5	13	127	0	127	135	5	140
	Muriba hal		BANKEL	PODMU NDI				2	1	3	33	2	35	35	3	38
	Muriba hal		BANKEL	RANABA NDH				6	3	9	84	0	84	90	3	93
	Muriba hal		BANKEL	LENJHA				5	3	8	77	0	77	82	3	85
	Muriba hal		BANKEL	DEBHIU N				3	2	5	46	1	47	49	3	52
	Muriba hal	16	PATRAP ALI (A)	PATRAP ALI				4	2	6	40	0	40	44	2	46
	Muriba hal		PATRAP ALI (A)	AINLAB HATA				3	1	4	28	0	28	31	1	32
	Muriba hal		PATRAP ALI (A)	JAMUT				7	4	11	79	0	79	86	4	90
	Muriba hal		PATRAP ALI (A)	LARIPAD A				1	1	2	19	0	19	20	1	21
	Muriba hal		PATRAP ALI (A)	LIMPAD A				2	1	3	25	0	25	27	1	28
	Muriba hal		PATRAP ALI (A)	MAKHA PALI				2	1	3	48	0	48	50	1	51
	Muriba hal		PATRAP ALI (A)	DEBANG				4	2	6	45	0	45	49	2	51
	Muriba hal		PATRAP ALI (A)	KHAPAD AR				2	1	3	24	0	24	26	1	27
	Muriba hal	17	BITABA NDH	BITABA NDH				4	1	5	35	1	36	39	2	41
	Muriba hal		BITABA NDH	GHANTB AHALI				3	2	5	52	0	52	55	2	57
	Muriba hal		BITABA NDH	RENGAL I				3	1	4	19	0	19	22	1	23
	Muriba hal		BITABA NDH	KANDAK HAL				3	1	4	35	0	35	38	1	39

	Muriba hal		BITABA NDH	PITAPA DA					1	1	2	20	1	21	21	2	23
	Muriba hal		BITABA NDH	Bileikani					2	1	3	0	0	0	2	1	3
	Muriba hal	18	GANREI	GANREI					4	2	6	83	0	83	87	2	89
	Muriba hal		GANREI	KHAND AKHAL					2	1	3	31	0	31	33	1	34
	Muriba hal		GANREI	ASURM UNDA					3	1	4	35	0	35	38	1	39
	Muriba hal		GANREI	DUDUK APADA					2	1	3	24	0	24	26	1	27
	Muriba hal		GANREI	PHATA MUNDA					9	1	10	32	0	32	41	1	42
	Muriba hal		GANREI	SILETPA DA					2	1	3	30	0	30	32	1	33
	Muriba hal		GANREI	BHAIRIG UBHA					3	1	4	42	1	43	45	2	47
	Muriba hal		GANREI	MALPA DA					3	2	5	58	0	58	61	2	63
	Muriba hal	19	MURIBA HAL	MURIBA HAL					4	2	6	72	0	72	76	2	78
	Muriba hal		MURIBA HAL	DUMER PADA					5	2	7	53	0	53	58	2	60
	Muriba hal		MURIBA HAL	BARAJU RA					3	1	4	35	2	37	38	3	41
	Muriba hal		MURIBA HAL	SALEPA DA					4	2	6	47	0	47	51	2	53
	Muriba hal		MURIBA HAL	GAMBH ARIKHO L					3	1	4	39	0	39	42	1	43
	Muriba hal		MURIBA HAL	PANGA NIA					3	2	5	34	0	34	37	2	39
	Muriba hal		MURIBA HAL	GHANTB AHALI					4	2	6	54	0	54	58	2	60
	Muriba hal		MURIBA HAL	BANBAH AL					2	1	3	34	0	34	36	1	37
	Muriba hal	20	LAKHNA	LAKHNA					5	2	7	51	0	51	56	2	58
	Muriba hal		LAKHNA	BRAHM NI					6	3	9	66	0	66	72	3	75
	Muriba hal		LAKHNA	SILETPA DA					1	1	2	36	0	36	37	1	38

	Muribahal		LAKHNA	SINGHPALI					2	1	3	29	0	29	31	1	32
	Muribahal		LAKHNA	KANDHENJHULA					1	1	2	25	0	25	26	1	27
	Muribahal		LAKHNA	PHUNDELPADAR					2	1	3	31	0	31	33	1	34
	Muribahal		LAKHNA	BIJGHAT					1	1	2	22	0	22	23	1	24
	Muribahal	21	GADGADBAAHAL	GADGADBAAHAL					3	2	5	56	0	56	59	2	61
	Muribahal		GADGADBAAHAL	TENTULKHUNTI					2	1	3	26	0	26	28	1	29
	Muribahal		GADGADBAAHAL	HADHADA					1	1	2	37	0	37	38	1	39
	Muribahal		GADGADBAAHAL	KATADUNGURI					2	1	3	38	0	38	40	1	41
	Muribahal		GADGADBAAHAL	DUMERMUNDA					2	1	3	28	0	28	30	1	31
	Muribahal	22	BADSAIMARA	BADSAIMARA					5	3	8	38	0	38	43	3	46
	Muribahal		BADSAIMARA	TENGERA					3	2	5	45	0	45	48	2	50
	Muribahal		BADSAIMARA	KARJURI					2	1	3	27	0	27	29	1	30
	Muribahal		BADSAIMARA	ANDALDORH					4	2	6	48	0	48	52	2	54
	Muribahal		BADSAIMARA	CHANUTMAL					2	1	3	30	0	30	32	1	33
	Muribahal		BADSAIMARA	AMJHARAN					1	1	2	13	1	14	14	2	16
	Muribahal		BADSAIMARA	DHATUKJURI					3	1	4	41	0	41	44	1	45
	Muribahal		BADSAIMARA	SANJHARBAHALI					3	2	5	43	1	44	46	3	49
	Muribahal		BADSAIMARA	DHUMMAL					2	1	3	18	0	18	20	1	21
	Muribahal		BADSAIMARA	KHALIAPALI					5	2	7	27	1	28	32	3	35
	Muribahal		BADSAIMARA	PATRAPALI					3	2	5	29	0	29	32	2	34
Muribahal Block Total		22							525	280	805	7083	111	7194	7608	391	7999

District Total	254	0		3	0	19	0	22089	4217	26306	29076	3309	32385	51165	7526	5869
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## 14.5 Detailed list of drought prone Villages in Balangir

Source: DEOC, Balangir

**List of Villages Vulnerable to Different Disasters**

Sl. No.	Name of the Block/ ULB	Name of the GP	Name of the Village/ Ward	Total No. of HHs	Total Population	Livestock	Cyclone	Tsunami	Flood	If Yes at column 'J' then mention the Causin g Factor	Land Slide	Drought	If Yes at 'M' column then mention the Cultivab le Area in Ha.	Lightning	Industrial / Chemical Accidents	If Yes at Column 'P' mention the Industr y name	Drinking Water Crisis
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	<b>Shown in various tables</b>																
2																	

**14.7 List of Hospitals/ Health Centers Exposed to Flood:**

Sl. No.	Name & Location of the Hospital/ Health Center	No. of Beds	Gram Panchayat Name	Block Name	Flood Causing Agent
1	Nil	0	0	0	0

**14.8 List of Schools/ AWC exposed to Flood:**

Sl. No.	Name & Location of the School	Gram Panchayat Name	Block Name	Flood Causing Agent
1	Nil	0	0	0

**14.9 Roads exposed to Flood**

Sl. No.	Road exposed to Flood	Road Type	Length in Km	Flood Causing Agent	Block Name
1					
2					
3					
4					

**14.10 Railway exposed to Flood**

Sl. No.	Flood Causing Agent	Village	Block	RAW/RAT	Length in Km	Section
1	Gate Sarobar	Behera Palli	Balangir	RAW	678/9-10	BLGR-LSX
2	Salebhata MIP	Salebhata	Loisingha	RAW	648/6-8	DKX-KHPL
3	Tedibandh/Loisingha Sarobar	Burda	Loisingha	RAW	660/3-15	KHPL-LSX
4	Tresul Band	Loisingha	Loisingha	RAT	662/9-12	LSX-BLGR
5	Danjarpada MIP	Dangarpada	Murhibahal	RAW	185/10-180/4	BRBL-RNBT

**Source: ADE, Balangir, Titilagarh & Kantabanji**

**Table No. 3.16 Village wise details of Population Requiring Special Care**

Sl. No.	Block/PS	GP	Village	HH	Population	HHs headed by Women	HHs headed by PWD	Child Population		No. of Persons With Disability (PWD)		No. of Widow	No. of Aged Persons (60 and above)		No. of Orphans		No. of Pregnant and lactating mothers
								0-5 Years	6-14 Years	M	F		M	F	M	F	
Excel Sheets attached (Page Layout view)																Village wise data Not Available	

Source: SECC, 2011

## Central Government Notification on constitution of NEC

2

THE GAZETTE OF INDIA : EXTRAORDINARY

[PART II—Section 3(1)]

### MINISTRY OF HOME AFFAIRS

#### NOTIFICATION

New Delhi, the 27th September, 2006

**S.O. 1616(E).**—In exercise of the powers conferred by Sub-section (1) of Section 8 of the Disaster Management Act, 2005 (53 of 2005), the Central Government hereby constitutes a National Executive Committee to carry out the various functions assigned to it under the said Act, consisting of the following members as specified in Sub-section (2) of Section 8 of the said Act, namely :—

- |  |              |
|--|--------------|
| (i) Secretary, Ministry of Home Affairs (having administrative control of disaster management) | —Chairperson |
| (ii) Secretary, Ministry of Agriculture, Department of Agriculture and Cooperation             | —Member      |
| (iii) Secretary, Department of Atomic Energy   | —Member      |
| (iv) Secretary, Ministry of Defence  | —Member      |
| (v) Secretary, Ministry of Rural Development, Department of Drinking Water Supply              | —Member      |
| (vi) Secretary, Ministry of Environment and Forests  | —Member      |
| (vii) Secretary, Ministry of Finance, Department of Expenditure                                | —Member      |
| (viii) Secretary, Ministry of Health and Family Welfare  | —Member      |
| (ix) Secretary, Ministry of Power  | —Member      |
| (x) Secretary, Ministry of Rural Development, Department of Rural Development                  | —Member      |
| (xi) Secretary, Ministry of Science and Technology, Department of Science and Technology       | —Member      |
| (xii) Secretary, Department of Space   | —Member      |
| (xiii) Secretary, Ministry of Communications, Department of Telecommunications                 | —Member      |
| (xiv) Secretary, Ministry of Urban Development, Department of Urban Development                | —Member      |
| (xv) Secretary, Ministry of Water Resources  | —Member      |
| (xvi) Chief of the Integrated Defence Staff of the Chiefs of Staff Committee.                  | —Member      |

[F. No. 30/1/2006-NDM-III(A)]

NAVEEN VERMA, Jt. Secy.

#### अधिसूचना

नई दिल्ली, 27 सितम्बर, 2006

**का.आ. 1617(अ).**—केन्द्रीय सरकार, आपदा प्रबंधन अधिनियम, 2005 (2005 का 53) की धारा 3 की उप-धारा (1) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, एतद्वारा, राष्ट्रीय आपदा प्रबंधन प्राधिकरण के नाम से एक प्राधिकरण की स्थापना करती है जो उक्त अधिनियम के अन्तर्गत राष्ट्रीय प्राधिकरण की शक्तियों एवं कार्यों का निर्वहन करेगा।

[फा. सं. 30/1/2006-एन डी एम-III(ए)]

नवीन वर्मा, संयुक्त सचिव

#### NOTIFICATION

New Delhi, the 27th September, 2006

**S.O. 1617(E).**—In exercise of the powers conferred by Sub-section (1) of Section 3 of the Disaster Management Act, 2005 (53 of 2005), the Central Government hereby establishes an authority to be known as the National Disaster Management Authority to discharge the powers and functions of the National Authority under the said Act.

[F. No. 30/1/2006-NDM-III(A)]

NAVEEN VERMA, Jt. Secy.

## Odisha Government Notification on reconstitution of SDMA

Government of Odisha  
Revenue & Disaster Management Department  
(Special Relief)

\*\*\*

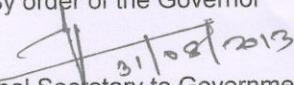
### NOTIFICATION

Bhubaneswar, the 31<sup>st</sup> August, 2013

No. 16/3 /R&DM (SR). In pursuance of sub-sections (1) and (2) of section 14 of the Disaster Management Act, 2005 (53 of 2005) and rule-3 of the Odisha Disaster Management Rules, 2010 and in partial modification of this Department Notification No. IV F OSDMA-24/10-42370/R&DM dt.20.10.2010, the State Government do hereby reconstitute the State Disaster Management Authority (SDMA), Odisha which shall consist of the following:

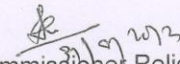
- |   |   |   |
|---|---|---|
| i) Chief Minister   | - | Chairperson <i>ex-officio</i>                         |
| ii) Minister, Revenue & Disaster Management                     | - | Member-cum-Vice-Chairman                              |
| iii) Minister, Agriculture                                      | - | Member  |
| iv) Minister, Finance   | - | Member  |
| v) Chief Secretary  | - | Member-cum- <i>ex-officio</i> Chief Executive Officer |
| vi) Development Commissioner/<br>Addl. Development Commissioner | - | Member  |
| vii) Secretary, Home Department                                 | - | Member  |
| viii) Secretary, Deptt. of Water Resources                      | - | Member  |
| ix) Secretary, Revenue & Disaster Management Department         | - | Member  |
| x) Special Relief Commissioner                                  | - | Member  |

By order of the Governor

  
Principal Secretary to Government  
& Special Relief Commissioner

Memo No. 16/4 Dt. 31/08/2013

Copy along with a soft copy forwarded to the Director, Printing, Stationary and Publication, Odisha, Cuttack for publication in an extra-ordinary issue of the Odisha Gazette and supply 500 copies to Revenue & D.M. Department.

  
Joint Commissioner Relief &  
*ex-officio* Joint Secy. to Govt.

## **Odisha Government Notification on constitution of SEC**



**GOVERNMENT OF ORISSA  
REVENUE & DISASTER MANAGEMENT DEPARTMENT**

\*\*\*\*

**NOTIFICATION**

Bhubaneswar, the 6<sup>th</sup> Dec. , 2010.

No. IVF-(OSDMA)-24/10- 50291 /R&DM., In pursuance of Sub-Section(1) and (2) of Section 20 of the Disaster Management Act, 2005 (53 of 2005), the State Government do hereby constitute the State Executive Committee with the following members to assist the State Authority in the performance of its functions and to coordinate action in accordance with the guidelines laid down by the State Authority and ensure the compliance of directions issued by the State Government under the said Act.

- |      |   |                           |
|------|---|---------------------------|
| i)   | Chief Secretary:  | Chairperson. ex-officio . |
| ii)  | Development Commissioner/<br>Addl. Development Commissioner | : Member                  |
| iii) | Agriculture Production Commissioner                         | : Member                  |
| iv)  | Secretary, Revenue and D.M. Department                      | : Member                  |
| v)   | Special Relief Commissioner                                 | : Member.                 |

By order of the Governor  
R.K.Sharma

Commissioner-cum-Secretary to Government

Memo No. 50292 / R&DM, Date 6/12/2010

Mr J. Rath

Copy along with a soft copy forwarded to the Director, Printing, Stationery and Publication, Orissa, Cuttack for publication in an extraordinary issue of the Orissa Gazette and supply 500 copies to Revenue & D.M. Department.

Joint Secretary to Government

Memo No. 50293 / R&DM, Date 6/12/2010

Copy forwarded to all Departments/ All Heads of Departments/ Member, Board of Revenue, Orissa, Cuttack/ Director General, Gopabandhu Academy of Administration/M.D. OSDMA, Bhubaneswar/ All R.D.Cs/ All Collectors for information and necessary action.

Joint Secretary to Government

P.T.O



33	Shri Bed Prakash Agarwalla, MLA, Patkura	Member
34	Shri Prasanta Kumar Muduli, MLA, Balikuda-Erasama	Member
35	Shri Surendra Sethi, MLA, Kakatpur	Member
36	Shri Laxman Munda, MLA, Bonai	Member
37	Chief Secretary, Odisha	Member
38	Member, Board of Revenue, Odisha	Member
39	Agriculture Production Commissioner, Odisha	Member
40	S.R.C. & Special Secretary, Revenue & D.M.	Member
41	Secretary, Agriculture	Member
42	Secretary, Energy	Member
43	Secretary, Finance	Member
44	Secretary, Food Supplies & C.W.	Member
45	Secretary, Rural Development	Member
46	Secretary, Water Resources	Member
47	Secretary, Cooperation	Member
48	Secretary, Revenue & D.M.	Member
49	Secretary, Health & F.W.	Member
50	Secretary, Housing & Urban Development	Member

2. The Committee will meet as and when necessary to review the situation arising out of Natural Calamities.

3. The function of the Committee shall be: -

- To advise the Government regarding precautionary measures to be taken in respect of flood, drought and other natural calamities;
- To assess the situation arising out of such calamities;
- To recommend to Government the nature and quantum of relief; and
- To recommend to Government the policy to be adopted in giving such relief in areas affected by such calamities.

4. Members of the Legislative Assembly who attend the meetings of the Committee are entitled to get TA & DA as admissible to them under the Odisha Legislative Assembly Members' Salaries and Allowances Act and Rules issued thereunder in accordance with Finance Department Resolution No.7635/F dated 4<sup>th</sup> March 1972, as amended from time to time.


**ORDER:** Ordered that the Resolution be published in the extra-ordinary issue of the Odisha Gazette for general information.

Ordered that copies of Resolution be forwarded to all members of the Committee/ All Departments of Government/ All Heads of Departments/ Secretary to Governor/ All District Offices/ Accountant General, Odisha, Bhubaneswar for information.

By Order of Governor

*[Signature]* 18/06/2014  
Principal Secretary to Government  
& Special Relief Commissioner

## Odisha Government Notification on constitution of DDMA



**GOVERNMENT OF ORISSA**  
**REVENUE & DISASTER MANAGEMENT DEPARTMENT**  
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**NOTIFICATION**

Dated, Bhubaneswar, the 12th November, 2010.

No. IVF-(OSDMA)-24/10- 46254 /R&DM., In pursuance of sub-sections (1) and (2) of section 25 of the Disaster Management Act, 2005 (53 of 2005), the State Government do hereby establish the District Disaster Management Authority for the district of Bolangir in the State of Orissa which shall consist of the following:-

(i) Collector & District Magistrate	-	Chairperson, ex-officio
(ii) Chairman, Zilla Parishad	-	Co-Chairperson, ex-officio
(iii) Superintendent of Police	-	Member, ex-officio
(iv) Chief District Medical Officer	-	Member, ex-officio
(v) The Executive Engineer in charge of embankments.	-	Member, ex-officio
(vi) ADM, in charge of emergency	-	Chief Executive Officer, ex-officio.
(vii) Executive Engineer, Rural Development Department.	-	Member
(viii) Project Director, DRDA	-	Member
(ix) Dy. Director, Agriculture	-	Member

By order of the Governor  
 R.K.Sharma,  
 Commissioner-cum-Secretary to Government

## Important Phone Numbers

### Important Emergency Numbers

Sl.	Emergency Service	Number
1	State Emergency Operation Centre	1070
2	District Emergency Operation Centre	1077
3	Police	100
4	Fire	101
5	Ambulance	102/108
6	Emergency Medical Ambulance	108
7	Railway Accident	1072
8	Road Accident	1073
9	Weather Information	10001801717
10	Women Helpline	181
11	Child Abuses	1098

### Satellite Phone Numbers

Sl	Districts	Calling Numbers
1	Collector Angul	870776146926
2	Collector Balasore	870776146936
3	Collector Bargarh	870776146928
4	Collector Bhadrak	870776146927
5	Collector Bolangir	870776146930
6	Collector Boudh	870776146929
7	Collector Cuttack	870776146932
8	Collector Deogarh	870776146931
9	Collector Dhenkanal	870776146934
10	Collector Gajapati	870776146933

11	Collector Ganjam	870776146949
12	Collector Jagatsinghpur	870776146950
13	Collector Jajpur	870776146947
14	Collector Jharsuguda	870776146948
15	Collector Kalahandi	870776146945
16	Collector Kandhamal	870776146946
17	Collector Kendrapada	870776146943
18	Collector Keonjhar	870776146944
19	Collector Khorda	870776146935
20	Collector Koraput	870776146942
21	Collector Malkangiri	870776146918
22	Collector Mayurbhanj	870776146925
23	Collector Nabarangpur	870776146924
24	Collector Nayagarh	870776146923
25	Collector Nuapada	870776146921
26	Collector Puri	870776146922
27	Collector Rayagada	870776146919
28	Collector Sambalpur	870776146920
29	Collector Subarnapur	870776146951
30	Collector Sundargarh	870776146952
31	ODRAF Cuttack, OASP 6th Battalion	870776146961
32		870776146962
33	ODRAF Bhubaneswar, OSAP 7th Battalion	870776146959
34		870776146960

35	ODRAF Baripada, OSAP 5th Battalion	870776146957
36		870776146958
37	ODRAF Rourkela, OSAP 4th Battalion	870776146955
38		870776146956
39	ODRAF Koraput, OSAP 3rd Battalion	870776146953
40		870776146954
41	ODRAF Jharsuguda, OSAP 2nd Battalion	870776146908
42		870776146909
43	ODRAF Chatrapur, OSAP 8th Battalion	870776146906
44		870776146907
45	ODRAF Balasore	870776146904
46		870776146905
47	ODRAF Bolangir	870776146902
48		870776146903
49	ODRAF Jagatsinghpur	870776146963
50		870776146964
51	Special Relief Commissioner (SEOC)	870776146917
52	Managing Director, OSDMA	870776146916

**Contact Details of Balangir District**

SI No	DESIGNATION	NAME	MOBILE	e-mail ID
1	2	3	7	9
1	Collector & DM, Balangir	Arindam Dakua, IAS	8895768995	dm-balangir@nic.in
2	SP, Balangir	K Siva Subramany, IPS	94389-16510	spblg.orphol@nic.in
3	P.D., DRDA, Balangir	Maheswar Swain	94370-39863 94371-01736	ori-dbolangir@nic.in
4	A.D.M. Balangir	Parikshit Sethi	94371-65172	adm-balangir@nic.in
5	Sub-Collector, Balangir	Bhairab Singh Patel	94371-92643	subcol.bola-od@nic.in, sdmbgr@gmail.com
6	Sub-Collector, Patnagarh	Sri Jadumani Mahala	94375-44078	subcol.patn-od@nic.in , subcollector.ptg@gmail.com
7	Sub-Collector, Titlagarh	Sudhakara Nayak	82491-10614	subcol.titl-od@nic.in, subcoll_ttg@yahoo.com
8	District Emergency Officer	Shankarshan Pradhan	94382-86132, 82497-45303	<a href="mailto:emrqbgl@gmail.com">emrqbgl@gmail.com</a>
9	CDMO, Balangir		94399-87100	<a href="mailto:cdmobalangir@gmail.com">cdmobalangir@gmail.com</a>
10	CDVO, Balangir	Dr. Gagan Bihari Routray	94372-75310	cdvobgr@gmail.com
11	CSO, Balangir	Sri Abhiram Pradhan	94382-00035	cso-bol@nic.in
12	D.S.W.O., Balangir	Mrs JJ Patra	94371-68209	dswobolangir@nic.in
13	D.W.O., Balanigr			dwo.balangir@gmail.com
14	DDA, Balangir	Sridhara Das	94370-82128	ddabolangir.dag@nic.in
15	DDH, Balangir	Prafulla Ku. Swain	87634-24834	ddhbolangir.od@nic.in
16	DEO,Bgr	Subodh Kumar Dash	94382-02467	deobolangir.sme@nic.in deobolangir@gmail.com
17	DFO(T),Bgr	Rasmi Ranjan Naik	94370-32948	dfobalangir@gmail.com
18	DIPRO, Balangir	Jayadev Panigrahi	94370-83259	diproffice@gmail.com
19	Dist Social Security Officer, Balangir	Ksirodra Tripathy	94376-38854	dssobalangir15@gmail.com

20	Dist. Panchayat Officer	S.K. Meher	82497-54708	dpogpbgr@rediffmail.com dpo.od-bol@nic.in
21	E.E. (R&B) Balangir	Nalinikanta Dash	94371-73616	eepwd.bgr@rediffmail.com, eepwd.bgr@gmail.com
22	E.E.(R&B) Kantabanji	Digambar Biswal	94398-69440	eerbkbj@rediffmail.com
23	E.E. RWSS, Balangir	Suresh Ch. Mahanta	82804-08031	eerwss_blg@nic.in
24	E.E.RWD, Balangir	Bhibhudendra Meher	94372-55326	
25	E.E.RWD, Titilagarh	D.N. Patnaik	94372-55327	
26	E.E.RWD, Titilagarh	S.S. Mahapatra	94375-62334	
27	E.E.MI, Balangir	Hiralal Panigrahi	94374-18046	mid_balangir@yahoo.co.in
28	E.E. OLIC, Balangir	Rajendra Dash	94370-93282	eelsdam-eicwr.od@nic.in
29	E.E. PHD, Balangir			eephbgr@yahoo.co.in
30	E.E.Irrigation, Bgr	Chandeswar Behera	94373-16077	eeolicbgr@gmail.com, eebolang-eicwr.od@nic.in
31	E.E.Irrigation Titg.	Ashok Samal	94371-40828	eetitila-eicwr.od@nic.in
32	E.E.NH, Balangir	Ashok Ku. Padhi	98610-96349	eenhbolangir@gmail.com
33	E.E.WESCO,Balangir		94370-58104	ee_elec_bolangir@wescooris sa.com
34	E.O., Municipality, Balangir	Gureswar Bhoi		bgrmc1972@gmail.com
35	E.O., Municipality, Titilagarh	Santosh Ku. Behera	94376-39301	titilagarhnac@gmail.com
36	E.O., NAC Patnagarh	Kulamani Khatua	94390-09791	nac_ptg@yahoo.in
37	E.O., NAC, Kantabanji	Thakur, JE	94371-50965	nackantabanji@gmail.com
38	E.O., NAC, Tusura	Santosh Ku. Behera	94376-39301	nactusura@gmail.com
39	R.T.O., Balangir	P.K.Mishra	94371-63409	rto_bolangir@yahoo.co.in

40	S.E., WESCO, Balangir		94370-58076	se_elec_bolangir@wescooris sa.com
41	BDO, Agalpur	Sri Sudarshan Say	9437124122	<a href="mailto:ori-agalpur@nic.in">ori-agalpur@nic.in</a>
42	BDO, Balangir I/C	Sri P.K. Sahu	99375-26675	ori-bbolangir@nic.in
43	BDO, Bangomunda	Sri Aniruddha Pradhan	70080-72527	ori-bangomunda@nic.in
44	BDO, Belpada	Miss Priyadarshini Mirdha	97760-16761	ori-belpara@nic.in
45	BDO, Deogaon	Benath Lakra	94375-77367	ori-deogaon@nic.in
46	BDO, Gudvela	Sri Rambilash Mangraj	99380-47623	ori-gudvella@nic.in
47	BDO, Khaprakhol	Sri Tarani Suna	94382-92852	ori-khaprakhol@nic.in
48	BDO, Loisingha	Sri Ramachandra Khadia	91787-48056	ori-loisinga@nic.in
49	BDO, Muribahal I/C	Sri Naresh Ch. Behera	94374-19848	ori-muribahal@nic.in
50	BDO, Patnagarh	Sri Nilamadhab Suna	90788-36932	ori-patnagarh@nic.in
51	BDO, Puintala	Saroj Ku. Mishra	9776531049	ori-puintala@nic.in
52	BDO, Saintala I/C	Sri Pradip Ku. Pattnaik	94371-54956	ori-saintala@nic.in
53	BDO, Titilagarh	Sri Motilal Sulia	95600-86395	ori-titilagarh@nic.in
54	BDO, Turekela	Sri P.K. Sahu	94371-50535	ori-tureikela@nic.in
55	Tahasildar Agalpur	Sri Ugrasen Oram	95569-13059	tah.agal-od@nic.in
56	Tahasildar, Balangir	Lalat Ku. Luha	99385-06300	tah.bolangir-od@nic.in
57	Tahasildar, Bangomunda	Gunamani Sunani	94373-52513	tah.banga-od@nic.in
58	Tahasildar, Belpada	Rama Krushna Mishra	77510-20701	tah.belp-od@nic.in
59	Tahasildar, Deogaon	Smt. Sonali Patra	94383-47305	tah.deogaon-od@nic.in
60	Tahasildar, Kantabanji	Ashok Ku. Majhi	70085-44755	tah.kantab-od@nic.in
61	Tahasildar, Khaprakhol	Ananda Panda	82494-79989	tah.khapra-od@nic.in

62	Tahasildar, Loisinga	Smt. Arati Bhoi	86583-51207	tah.lsgblgr@nic.in
63	Tahasildar, Muribahal	Miss. Sarita Gupta	73270-97414	tah.moribahal-od@nic.in
64	Tahasildar, Patngarh	Dr. Puspanjali Panda	94385-68801	tah.patnag-od@nic.in
65	Tahasildar, Puintala	Miss. Swetapadma Jhosh	82608-57257	tah.puintala-od@nic.in
66	Tahasildar, Saintala	Suman Kishor Dungdung	70773-03685 80968-20234	tah.saint-od@nic.in
67	Tahasildar, Titilagarh	Swadip Ku. Topo	95408-20952	tah.titlag-od@nic.in
68	Tahasildar, Tusura	Chandramani Nag	73259-05047	tah.tusura-od@nic.in
69	B.E.O, Agalpur	Manjulata Bhoi	9938794568	<a href="mailto:beoagalpur.sme.od@nic.in">beoagalpur.sme.od@nic.in</a> <a href="mailto:beoagalpur@gmail.com">beoagalpur@gmail.com</a>
70	B.E.O, Loisingha	Rina Kumari Behera	7008282865	<a href="mailto:beobalangir.sme.od@nic.in">beobalangir.sme.od@nic.in</a> <a href="mailto:beobalangir.sme.od@nic.in">beobalangir.sme.od@nic.in</a>
71	B.E.O, Balangir	Richpal Sagar	7978799393	beobangamunda.sme.od@nic.in beobangomunda@gmail.com
72	B.E.O, Puintala	Nepal Chandra Bag	8018963119	beobelapara.sme.od@nic.in beobelpada@gmail.com
73	B.E.O, Deogaon	Bhagyabati Dash	9178877542	beosaintala.sme.od@nic.in beosaintala@gmail.com
74	B.E.O, Gudvela	Akhila Deep	9937477576	beotitilagarh.sme.od@nic.in beotitilagarh@gmail.com
75	B.E.O, Saintala	Flora Guria	9938839193	beomuribahal.sme.od@nic.in beomuribahal@gmail.com
76	B.E.O, Titilagarh	Mukunda Mahara	9178061772	beokhaprakhol.sme.od@nic.in beokhaprakhol@gmail.com
77	B.E.O, Bangomunda	Hemsagar Bhoi	8018114597	beopatnagarh.sme.od@nic.in beopatnagarh@gmail.com
78	B.E.O, Muribahal	Jagannath Dharua	9178831206	beopuintala.sme.od@nic.in

				beopuintala@gmail.com
79	B.E.O,Turekela	Jagannath Dharua I/C	9178831206	beotureikela.sme.od@nic.in beoturekela@gmail.com
80	B.E.O,Patnagarh	Shasthi Jhankar, I/C	9438415840	beoloisingha.sme.od@nic.in beoloisingha@gmail.com
81	B.E.O, Belpada	Baikuntha Sabar	8658993146	beodeogaon.sme.od@nic.in beodeogaon@gmail.com
82	B.E.O,Khaprakhol	Shasthi Jhankar	9438415840	beoguduvella.sme.od@nic.in beogudvela@gmail.com
83	BPM, CHC, AGALPUR	Prabir Kumar Meher	9439985754	CHC Agalpur <bpoagalpur@gmail.com>
84	BPM, CHC,SINDHEKELA	Sir. Susanta Pradhan	9439987465	Sindhekela CHC <chcsindhekela@gmail.com>
85	BPM, CHC, BELPARA	Rashmi Ranjan Purohit	9439985792	CHC Belpara <nhm belpara@gmail.com>
86	BPM, CHC, CHUDAPALI	Smt. Sudhanjali Mishra	9439985834	CHC Chudapali <bpmchudapali@gmail.com>
87	BPM, CHC, DEOGAON	Kumud Ranjan Naik	9439985880	Deogoan CHC <chcdeogaon1@gmail.com>
88	BPM, CHC, GUDVELLA	Rakesh Roshan Mishra	9439985966	BPMU Gudvella <nhm gudvella@gmail.com>
89	BPM, CHC, KHAPRAKHOL	Jugal Kishor Sahu	9439987264	BPMU Khaprakhol <nhm khaprakhol@gmail.com>
90	BPM, CHC, LOISINGHA	Santosh Dora	9439987357	Loisingha CHC <bpmulois@gmail.com>
91	BPM, CHC, MURIBAHAL	Amiya Kumar Raipalia	9439987406	Muribahal CHC <chcmuribahalnham@gmail.com >
92	BPM,CHC, GHASIAN	Ashutosh Bohidar	9439985900	<a href="mailto:bpmghasian@gmail.com">CHC Ghasian &lt;bpmghasian@gmail.com&gt;</a>

93	BPM, CHC, JAMGAON	Kalyan Kumar Sahani	9439987249	CHC Jamgoan <bpmupuintala@gmail.com>
94	BPM, CHC, SAINTALA	Paresh Kumar Sahu	9439987445	<a href="#">CHC Saintala</a> <bpmunhmchcsaintla@gmail.com>
95	BPM, CHC, KHOLAN	Sitakanta Nag	9439987301	CHC Kholan <bpmunhmkholaan@gmail.com>
96	BPM, CHC, TUREKELA	Manoj Kumar Patel	9439987491	Turekela CHC <turekelachc@gmail.com>
97	BPM, CHC, Kantabanji	NA	NA	Kantabanji CHC <chckantabanji@gmail.com>
98	BPM, CHC, SDH PATNAGARH	Ghanashyam Tripathy	9439985885	Patnagarh SDH <sdhptg2@gmail.com>
99	BPM, SDH, Titilagarh	Diptiranjana padhan	9439987137	Titilagarh SDH < sdh.titl1@gmail.com>
100	PHEO, CHC, AGALPUR	Bharati Sahu	9439985753	CHC Agalpur <bpoagalpur@gmail.com>
101	PHEO,CHC,SINDHEKELA	Ananda Mishra	9439987459	Sindhekela CHC <chcsindhekela@gmail.com>
102	PHEO,CHC, BELPARA	Manjulata Sethi	9439985791	CHC Belpara <nhmhbelpara@gmail.com>
103	PHEO,,CHC, CHUDAPALI	Ritanjali Mishra	9439985833	CHC Chudapali <bpmchudapali@gmail.com>
104	PHEO,CHC, DEOGAON	Laxman Kumar Meher	9439985868	Deogoan CHC <chcdeogaon1@gmail.com>
105	PHEO,CHC, GUDVELLA	Riku Bhoi	9439999719	BPMU Gudvella <nhmugudvella@gmail.com>
106	PHEO,CHC, KHAPRAKHOL	Balchandra Chhatra	9439987263	BPMU Khaprakhol <nhmkhaprakhol@gmail.com>
107	PHEO,,CHC, LOISINGHA	Ramesh Ch Sahu	9439987343	Loisingha CHC

				<bpmulois@gmail.com>
108	PHEO,CHC, MURIBAHAL	Bishnumurari Patel	9439987387	Muribahal CHC <chcmuribahalnham@gmail.com>
109	PHEO,CHC, GHASIAN	Gopinath Nayak	9439985938	<a href="mailto:bpmghasian@gmail.com">CHC Ghasian &lt;bpmghasian@gmail.com&gt;</a>
110	PHEO,CHC, JAMGAON	Brundaban Sahu	9439987250	CHC Jamgoan <bpmupuintala@gmail.com>
111	PHEO,CHC, SAINTALA	Sri Mina Kumari Tripathy	9439987444	<a href="mailto:bpmunhmchcsaintla@gmail.com">CHC Saintala &lt;bpmunhmchcsaintla@gmail.com&gt;</a>
112	PHEO,CHC, KHOLAN	Purna Chandra Rana	9439987336	CHC Kholan <bpmunhmkholaan@gmail.com>
113	PHEO,CHC, TUREKELA	Anup Singh Majhi	9439987490	Turekela CHC <turekelachc@gmail.com>
114	PHEO,CHC, Kantabanji	NA	NA	Kantabanji CHC <chckantabanji@gmail.com>
115	PHEO,CHC, SDH PATNAGARH	NA	NA	Patnagarh SDH <sdhptg2@gmail.com>
116	PHEO,,CHC, SDH Titlagarh	NA	NA	Titlagarh SDH <sdh.titl1@gmail.com>
117	Medical Officer, CHC, AGALPUR	Dr. Dharendra Ku Mehera	9439999729	CHC Agalpur <bpoagalpur@gmail.com>
118	Medical Officer,CHC,SINDHEKELA	Dr. Lili Bhoi	6371734631	Sindhekela CHC <chcsindhekela@gmail.com>
119	Medical Officer,CHC, BELPARA	Dr. Rabindra Meher	9439985829	CHC Belpara <nhmhbelpara@gmail.com>
120	Medical Officer,CHC, CHUDAPALI	Dr. Tarun Ku Bhoi	9439985830	CHC Chudapali <bpmchudapali@gmail.com>
121	Medical Officer, CHC,	Dr. Surendra Ku.	9439985888	Deogoan CHC

	DEOGAON	Karatia		<chcdeogaon1@gmail.com>
122	Medical Officer,CHC, GUDVELLA	NA	9439985969	BPMU Gudvella <nhmgudvella@gmail.com>
123	Medical Officer,CHC, KHAPRAKHOL	Dr. Prahallad Meher	9439987262	BPMU Khaprakhol <nhmkhaprakhol@gmail.com>
124	Medical Officer,CHC, LOISINGHA	Dr. Sweta Satpathy	9439987339	Loisingha CHC <bpmulois@gmail.com>
125	Medical Officer,CHC, MURIBAHAL	Dr. Baidyanath Mishra	9439987397	Muribahal CHC <chcmuribahalnham@gmail.com >
126	Medical Officer,CHC, GHASIAN	Dr. Sujaya Ku Meher	9439985901	<a href="mailto:bpmghasian@gmail.com">CHC Ghasian &lt;bpmghasian@gmail.com&gt;</a>
127	Medical Officer,CHC, JAMGAON	Dr. Kasturi raman singh	9439985998	CHC Jamgoan <bpmupuintala@gmail.com>
128	Medical Officer,CHC, SAINTALA	Dr. Sudha Barla	9439987440	<a href="mailto:bpmunhmchcsaintla@gmail.com">CHC Saintala &lt;bpmunhmchcsaintla@gmail.com&gt;</a>
129	Medical Officer,CHC, KHOLAN	Dr. Minaketan Kisan	9439987800	CHC Kholan <bpmunhmkholaan@gmail.com >
130	Medical Officer,CHC, TUREKELA	Dr. Dhunda Munda	9439987488	Turekela CHC <turekelachc@gmail.com>
131	Medical Officer,CHC, Kantabanji	Dr. Pradumna Ku Patra	9437367558	Kantabanji CHC <chckantabanji@gmail.com>
132	Medical Officer,CHC, SDH PATNAGARH	Dr. Dillip Kumar Biswal	7978649887	Patnagarh SDH <sdhptg2@gmail.com>
133	Medical Officer,CHC, SDH Titlagarh	Dr Setarani Mishra	9439987089	Titlagarh SDH < sdh.titl1@gmail.com>
134	GPEO, Agalpur	Sri Gobinda Bhoi	9668231928	<a href="mailto:ori-agalpur@nic.in">ori-agalpur@nic.in</a>
135	GPEO, Balangir I/C	Sri Sarathi Sahu	9777711772	ori-bbolangir@nic.in

136	GPEO, Bangomunda	Sri Sudhir Ch. Thakur	9437526526	ori-bangomunda@nic.in
137	GPEO, Belpada	Sei Bihari Lal Barik	8895003604	ori-belpara@nic.in
138	GPEO, Deogaon	Sri Mishra	9437879894	ori-deogaon@nic.in
139	GPEO, Gudvela	Sri Himanshu Sh. Mishra	9437151762	ori-gudvella@nic.in
140	GPEO, Khaprakhhol	Sri Sushanta Pani	9583163044	ori-khaprakhhol@nic.in
141	GPEO, Loisingha	Mrs. Puspanjali Naik	9178892085	ori-loisinga@nic.in
142	GPEO, Muribahal I/C	Sri Nilakantha Kalsai	9178633688	ori-muribahal@nic.in
143	GPEO, Patnagargh	Sri Lalmohan Budek	9348891020	ori-patnagarh@nic.in
144	GPEO, Puintala	Sri Rudra Pr. Suna	8280277665	ori-puintala@nic.in
145	GPEO, Saintala I/C	Sri Kishore Mansingh	8327779174	ori-saintala@nic.in
146	GPEO, Titilagarh	Sri Laxman Pradhan	9437291680	ori-titilagarh@nic.in
147	GPEO, Turekela	Sei Bhaktabandhu Budek	938573193	ori-tureikela@nic.in

## INDIA DISASTER RESOURCE NETWORK

ITEM DETAILS	DEPARTMENT/AGENCY DETAILS	ITEM'S INFORMATION
Item No - 104 Name - Electric Drill Type - Specific Equipment Description - Electric Drill	Dept Name - Chief Dist.Medical Officer Addr - Health & FW Deptt. Contact - Dr.Sarada Prasad Mishra.. Addr - CDMO balangir Tel.No - 232243 (O),232466(R),234554 Mobile - 9437194978 Fax - 234554 Email-	Nos/Quantity Available - 1Nos Item Location - CDMO Office Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017
Item No - 105 Name - Circular Saw with Diamond Blade(Electric) Type - Specific Equipment Description - Circular Saw withDiamonde Blade(Electric)	Dept Name - Chief Dist.Medical Officer Addr - Health & FW Deptt. Contact - Dr.Sarada Prasad Mishra.. Addr - CDMO balangir Tel.No - 232243 (O),232466(R),234554 Mobile - 9437194978 Fax - 234554 Email-	Nos/Quantity Available - 1Nos Item Location - CDMO office,Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017
Item No - 105 Name - Circular Saw with Diamond Blade(Electric) Type - Specific Equipment Description - For cutting small trees	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 105 Name - Circular Saw with Diamond Blade(Electric) Type - Specific Equipment Description - Model - Sharpex/35 For cutting small trees	Dept Name - Fire Station - Muribahal Addr - Fire Station - Muribahal Contact - OIC - LFM Addr - Tel.No - 9937010784,, Mobile - 9937010784 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Muribahal Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 105 Name - Circular Saw with Diamond Blade(Electric) Type - Specific Equipment Description - Model - Sharpex/35 (For cutting small trees)	Dept Name - Fire Station - Bangomunda Addr - Fire Station - Bangomunda Contact - OIC - ASO Addr - Tel.No - 9437490830,, Mobile - 9437490830 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Bangomunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-880 (For cutting small trees)	Dept Name - Fire Station - Bangomunda Addr - Fire Station - Bangomunda Contact - OIC - ASO Addr - Tel.No - 9437490830,, Mobile - 9437490830 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Bangomunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017

Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-880 (For cutting small trees)	Dept Name - Fire Station - Muribahal Addr - Fire Station - Muribahal Contact - OIC - LFM Addr - Tel.No - 9937010784,, Mobile - 9937010784 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Muribahal Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-880 (For cutting small trees)	Dept Name - Fire Station - Kantabanji Addr - Fire Station - Kantabanji Contact - OIC - LFM Addr - Tel.No - 8270322590,, Mobile - 8270322590 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Kantabanji Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - TRAKITA.DCS 7301 (For cutting small trees)	Dept Name - Fire Station - Khaprakhol Addr - Fire Station - Khaprakhol Contact - OIC - LFM Addr - Tel.No - 9439572711,, Mobile - 9437169469 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Khaprakhol Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-660 (For cutting small trees)	Dept Name - Fire Station - Agalpur Addr - Fire Station - Agalpur Contact - OIC - ASO Addr - Tel.No - 8280308511,, Mobile - 9437186620 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Agalpur Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-880 (For cutting small trees)	Dept Name - Fire Station - Mahimunda Addr - Fire Station - Mahimunda Contact - OIC - LFM Addr - Fire Station - Mahimunda Tel.No - 9938870599,, Mobile - 9938870599 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Mahimunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/17/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS880 (For cutting small trees)	Dept Name - Fire Station - Saintala Addr - Fire Station - Saintala Contact - OIC - LFM Addr - Saintala Tel.No - 8895529176,, Mobile - 8895529176 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Saintala Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-880 (For cutting small trees)	Dept Name - Fire Station - Loisingha Addr - Fire Station - Loisingha Contact - OIC - LFM Addr - Tel.No - 9437584559,, Mobile - 9439430269 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Loisingha Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017

Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-660 (For cutting small trees)	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Fire Station - Balangir Tel.No - 06652-232333,, Mobile - 066522323 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 3/4/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-880 (For cutting small trees)	Dept Name - Fire Station - Belpada Addr - Fire Station - Belpada Contact - OIC - LFM Addr - Tel.No - 06658-264777,, Mobile - 264777 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Belpada Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-880 (For cutting small trees)	Dept Name - Fire Station - Titilagarh Addr - Fire Station - Titilagarh Contact - OIC - S.O Addr - Tel.No - 06655-220477,, Mobile - 220477 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Titilagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - Good Condition	Dept Name - ODRAF Addr - ODRAF UNIT Balangir, At- Manoharpur, Dist- Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 02Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/21/2019
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-880 (For cutting small trees)	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Patnagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - Model- Sharpex (For cutting small trees)	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Deogaon Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 107 Name - Chain Saw- Diamond Type - Specific Equipment Description - STIHL MS-660 (For cutting small trees)	Dept Name - ODRAF Addr - ODRAF, RO, ODRAF UNIT, Manoharpur, Balangit Contact - Asst Comm. Addr - Tel.No - 06652-232449,, Mobile - 9437173597 Fax - Email-	Nos/Quantity Available - 20Nos Item Location - ODRAF UNIT, Manoharpur, Balangit Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017

Item No - 108 Name - Chain Saw-Bullet Type - Specific Equipment Description - Chain Saw-Bullet	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 09Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/21/2019
Item No - 109 Name - Pneumatic Chisel Type - Specific Equipment Description - Pneumatic Chisel	Dept Name - Chief Dist.Medical Officer Addr - Health & FW Deptt. Contact - Dr.Sarada Prasad Mishra.. Addr - CDMO balangir Tel.No - 232243 (O),232466(R),234554 Mobile - 9437194978 Fax - 234554 Email-	Nos/Quantity Available - 1Nos Item Location - CDMO Office,Bolangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017
Item No - 110 Name - Cutters- Hydraulic Type - Specific Equipment Description - Cutters-Hydraulic	Dept Name - Chief Dist.Medical Officer Addr - Health & FW Deptt. Contact - Dr.Sarada Prasad Mishra.. Addr - CDMO balangir Tel.No - 232243 (O),232466(R),234554 Mobile - 9437194978 Fax - 234554 Email-	Nos/Quantity Available - 1Nos Item Location - CDMO Office,Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017
Item No - 110 Name - Cutters- Hydraulic Type - Specific Equipment Description - Good condition	Dept Name - ODRAF Addr - ODRAF unit BalangirManoharpurBalangir Contact - R.I. of police Addr - ManoharpurBalangir Tel.No - ,, Mobile - 8895075053 Fax - Email-	Nos/Quantity Available - 02Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 5/21/2019
Item No - 110 Name - Cutters- Hydraulic Type - Specific Equipment Description - For cutting Big tree Sharer (Electric)	Dept Name - ODRAF Addr - ODRAF Balangir Unit, Manoharpur, Balangir Contact - Asst Comm. Addr - Tel.No - 06652-232449,, Mobile - 9437173597 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - ODRAF Balangir Unit, Manoharpur, Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
em No - 111 Name - Cutters-Battery Type - Specific Equipment Description - Cutters-Battery	Dept Name - Chief Dist.Medical Officer Addr - Health & FW Deptt. Contact - Dr.Sarada Prasad Mishra.. Addr - CDMO balangir Tel.No - 232243 (O),232466(R),234554 Mobile - 9437194978 Fax - 234554 Email-	Nos/Quantity Available - 1Nos Item Location - CDMO Office,Bolangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017

Item No - 112 Name - Spreaders- Hydraulic Type - Specific Equipment Description - Spreaders Hydraulic	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 02Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/21/2019
Item No - 114 Name - Air Lifting bags (Different capacity)/Tools Type - Specific Equipment Description - Air lifting Bags	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 02Sets Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/21/2019
Item No - 119 Name - Two handled cross cut-saw Type - Specific Equipment Description - Two handled cross cut saw	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 06Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/21/2019
Item No - 122 Name - Smoke Blower and Exhauster Type - Specific Equipment Description - Air Blower	Dept Name - Forest Deptt. Addr - Divisional Forest Office In front of Head Post Office Balangir Contact - Divisional Forest Officer Addr - Tel.No - 06652232948,06652232949, Mobile - 9437032948 Fax - Email- dfobolangir@gmail.com	Nos/Quantity Available - 96Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- no Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/25/2019
Item No - 122 Name - Smoke Blower and Exhauster Type - Specific Equipment Description - Air Blower	Dept Name - FOREST Addr - Divisional Forest Office In front of Head Post Office Balangir Contact - DFO Addr - Tel.No - 06652232948,06652232949, Mobile - 9437032948 Fax - Email-	Nos/Quantity Available - 96Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- NA Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/27/2019
Item No - 122 Name - Smoke Blower and Exhauster Type - Specific Equipment Description - Exhauster(Small)	Dept Name - Forest Addr - Divisional Forest Office In front of Head post office Balangir Contact - DFO Addr - Tel.No - 06652232948,06652232949, Mobile - 9437033948 Fax - Email-	Nos/Quantity Available - 110Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- NA Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/27/2019
Item No - 131 Name - Slotted Screwdrivers Type - Specific Equipment Description - Scollet Screwdrivers	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 20Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/21/2019

Item No - 132 Name - Traps 4 X 4 meters Type - Specific Equipment Description - Traps 4x4 meters	Dept Name - ODRAP Addr - ODRAP unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 20Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/21/2019
Item No - 134 Name - Lifting tackle - 3 ton Type - Specific Equipment Description - Lifting tackle- 3 ton	Dept Name - ODRAP Addr - ODRAP unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 30Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/21/2019
Item No - 136 Name - Aspects Blanket Type - Specific Equipment Description - Aspects Blanket	Dept Name - ODRAP Addr - ODRAP unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 08Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/21/2019
Item No - 138 Name - Inflatable Light Tower Type - Specific Equipment Description - Inflatable light tower	Dept Name - ODRAP Addr - ODRAP unit Balangir Manoharpur Balangir Contact - RI of POLICE Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 18Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 138 Name - Inflatable Light Tower Type - Specific Equipment Description - ASKA No. 2518 & 2522 (for lighting purpose)	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 138 Name - Inflatable Light Tower Type - Specific Equipment Description - ASKA No. 3196 & 3217 (for lighting purpose)	Dept Name - Fire Station - Titilagarh Addr - Fire Station - Titilagarh Contact - OIC - S.O Addr - Tel.No - 06655-220477,, Mobile - 220477 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Titilagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 138 Name - Inflatable Light Tower Type - Specific Equipment Description - ASKA No. 2521 & 2527 (for lighting purpose)	Dept Name - Fire Station - Gudvela Addr - Fire Station - Gudvela Contact - OIC - ASO Addr - Tel.No - 06652-286101,, Mobile - 286101 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Gudvela Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017

Item No - 138 Name - Inflatable Light Tower Type - Specific Equipment Description - ASKA No. 2518 & 2522 (for lighting purpose)	Dept Name - ODRAF Addr - ODRAF Balangir Unit, Manoharpur, Balangir Contact - Asst Comm. Addr - Tel.No - 06652-232449,, Mobile - 9437173597 Fax - Email-	Nos/Quantity Available - 20Nos Item Location - ODRAF Balangir Unit, Manoharpur, Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 138 Name - Inflatable Light Tower Type - Specific Equipment Description - ASKA No. 3163 & 3209 (for lighting purpose)	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Patnagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model- Chaterjee & Co.(for lighting purpose)	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Patnagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model- Chaterjee & Co. (for lighting purpose)	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Deogaon Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model-MMER (for lighting purpose)	Dept Name - ODRAF Addr - ODRAF Balangir Unit, Manoharpur, Balangir Contact - Asst Comm. Addr - Tel.No - 06652-232449,, Mobile - 9437173597 Fax - Email-	Nos/Quantity Available - 10Nos Item Location - ODRAF Balangir Unit, Manoharpur, Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model- Chatterjee & Co (for lighting purpose)	Dept Name - Fire Station - Kantabanji Addr - Fire Station - Kantabanji Contact - OIC - LFM Addr - Tel.No - 8270322590,, Mobile - 8270322590 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Kantabanji Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model-Sharp Shooter (for lighting purpose)	Dept Name - Fire Station - Khaprakhol Addr - Fire Station - Khaprakhol Contact - OIC - LFM Addr - Tel.No - 9439572711,, Mobile - 9437169469 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Khaprakhol Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017

Item No - 140 Name - Search light Type - Specific Equipment Description - Model- Grand (for lighting purpose)	Dept Name - Fire Station - Loisingha Addr - Fire Station - Loisingha Contact - OIC - LFM Addr - Tel.No - 9437584559,, Mobile - 9439430269 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Loisingha Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model- Chaterjee & Co.(for lighting purpose)	Dept Name - Fire Station - Saintala Addr - Fire Station - Saintala Contact - OIC - LFM Addr - Tel.No - 8895529176,, Mobile - 8895529176 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Saintala Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model- Chatterjee & Co (for lighting purpose)	Dept Name - Fire Station - Mahimunda Addr - Fire Station - Mahimunda Contact - OIC - LFM Addr - Tel.No - 9938870599,, Mobile - 9938870599 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Mahimunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
tem No - 140 Name - Search light Type - Specific Equipment Description - Model- PIECO (for lighting purpose)	Dept Name - Fire Station - Agalpur Addr - Fire Station - Agalpur Contact - OIC - ASO Addr - Tel.No - 8280308511,, Mobile - 9437186620 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Agalpur Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model- H4 Chatterjee & Co. (for lighting purpose)	Dept Name - Fire Station - Belpada Addr - Fire Station - Belpada Contact - OIC - LFM Addr - Tel.No - 06658-264777,, Mobile - 264777 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Belpada Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model- Reliance Electronics (for lighting purpose)	Dept Name - Fire Station - Gudvela Addr - Fire Station - Gudvela Contact - OIC - ASO Addr - Tel.No - 06652-286101,, Mobile - 286101 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Gudvela Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 140 Name - Search light Type - Specific Equipment Description - Model-MMER (for lighting purpose)	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017

Item No - 140 Name - Search light Type - Specific Equipment Description - Search light	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 24Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 140 Name - Search light Type - Specific Equipment Description - Search Light	Dept Name - Forest Addr - Divisional Forest Office In front of Head post office Balangir Contact - DFO Addr - Tel.No - 06652232948,06652232949, Mobile - 9437032948 Fax - Email- dfobolangir@gmail.com	Nos/Quantity Available - 10Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- NA Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/27/2019
Item No - 141 Name - Electric Generator (10 kv) Type - Specific Equipment Description - Electric generator	Dept Name - R&B Addr - R&B,Balangir Contact - E E R&B, Balangir Addr - EE, R&B,Balangir Tel.No - 232374,, Mobile - Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Tusura Airstrip Available Time - January to December Source - Govt Operator Available- no Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017
Item No - 141 Name - Electric Generator (10 kv) Type - Specific Equipment Description - Electric Generator	Dept Name - ODRAF Addr - ODRAF unit Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 02Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 141 Name - Electric Generator (10 kv) Type - Specific Equipment Description - Electric Generator (5 kv)	Dept Name - REVENUE Addr - COLLECTORATE, BALANGIR Contact - DIST. EMERGENCY OFFICER Addr - COLLECTORATE, BALANGIR Tel.No - 06652-232452,06652- 231554,06652-232001 Mobile - Fax - 06652-233082 Email-	Nos/Quantity Available - 1Nos Item Location - COLLECTORATE, BALANGIR Available Time - January to December Source - Govt Operator Available- no Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017
Item No - 146 Name - Cranes - Heavy Duty, Fork type Type - Specific Equipment Description - For temporary shed purpose	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Deogaon Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 146 Name - Cranes - Heavy Duty, Fork type Type - Specific Equipment Description - For temporary shed purpose	Dept Name - Fire Station - Kantabanji Addr - Fire Station - Kantabanji Contact - OIC - LFM Addr - Tel.No - 8270322590,, Mobile - 8270322590 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Kantabanji Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017

Item No - 148 Name - Recovery Vans Beam Type Type - Specific Equipment Description - Recovery vans beam type	Dept Name - ODRAF Addr - ODRAF unit Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 01Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 152 Name - Rescue back boards Type - Specific Equipment Description - Rescue back boards	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 02Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 153 Name - Diving suit Type - Specific Equipment Description - Diving Suit	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 02Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 154 Name - Under water BA set Type - Specific Equipment Description - Under water BA set	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 02Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 154 Name - Under water BA set Type - Specific Equipment Description - Interspiro Print-1809	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Bee Tee	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 5Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Bharat Traders	Dept Name - Fire Station - Gudvela Addr - Fire Station - Gudvela Contact - OIC - ASO Addr - Tel.No - 06652-286101,, Mobile - 286101 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Gudvela Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model- Uni (Care) ULB 17	Dept Name - Fire Station - Belpada Addr - Fire Station - Belpada Contact - OIC - LFM Addr - Tel.No - 06658-264777,, Mobile - 264777 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Belpada Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017

Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Bee Tee	Dept Name - Fire Station - Titilagarh Addr - Fire Station - Titilagarh Contact - OIC - S.O Addr - Tel.No - 06655-220477,, Mobile - 220477 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Titilagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Lifebouy	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 20Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model- Uni (Care) TM ULB-17	Dept Name - Fire Station - Kantabanji Addr - Fire Station - Kantabanji Contact - OIC - LFM Addr - Tel.No - 8270322590,, Mobile - 8270322590 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Kantabanji Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Bee Tee	Dept Name - Fire Station - Khaprakhol Addr - Fire Station - Khaprakhol Contact - OIC - LFM Addr - Tel.No - 9439572711,, Mobile - 9437169469 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Khaprakhol Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Bharat Traders	Dept Name - Fire Station - Muribahal Addr - Fire Station - Muribahal Contact - OIC - LFM Addr - Tel.No - 9937010784,, Mobile - 9937010784 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Muribahal Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Bharat Traders	Dept Name - Fire Station - Bangomunda Addr - Fire Station - Bangomunda Contact - OIC - ASO Addr - Tel.No - 9437490830,, Mobile - 9437490830 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Bangomunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
m No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Bee Tee	Dept Name - Fire Station - Agalpur Addr - Fire Station - Agalpur Contact - OIC - ASO Addr - Tel.No - 8280308511,, Mobile - 9437186620 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Agalpur Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017

Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model- Uni (Care)	Dept Name - Fire Station - Mahimunda Addr - Fire Station - Mahimunda Contact - OIC - LFM Addr - Tel.No - 9938870599,, Mobile - 9938870599 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Mahimunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Uni (Care) ULB 17	Dept Name - Fire Station - Saintala Addr - Fire Station - Saintala Contact - OIC - LFM Addr - Tel.No - 8895529176,, Mobile - 8895529176 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Saintala Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model- Unit (Care)	Dept Name - Fire Station - Loisingha Addr - Fire Station - Loisingha Contact - OIC - LFM Addr - Tel.No - 9437584559,, Mobile - 9439430269 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Loisingha Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Bee Tee	Dept Name - ODRAF Addr - ODRAF Balangir Unit, Manoharpur, Balangir Contact - Asst Comm. Addr - Tel.No - 06652-232449,, Mobile - 9437173597 Fax - Email-	Nos/Quantity Available - 20Nos Item Location - ODRAF Balangir Unit, Manoharpur, Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Uni (Care)TM	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 6Nos Item Location - Fire Station - Deogaon Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - Model-Bee Tee	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - Fire Station - Patnagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 155 Name - Lifebuoy Type - Specific Equipment Description - lifebuoy	Dept Name - REVENUE Addr - COLLECTORATE, BALANGIR Contact - DIST. EMERGENCY OFFICER Addr - COLLECTORATE, BALANGIR Tel.No - 06652-232452,06652- 231554,06652-232001 Mobile - Fax - 06652-233082 Email-	Nos/Quantity Available - 5Nos Item Location - COLLECTORATE, BALANGIR Available Time - January to December Source - Govt Operator Available- no Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017

Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Life Jackets	Dept Name - REVENUE Addr - COLLECTORATE, BALANGIR Contact - DIST. EMERGENCY OFFICER Addr - COLLECTORATE, BALANGIR Tel.No - 06652-232452,06652-231554,06652-232001 Mobile - Fax - 06652-233082 Email-	Nos/Quantity Available - 5Nos Item Location - COLLECTORATE, BALANGIR Available Time - January to December Source - Govt Operator Available- NA Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Last updated on 2/18/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model- Bharat Traders	Dept Name - Fire Station - Muribahal Addr - Fire Station - Muribahal Contact - OIC - LFM Addr - Tel.No - 9937010784,, Mobile - 9937010784 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Muribahal Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model-Bee Tee	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 5Nos Item Location - Fire Station - Patnagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model- Bharat Traders	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 6Nos Item Location - Fire Station - Deogaon Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model-Avanta solas	Dept Name - ODRAF Addr - ODRAF Balangir Unit, Manoharpur, Balangir Contact - Asst Comm. Addr - Tel.No - 06652-232449,, Mobile - 9437173597 Fax - Email-	Nos/Quantity Available - 100Nos Item Location - ODRAF Balangir Unit, Manoharpur, Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model- Bee Tee	Dept Name - Fire Station - Loisingha Addr - Fire Station - Loisingha Contact - OIC - LFM Addr - Tel.No - 9437584559,, Mobile - 9439430269 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Loisingha Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model-Bee Tee	Dept Name - Fire Station - Saintala Addr - Fire Station - Saintala Contact - OIC - LFM Addr - Tel.No - 8895529176,, Mobile - 8895529176 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Saintala Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017

Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model- Bharat Traders	Dept Name - Fire Station - Mahimunda Addr - Fire Station - Mahimunda Contact - OIC - LFM Addr - Tel.No - 9938870599,, Mobile - 9938870599 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Mahimunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model-Bee Tee	Dept Name - Fire Station - Agalpur Addr - Fire Station - Agalpur Contact - OIC - ASO Addr - Tel.No - 8280308511,, Mobile - 9437186620 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Agalpur Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model- Bharat Traders	Dept Name - Fire Station - Bangomunda Addr - Fire Station - Bangomunda Contact - OIC - ASO Addr - Tel.No - 9437490830,, Mobile - 9437490830 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Bangomunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model- Bee Tee	Dept Name - Fire Station - Khaprakhol Addr - Fire Station - Khaprakhol Contact - OIC - LFM Addr - Tel.No - 9439572711,, Mobile - 9437169469 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Khaprakhol Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model- Bharat Traders	Dept Name - Fire Station - Kantabanji Addr - Fire Station - Kantabanji Contact - OIC - LFM Addr - Tel.No - 8270322590,, Mobile - 8270322590 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Kantabanji Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Life Jacket	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 100Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model-Bee Tee	Dept Name - Fire Station - Titilagarh Addr - Fire Station - Titilagarh Contact - OIC - S.O Addr - Tel.No - 06655-220477,, Mobile - 220477 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Titilagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,rail,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017

Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model- Bee Tee	Dept Name - Fire Station - Belpada Addr - Fire Station - Belpada Contact - OIC - LFM Addr - Tel.No - 06658-264777,, Mobile - 264777 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Belpada Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model-Bharat Traders	Dept Name - Fire Station - Gudvela Addr - Fire Station - Gudvela Contact - OIC - ASO Addr - Tel.No - 06652-286101,, Mobile - 286101 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - Fire Station - Gudvela Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 156 Name - Life Jackets Type - Specific Equipment Description - Model-Avanta solas	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 10Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
tem No - 158 Name - Pneumatic Rope Launcher Type - Specific Equipment Description - Pneumatic Rope launcher	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 02Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 159 Name - Inflatable boat (12 persons) Type - Specific Equipment Description - Inflatable boat	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 8Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 159 Name - Inflatable boat (12 persons) Type - Specific Equipment Description - Model-Gee Pee, OBM-Mercury-40	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 159 Name - Inflatable boat (12 persons) Type - Specific Equipment Description - Model-Gee Pee, OBM-Mercury-40	Dept Name - Fire Station - Titilagarh Addr - Fire Station - Titilagarh Contact - OIC - S.O Addr - Tel.No - 06655-220477,, Mobile - 220477 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Titilagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017

Item No - 159 Name - Inflatable boat (12 persons) Type - Specific Equipment Description - Model-Gee Pee, OBM-Mercury-40	Dept Name - Fire Station - Gudvela Addr - Fire Station - Gudvela Contact - OIC - ASO Addr - Tel.No - 06652-286101,, Mobile - 286101 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Gudvela Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 159 Name - Inflatable boat (12 persons) Type - Specific Equipment Description - Model-Gee Pee, OBM-Mercury-40	Dept Name - ODRAF Addr - ODRAF Balangir Unit, Manoharpur, Balangir Contact - Asst Comm. Addr - Tel.No - 06652-232449,, Mobile - 9437173597 Fax - Email-	Nos/Quantity Available - 10Nos Item Location - ODRAF Balangir Unit, Manoharpur, Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 159 Name - Inflatable boat (12 persons) Type - Specific Equipment Description - Model-Gee Pee, OBM-Mercury-40	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Patnagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav Sushanta Naik- Driver 2)FMD- 171/S.K. Bag-Driver 3) DK FM- 2599/M.K.Sahu	Dept Name - Fire Station - Khaprakhol Addr - Fire Station - Khaprakhol Contact - OIC - LFM Addr - Tel.No - 9439572711,, Mobile - 9437169469 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav Dileswar Kisan- Driver 2)- DkFm.2758 Prakash Pande 3)DK FM-3414 Basudev Nayak -Driver	Dept Name - Fire Station - Saintala Addr - Fire Station - Saintala Contact - OIC - LFM Addr - Tel.No - 8895529176,, Mobile - 8895529176 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav Danardan Biswal - Driver 2)DKFM.2261/ T.K. Behera -Driver 3) DK Fm.3110/ P. Behera -Driver 4) FMD- 264/Jitendra Kr. Swain (Attach at Laxanpur)	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - )FMD.178/A.Dalpati- Driver 2)FMD.330/ S. Rout - Driver 3) Dk Fm. 2024 S. Dehury 4) DkFm.917 J. Kisan	Dept Name - Fire Station - Muribahal Addr - Fire Station - Muribahal Contact - OIC - LFM Addr - Tel.No - 9937010784,, Mobile - 9937010784 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017

Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav N. C. Bariha- Driver 2)FMD-219/R.N. Das-Driver 3)DK FM-1105 /P K. Biswal-Driver	Dept Name - Fire Station - Gudvela Addr - Fire Station - Gudvela Contact - OIC – ASO Addr - Tel.No - 06652-286101,, Mobile - 286101 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav N. C. Bariha- Driver 2)FMD-219/R.N. Das-Driver 3)DK FM-1105 /P K. Biswal-Driver	Dept Name - Fire Station - Gudvela Addr - Fire Station - Gudvela Contact - OIC – ASO Addr - Tel.No - 06652-286101,, Mobile - 286101 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/16/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav Lalu Munda- Driver 2)FMD-201/Mories Lakra-Driver 3)DK FM-1764/Subrat Kr.Parida-Driver	Dept Name - Fire Station - Titilagarh Addr - Fire Station - Titilagarh Contact - OIC – S.O Addr - Tel.No - 06655-220477,, Mobile - 220477 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/16/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav Mangal Das Lakra- Driver 2)FMD-11/ Nikhil Kumar Sahu-Driver	Dept Name - Fire Station - Agalpur Addr - Fire Station - Agalpur Contact - OIC – ASO Addr - Tel.No - 8280308511,, Mobile - 9437186620 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav Ganju Kisan- Driver 2)FMD-156/S. Nial -Driver	Dept Name - Fire Station - Loisingha Addr - Fire Station - Loisingha Contact - OIC – LFM Addr - Tel.No - 9437584559,, Mobile - 9439430269 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav Ganju Kisan- Driver 2)FMD-156/S. Nial -Driver	Dept Name - Fire Station - Loisingha Addr - Fire Station - Loisingha Contact - OIC – LFM Addr - Tel.No - 9437584559,, Mobile - 9439430269 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - FS personals	Dept Name - Fire Station - Loisingha Addr - Fire Station - Loisingha Contact - OIC – LFM Addr - Tel.No - 9437584559,, Mobile - 9439430269 Fax - Email-	Nos/Quantity Available - 13Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017

Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)FMD.186 R.K. Sahu - Driver 2) DK FM.3138 / Chudamani Mahanta	Dept Name - Fire Station - Kantabanji Addr - Fire Station - Kantabanji Contact - OIC - LFM Addr - Tel.No - 8270322590,, Mobile - 8270322590 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav Himanshu Dash- Driver 2)DKFM/ J .Kanda-Driver	Dept Name - Fire Station - Bangomunda Addr - Fire Station - Bangomunda Contact - OIC - ASO Addr - Tel.No - 9437490830,, Mobile - 9437490830 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav Gopabandhu Sahu- Driver 2)FMD-116/Srikant Meher- Driver	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)FMD.294 Bikash Ku. Pattanayak- Driver 2)DKFM.3580 Aditya Mallik - Driver 3)DKFM.3107 Sunil Behera -Driver 4) DKFM.2185 Raghunath Nayak	Dept Name - Fire Station - Mahimunda Addr - Fire Station - Mahimunda Contact - OIC - LFM Addr - Tel.No - 9938870599,, Mobile - 9938870599 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav P.K.Putel- Driver 2)FMD- 152/J.Budhia-Driver 3)DK FM-2246/J.Budhia-Driver 4)FM-2802/A.R.Panda- Boat operator	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/16/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - 1)Dr.Hav S.K. Behera- Driver 2)FMD- 307/P. Mallik -Driver 3)DK FM-246/ S. Dung Dung- Driver	Dept Name - Fire Station - Belpada Addr - Fire Station - Belpada Contact - OIC - LFM Addr - Tel.No - 06658-264777,, Mobile - 264777 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 164 Name - Divers Teams Type - Human Resource Description - Divers Team	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 5Persons Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 5/22/2019
Item No - 165 Name - Search and Rescue	Dept Name - ODRAF Addr - ODRAF unit Balangir	Nos/Quantity Available - 1Team Item Location - NA

Teams for Flood Type - Human Resource Description - Search & rescue Operation	Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 5/22/2019
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 19Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/16/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Mahimunda Addr - Fire Station - Mahimunda Contact - OIC - LFM Addr - Tel.No - 9938870599,, Mobile - 9938870599 Fax - Email-	Nos/Quantity Available - 10Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Saintala Addr - Fire Station - Saintala Contact - OIC - LFM Addr - Tel.No - 8895529176,, Mobile - 8895529176 Fax - Email-	Nos/Quantity Available - 12Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 12Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 14Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Bangomunda Addr - Fire Station - Bangomunda Contact - OIC - ASO Addr - Tel.No - 9437490830,, Mobile - 9437490830 Fax - Email-	Nos/Quantity Available - 13Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017

Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Kantabanji Addr - Fire Station - Kantabanji Contact - OIC - LFM Addr - Tel.No - 8270322590,, Mobile - 8270322590 Fax - Email-	Nos/Quantity Available - 12Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Belpada Addr - Fire Station - Belpada Contact - OIC - LFM Addr - Tel.No - 06658-264777,, Mobile - 264777 Fax - Email-	Nos/Quantity Available - 12Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Agalpur Addr - Fire Station - Agalpur Contact - OIC - ASO Addr - Tel.No - 8280308511,, Mobile - 9437186620 Fax - Email-	Nos/Quantity Available - 12Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Titilagarh Addr - Fire Station - Titilagarh Contact - OIC - S.O Addr - Tel.No - 06655-220477,, Mobile - 220477 Fax - Email-	Nos/Quantity Available - 13Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/16/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Gudvela Addr - Fire Station - Gudvela Contact - OIC - ASO Addr - Tel.No - 06652-286101,, Mobile - 286101 Fax - Email-	Nos/Quantity Available - 13Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/17/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Muribahal Addr - Fire Station - Muribahal Contact - OIC - LFM Addr - Tel.No - 9937010784,, Mobile - 9937010784 Fax - Email-	Nos/Quantity Available - 9Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017
Item No - 165 Name - Search and Rescue Teams for Flood Type - Human Resource Description - FS personals	Dept Name - Fire Station - Khaprakhhol Addr - Fire Station - Khaprakhhol Contact - OIC - LFM Addr - Tel.No - 9439572711,, Mobile - 9437169469 Fax - Email-	Nos/Quantity Available - 13Nos Item Location - NA Available Time - January to December Source - Govt Operator Available- NA Transport - ,,,,NA Prior expr in emergency- yes and Prior training expr- yes Data entered on 2/18/2017

Item No - 167 Name - Suit - fire proximity Type - Specific Equipment Description - Suit	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 168 Name - Suit - fire approach Type - Specific Equipment Description - 168	Dept Name - Asst.Fire Officer Addr - Balangir Contact - NOT Availble Addr - NOT Availble Tel.No - NOT Availble,, Mobile - Fax - Email-	Nos/Quantity Available - 1Set Item Location - at fire station Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 8/8/2003
Item No - 171 Name - Breathing apparatus - self contained Type - Specific Equipment Description - Model- Drager-CE0088	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 2Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 171 Name - Breathing apparatus - self contained Type - Specific Equipment Description - Model- Drager-CE0088	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Patnagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump- 9410/93 Hindustan Pump- 18 Fire flyP.pump-3546	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - Fire Station - Patnagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump- 15 P 0058/14	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Deogaon Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump- 015 P 0063	Dept Name - Fire Station - Muribahal Addr - Fire Station - Muribahal Contact - OIC - LFM Addr - Tel.No - 9937010784,, Mobile - 9937010784 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Muribahal Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017

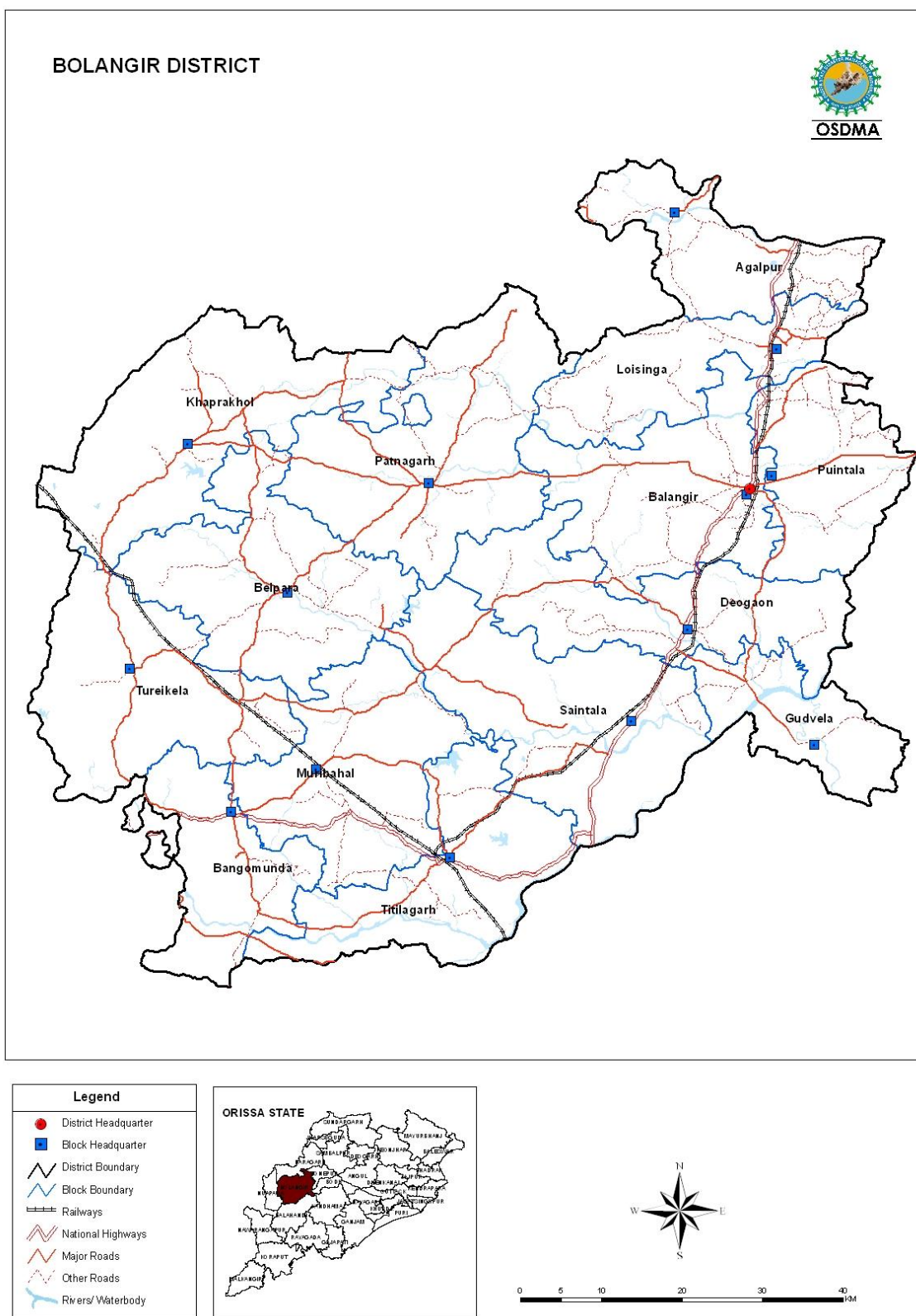
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump- 020/98 Wadia pump- 1430089/14 P.pump- 10p0065	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump- 15 P0019	Dept Name - Fire Station - Belpada Addr - Fire Station - Belpada Contact - OIC - LFM Addr - Tel.No - 06658-264777,, Mobile - 264777 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Belpada Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump- 072/99, Wadia pump- 14p0074, P.wadia pump- 10p0024	Dept Name - Fire Station - Titilagarh Addr - Fire Station - Titilagarh Contact - OIC - S.O Addr - Tel.No - 06655-220477,, Mobile - 220477 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - Fire Station - Titilagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump- 10P0014	Dept Name - Fire Station - Agalpur Addr - Fire Station - Agalpur Contact - OIC - ASO Addr - Tel.No - 8280308511,, Mobile - 9437186620 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Agalpur Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Hindustan Trailor pump- No.36	Dept Name - Fire Station - Loisingha Addr - Fire Station - Loisingha Contact - OIC - LFM Addr - Tel.No - 9437584559,, Mobile - 9439430269 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Loisingha Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump- 15 P 0061	Dept Name - Fire Station - Saintala Addr - Fire Station - Saintala Contact - OIC - LFM Addr - Tel.No - 8895529176,, Mobile - 8895529176 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Saintala Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump- No.15-P-0065	Dept Name - Fire Station - Mahimunda Addr - Fire Station - Mahimunda Contact - OIC - LFM Addr - Tel.No - 9938870599,, Mobile - 9938870599 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Mahimunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017

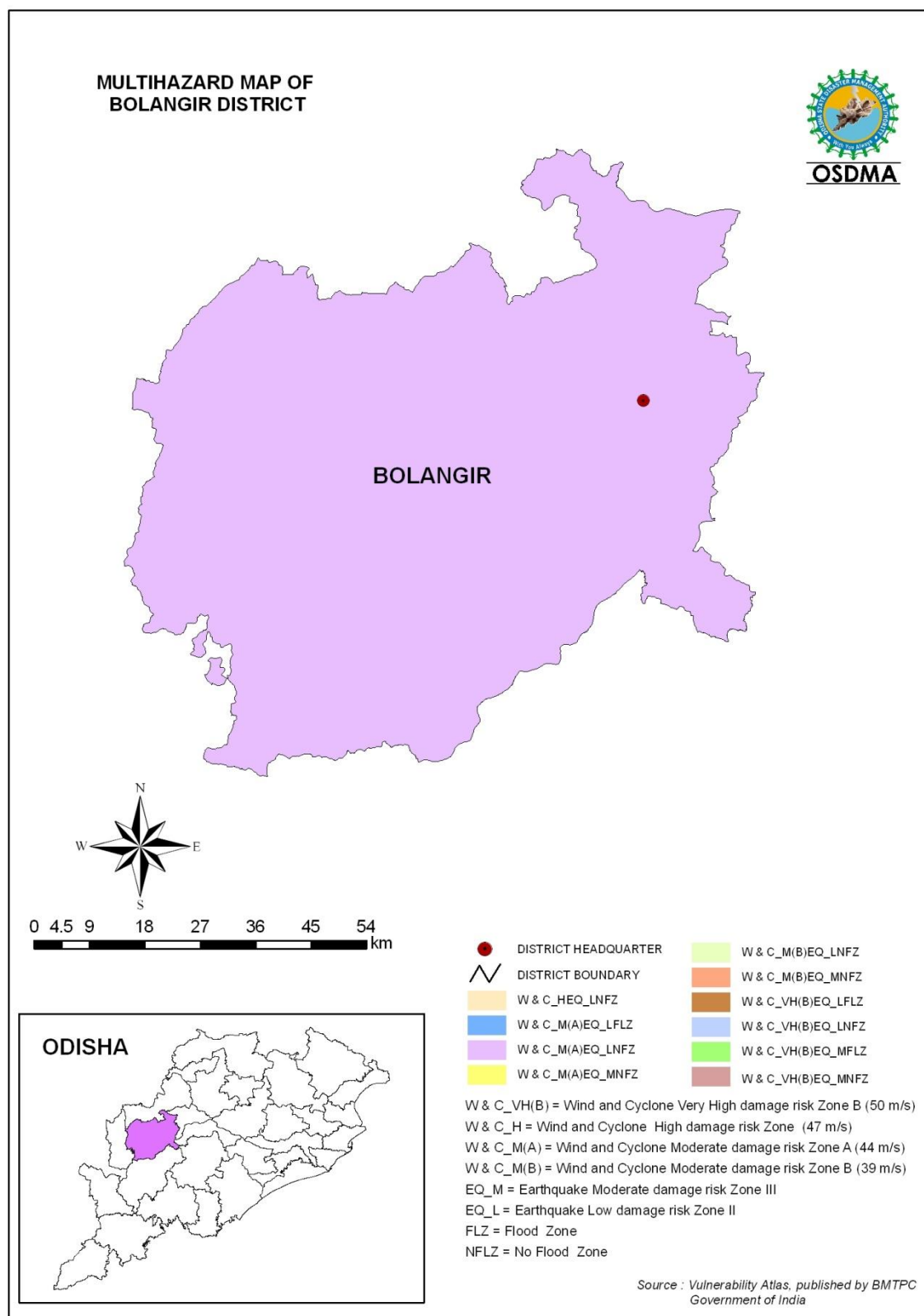
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Wadia pump-15 P-0052	Dept Name - Fire Station - Kantabanji Addr - Fire Station - Kantabanji Contact - OIC - LFM Addr - Tel.No - 8270322590,, Mobile - 8270322590 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Kantabanji Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Hindustan pump-SI.No.34	Dept Name - Fire Station - Khaprakhol Addr - Fire Station - Khaprakhol Contact - OIC - LFM Addr - Tel.No - 9439572711,, Mobile - 9437169469 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Khaprakhol Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 173 Name - Pump - high pressure, portable Type - Specific Equipment Description - Fire Fly pump-SI No.3595	Dept Name - Fire Station - Bangomunda Addr - Fire Station - Bangomunda Contact - OIC - ASO Addr - Tel.No - 9437490830,, Mobile - 9437490830 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Bangomunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Kings	Dept Name - Fire Station - Bangomunda Addr - Fire Station - Bangomunda Contact - OIC - ASO Addr - Tel.No - 9437490830,, Mobile - 9437490830 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Bangomunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Marshall simplex	Dept Name - Fire Station - Khaprakhol Addr - Fire Station - Khaprakhol Contact - OIC - LFM Addr - Tel.No - 9439572711,, Mobile - 9437169469 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Khaprakhol Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Simplex	Dept Name - Fire Station - Kantabanji Addr - Fire Station - Kantabanji Contact - OIC - LFM Addr - Tel.No - 8270322590,, Mobile - 8270322590 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Kantabanji Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Marshal	Dept Name - Fire Station - Mahimunda Addr - Fire Station - Mahimunda Contact - OIC - LFM Addr - Tel.No - 9938870599,, Mobile - 9938870599 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Mahimunda Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017

Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Marshall Simplex	Dept Name - Fire Station - Saintala Addr - Fire Station - Saintala Contact - OIC - LFM Addr - Tel.No - 8895529176,, Mobile - 8895529176 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - Fire Station - Saintala Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Marshal	Dept Name - Fire Station - Loisingha Addr - Fire Station - Loisingha Contact - OIC - LFM Addr - Tel.No - 9437584559,, Mobile - 9439430269 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Loisingha Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Simplex	Dept Name - Fire Station - Agalpur Addr - Fire Station - Agalpur Contact - OIC - ASO Addr - Tel.No - 8280308511,, Mobile - 9437186620 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Agalpur Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Sumer& Co.	Dept Name - Fire Station - Gudvela Addr - Fire Station - Gudvela Contact - OIC - ASO Addr - Tel.No - 06652-286101,, Mobile - 286101 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Gudvela Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Extention ladder	Dept Name - ODRAF Addr - ODRAF unit Balangir Manoharpur Balangir Contact - RI of Police Addr - Tel.No - 06652232429,, Mobile - 8895475053 Fax - Email-	Nos/Quantity Available - 10Nos Item Location - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 5/22/2019
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Simplex	Dept Name - Fire Station - Titilagarh Addr - Fire Station - Titilagarh Contact - OIC - S.O Addr - Tel.No - 06655-220477,, Mobile - 220477 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Titilagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Marshal Simplex, Bombay	Dept Name - Fire Station - Belpada Addr - Fire Station - Belpada Contact - OIC - LFM Addr - Tel.No - 06658-264777,, Mobile - 264777 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Belpada Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/17/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- kings	Dept Name - Fire Station - Balangir Addr - Fire Station - Balangir Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - Fire Station - Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017

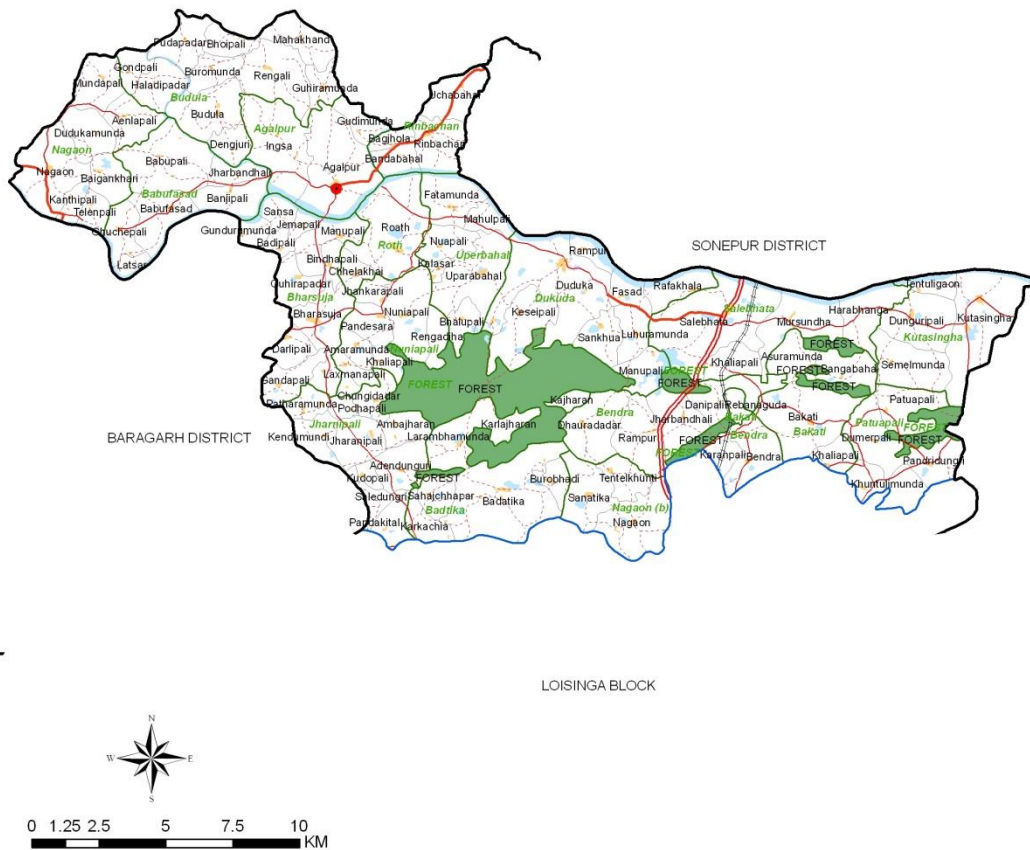
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Marshall Simplex	Dept Name - Fire Station - Muribahal Addr - Fire Station - Muribahal Contact - OIC - LFM Addr - Tel.No - 9937010784,, Mobile - 9937010784 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Muribahal Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Access	Dept Name - ODRAF Addr - ODRAF Balangir Unit, Manoharpur, Balangir Contact - Asst Comm. Addr - Tel.No - 06652-232449,, Mobile - 9437173597 Fax - Email-	Nos/Quantity Available - 4Nos Item Location - ODRAF Balangir Unit, Manoharpur, Balangir Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- Kings	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Deogaon Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 175 Name - Extension Ladder Type - Specific Equipment Description - Model- simplex	Dept Name - Fire Station - Patnagarh Addr - Fire Station - Patnagarh Contact - OIC - S.O Addr - Tel.No - 06658-222353,, Mobile - 222353 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Patnagarh Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 176 Name - ABC Type Type - Specific Equipment Description - 9 kg Capacity (Kanadia)	Dept Name - Fire Station - Deogaon Addr - Fire Station - Deogaon Contact - OIC - LFM Addr - Tel.No - 06652-284101,, Mobile - 284101 Fax - Email-	Nos/Quantity Available - 1Nos Item Location - Fire Station - Deogaon Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/18/2017
Item No - 176 Name - ABC Type Type - Specific Equipment Description - Stored pressure of capacity 9 kg.	Dept Name - Fire Station - Balangir Addr - Stored pressure of capacity 9 kg. Contact - OIC - I/C AFO Addr - Tel.No - 06652-232333,, Mobile - 06652-2323 Fax - Email-	Nos/Quantity Available - 3Nos Item Location - Stored pressure of capacity 9 kg. Available Time - January to December Source - Govt Operator Available- yes Transport - road,,,, Prior expr in emergency- NA and Prior training expr- NA Data entered on 2/16/2017

# MAPS





# AGALPUR BLOCK BOLANGIR DISTRICT



## ODISHA STATE

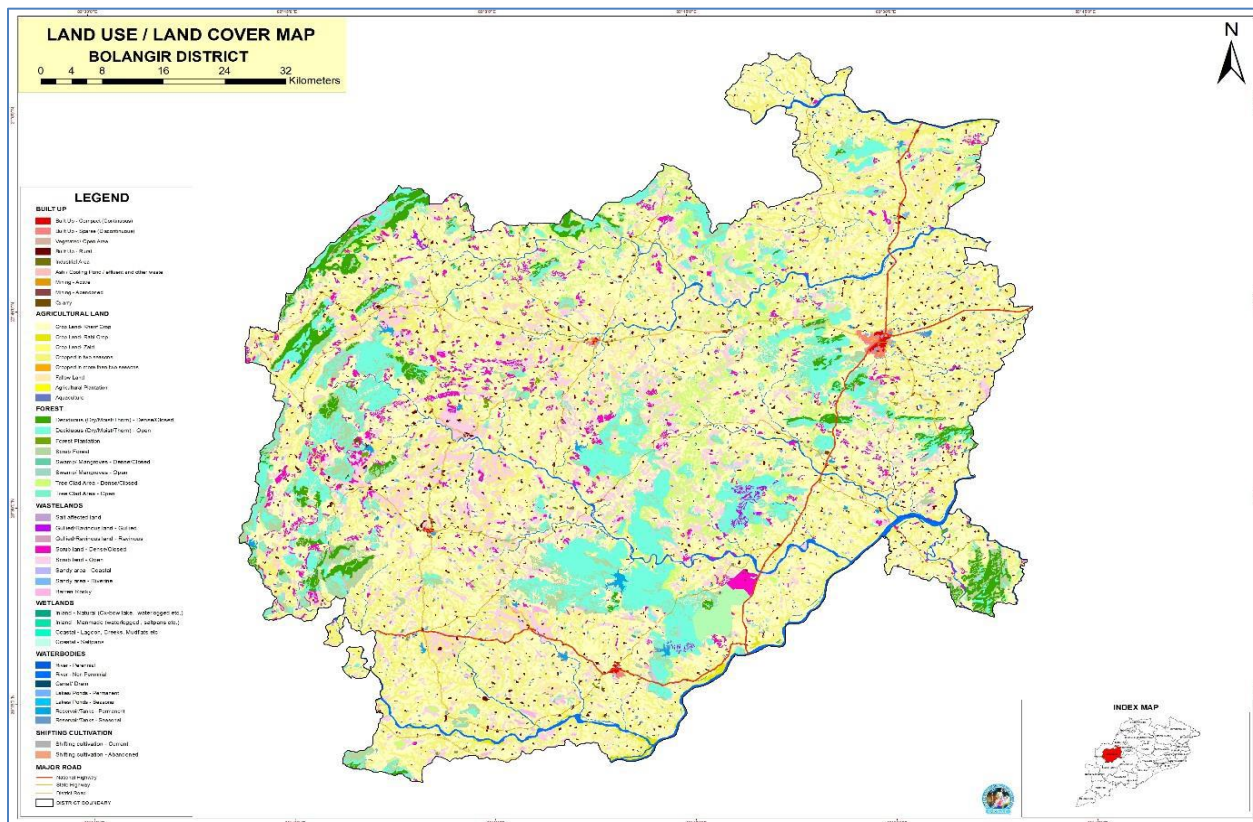
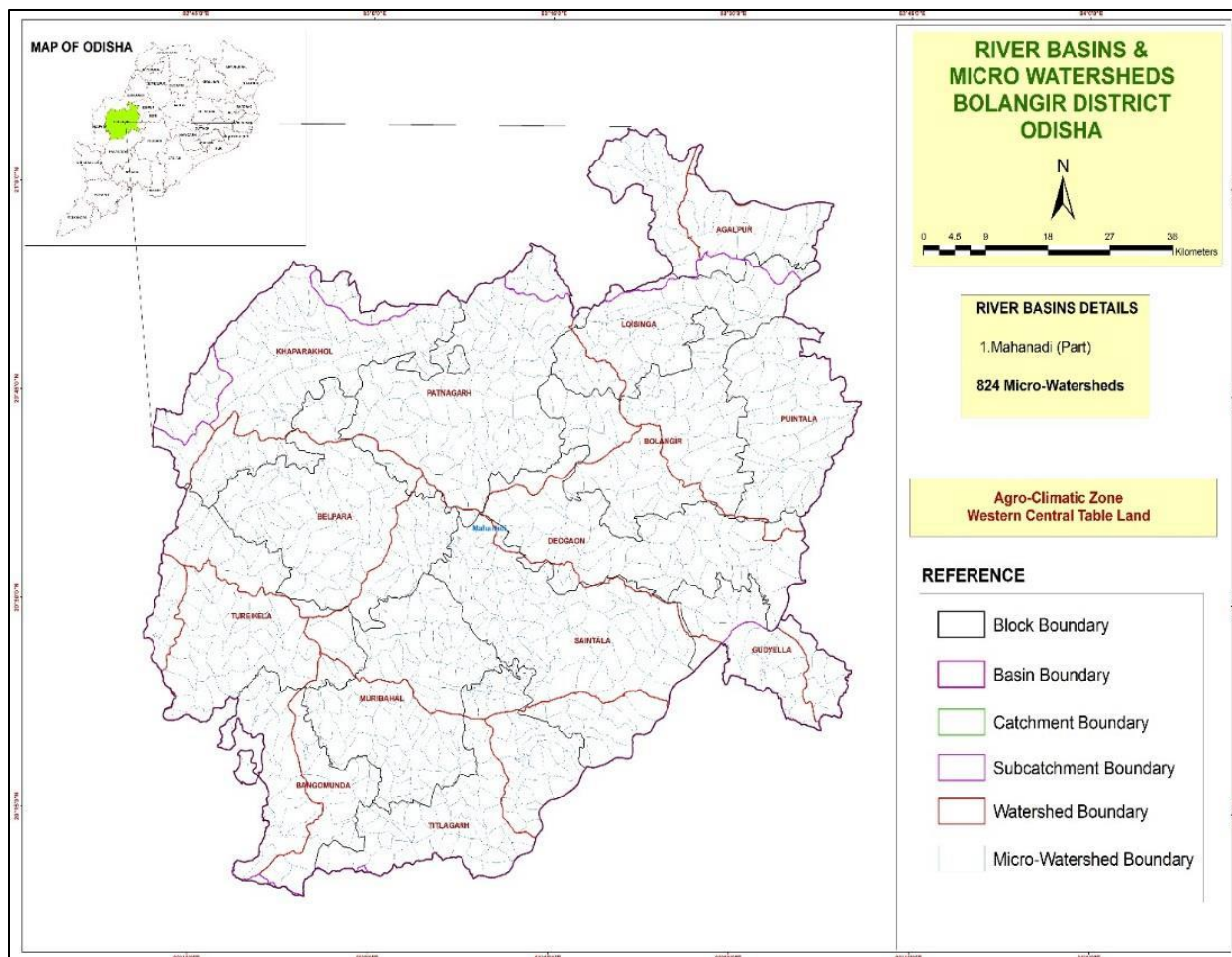


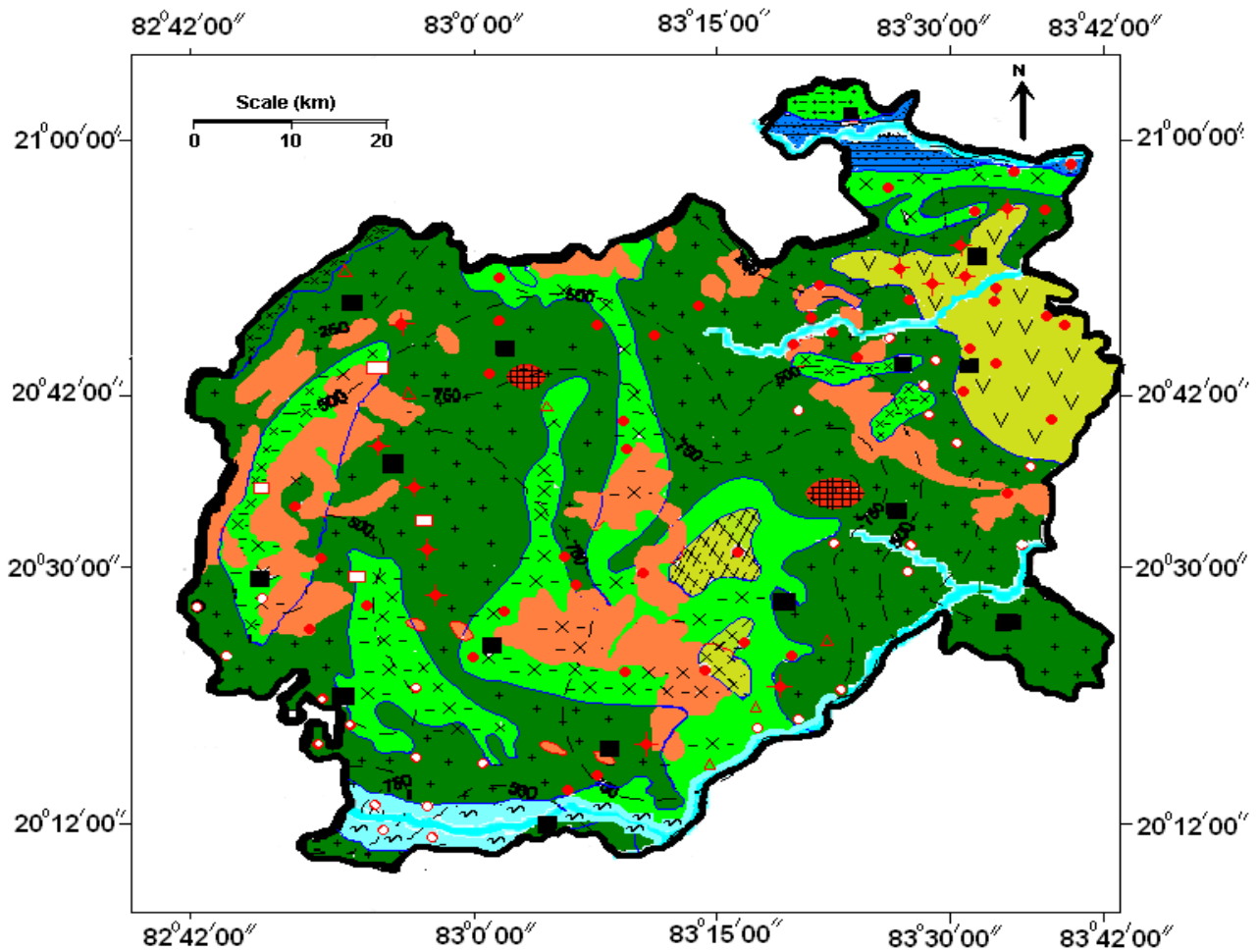
## BOLANGIR DISTRICT



## Legend

- Block Headquarter
- Railways
- = National Highways
- Major Roads
- Other Roads
- District Boundary
- Block Boundary
- GP Boundary
- Village Boundary
- Rivers/ Waterbody
- Settlements
- Forests





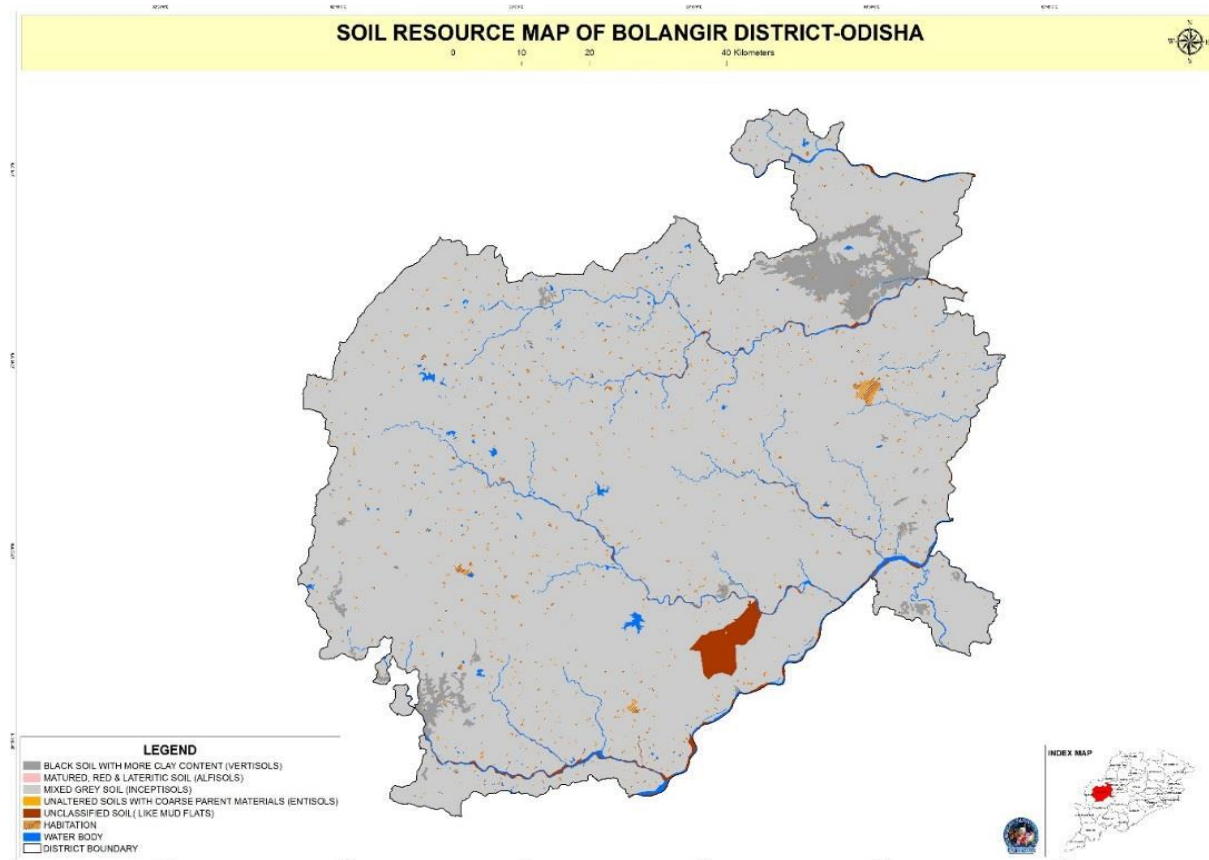
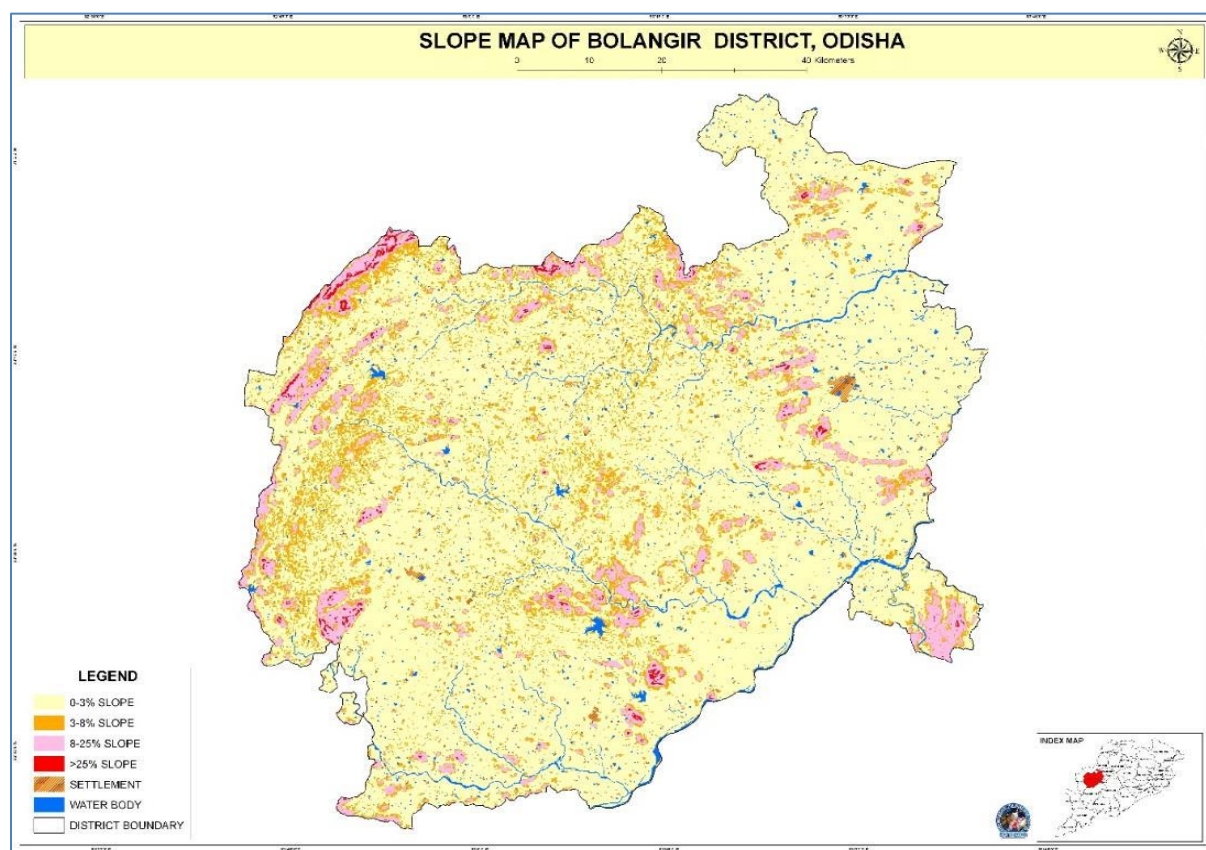
## LEGEND

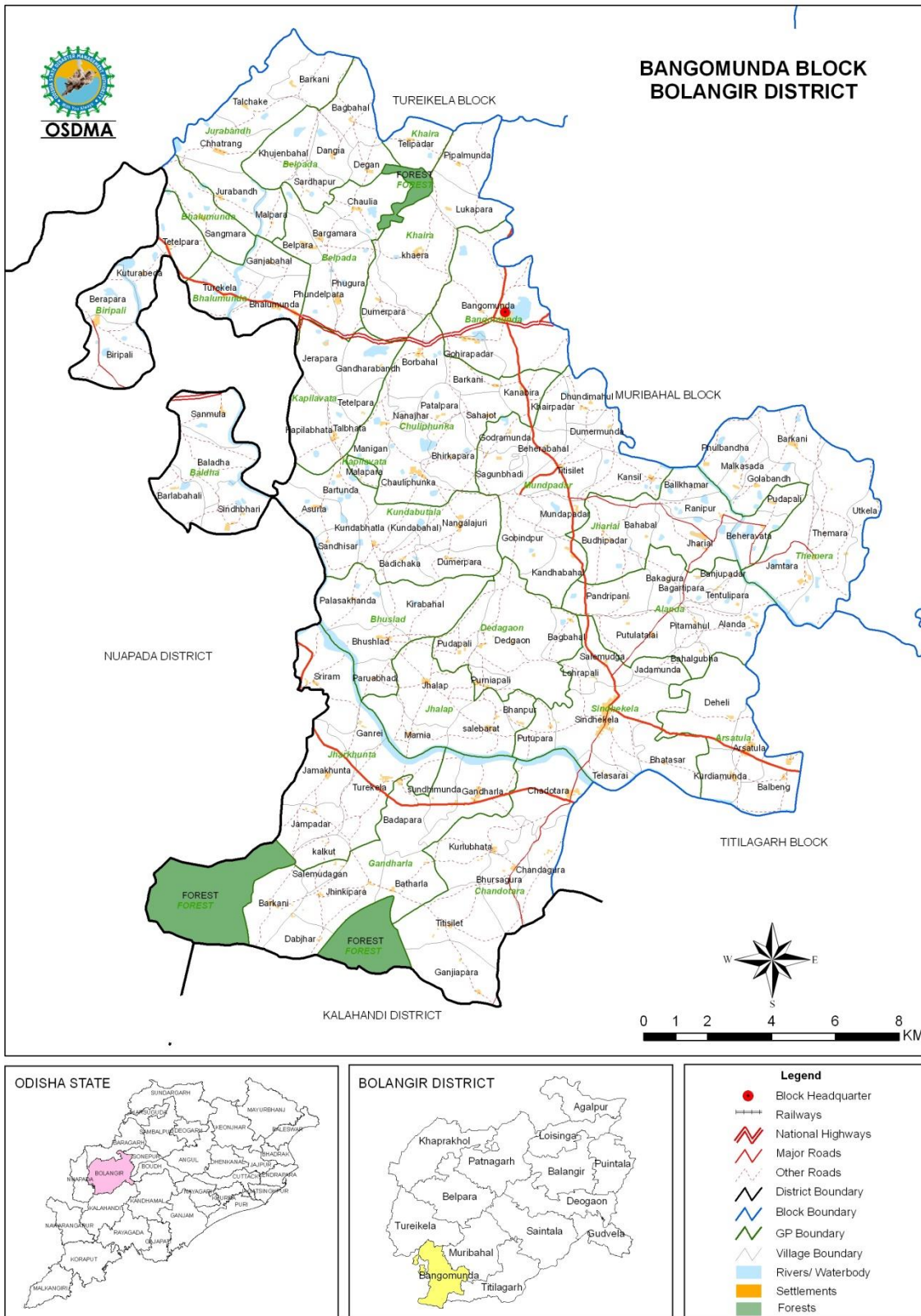
Age Group	Lithology	Index	Hydrogeological Conditions
Recent to Sub Recent	Alluvium		Flood plain, Unconfined aquifer, Yield 5 lps
Lower Gondwana	Sandstone, Shale Conglomerate		Moderately Thick, Discontinuous Confined to semi confined aquifer, Yield less than 5 lps
	Anorthosite/ Gabbro		Ground water is restricted to weathered residuum and fracture zones, low to moderate yield within 3 lps
Pre-cambrian	Charnockite		
	Bonai Granite / Quartzite		Ground water is restricted to weathered and fractured horizon. Yield upto 10 lps
	Khondalite & Calc silicate		
	Granite & Granite Gneiss		Most pervasive crystalline aquifer ground water occurs in weathered and fractured horizon. Yield upto 25 lps.
			Hilly Areas without Productive Aquifer except in pockets. Yield less than 1 lps
			Fluoride Contaminated Area
			350 EC Contour

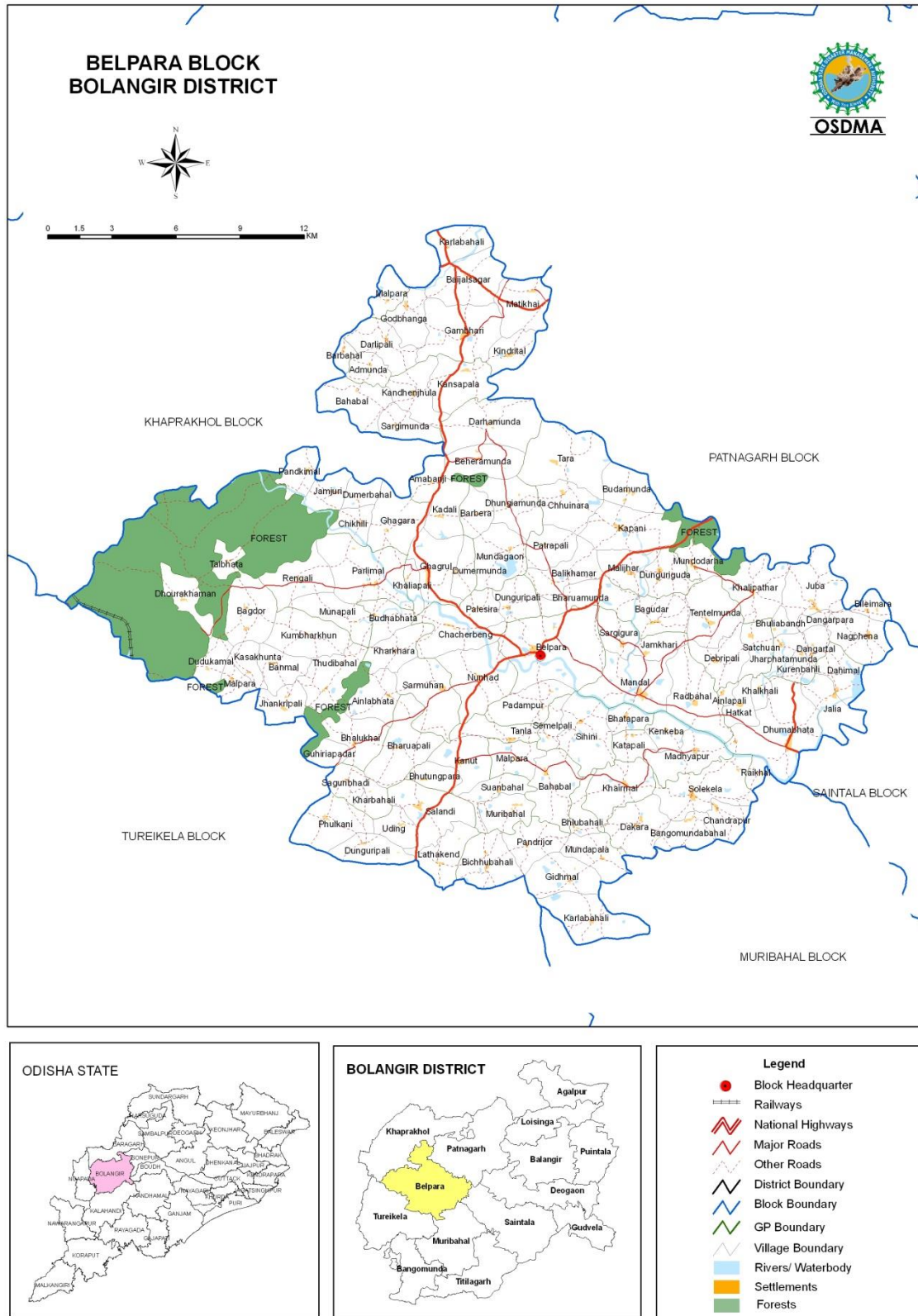
Discharge range of Bore holes	
	<1 lps
	1-3 lps
	3-5 lps
	5-10 lps
	>10 lps



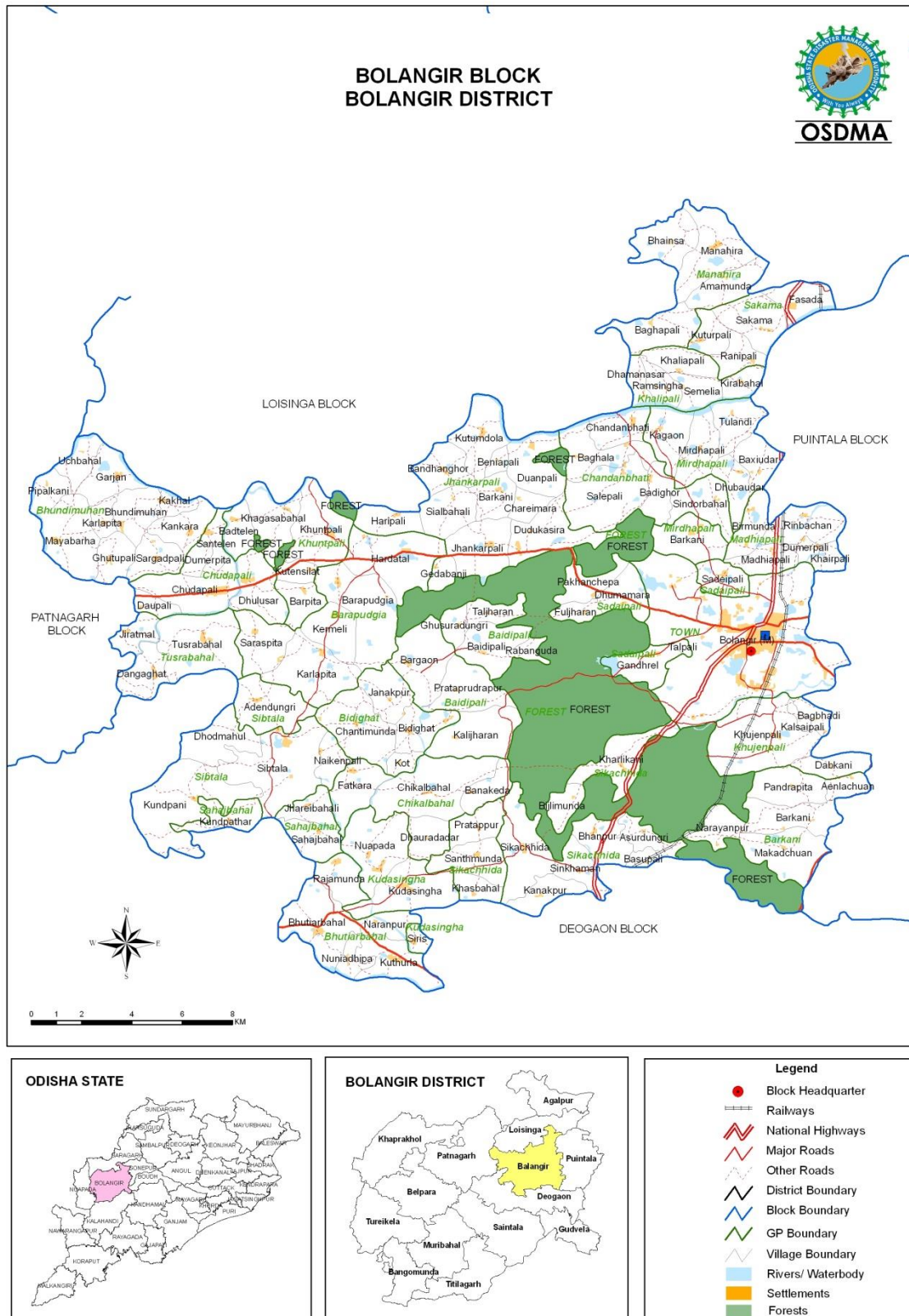












# DEOGAON BLOCK BOLANGIR DISTRICT

PATNAGARH BLOCK

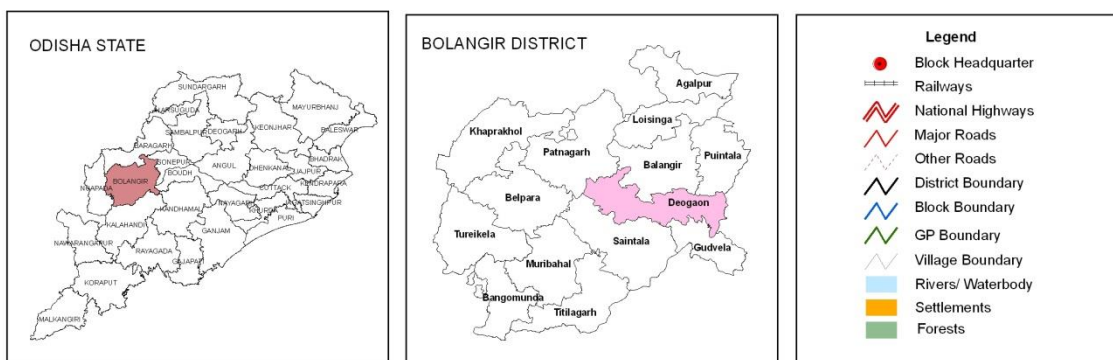
BOLANGIR BLOCK

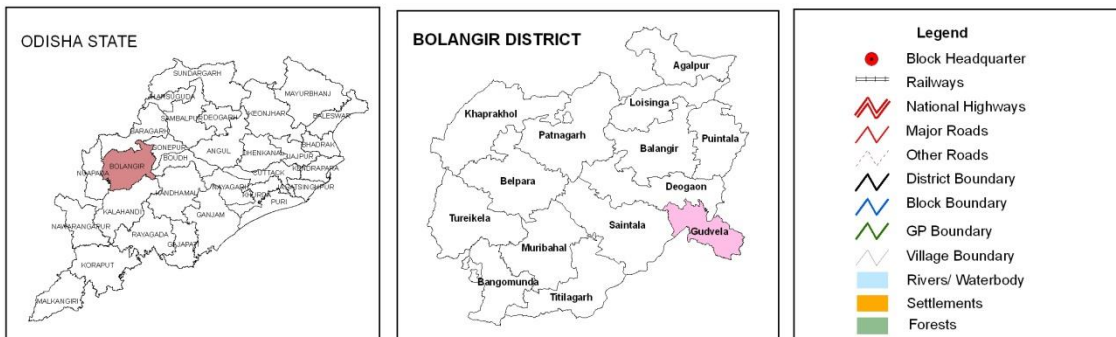
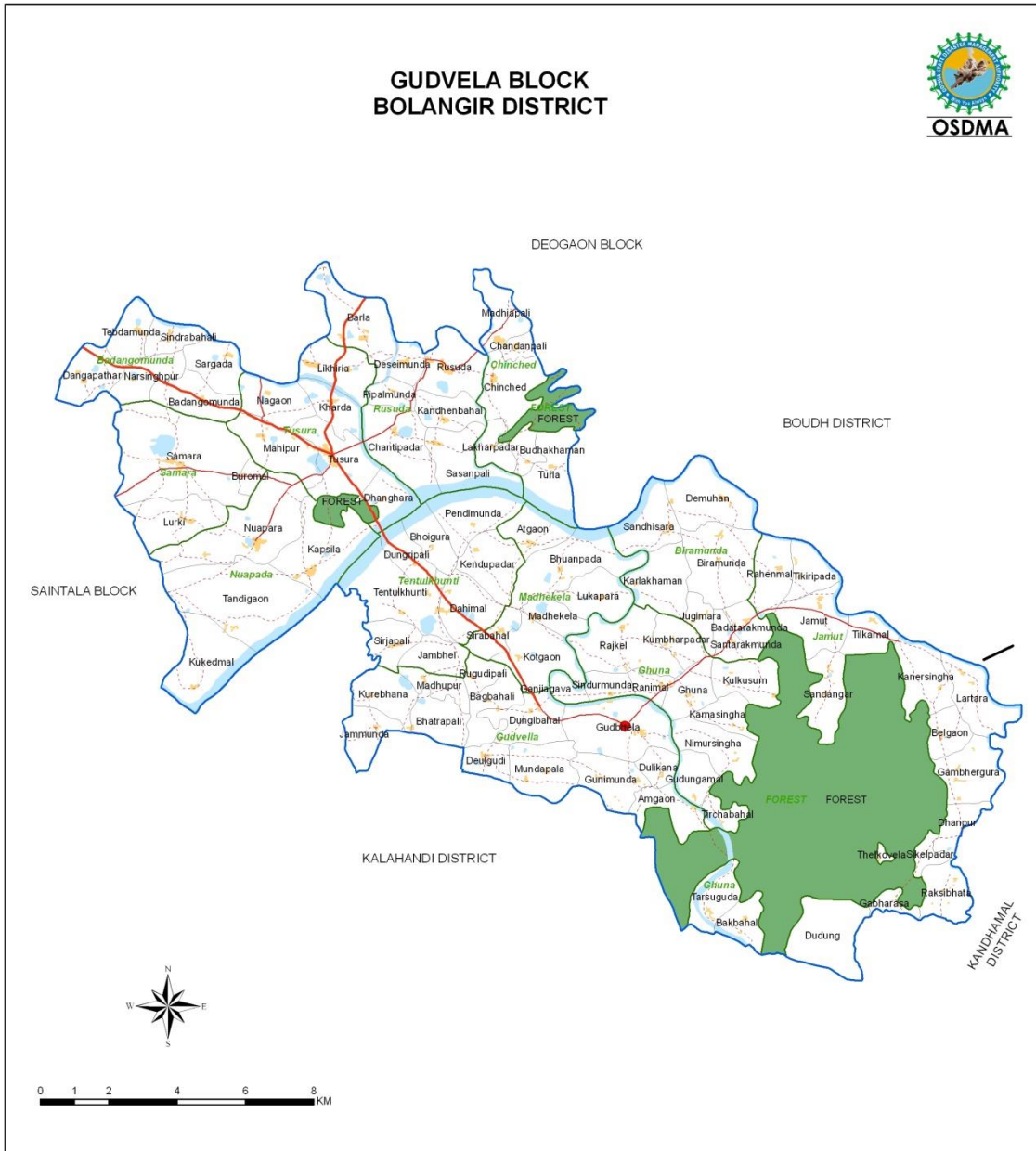
PUINTALA BLOCK

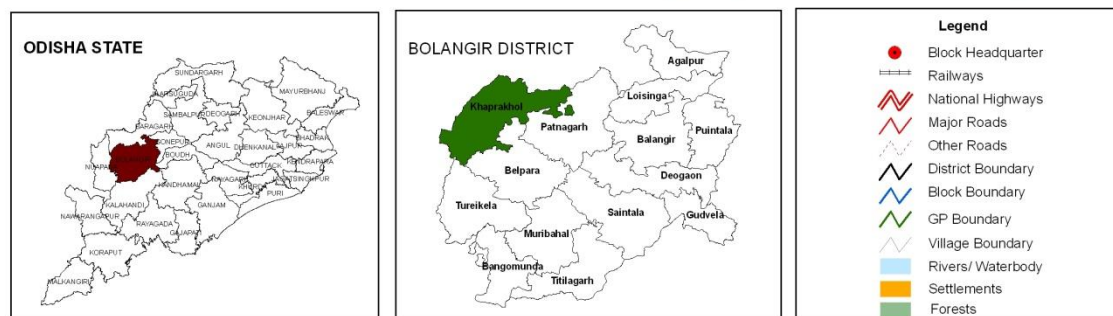
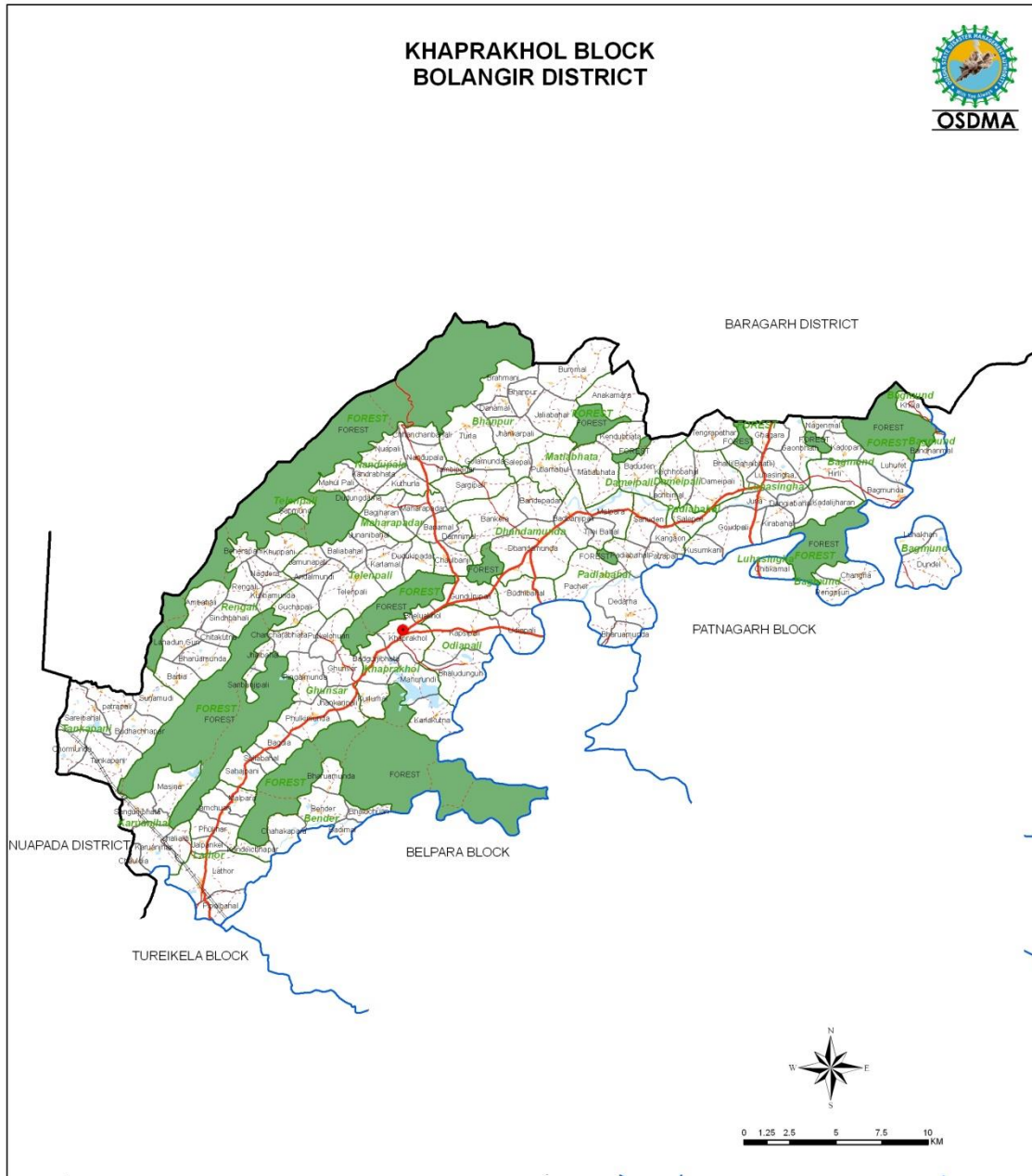
SAINTALA BLOCK

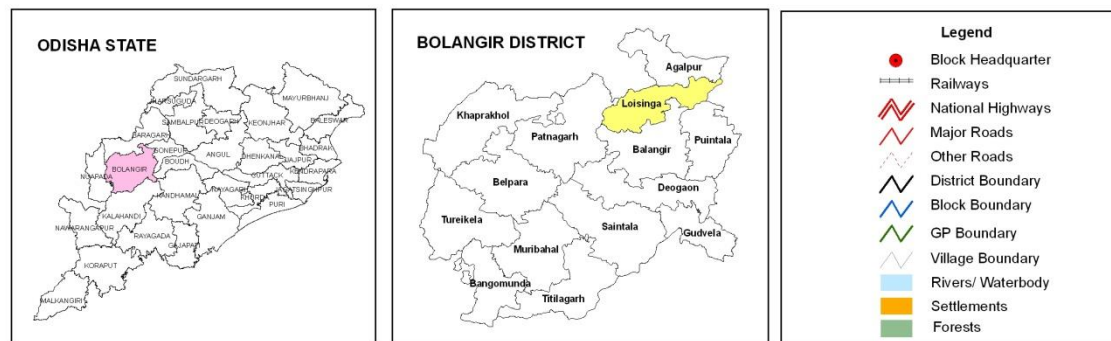
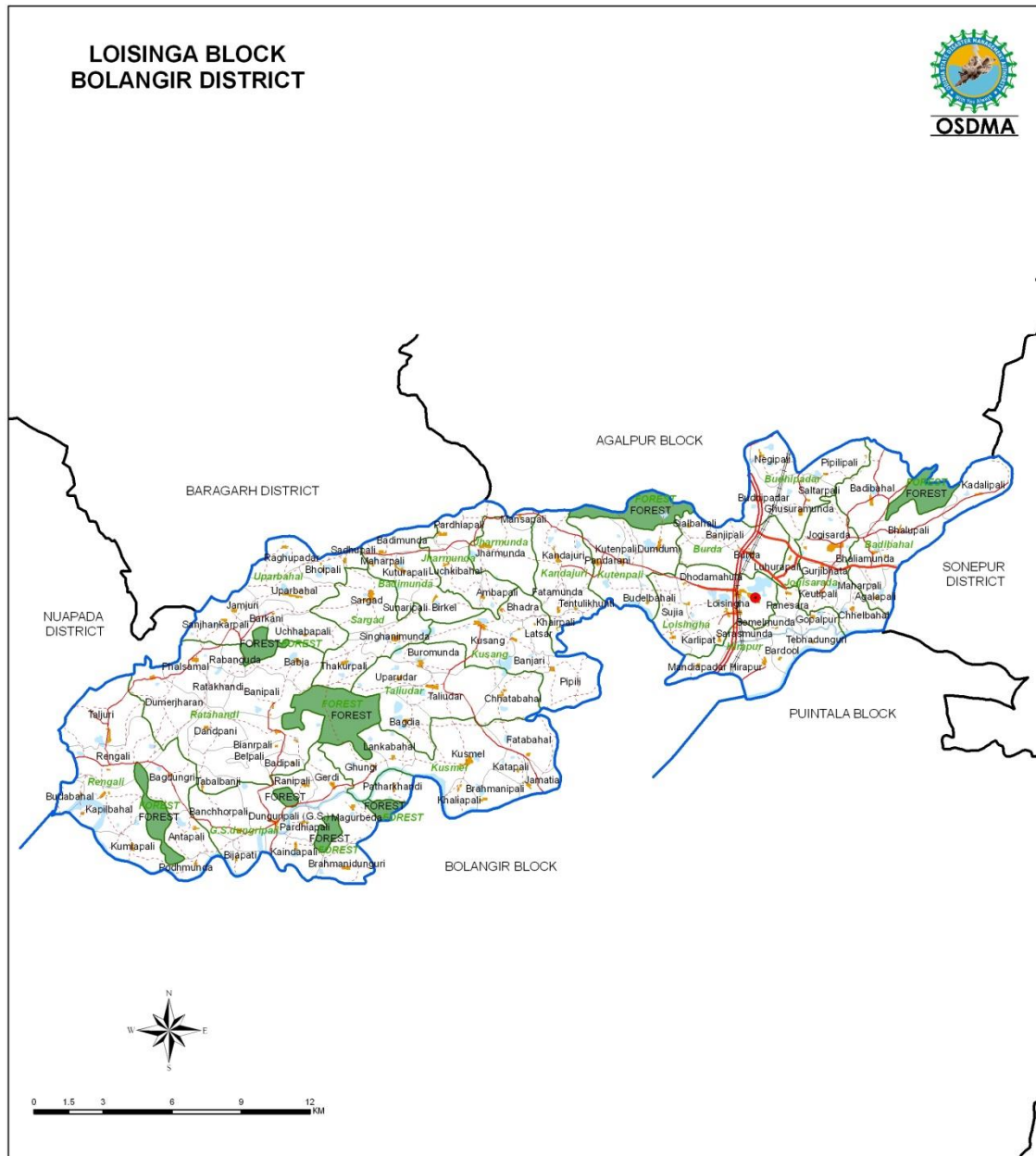
GUDVELA BLOCK

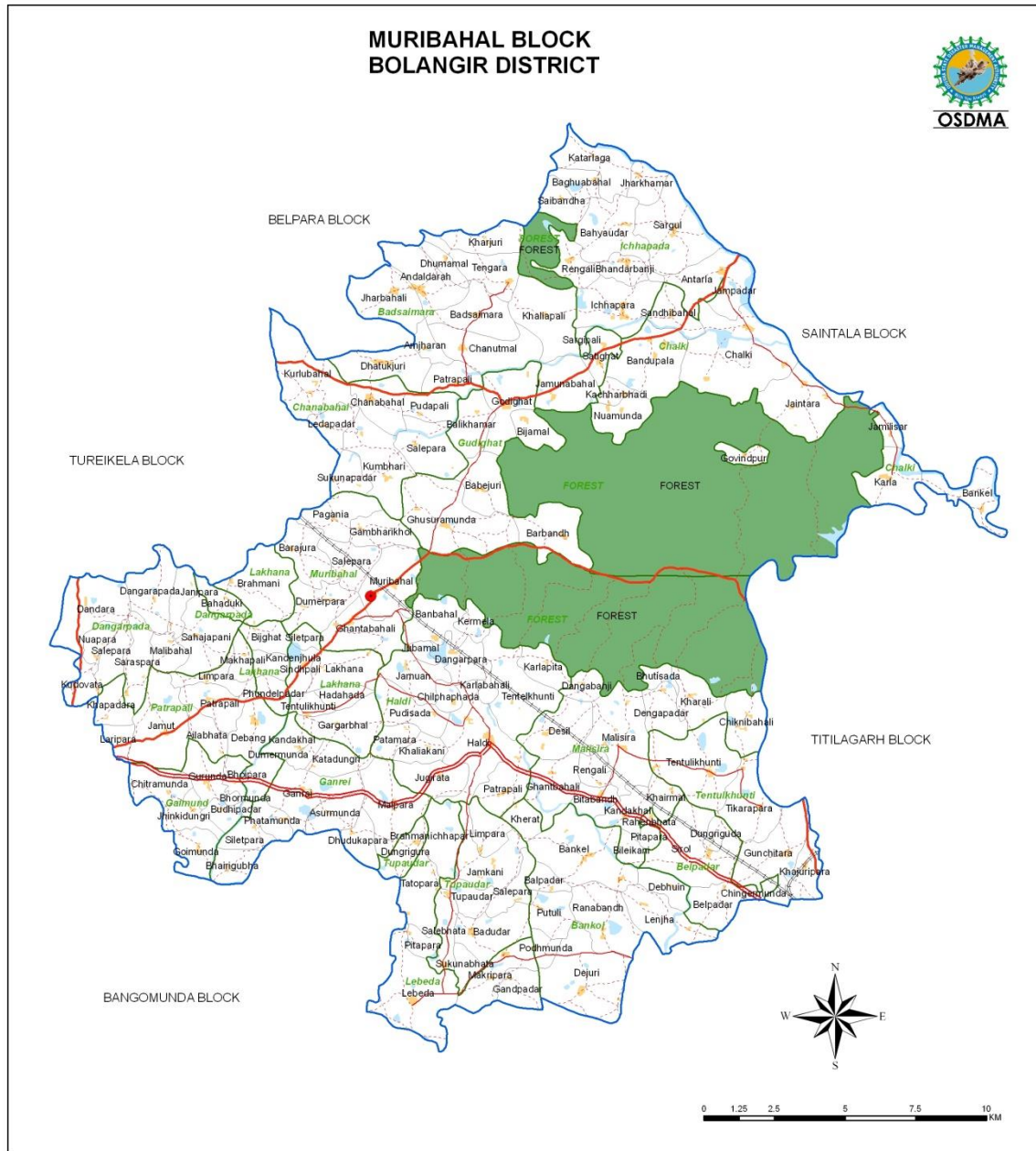
0 1.5 3 6 9 12 KM

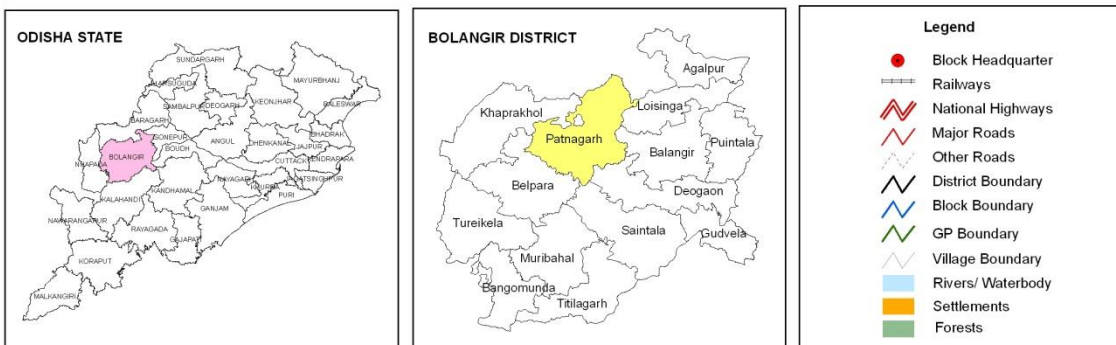


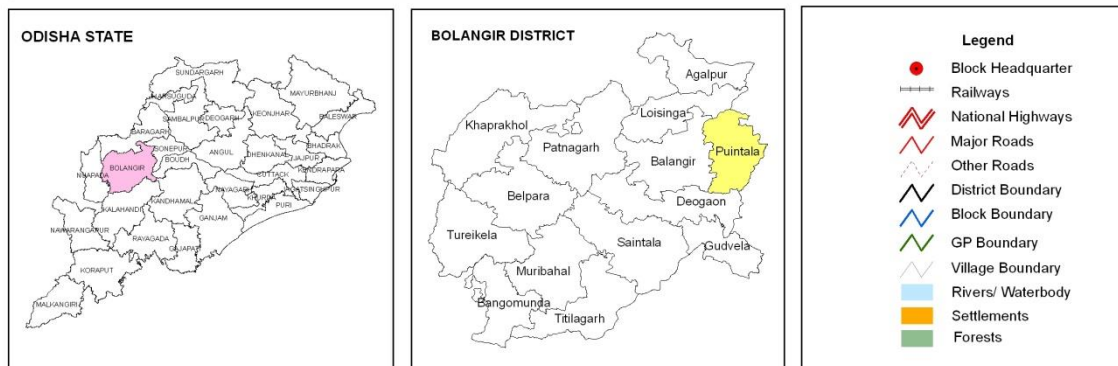




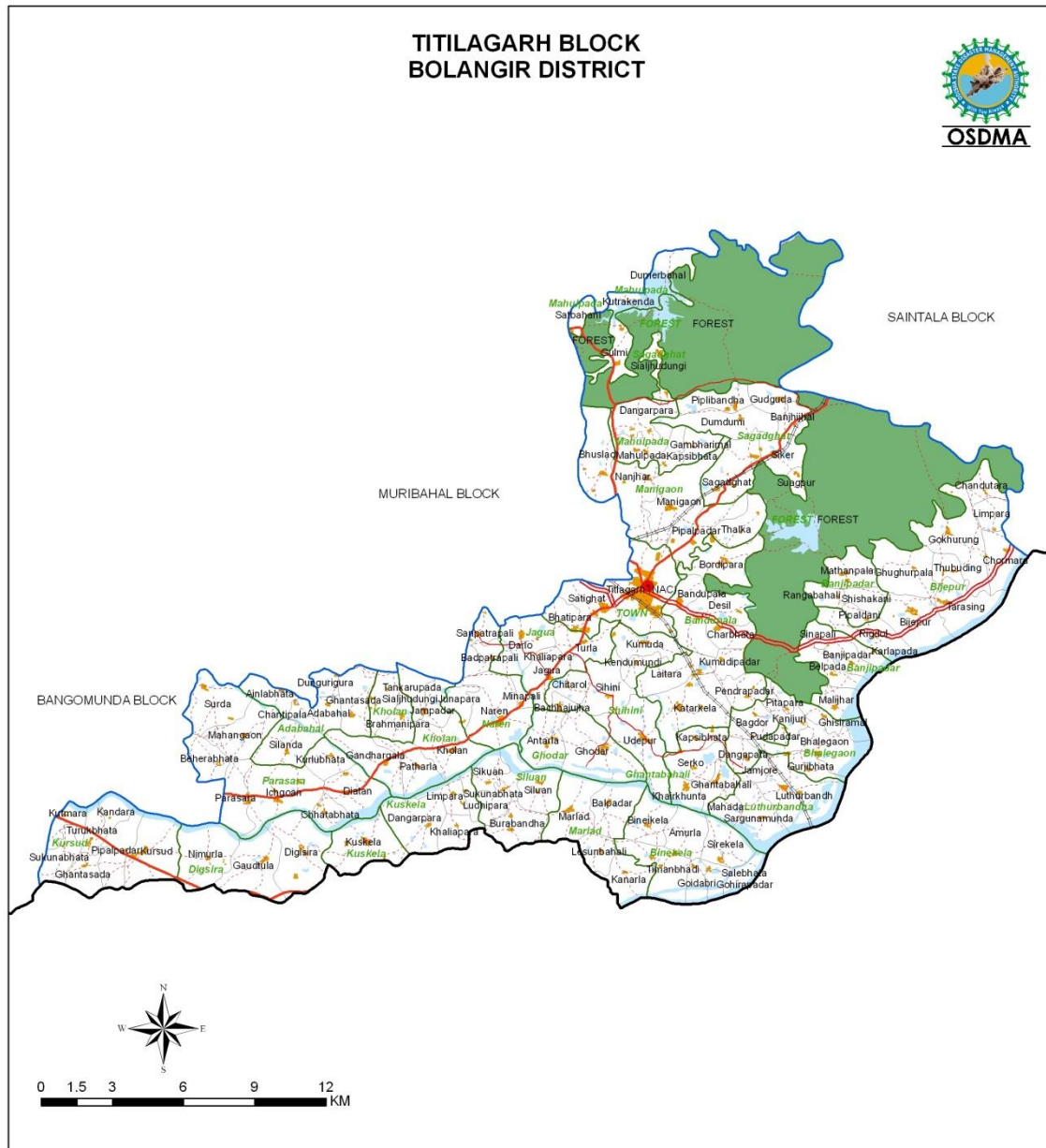












ODISHA STATE

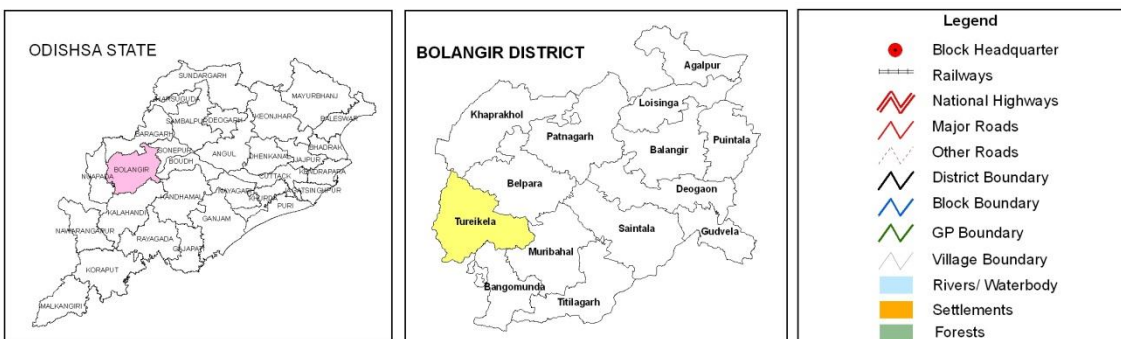
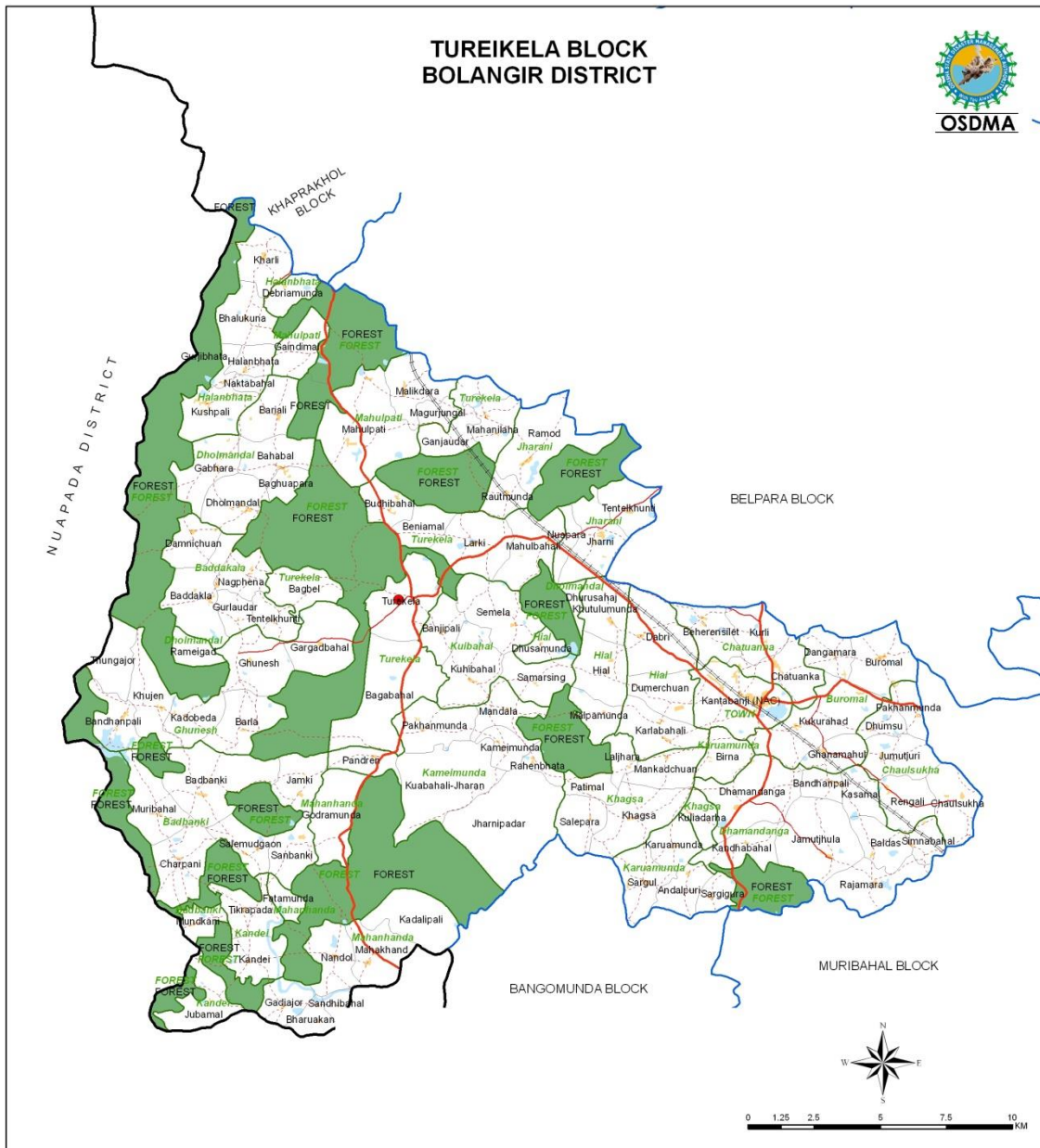


BOLANGIR DISTRICT



Legend

- Block Headquarter
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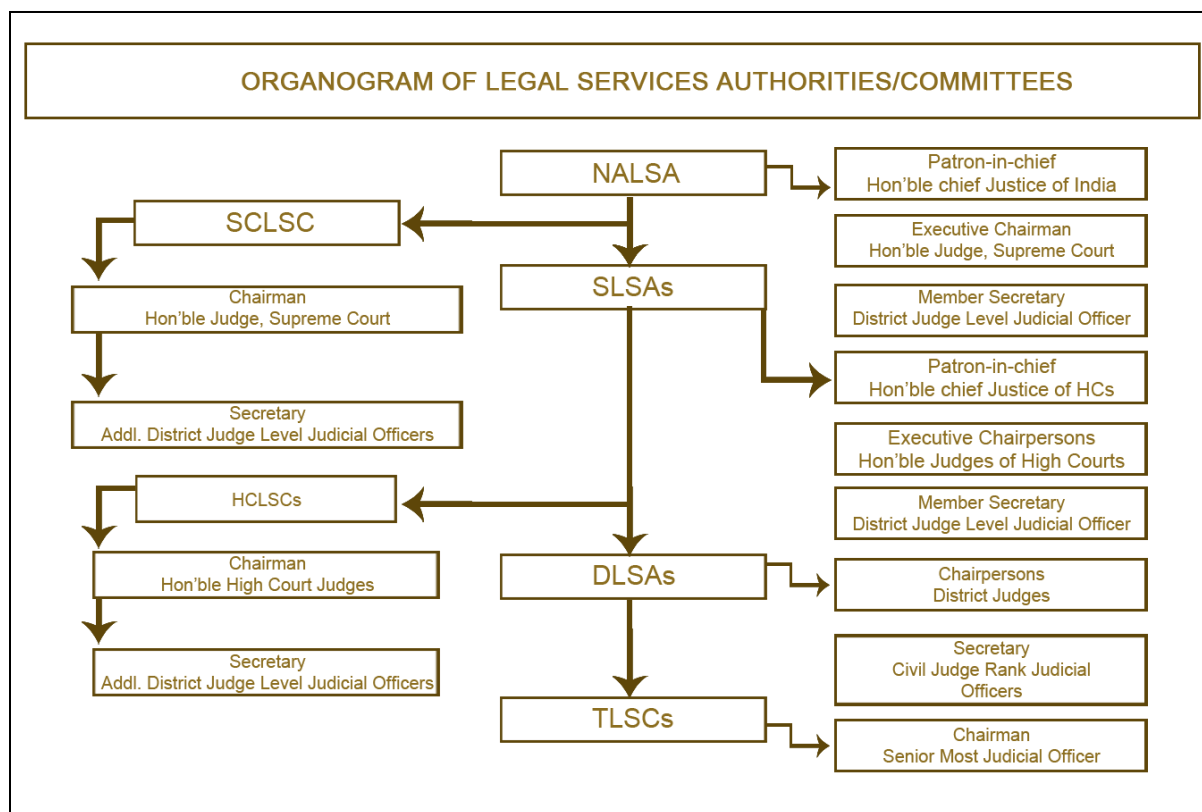


**National Legal Services Authority (NALSA):**

The National Legal Services Authority (NALSA) has been constituted under the Legal Services Authorities Act, 1987 to provide free Legal Services to the weaker sections of the society. The Chief Justice of India is the Patron-in-Chief and the Senior most Hon'ble Judge, Supreme Court of India is the Executive Chairman of the Authority.

Public awareness, equal opportunity and deliverable justice are the cornerstones on which the edifice of NALSA is based. The principal objective of NALSA is to provide free and competent legal services to the weaker sections of the society and to ensure that opportunities for securing justice are not denied to any citizen by reason of economic or other disabilities, and to organize Lok Adalats for amicable settlement of disputes. Apart from the abovementioned, functions of NALSA include spreading legal literacy and awareness, undertaking social justice litigations etc.

With the aim of reaching out to the diverse milieu of people belonging to different socio-economic, cultural and political backgrounds, NALSA identifies specific categories of the marginalized and excluded groups from the diverse populace of the country and formulates various schemes for the implementation of preventive and strategic legal service programmes to be undertaken and implemented by the Legal Services Authorities at the various levels. In carrying out all these responsibilities, NALSA works in close coordination with the various State Legal Services Authorities, District Legal Services Authorities and other agencies for a regular exchange of relevant information, monitoring and updating on the implementation and progress of the various schemes in vogue and fostering a strategic and coordinated approach to ensure smooth and streamlined functioning of the various agencies and stakeholders.



#### 4.25 Odisha State Legal Services Authority (SALSA):

Odisha State Legal Services Authority is a Statutory Body established under the Legal Services Authorities Act, 1987. Hon'ble Chief Justice of High Court of Odisha is the Patron-in-Chief of the Odisha Legal Services Authority and the Sr. Judge of the High Court of Orissa is the Executive Chairman of the Odisha Legal Services Authority. To look after the legal services pertaining to the High Court, there is High Court Legal Services Committee, which is chaired by a sitting Judge of the High Court and the Registrar (Judicial), Orissa High Court is functioning as the Secretary of High Court Legal Services Committee. The State Legal Services Authority monitors and guides the District Legal Services Authorities and Taluk Legal Services Committees in achieving the aims and objectives of the Act. There are 30 District Legal Services Authorities in the State of Odisha and 81 Taluk Legal Services Committees functioning under them. The District Legal Services Authorities are headed by District & Sessions Judges. An officer in the cadre of Senior Civil Judge functions as the Secretary of the District Legal Services Authority. The Taluk Legal Services Committees are headed by the senior most judicial officer posted at the station as the Chairman.

The general public who need any legal help / legal aid can directly contact the concerned Taluk Legal Services Committee / District Legal Services Authority, the High Court Legal Services Committee and the State Legal Services Authority, as the case may be, for their legal needs. Added to it, Front Offices have also been established in the premises of the District Legal Services Authority and Taluk Legal Services Committee manned by advocate retainers to offer legal advice to the beneficiaries and the general public as well and also to assist them in different Legal Services Activities.

The State Legal Services Authority has 15 Members which include the Hon'ble Chairman of High Court Legal Services Committee, Principal Secretaries in the Depts. of Law and Finance, Director-General and Inspector-General of Police, Advocate General, District Judges of Cuttack and Khurda at Bhubaneswar. Apart from that the State Authority has 5 nominated Members namely Hon'ble Minister, Law, Orissa, a Senior Advocate of Orissa High Court, an M.P., an M.L.A., and an eminent social worker who have experience in the field of Law, Finance, Social Service or Administration and who are engaged in the upliftment of the weaker sections of the society, including Schedule Castes, Schedule Tribes, Women, Children, rural and Urban Labour and who are interested in the implementation of the Legal Service Schemes.





## School DM Plan Model Template- National School Safety Programme (NSSP)

### Section 1: Introduction:

- a. School profile (*attached format in annexure-I*)
- b. Aim and Objective of the plan
- c. Geographical location of the school.

#### Guidance Note:

- This section of the plan will provide information relating to the school as per details given in Annexure-I It should also mention the objective of the plan, the stakeholders who will be using the plan and members who would be responsible for implementing, reviewing and updating the plan.
- This section can also include a map of the school.

### Section 2: Hazard Risk and Vulnerability Assessment

- a. Non-structural assessment (*can be done practically by all teachers and select students in a group exercise*)
- b. Structural assessment ( to be done by a Civil Engineer, Licensed Building Surveyor)
- c. Identification of hazards outside the school campus (Road Safety, Industrial Hazard, Chemical hazard, open drain flooding etc).
- d. Database of past disasters/accidents which has affected the schools.
- e. Identification of vulnerable locations within the school campus
- f. Summary of the key findings and identifications of action for mitigation.

#### Guidance Note:

This section of the plan will focus on identifying the various vulnerable areas within the school building as well as the probable risks arising out of structural and non structural elements.

For identifying non-structural and structural weakness in the school building committee may be constituted comprising members of School Administration (including Physical Education Teacher), officer from nearest fire station/Civil defence post ward, Health Service Provider (doctor/nurse/health worker) from nearest health centre/hospital/nursing home, officer from the nearest police station, engineers from PWD, S, Municipal Corporation/Zilla Parishad who may help in identifying the structural and non-structural weaknesses in the building. Likewise this committee can also identify hazard outside the school campus particularly the hazard related to road/traffic outside the school building, industrial (Chemical Hazard) which may be due to location of such an industry in vicinity of the school.

This *Hazard hunt* activity will help in identifying some of the obvious risks like improper location of electricity panel in the school, open electricity panels, live wire if a improper placing of cupboards and furniture, obstruction in the escape route or object that can fall during the Earthquake such as glass panel, flowerpot etc.

This section of the plan can also document or provide details of any past disaster that has affected the school or in the vicinity of the school.

### Section 3: Preparedness

This section of the plan should include the following:

- a. **Constitution of school DM Committee Composition of the Core Team and its roles and responsibilities during different phases.**
- b. **Constitution of sub team and identification of roles and responsibilities of each of the sub teams/ task force, before, during and after disaster. The school may comprise of the following teams/task forces.**
  - i. *Awareness Generation , Warning and information dissemination team.*
  - ii. *Evacuation team.*
  - iii. *Search and rescue team (only teachers to be member of this team)*
  - iv. *Fire safety team*
  - v. *First aid team.*
  - vi. *Bus safety team (for each bus) - wherever applicable.*
  - vii. *Site security team.*

**Guidance Note:**

This section of the plan will focus on Preparedness. Higher Level of preparedness for disaster helps to minimise the loss of life and prevention of injuries caused particularly during earthquakes for which there is no warning. However certain other hazards like flood, cyclone etc do have early warning system thereby giving some time for taking response. Children being the future of tomorrow should be ensured a safe learning environment and prepared well to respond effectively during disasters. To put this into practice it is recommended that every school constitute a School Level Disaster Management Committee along with sub committees to ensure better preparedness and response in disasters. The various committees constituted in school will comprise of members from among teachers, non teaching staffs as well students. However for certain committee like search and rescue students are not recommended. The recommended structure for a School Disaster Management Committee is as follows:

1. Chairperson: Principal
2. Vice Principal, Heads of primary and middle sections
3. Education Officer / Deputy Education Officer for the zone
4. Parent Teacher Association President
5. 4 Students (NCC, NSS, Scouts and Guides, Head Boy and Head Girl)
6. Representative of Relief/ Revenue/ Disaster Management Department/ District Administration/ Municipal Corporation
7. Representative of the Fire Services (from Closest Fire Station) or Civil defence personnel
8. Representative of Police (from Closest Police Station)
9. Representative of Health Department (Local Doctor)
10. A Warden from Civil Defence

The sub committees mentioned below will work under overall supervision of school Disaster Management Committee (SDMC). Following sub committees can be constituted

Awareness generation and warning and information dissemination team.

Evacuation team.

Search and rescue team (only teachers to be member of this team)

Fire safety team

First aid team.

Bus safety team (for each bus).

Site security team.

For First Aid and Site Security team the representative of nearest Police Station, Hospital/health services and fire station may be identified. The roles and responsibilities of these committees during disaster as well as peace time need to be defined clearly.

**c. Resource inventory**

- i. Listing of resources available inside the school campus: which could be used during any disaster situation for effective response.
  - ii. Identification and listing of resources outside the school within vicinity of one-five kilometres
    - a) Nearest hospitals Health Centre for emergency treatment.
    - b) Police Station.
    - c) Fire station.
  - iii. **Updation of important telephone numbers in Principal's room**
  - iv. **Critical health problem record** of each child to be maintained by school and also displayed on his I-Card with blood group along with **Updated contact details** of parents/Guardian and alternate contact persons.
  - v. **Disaster preparedness check-list.**(Attached in Annexure-II)
- d. Mechanism for alerting students and teachers during school time including installation of alarm.**
- e. School Map with evacuation plan in place (Attached in annexure-III).**
- f. Annual calendar for conducting various preparedness activities** along with plan to implement it. This will include the list of various awareness generation programmes to be conducted by the school annually.
- g. Action plan for conducting Mock drills** and development of a checklist to identify the gaps
- h. Steps for Updation of DM plan**-indicating the timeline and the process of doing it along with the roles of teachers and other non teaching staffs.

**Guiding note for Resource inventory:**

As part of preparedness exercise, each school must develop a School DM kit. It is suggested that a network is established by the school management with the nearest hospital /health centre/ health worker for help in case of emergency. The suggestive list of items which could be procured for School DM kit been listed below. However, it is suggested that each school must have provision for other external resources (grants given by the State Government like MPLADs/MLALADs etc) to strengthen this resource list further.

- |  |   |                             |
|--|---|-----------------------------|
| <ul style="list-style-type: none"> <li>i. Stretcher.</li> <li>ii. Ladders.</li> <li>iii. Thick rope.</li> <li>iv. Torch.</li> <li>v. First-aid box.</li> <li>vi. Temporary shelter(tents and tarpaulins)</li> <li>vii. Sand buckets.</li> <li>viii. Fire Extinguishers.</li> </ul> | } | Provision of School DM kit. |
|--|---|-----------------------------|

### **School map with evacuation plan:**

It is recommended to prepare a floor wise evacuation plan and display it prominently at the notice board at each of the floor. The evacuation plan may be discussed by the evacuation team with the teachers and students to generate awareness to help conduct mock drill. (A sample Evacuation Map is attached for reference as Annexure III)

### **Guiding note for Mock drill**

Mock drills are the way of listing the preparedness plan .It is one of the last steps in preparedness. The mock drill on earthquake, fire etc may conducted at periodic interval preferably once in every six months and the deficiencies may be assessed for updation of the plan. This section of the plan should clearly indicate the steps to be followed to conduct the mockdrills and the responsibilities of the teachers, non teaching staffs and students. If required school should invite the Fire Service Officers and trained Civil Defence volunteers for support. The steps to be followed for earthquake drill mentioned below.

### **Earthquake drill:**

- i. Practice drop, cover and hold.
- ii. Evacuate classroom in less than 1 minute without pushing and falling.
- iii. Evacuate school in less than 4 minutes using different exit.
- iv. Lookout for friends.
- v. Stay away from weak areas/structures.
- vi. Help those who need assistance (*identification of task force in advance for rescue of special children*).



**Fire/Chemical Accident/Drill:**

- i. Evacuation from classroom
- ii. Ensure safe storage of inflammable liquids/chemicals.
- iii. Put off electricity and remove or close down gas connections.

**i. Capacity building and training:**

Capacity Building and training of students teachers is an important step to ensure safety of school going community in a disaster situation. Every year appropriate number of teachers and students may be trained in various skills of disaster management.

Action plan for training of teachers, non teaching staffs and students on DM including all the task force constituted and also organising refresher course. This can also include documentation of details of trained teachers and students.

**j. Awareness generation and sensitization:**

Awareness generation/sensitization is a part of preparedness measures aiming at sensitising and educating all the stakeholders including students, teachers and officials/parents issues relating to school safety. It is suggested that an annual calendar of events may be prepared including various activities involving students/teacher etc where experts from outside may also be invited for giving their opinion on school safety issues.

Some of the measures which could be undertaken by the school management for creating awareness are as follows:

- a. Through poster, audio-visual clips, organizing debate, quiz, sports activities, drawing competition, rally in schools.
- b. Display of important information on school notice board including school evacuation plan and weather clipping.
- c. Conducting seminars and lectures on making the learning environment safer and involvement of Parents in such seminars.
- d. Observing a month of safety in the year calendar of school as *Preparedness month*.

**Section 4: Response:**

- a. Hazards specific response plan including Crowd Management to avoid stampede on special days like annual functions, sport day etc.

- b. Alternate arrangement for continuation of school education. (Delivery of education during and post disaster situation particularly in cases where the school will be used as relief shelters).
- c. Reporting of Emergencies/Disasters to the Government.
- d. Special provision for specially abled children.

#### **Guidance Note:**

This section of the plan should be very precise, crisp indicating the various roles and responsibilities of teachers, non teaching staff and students during disaster situation. The plan should clearly mention the steps to be followed in case of an earthquake, fire, flooding, cyclone or such emergent situation like stampede or health problems faced by any student. The plan should include all the steps to be taken up by the school management to ensure safety of the child including their safe evacuation from the affected site till the child is handed over to the parents. It will also include all other steps to be taken up by the management to ensure supply of essential services in the school like power, water and food and basic first aid during a disaster and immediately after it.

### **Section 5: Mitigation measures**

#### **a. Listing of various Non-structural measures to be undertaken in the school along with timeline.**

- i. Ensuring clear passages, stairway which are to be used as evacuation routes.
- ii. Chemistry labs- the bottles used for storing the chemicals are secured and protected against shattering.
- iii. Fixating of *Almirahs* to the walls of staff room.
- iv. Securing fans and light from ceiling.
- v. Fire safety measures.

#### **b. Safety audit**

- i. Electric safety audit-checking of the electrical system by an electrician.
- ii. Fire safety audit- checking for possible sources of fire and identifying inflammable items within the school.

- iv. Audit of purity of water supply in school.
- v. Inspection of the hygienic conditions in kitchen and washrooms.

**Guidance Note:**

This section of the plan will focus on various mitigation measures to be undertaken by the school. Mitigation Planning is a long term exercise and hence it is essential to divide the strategy prioritizing the actions along with definite timeline. It is also necessary to prioritise the actions based on the nature of the threat and its potential to cause injuries and loss of life. Some of the non structural mitigation measures like anchorage of almirahs, clearance of the exit routes, relocation of the storage of laboratory items, installation of warning alarms could be done immediately by incurring minimal cost, some other mitigation measures like major structural repair work will require more time and fund commitments.

As a part of mitigation action, school should also undertake periodic fire and electrical safety checks by involving officials from Electricity Department/ board, Fire Services, PWD etc. Other measures like testing of purity of drinking water and hygienic conditions in the school should also be undertaken.



**(Annexure-I)****Details of School Profile**

1. Name of School and code number provided by Department of Education
2. Postal address with pin code.
3. Contact number-
4. Number of teacher - Male \_\_\_\_\_ Female \_\_\_\_\_
5. Number of students – Male \_\_\_\_\_ Female \_\_\_\_\_
6. Number of differentially able students: Male \_\_\_\_\_ Female \_\_\_\_\_
7. Specify the type of disability-
8. Date of Construction of School building-
9. Number of Buildings in the school compound-
10. Number of classrooms –
  - Number of Chemistry laboratory
  - Number of Physics laboratory
  - Number of Biology Laboratory
11. Number of floors-
12. Number of staircases-
13. Do you have a kitchen? Yes/No-----  
 -if yes do you have Gas stove or open fire kitchen or use cooking gas connection-
14. Do you have toilets separate for- Boys- Yes/No Girls – Yes/No
15. Number of drinking water points-
16. Playground size and open area -
17. Fire extinguisher installed-
  - If yes number of fire extinguisher –
  - Date when last checked-
18. Number of Sand Buckets installed -
19. Evacuation drill organized – Yes/No  
 if yes last date when drill conducted and number of student who participated –

**(Signature of Principal)**

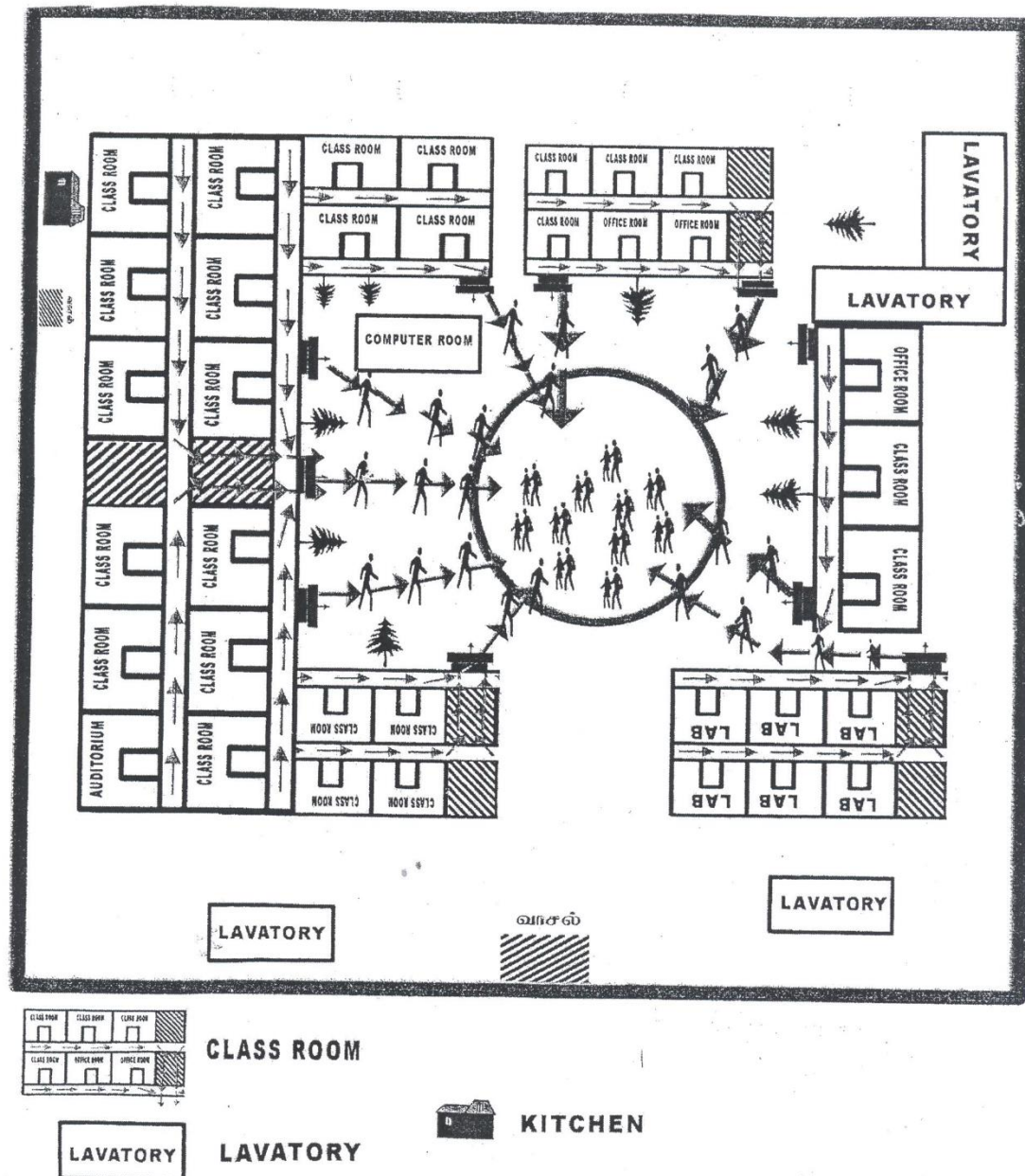
(Annexure-II)

**EMERGENCY MANAGEMENT PLAN CHECKLIST****NAME OF SCHOOL & LOCATION.....****DATE:.....****YES**

1. Have the emergency numbers been confirmed with the concerned departments ☐
2. Are the emergency contact numbers prominently displayed in the principal room ☐
3. Does the plan clearly specify procedures for reporting emergencies to the government services and the relevant education authority ☐
4. Are the potential risks within and up to a kilometre from the workplace identified? ☐
5. Does the plan clearly mention about the evacuation plan? ☐
6. Are the roles and responsibilities of key personnel's clearly defined – task force team leaders, class teachers, office staff and students. ☐
7. Are the staff responsibilities to account for and supervise students during and following the emergency clearly described? ☐
8. Does the plan give emphasis on the more vulnerable children below class V? ☐
9. Does the plan address the students with special physical, mental and medical needs? ☐
10. Does the plan describe about how the DM team will be trained ? ☐
11. Does plan provide the calendar for mock drill to be conducted? ☐
12. Has the plan been endorsed by local police and fire brigade? ☐

## Annexure-III

## Sample School Evacuation Plan



## Procedure for Using Inmarsat Isat Phone 2

- a) Stand outside with a clear view to the sky with the phone antenna pointing upwards.
- b) There must be a clear line of sight between the phone's antenna and the satellite.
- c) Point the antenna towards South-East direction.
- d) Switch on the phone by pressing the Red power button of the phone for few seconds.  
Until the screen lights up.
- e) Align the antenna for getting the maximum satellite signal strength (minimum two bars)
- f) The screen will show "searching for satellite" "registering with network".
- g) The screen will show "ready for service". Inmarsat name will come in top right corner.
- h) Then the phone is ready to operate
- i) Simply dial the desired no:
- j) From satellite to landline : Dial 00 + Country code 91+ STD code (without 0) + desired Telephone No
- k) From Satellite to mobile : Dial 00 + 91+ Mobile Number
- l) From Satellite to satellite: 00+ satellite phone number
- m) From Landline (should have ISD facility) to satellite : 00 + satellite phone number
- n) From Prepaid mobile (should have ISD facility with sufficient balance) to satellite : 00 + satellite phone number
- o) To end the call Press 'red' button



### NOTE:

- p) A delay in microseconds will be observed so the user is advised to listen to one end and then speak.
- q) The user is also advised to SPEAK SOFTLY to get better voice quality at the other end.
- r) Check the Battery. (Display will show a rectangular block that will be filled according to the charge in the battery). Always charge the battery till it gets charged 100%.
- s) For more detail information please follow the User Guide document.