District Disaster Management Plan, 2019

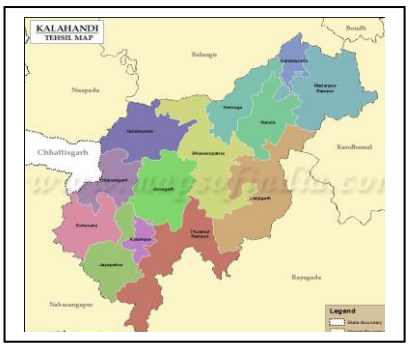






Volume-1

District Disaster Management Authority, Kalahandi



PREFACE

"Disaster is a serious disruption of the functioning of society which poses a significant, widespread threat to human life, health, property or the environment, whether arising from accident, nature or human activity, whether developing suddenly or as the result of long-term processes, but excluding armed conflict."

The District Disaster Management Plan is a key part of an emergency management. It will play asignificant 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.

The District Disaster Preparedness and Response Plan, includes the facts and figures that have been collected from various formal and informal sources with a view to meet the challenges during any Natural Disaster. Collection and classification of data are to be updated twice in May and November every year. The plan has been prepared with the following viewpoints.

- 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

It's a great pleasure that, the district administration has developed and releasing "the District Disaster Management Plan (DDMP, Volume-1 & Volume-11)" for this year 2019. I am sure that the information provided in this plan is of great use to the officers as well as to the common public who acts as an disaster manager during emergencies. The DDMP-2019 has all the important information regarding the standard operating procedures (SOPs) for risk mitigation for each disaster strikes the district time to time. The analysis incorporated in this plan is evidence to the hard work rendered by dedicated officers of OSDMA and line department officials of Kalahandi District.

I wish all the success to the team behind the preparation of the DDMP-2019.

(SMT. NAMITA RANI SAHU)

PRESIDENT, ZILLAPARISAD
KALAHANDI



MESSAGE

I am much hopeful that the District Disaster Management Plan- 2019 shall serve to the need of the people of Kalahandi district.

This plan is prepared by District Project Officer, OSDMA, Kalahandi with the support of District Emergency Officer and all the staffs of Emergency Operation Centre.

With much expectation, this plan will definitely of in use to handle the hazards within Kalahandi District with a mission of Zero casuality.

(Dr. Gavali Parag Harshad, IAS)
Collector, Kalahandi



Message

I extend my compliments to the District Disaster Management Authority of kalahandi 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 aim and objective of this plan 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.

Lastly I thank to the team behind the preparation of DDMP-2019.

(Sri. Sarat Chandra Srichandan)
Addl. District Magistrate,
Kalahandi.

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 adoption and mitigation

Weather and climate are the results of complex interactions betweenanthropogenic and naturalfactors. Evidence of global climate change includehigheraveragetemperatures, changes in precipitation, oceanwarming, ocean acidification, sealevelrise, decreasingseaice, and changes in physical and biologicalsystems

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Chapter 7: Safety of Schools and Child Care Institutions

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 8: Capacity bulding measures

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,

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: Recovery

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

Rehabilitation and restoration come 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: Financial arrangement

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

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 lineDepartments
- Support of line departments (for providing information)
- Time lines for updating DDMP. (From January to February of every year)

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ABBREVIATION

AAY	India AwasYojna
ANM	Auxiliary Nurse Midwife
ASHA	Accredited Social Health Activist
AWCs	Anganwadi centre
BEOC	Block Emergency Operation Centers
BNRGSK	Bharat Nirman Rajiv Gandhi Seva Kendra
BSF	Boarder Security Forces
CDVO	Chief District Veterinary Officer
CHCs	Community Health Centre
CIFS	Central Industrial Security Force
CPMF	Central Paramilitary Force
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
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 AwasYojna
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
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
SHGs	Self Help Group
SLCNC	State Level Committee on Natural Calamity
SoP	Standard Operating Procedure
UNDP	United Nation Development Programme
VDMC	Village Disaster Management Committee
NALSA	National Legal Service Authority
SALSA	State Legal Service Authority
DLSA	District Legal Service Authority
RTO:	Regional Transport Officer
MVI:	Motor Vehicle Inspector
CSO:	Civil Supply Officer
ACSO:	Assistance Supply Officer

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 belier 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.

The district of Kalahandi is located in south-west region of the state of Orissa. As regards geographical region, the district is situated between 19^0 3’ N and 20^0 18’ N latitude and $82^0$20’ E and 83^0 47’ E longitudes. The district headquarter town Bhawanipatna is situated at a distance of 418 kms. From State Capital Bhubaneswar. The district is bounded o the north by Nuapada and Bolangir districts, on the east by Kandhamal and Rayagada, on the south by Nabarangapur and Koraput districts, on the west by Raipur (Chhatisgarh) and Nabarangapur district.

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, Philin 2013, unexpected flash flood of Mumbai etc. Considering such situation, Government of India already has passed the Disaster Management Act on 23rd 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 Tahasildars 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. Block Disaster Management Committees Committees (under the chairmanship ot the Sarpanch) and Village

level Task Force Committees have been constituted in the programmed areas (16 districts) under GoI-UNDP Disaster Risk Management programme for day-to-day management of disasters and risk reduction measures.

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.

1.1 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
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.

1.2 Authority for DDMP: Approval & implementation

As per Notification No. IVF (OSDMA)-24/20-10- 46209 dt. 12th November, 2010 of Commissioner-cum-Secretary to Government, Revenue & Disaster Management, Government of Odisha, communicated by Joint Secretary to Government, R & D.M. Department, Odisha, Bhubaneswar, the District Disaster Management Authority of the district of Kalahandi 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 have 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 Evolution of DDMP in brief: (Evolution, Methodology followed for preparation of DDMP)

1.3.1 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 Kalahandi 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), Kalahandi 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 2019, OSDMA has taken special efforts to bridge the gap under straightening of DDMA and SDMA projects. OSDMA developed detailed methodology and temples to update the existing DDMP. Thus, for 2019 and onwards, the DDMP has two parts vis. Volume I which contains the DDMP and Volume II covered relevant statistical figures and annexure.

1.3.2 Methodology

Preparation of a Disaster Preparedness Plan involves the following steps:

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	▪ Past history of disasters to be discussed and documented ▪ Extent of severity and damage to be recorded ▪ The nature of the Warning issued to be analyzed The nature and extent of the rescue and restoration done, to be revisited
II	Situation Analysis	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	▪ Mapping the geography and topography of the risk prone areas, block-wise, GP-wise and village-wise ▪ Demographic details to be recorded ▪ Mapping of the habitation in the concerned areas ▪ The natural resources to be marked on the maps ▪ Listing all the livelihoods and properties ▪ The existing risk prone/ safe infrastructure to be marked on the map
III	Hazard Analysis	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	▪ Identification of all possible hazards in the area based on past experience and available records Identification of the most vulnerable areas with relation to threat to life, livelihoods and property

IV	Vulnerability Assessment	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	▪ Locations of the vulnerable areas are to be mapped separately ▪ 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. ▪ 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. ▪ Identification of weak points on embankments (if any) ▪ Marking the drainage system in the concerned area
V	Opportunity Analysis	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	▪ Identification of the existing resources which may help to reduce risks to life and property ▪ Identification of the safe houses and buildings for shelter and storage ▪ Listing the existing flood/cyclone shelters, if any ▪ Identification of the elevated and up-lands which can act as natural barriers to protect livestock ▪ Listing of the existing health and sanitation facilities ▪ Identification of safe routes for evacuation ▪ Identification of the sources of funds to carry out the preparedness activities.

1.3.3 Formation of Team under DDMA

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, Kalahandi is the Chief Executive Officer of the Committe

1.3.4 Review, Finalization and Approval

The information submitted to all concerned was compiled and report was drafted by DPO, OSDMA, Kalahandi under the close supervision of Addl. District Magistrate. 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 was shared with the members of District Disaster Management Authority (DDMA), Kalahandi. The DDMP, 2019 was finally approved by DDMA on.

1.4 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***
Pre-Disaster	Preparedness Before the Disaster: ▪ 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 ▪ Identifying and mapping of disaster-prone zones and strategies to stay prepared for the worst. ▪ Ensure proper extension of the disaster preparedness techniques for drought, heat wave, flash flood, epidemics by the concerned department. ▪ Ensure IEC through Emergency section/BDO's /Tahasildars/NGO's /AW centers /Street plays/ Workshops / Wallings. ▪ Reviewing the DCR and making it functional as per SOP fixed by him (SOP to be prepared earlier) ▪ Making the DCR well equipped and depute senior officers from time to time to review the receipt of information and dissemination. ▪ 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. ▪ Preparing a checklist (containing the dos and don'ts) and pass that on to the NGOs ▪ Ensuring/installing communication system to the inaccessible villages. ▪ 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,NGOsetc • 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.
Post-Disaster	Short-term Measures: ▪ Formation of special task force with required equipments. ▪ Assigning responsibilities for specific areas. ▪ Damage Assessment ▪ Temporary supply of food, drinking water and medicines to the shelters and affected areas ▪ Arrangement for safe shelter for animals. ▪ Providing temporary arrangements for income generation for the affected people ▪ Drought resistance short duration paddy seeds to be made available to farmers. ▪ Encouraging NGOs/INGOs from outside to carry out restoration and reconstruction works ▪ Ensuring crop insurance ▪ Supervising all the activities Long Term Measures ▪ Immediate restoration of Road communication, Irrigation system, Educational institutions, Govt. Institutions, Electrical installation, Drinking water supply, Construction of IAY houses for the BPL families ▪ Breach Closure and other Embankment Strengthening activities ▪ Planning for holistic approach of drought mitigation through Watershed and Watershed plus intervention ▪ Planning for increasing the irrigation potential of the district through the construction of more Medium and Minor Irrigation Project. ▪ Meeting with district level officials /Officials at Head quarter and chalk out emergency plan with vulnerable areas and resource list ▪ Co-ordination meeting of NGOs /PRIs. &Assignment of duties.

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

PHASE	ACTIVITIES
Pre – Disaster	• Playing a second fiddle to the Collector in all aspects • Ensuring proper dissemination of warning both downward and upward level improper interval of timing. • Ensuring proper functioning of Control room • Deployment of Office in charges of Collectorate in control room round the clock basis.
During Disaster	▪ Arrangement of Vehicles ▪ Keeping the Police and Fire Personnel ready ▪ Keeping staffs at the DCR ready ▪ Deployment of additional staff if necessary ▪ Proper allocation of relief materials to the affected areas ▪ Allocation of officials for proper distribution of relief materials ▪ Supervision of relief distribution
Post-Disaster	▪ Keeping liaison with all line departments ▪ Restoration of roads, transport and communication systems ▪ Collection of progress report on restoration and reporting to the Govt/SRC/RDC ▪ Periodical visits to the affected areas to supervise the restoration works ▪ Procuring the list of the affected people and property from the BDOs/Tahasildars ▪ Preparing a comprehensive damage report ▪ Allotment of relief materials/financial assistance ▪ Monitoring to make sure that everything is at its place ▪ Coordination with line departments and civil society organizations ▪ Supervision of restoration activities under taken by different voluntary agencies.

Roles and Responsibilities of the CDMO

PHASE	ACTIVITIES
Pre-Disaster	Preparedness and Warning Dissemination: ▪ Stock pilling of Life saving drugs/ORS packets/Halogen tablets on receipt of warning from the Collector/DCR ▪ Transmission of messages to all PHCs to stock medicines and keep the medical staff ready ▪ Disease surveillance and transmission of reports to the higher authorities on a daily basis. ▪ Vaccination. ▪ To obtain and transmit information on natural calamities from the DCR ▪ Advance inoculation programme in the flood/Cyclone prone areas. ▪ Ensuring distribution of areas of operation among the mobile team. ▪ Pre-distribution of basic medicines to the people who are likely to be affected ▪ Shifting the patients who are in critical situation to the District Hospital ▪ Awareness messages to stop the outbreak of epidemics ▪ Conducting mock drills

During Disaster	▪ Constitute mobile teams and visit the worst affected areas. ▪ Dis-infection of Drinking water sources. ▪ Opening of site operation camps ▪ Regular Health Check up at Shelter camp/Cyclone shelter & affected areas ▪ Assigning responsibilities to the ADMOs/ SDMOs for close monitoring of Health camps.
Post-Disaster	Restoration and Rehabilitation ▪ Organization of Health Camps, ▪ Deploying mobile fully equipped and manned Medical vans ▪ Close monitoring of Health camps. ▪ Ensuring adequate quantities of medicine/disinfectants ▪ Making sure that there is no out break of water borne diseases/Malnutrition ▪ Co-ordination with the District Rehabilitation Committees, other line departments, NGOs /ICDS projects, village committee, PHD, RWSS, etc.

Roles and Responsibilities of the Superintendent of Police

PHASE	ACTIVITIES
Pre-Disaster	**Preparedness and Dissemination of Warning** ▪ Reception of Warning from the DCR ▪ Communication establishment with District and Block/Tahasil Control rooms and departmental offices within the division. ▪ Alerting the APR force for deployment at the time of calamity ▪ To issue directive to police field functionaries to co-operate with Revenue Personnel in management of Relief operation.
During Disaster	Rescue and Evacuation: ▪ Clearance of roads and other means of transportation ▪ Traffic management and patrolling of all highways and other access roads to disaster sites ▪ Making sure that discipline is maintained ▪ Assistance to district authorities for taking necessary action against hoarders, black marketers and those found manipulating relief material ▪ Co-ordination with fire personnel. ▪ Provision of security in transit camps/feeding centers/relief camps/cattle camps/cooperative food stores and distribution centers ▪ Safe guarding of belongings of evacuees Distribution of Relief: ▪ Maintaining laws and order at the Shelters and the relief camps ▪ Coordination with military service personnel in the area ▪ Deploying officers/ police personnel to record death cases

	▪ Assisting the community in organizing emergency transport ▪ Assisting the District officials/NGOs in distribution of relief materials. ▪ Providing escorts in transit of relief materials to the relief camps/affected areas.
Post-Disaster	▪ FIR of the disasters, the damages and the death cases. ▪ Assisting in collection of damage statistics of private properties and distribution of assistance such as HB grant/ sand-cast subsidies. ▪ Maintaining law and order ▪ Close Coordination with district administration and local/external NGOs in reconstruction and rehabilitation process ▪ Assisting the District authority whenever the need arises ▪ Periodical visits to the affected areas to ensure law and order

Roles and Responsibilities of the District Emergency Officer

PHASE	ACTIVITIES
Pre-Disaster	▪ Making sure that everything stays at place in the control room. ▪ Seeing to it that the DDMP and the contingency plan for flood/cyclone reach all the line departments. ▪ Receiving the Warning from SRC/OSDMA and crosschecking them with IMD and in websites for authenticity ▪ Disseminating the warning to the block/Tahasil offices and asking them to disseminate further to reach each and every household. ▪ Deploying the staff of the control room for round the clock alertness. ▪ Making sure that all the shelters receive enough water and food stocks in advance ▪ Establishing contact with all the line depts. Over phone, email, wireless, sat phone and VHF ▪ Procuring all the required resources from all the possible sources. ▪ Regularly updating the information received from the blocks
During-Disaster	▪ Coordinating with all the line departments for rescue and evacuation. ▪ Checking the stocks with the DCR and asking for more if needed. ▪ Distributing the relief materials to all the places. ▪ Checking every bit of receipt and dispatch of relief items ▪ Establishing round the clock contact with all the depts., BDOs and Tahasildars and with the shelters.
Post-Disaster	▪ Receiving the list of beneficiaries from different blocks and GPs ▪ Crosschecking the list of beneficiaries to avoid fabrication

Roles and Responsibilities of the BDOs and Tahasildars

PHASE	ACTIVITIES
Pre Disaster	Preparedness: ▪ Providing authentic information required by the DCR ▪ Preparing a record of previous disasters in the locality and analyzing the effects ▪ Preparing hazard maps of the Block./Tahasil& the GPs in minute details ▪ Mapping the cut off areas with alternate route map. ▪ Identification of shelter places in the maps ▪ Keeping a List of storage Points & facilities available, dealers of foodstuffs. ▪ Keeping a list of vulnerable people and area and weak points on embankments (if applicable) ▪ Creating a Control Room at the respective level and assignment of duties to the staff. ▪ Pre-positioning of staff for site operation centers. ▪ Uninterrupted communication with the DCR ▪ Arrangement of alternative communication/generator sets, etc ▪ Formation of GP/village level disaster committees and task forces ▪ Arrangement of boats on hire available locally. ▪ Deployment of Boat in the most vulnerable areas. ▪ Organizing awareness camps at GP/village levels
	Dissemination of Warning: ▪ Crosschecking with the DCR for the authenticity of the warnings ▪ Arrangement or requisition of Jeeps/Trekkers/ Auto Rickshaw to disseminate received warning information's to the population of vulnerable / weak places ▪ Dissemination of warning/ coordination with District control room. ▪ Warning the people about probable affected areas ▪ Mobilizing the people to leave for identified shelters with their domestic animals and personnel belongings.
During Disasters	Rescue and Evacuation: ▪ Deployment of Police/Fire Brigade for search and rescue. ▪ Co-ordination with civil defense/NCC/NSS/Rajya Sainik Board for rescue operation. ▪ Ensuring availability of rescue materials. ▪ Guiding the evacuees in the identified shelter places and arranging all common needs for them. ▪ Provision of rescue kits. ▪ Clearance of roads and water logging for restoring communication to affected GPs/Villages. ▪ Assisting the District Team in every possible ways ▪ Coordinating with the NGOs/CBOs for rescue work ▪ Mobilizing the local youth to help the rescue team **Distribution of Relief:** ▪ Keeping the record of everything at the shelters ▪ Arrangement of free kitchen in the shelter camps./worst affected areas.

	▪ Deploying staff for proper distribution of relief materials ▪ Arrangement of communication system in the worst cut off areas. ▪ Ensuring supply of safe drinking water & health facilities in the effected areas/shelter camps. ▪ Coordination with NGOs/Other voluntary organizations
Post-Disaster	Restoration and Reconstruction: ▪ Collection of damage statistics of PR department properties /ICDS/school buildings etc. ▪ Ensuring just distribution of HB grants and other financial assistance ▪ Provision of temporary income generation activities for the worst affected people ▪ Supervision of Relief operation and restoration work in the affected areas. ▪ Restoring the transportation and educational institutions on high priority ▪ Helping the local economic activities to come back to normalcy ▪ Provision of grants/loans for the local traders and shop-keepers ▪ Keeping liaison with District administration and other line departments ▪ Ensuring coordination with the RI and G.P/Village committee. ▪ .Co-ordination with NGOs/Civil society organization etc.

Responsibilities of other Line Departments:

DESIGNATION OF THE OFFICER	DUTIES TO BE PERFORMED IN NORMAL TIME.
Asst. Engineer, Electrical	• He should see that the field staff checks the electrical line and replace old materials used in the power supply. • He should see that all had wiring in service connections are rectified. • He should enumerate the diesel sale available and his jurisdiction and keep it available. • He should see that the report regarding cyclone warning should be reported to other subordinate offices. • He should see that trees, branches etc. fall on electrical lines are out and removed. • The field staff should see that electrical supply in the places where cyclone may be serve is cut off. • The field staff should be in touch with local Tahasildars and inform the situation at frequent intervals. • To provide Diesel generators to hospital water works. Control Room Collector's office in case of failure of powers.
Superintending Engineer Irrigation.	• The branches to canal drain bandha to be closed. • The Embankments should be Strengthened. • It should be checked whether the passage bridge and channels are in good condition. • The obstruction in the canals if any should be got removed immediately to be enabling free flow of water. • The bocks and shutters of the canals are to be checked and satisfied that they are in good condition.

	• 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. • Navigation in the canal should be stopped. • Water supply in to canals should be out off by closing the sluices. • The canals and drains should be free from constructing and they should be made available for free discharge of drain water.
Fire officers	• The Fire Engineers should alert and other vehicles should be kept in good working condition. • Materials required for use in emergency should be indented for and kept in reserve • Message received from public on disaster for help should be immediately attended. • Keep in touch with each of the other fire stations in the district.
Executive engineer roads and buildings	• Govt. buildings should be inspected and necessary repairs to be got executed to with standing hazards affected. • Script for slides, pamphlets, and cultural programmers should be got prepared immediately. • Arrangements should be made to obtain poster and films by addressing the Director through the Collectors. • Public addresses equipment should be obtain kept ready. • The community Radio sets available in the coastal villages should be ascertained • The names of Hamlets where they are not available to be reported. • The public should be fully educated regarding the precautionary measures & after cyclone through available media. • Specific duties should be assigned to the field staff. • The field staff should proceed to the place of work allotted and be ready to attend to cyclone duty.
RTO & MVI C.S.O. D.M.(Tel)	• List of vehicles running condition to be requisitioned kept ready. • The MVI/Asst. MVI will report before A.D.M. (Relief) • The Asst. Engineer & Jr. Engineers will remain alert. • Based on the experience on the previous cyclone sufficient no. of trucks should be procured and kept in District head quarters. • To contact all Block Control Room and Collector's Office.

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.

5 .Plan for review and updating: Periodicity

The approved plan is to be implemented by the concerned line department. Each department needs to rain 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 require regular improvement and updating at least once a year. The DDMP, 2019 prepared by the DEOC, Kalahandi 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, Kalahandi 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

2.1.1 HISTORY & LOCATION OF THE DISTRICT:

Kalahandi, (Odia: କଳାହାଣ୍ଡି) a district of Odisha, India, was known as **Mahakantara** (Great Forest) in ancient India. It is also known as **Karunda Mandal**, which means treasure of precious stones like karandam (Manik), Garnet (red stone), Beruz, Neelam (blue stone), and Alexandra etc. Kalahandi was a feudatory of erstwhile Kalinga-Utkala empire of Gajapati rulers of Odisha. Maharaja Pratap Keshari Deo, the Ex-Maharaja of Kalahandi, in one of his articles expressed his view that the historical significance of naming Kalahandi as Karunda Mandala is based on the availability of Corundum in this region.

MaaManikeswari (the goddess of Manikya), the clan deity of the Naga kings of Kalahandi may have also necessitated the adoption of the name.The present District of Kalahandi was a former princely state. After Indian Independence, Kalahandi joined with the Union of India on January 1, 1948, and was subsequently merged with Orissa on November 1, 1949. The former capital of the State of Kalahandi, Junagarh, located 26 kilometers from Bhawanipatna has a well-built fort and a number of temples of Hindu pantheon, with sculptural evidence of the rite of sati. The language spoken by the people of Kalahandi is Sambalpuri-a dilect of Oriya language and with the tribal languages like Koyi, Laria, Kondha, Khaira, Munda, Ho, Mundari &Savara etc.

Caste plays an important role in the socio-economic life of the district. The main castes on the basis of occupation and traditional social divisions are Bairagi, Bangti, Bhulia, Brahmin, Dosi, Gaura, Karan, Kosta, Kshyatria, Kulta, Kurmi, Mali, Paik, Sampuas, Sunari, and Sundhi. The scheduled caste constitutes 17.67 % of the total population. Out of total 36 scheduled castes, the most numerous are Dom, Ganda, Chamar, Ghasi, Dhoba, Mehera, Beldar and Panika.

The population of the scheduled tribes in the district constitutes 28.65 percent of the total population. Of the 46 tribes found in this district, numerically important tribes are Banjara, Bhottada, Bhunjia, Binjhal, Dal, Gond, Kandha, Mirdha, Munda, Paroja and Shabar. These 12 tribes together constitute 96.96 % of the total tribal population in this district. Concentration of scheduled tribes was the highest in Bhawanipatna sub-division and the lowest in Dharamgarh subdivision.

Kalahandi has been in the news since middle of 1980s when India Today reported sale of a child by its parents due to financial crisis. That article led the then Prime Minister Rajiv Gandhi to pay a visit to the district and brought the district to the attention of the national stage for its acute poverty and famine. Subsequently similar reported cases of starvation deaths and

sale of children have led to the announcement of a host of relief efforts and development projects. Prime Minister P. V. Narasimha Rao announced the famous KBK project (Kalahandi-Bolangir-Koraput) in 1994. Nonetheless, Kalahandi has not been able to take off despite of hosts of programmes, largely because of lacuna at implementation stage. As the basic infrastructure is dismal state, the development progress is very slow.

But some development in the recent past has shown some sign of progress. The Indravati Water Project, second biggest in the state has changed the landscape of southern Kalahandi, leading to two-three crops in a year. Because of this, blocks like Bhawanipatna, Jayapatna, Dharamgarhand Junagarh are witnessing rapid agricultural growth. Sterlite Industries, Vedanta , a major aluminium processor have made major investments in the Kalahandi-Koraput range. This project is now a big catalyst for industrial development in the region.

Recent developments:

Kalahandi also is an example of disparity /contrasts that exist in many part of developing/underdeveloped world. On the one side, this district is famous for famine and starvation deaths: this is the same district that boasts of among the Highest Number of Rice Mills in Orissa. The number of rice mills in the district was around 150 in the year 2004-05. More than 70% have been built in the five years after commissioning of the Indravati project. The rice mill business is so lucrative that businessman from adjoining districts and states have invested directly or indirectly. Most of the rice mills purchase paddy from the government allotted villages through panchayat and sell the rice to Food Corporation of India. As many rice mills are competing for paddy, the price paid the farmers has increased in the recent past.

Orissa government has also set up a private medical college with a tie up with one South India based organization in Junagarh block (near Jaring) of Kalahandi. This has the potential of changing the health infrastructure of the adjoining blocks in the locality.

However 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.

2.2 Administrative Setup:

The District Magistrate and Collector is the administrative head of the district. He executes plans, programmes and policies of the government. He is assisted by Additional District Magistrate, Deputy Collector, Sub-Collector, Block Development Officers and Tahasildar. There are also other District Level Officers under the control of their departments, but the Collector being the head of administration exercised supervision over them. Kalahandi District comprises of two sub-divisions viz. Bhawanipatna and Dharamgarh. The Sub-Collector are in charge of the Sub-division. For convenience of revenue administration, the district is divided into 13 tahasils, namely, Dharamgarh, Kalahandi, Kesinga, Madanpur Rampur, Lanjigarh, Thuamul Rampur, Jaipatna, Golamunda, Junagarh, Karlamunda, Narla, Koksara and Kalampur. Each tahasil is in charge of a Tahasildar.

In order to look after the developmental activities there are thirteen CD Blocks in the district. Each CD Block is in charge of a Block Development Officer. The numbers of Gram Panchayats and villages under each CD Block is given below.

Sl. No.	Name of the CD Block	No. of Grampanchayat	No. of Villages	No. of RIC
1	Bhawanipatna	36	289	7
2	Kesinga	26	111	6
3	Madanpur Rampur	19	248	7
4	Narla	26	173	6
5	Karlamunda	12	61	5
6	Lanjigarh	26	483	7
7	Thuamul Rampur	24	268	6
8	Junagarh	34	179	11
9	Dharamgarh	24	86	6
10	Golamunda	28	129	6
11	Jaipatna	22	94	5
12	Koksara	22	74	4
13	Kalampur	11	55	4
	Total	**310**	**2250**	**80**

.No. of Sub-Divisions :	**2**	**No. of Tehsils :**	**13**
No. of Municipalities/Corporation :	**1**	**No. of N.A.Cs :**	**3**
No. of Blocks :	**13**	**No. of Police Stations :**	**17**
No. of Gram Panchayats :	**310**	**No. of Villages:**	**2250**

Sources- RevenueDeptt. Kalahandi

2.3 LOCATION OF BLOCKS:

BLOCKS				
SLNO	**BLOCK NAME**	**NO. OF GP**	**HQ Latitude**	**HQ Longitude**
1	BHAWANIPATNA	33	19° 54' N	83° 10' E
2	KARLAMUNDA	12	20° 05' N	82° 48' E
3	KESINGA	26	20°12´ N	83°14´ E
4	LANJIGARH	21	19°43´ N	83°22´ E
5	MADANPUR-RAMPUR	15	20° 11' N	83° 31' E
6	NARLA	26	20° 03' N	83° 23' E
7	THUAMUL-RAMPUR	16	19° 32' N	82° 56' E
8	DHARAMGARH	21	19°52´ N	82°46´ E
9	GOLAMUNDA	24	20°05´ N	82°45´ E
10	JAIPATNA	18	19°30´ N	82°48´ E
11	JUNAGARH	32	19° 51' N	82° 56' E
12	KALAMPUR	9	19°42´ N	82°53´ E
13	KOKSARA	20	19° 41' N	82° 43' E

2.4 Climate & Rain fall:

The south-west monsoon is the principal source rainfall in the district. Average annual rainfall of the district is 1378.2 mm. About 80 to 85% of the total rainfall is received during the period from june-September. Blockwise average annual rainfall varies from 1111.8 mm to 2712.9 mm. The climate of the district is sub-tropical with hot and dry summer and pleasant winter. The summer season extends from March to middle of June followed by the rainy season from June to September.

Over the years, indiscriminate tree felling and local climate change has resulted a serious negative impact on the normal rainfall of the district. In the last thirty and forty years, the distribution of rainfall has become more erratic and amount of rainfall is continuously declining. This erratic behaviour of monsoon both in terms of time and space has resulted a perennial drought like situation in the district.

a. Average & Actual Rainfall:

Sl. No	Month	Average Rainfall (in mm) IN 2017 (1331.7 mm)	Actual Rainfall (in mm) in -2017 (17312.5 mm)	Average Rainfall (in mm) IN 2018	Actual Rainfall (in mm) in -2018
1	January	0.00	0.00	0.0	0.0

2	February	0.00	0.00	0.0	0.0
3	March	15.52	201.80	0.00	0.00
4	April	2.46	32.00	14.52	188.80
5	May	16.50	214.50	40.12	521.50
6	June	209.64	725.35	106.44	1383.70
7	July	511.85	6654.00	652.15	8447.90
8	August	342.65	4454.51	815.76	10604.87
9	September	208.94	2716.20	231.42	3008.40
10	October	116.66	1516.60	59.88	778.40
11	November	1.16	15.10	0.00	0.00
12	December	0.00	0.00	76.18	990.40
	TOTAL	**1425.38**	**16530.06**	**1996.47**	**25923.97**

b. Rain Recording Stations:

- Total No. of Rain Recording stations in the District .13

Sl. No.	Rain Recording Station	Location	Responsibility	Contact No.
1	Bhawanipatna	Inside the Block Head Quarter Office premises	Head Clerk of the respective Block	06670-230691
2	Kesinga			06670-222003
3	Karlamunda			06676-251035
4	Madanpur Rampur			06676-250301
5	Narla			06677-240145
6	Lanjigarh			06677-245022
7	Th.Rampur			06675-260002
8	Dharamagarh			06672-242212

9	Junagarh			06672-243259
10	Kalampur			06673-258301
11	Jaipatna			06673-250234
12	Koksara			06673-253004
13	Golamunda			06672-246505

2.4 GEOGRAPHICAL LOCATION:

Kalahandi district of *Orissa* encompasses an area 7920 Sq. Km, of which 32 % is covered by forests which is 2,538.01 Sq. Km. It is geographically located between 19° 3' North and 21° 5' North latitude and 82° 30 East and 83° 74' East longitude. Kalahandi occupies the southwestern portion of Orissa, bordered to the north by the Districts of Balangir and Nuapada, to the south by the District of Rayagada, to the west by the Districts of Nabarangpur and Raipur (Chhatisgarh) and to the east by the Districts of Rayagada and Boudh. It has an area of 7920 square kilometers and ranks 7th in area among the 30 districts of Orissa. The District Headquarters is at Bhawanipatna Town which stands almost to the eastern border.

The District is primarily agricultural, with over half the district area covered with dense jungle forest. Industry is very limited, but bauxite and graphite deposits have been commercially exploited.

Soil Type			
1	Soil Type	App. Area in Hect.	Crops Grown
2	Red Soil	121371	Paddy, pulses, vegetables & Oil Seeds
3	Red Yellow	11510	Paddy, pulses, vegetables,
4	Black Soil	5337	Paddy, cotton, Miilets,
5	Forest Soil	1978503	Paddy, Nizer, Millets, pulses, Plantgation vegetables & Oil Seeds

2.6 Topography:

Topographically the entire district is divided into three parts i.e. plateau area, valley area, plain area and hilly areas. The majority of the plateau and valley areas are coming under the Karlapat Wildlife reserve forest. Further Thuamul Rampur Block comes under hilly areas category. The plain area of the district is somewhat undulating. Majority of the land mass belongs to high land which is prone to soil erosion and other degradation processes. Six main rivers are flowing across the district, namely Indravati, Tel, Hati, Uttei, Udanti and Ret. During the months of heavy rainfall all the rivers are in spate and cause flash flood and flood like situation in the adjoining areas, though the district is mostly dry and prone to recurrent drought.

2.7 River System:

The asymmetrical patterns of drainage system strongly reflect the character of relief and the climate differences. The Tel, Indravati and Jonk, which from tributaries of large rivers like the Mahanadi and Godavari, may be mentioned among the principal rivers of Kalahandi. Besides, the Tel receives a large number of effluents in the district. The scenery along the banks of these streams during their course through the hills specially on the Indravati and Raul, feeder of the Tel, is exceedingly fine and varies from wild raging torrents sweeping over bare rocks, to placid stretches of deep pools with the stream swirling in the eddies between rich meadow land, verdant with grass and banks overhung with willows. Most of the hill streams of the district are perennial. The rivers in the open country seldom carry a large flow of water in the hot weather.

The Tel, Sagada, Hati, Ret,Sandul, and Uttei are mostly reduced to tiny streams in their lower reaches from February to June. On the other hand, the Raul throughout its whode length, most of which lies inside the forest, holds a fair flow of water even in the month of May. The Sagada, Ret, Indravati, Bada Nala and many others carry a strong stream of perennial water in the upper and middle reaches and only lose it in their sandy beds when they descend to the plains. Tel is the longest and most important river in the district, rising in the hills of Nabarangpur and entering Kalahandi district, a few kilometers west of Dharamgarh flowing through an alluvial tract. The important feeders on its right bank are the Motel, Hati, Sagada, Ret, Bulat and Raul. The Raul rising in the hills of Kandhamal district flows through the mountain tracts in the north-eastern part of Kalahandi district, enters Bolangir near Sikerkupa and joins the Tel a few kilometers from the borders of Kalahandi. It receives most of the drainage of Madanpur-Rampur area. The Uttei reses on the same hills and receives a few feeder in the fertile tract of M. Rampur area and joins the Tel on the border of Bolangir-Kalahandi district near Belkhandi. It drains the wide plain between M. Rampur and Narla.

The Hati, a large tributary of the Tel, rises in the high hill ranges of Jaipatna and joins the Tel about 12 kms. North of Junagarh. The Bulat rises at the southern end of Gundi Dangar about 12 kms. South of Bhawanipatna and flows past the town in a northwestern direction under the name of PipalNala before it turns northwards to join the Tel near Karlapada. Indravati is the largest river system of this area, which supplies water to most parts of Jaipatna, Junagarh, Koksara, Thuamul Rampur, Dharamgarh and Kalampur Blocks for irrigation purpose. Tanks are found in almost every village. They are generally classified as Kata, Sagar, Bandh and Sara. The tanks are chiefly used for bathing, drinking, pisciculture and irrigation purposes. Phurlijharan, one of the most perennial waterfalls, about 15 kms. from the Bhawanipatna township area, is the most attractive place and picnic spot for the tourists.

2.8 Demography:

An official Census 2011 detail of Kalahandi (Kalahani), a district of Orissa has been released by Directorate of Census Operations in Orissa. Enumeration of key persons was also done by census officials in Kalahandi District of Orissa.In 2011, Kalahandi had population of 1,576,869 of which male and female were 787,101 and 789,768 respectively. In 2001 census, Kalahandi had a population of 1,335,494 of which males were 667,526 and remaining 667,968 were females.There was change of 18.07 percent in the population compared to population as per 2001. In the previous census of India 2001, Kalahandi District recorded increase of 18.09 percent to its population compared to 1991.

Out of the total Kalahandi population for 2011 census, 7.74 percent lives in urban regions of district. In total 121,987 people lives in urban areas of which males are 62,455 and females are 59,532. Sex Ratio in urban region of Kalahandi district is 953 as per 2011 census data. Similarly child sex ratio in Kalahandi district was 922 in 2011 census. Child population (0-6) in urban region was 13,807 of which males and females were 7,183 and 6,624. This child population figure of Kalahandi district is 11.50 % of total urban population. Average literacy rate in Kalahandi district as per census 2011 is 81.60 % of which males and females are 88.38 % and 74.52 % literates respectively. In actual number 88,274 people are literate in urban region of which males and females are 48,847 and 39,427 respectively.

As per 2011 census, 92.26 % population of Kalahandi districts lives in rural areas of villages. The total Kalahandi district population living in rural areas is 1,454,882 of which males and females are 724,646 and 730,236 respectively. In rural areas of Kalahandi district, sex ratio is 1008 females per 1000 males. If child sex ratio data of Kalahandi district is considered, figure is 959 girls per 1000 boys. Child population in the age 0-6 is 208,763 in rural areas of which males were 106,543 and females were 102,220. The child population comprises 14.70 % of total rural population of Kalahandi district. Literacy rate in rural areas of Kalahandi district is 57.28 % as per census data 2011. Gender wise, male and female literacy stood at 70.43 and 44.34 percent respectively. In total, 713,762 people were literate of which males and females were 435,330 and 278,432 respectively.

The initial provisional data released by census India 2011, shows that density of Kalahandi district for 2011 is 199 people per sq. km. In 2001, Kalahandi district density was at 169 people per sq. km. Kalahandi district administers 7,920 square kilometers of areas.

Average literacy rate of Kalahandi in 2011 were 59.22 compared to 45.94 of 2001. If things are looked out at gender wise, male and female literacy were 71.90 and 46.68 respectively. For 2001 census, same figures stood at 62.66 and 29.28 in Kalahandi District. Total literate in Kalahandi District were 802,036 of which male and female were 484,177 and 317,859 respectively. In 2001, Kalahandi District had 513,383 in its district.

With regards to Sex Ratio in Kalahandi, it stood at 1003 per 1000 male compared to 2001 census figure of 1001. The average national sex ratio in India is 940 as per latest reports of Census 2011 Directorate. In 2011 census, child sex ratio is 957 girls per 1000 boys compared to figure of 984 girls per 1000 boys of 2001 census data.

In 2011, total 309 families live on footpath or without any roof cover in Kalahandi district of Orissa. Total Population of all who lived without roof at the time of Census 2011 numbers to 1,137. This approx 0.07% of total population of Kalahandi district.

GeographicalArea,House holds and Number of CensusVillages
Indifferent Blocks and Urban areas of Kalahandi district (2011Census)

Sl. No.	Year / Block/ ULB	Geographical area inSq.Km. 2011Census	Numberof House-holds	Number of villages		
				Inhabited	Un-inhabited	Total
1	2	3	4	5	6	7

2011	7920	401251	2116	137	2253
2011BLOCK					
1Bhawanipatna	629.24	42207	271	12	283
2Dharamgarh	377.90	36048	78	1	79
3Golamunda	428.26	33998	129	1	130
4Jaipatna	405.12	32748	92	1	93
5Junagarh	509.20	43834	164	7	171
6Kalampur	155.95	15802	55	0	55
7Karlamunda	195.10	15906	60	2	62
8Kesinga	377.98	30618	101	5	106
9Koksara	357.15	31238	71	1	72
10Langigarh	660.59	22283	425	58	483
11M. Rampur	309.62	21108	228	20	248
12Narla	442.19	32277	167	6	173
13Th. Rampur	338.86	18773	275	23	298
URBAN					
1Bhawanipatna(M)	15.40	15599	-	-	0
2Junagarh(NAC)	15.54	4541	-	-	0
3Kesinga (NAC)	14.50	4271	-	-	0

2.8.1 Households and its distribution:

Sl. No	Total Number of Families/HH	Category		Category			Category	
		Rural	Urban	SC	ST	Others	BPL	APL
	4,04,814	**373,304**	**27,947**	71391	112518	220905	**193,054**	211760

2.8.2 Population and its composition:

Sl. No	Population			SC		ST		OTHERS	
	T	M	F	M	F	M	F	M	F
	15,76,869	7,86,101	7,89,786	1,42,133	1,41,447	2,21,171	2,28,285	422797	474663

(In Number)

Sl. No.	Year / Block/ ULB	Total Population			SC Population		
		Males	Females	Total	Males	Females	Total
1	2	3	4	5	6	7	8
	2011	787101	789768	1576869	142133	144447	286580
	2011BLOCK						
1	Bhawanipatna	85252	85275	170527	17456	17255	34711
2	Dharamgarh	69994	69365	139359	12638	12769	25407
3	Golamunda	64917	64582	129499	11141	11339	22480
4	Jaypatna	64673	66051	130724	10235	10686	20921
5	Junagarh	86606	87054	173660	14743	14842	29585
6	Kalampur	29531	30544	60075	4841	4937	9778
7	Karlamunda	28975	28443	57418	4831	4855	9686
8	Kesinga	58245	57583	115828	9548	9530	19078
9	Koksara	58953	60351	119304	9665	9890	19555
10	Lanjigarh	45887	47292	93179	10802	11344	22146
11	M. Rampur	40075	40449	80524	5522	5620	11142
12	Narla	60695	60297	120992	11426	11537	22963
13	Th. Rampur	38113	39727	77840	9731	10011	19742
	URBAN						
1	Bhawanipatna(M)	35506	33539	69045	6361	6528	12889
2	Junagarh (NAC)	9835	9821	19656	1353	1482	2835

2.8.3 Population density of the district and decadal growth of population-

The initial provisional data released by census India 2011, shows that density of Kalahandi district for 2011 is 199 people per sq. km. In 2001, Kalahandi district density was at 169 people per sq. km. Kalahandi district administers 7,920 square kilometers of areas. The decadal growth of population is 18.1 as per 2011 census.

2.8.4 Religion wise distribution of Population:

Sl. No.	Total Population	Category				
		Hindu	Muslim	Christian	Sikh	Others
1	1576869	1555367	4975	11160	796	4571

2.8.5 Age Group

Sl. No.	Total Population	0-6 years	7-14 years	15-59 years	60 years and above
	1576869	222570	325529	977129	51641

2.8.6 Sex Ratio:

1	Sex Ratio (Females per 1000 males):	1003
2	Sex Ration(0-6 Years):	957

2.8.7 Literacy Rate:

Literacy Rate	Total	Male	Female
	59.2	71.9	46.7

2.9 Socio-Economic profile:

The recurrent famine, epidemic, perpetual migration and other forms of afflictions left the district with a slow rate of population growth. The district had bad start during the first years of 1921-31, when death rate exceeds birth rate; still the growth rate in the district is very low (in 1981-91 the decadal growth rate was 18.88 percent and 1991-2001 it was 17.99 percent). As per 2011 census the decadal growth is 18.1.

Religion: in 1991 out of the total population of the district, which was 1,600.385 the Hindus were in great majority, the total number being 1,586,846 (99.15%) followed by Muslim 5,919 (0.37%), and Christian 5,052 (0.32%). The preponderance of the followers of Hinduism is so high that it occupies the sixth place among the districts of India and second in the state of Orissa. Strictly speaking, all tribes practice their own religious faith with some ritual they adopted from Hinduism. In the Census enumeration they are simply included in the Hindu religion because of proximity. Indeed, almost all the major religions some sects, cults and other form of socio-religious organization are present there. Among them the Arya Samaj, Mahima Dharma, Saivism, Saktism, Jaiguru, are well known.

A general discussion on traditional social structure, customs and religious beliefs of some of the castes/ communities are given below. Like elsewhere in India, caste plays a very significant role in the socio-economic life of Kalahandi. Numerous castes and sub-castes subsist in Kalahandi. The original inhabitants of this area were the Kondh, Binjhal, Saora and Gond tribs. They are called the *'khuntcatas'* (literally, 'clearer of tree stumps'). Today, these people are the poorest in the area and the region's prosperous agricultural communities are the Kultha, Agharia and Kurmi castes and the Brahmins. Their influx began in the late eighteenth century and peaked in the nixt 100 years. In spite of their small number Brahmins dominate society. The primordial social practice and world view like pollution and purity, caste based social status, wealth and modern hold the most fertile land in Kalahandi. Most tribal were by then tenants with small holding in poor land, or were landless.

According to oral tradition they are not indigenous people of Kalahandi who, most likely, came from costal Orissa. They are also engaged in priestly occupation. The entire community use sacred thread and observe Upanayan. One more priestly community called Bairagi or Dosi are also found in the district. Through they have well de find social status, their economic condition is precarious. They perform religious rituals during marriage, death and other socio-cultural activities. They put on sacred thread; with singing Bhajan they beg from door to door and perform puja. They persuade the innocent people to believe the age old superstitions and taboos to keep them in eternal darkness.

2.9.1 Workforce participation-

Labour force participation rate is defined as the section of working population in the age group of 16-64 in the economy currently employed or seeking employment. People who are still undergoing studies, housewives and persons above the age of 64 are not reckoned in the labour force.

Total Workers

	Total	Rural	Urban
Persons	620518	381460	239058
Males	589372	355578	233794
Females	31146	25882	5264

2.9.2 Workforce participation rate- Male/Female

(InNumber)

Sl. No.	Year / Blocks / Urban	TotalWorkers.			Main workers.		
		Males	Females	Total	Males	Females	Total
1	2	3	4	5	6	7	8

2011	447290	304640	751930	299835	76922	376757
2011BLOCK						
1Bhawanipatna	48340	32697	81037	32152	8511	40663
2Dharamgarh	41256	29569	70825	27958	6934	34892
3Golamunda	37417	26065	63482	21090	4690	25780
4Jaypatna	38112	28258	66370	26572	7683	34255
5Junagarh	49556	34085	83641	34435	9764	44199
6Kalampur	17748	13725	31473	14029	5786	19815
7Karlamunda	16831	10690	27521	9555	1421	10976
8Kesinga	33170	18793	51963	22850	4289	27139
9Koksara	34641	27036	61677	22832	5574	28406
10Lanjigarh	24226	19965	44191	13356	4275	17631
11M. Rampur	22191	15388	37579	14917	3053	17970
12Narla	34553	22066	56619	24042	5745	29787
13Th. Rampur	19621	17966	37587	9729	3582	13311
URBAN						
1Bhawanipatna(M)	18666	5039	23705	16468	3575	20043
2Junagarh(NAC)	5573	1848	7421	4958	1123	6081
3Kesinga (NAC)	5389	1450	6839	4892	917	5809

% Total Workers

	Total	Rural	Urban
Persons	46.5	47.8	31.1
Males	57.2	57.8	49.8
Females	35.8	37.8	10.9

% Main Workers

	Total	Rural	Urban
Persons	28.6	28.7	27.5
Males	47.0	47.0	46.1
Females	10.2	10.4	7.5

% Marginal Workers

	Total	Rural	Urban
Persons	17.9	19.1	3.6
Males	10.2	10.8	3.7
Females	25.6	27.4	3.4

% Non-Workers

	Total	Rural	Urban
Persons	53.5	52.2	68.9
Males	42.8	42.2	50.2
Females	64.2	62.2	89.1

% Cultivators

	Total	Rural	Urban
Persons	29.7	31.0	3.9
Males	38.9	41.5	4.4
Females	14.9	15.2	1.5

Agricultural Labourers

	Total	Rural	Urban
Persons	50.3	52.5	8.8
Males	36.5	38.7	6.1
Females	72.4	73.5	21.9

HHI Workers

	Total	Rural	Urban
Persons	2.9	2.9	2.1
Males	2.5	2.5	1.8
Females	3.5	3.5	3.9

Other Workers

	Total	Rural	Urban
Persons	17.1	13.5	85.2

Males	22.1	17.3	87.7
Females	9.2	7.8	72.7

% Workers in agricultural sector

	Total	Rural	Urban
Persons	80.0	83.6	12.7
Males	75.4	80.2	10.6
Females	87.3	88.7	23.4

% Workers in non agricultural sector

	Total	Rural	Urban
Persons	20.0	16.4	87.3
Males	24.6	19.8	89.4
Females	12.7	11.3	76.6

2.9.3 Land Holding Pattern

Sl. No	Name of the Block	Grazing land	ForestLand (ha)	Misc. tree crops & Groves	Barren & uncultivable land	Cultivable wastes	Non Agricultural wastes
1	Bhawanipatna	3495	4617	269	1218	1489	5746
2	Dharamgarh	1424	4	59	1328	260	4602
3	Golamunda	2229	1731	101	1337	3085	3383
4	Jaipatna	2016	1682	80	991	1425	3724
5	Junagarh	3126	2557	146	247	3712	5088
6	Kalampur	376	66	23	145	62	2248
7	Karlamunda	659	371	21	546	663	2019
8	Kesinga	906	16	59	1002	561	3035
9	Koksara	1299	1228	137	1725	5301	3211
10	Lanjigarh	1962	21870	146	12899	5376	2468
11	M.Rampur	1794	7187	95	12992	3090	2277
12	Narla	2597	1182	957	1034	856	5203
13	Th.Rampur	1414	6061	40	46509	5376	3959
	URBAN	251	12	6	150	400	1487

2.9.4 Agriculture and Irrigation

Crops/Cropping Pattern:

	Kharif	Pre Rabi	**Rabi**	**Summer**
Up land (Att)	Rice, Millets, Arhar, B. gram, G.gram, Ground nut, Sesamum	Horse gram, Niger, Black gram	Ground nut, Sun Flower	-------
Medium land (Berna)	Rice	Lathyrus, Bengal gram	-------	Onion and Other vegetables
Low land (Bahal)	Rice	-------	Lathyrus, Jhain Mung, Bengal gram	Onion and Other vegetables

LIfT IRRIGATION PROJECTS:

Sl. No.	Name of Block	No. of Existing L.I.Projects		No. of Permanent Defunct L.I.Projects		No. of Temp. Defunct L.I.Projects		Total Defunct L.I.Projects		No. of L.I.Projects Programmed		Remarks
		No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Bhawanipatna	147	3428	10	260	40	892	50	1152	97	2276	
2	Kesinga	117	2726	7	160	35	812	42	972	75	1754	
3	Lanjigarh	81	1780	9	200	26	570	35	770	46	1010	**2 Nos. ayacut 64 Hc. to be energised in 05/19**
4	Th.Rampur	14	280	8	160	3	60	11	220	3	60	
	TOTAL :	**359**	**8214**	**34**	**780**	**104**	**2334**	**138**	**3114**	**221**	**5100**	
5	M.Rampur	152	3800	4	100	41	1056	45	1156	107	2644	**2 Nos. ayacut 44 Hc. to be energised in 05/19**
6	Narla	130	3296	2	40	36	984	38	1024	92	2272	**1 No. ayacut 24 Hc. to be energised in 05/19**
7	Karlamunda	102	2448	0	0	30	732	30	732	72	1716	**1 No. ayacut 24 Hc. to be energised in 05/19**
	TOTAL :	**384**	**9544**	**6**	**140**	**107**	**2772**	**113**	**2912**	**271**	**6632**	

8	Dharamgarh	56	1364	6	120	15	320	21	440	35	924	
9	Golamunda	112	2370	4	80	24	418	28	498	84	1872	
10	Koksara	67	1508	0	0	8	240	8	240	59	1268	
11	Junagarh	136	2932	8	160	14	304	22	464	114	2468	
12	Jaipatna	37	1040	3	60	3	80	6	140	31	900	
13	Kalampur	20	420	6	120	3	60	9	180	11	240	2 Nos. ayacut 48 Hc. to be energised in 05/19
	TOTAL :	**428**	**9634**	**27**	**540**	**67**	**1422**	**94**	**1962**	**334**	**7672**	
	G.TOTAL :	**1171**	**27392**	**67**	**1460**	**278**	**6528**	**345**	**7988**	**826**	**19404**	

MINOR IRRIGATION PROJECTS

No of MIPs	Name of the Block	Designed Ayacut in Ha.		Canal length in Mtr.	
		Khariff	Rabi	Left Canal	Right Canal
1	2	3	4	**5**	**6**
26	BHAWANIPATNA	3586	720	30090	19240
10	DHARMAGARH	723	25	3101	-
19	GOLAMUNDA	2715	571	9285	60705
6	JAIPATNA	714	52	11860	1200
20	JUNAGARH	1114	20	-	5655
1	KALAMPUR	202	-	-	500
3	KARLAMUNDA	161	-	1250	2940
17	KESINGA	4839	1443	90574	14290
21	KOKOSARA	4402	824	26213	33826
13	LANJIGARH	2824	409	43910	31106
10	MADANPUR RAMPUR	1322	206	24070	5850
16	NARLA	5022	517	105820	11860
11	THUAMUL RAMPUR	876	40	3235	4305

173	**Total**	**28500**	**4827**	**349408**	**191477**

2.9.5 Consumption of Fertilizer

Sl.	Crop	Net Sown Area	Production (in Qtls.)	Consumption of Seeds (in Qtls.)	Consumption of Fertilizers (in Qtls.)	Consumption of Pesticides (in Qtls.)	Requirement of Loans (Rs. in Lakh)
1	Paddy (K)	195923	6935674	**21422 (Dept.)+56947(Farmer)**	**553950.7 (K) + 305910 (R)**	**3000 (K) + 2400 (R)**	**1135528.45**
2	Paddy (R)	61795	3089750	**1310(Dept.)+ 23348(Farmer)**			
3	Wheat	46	644	0 (Dept.) + 27.6 (Farmer)			
4	Maize (K)	**10860**	390960	850 (Pvt.) + 779 (Farmer)			
	Maize (R)	599	31507	89.85 (Pvt.)			
5	Bajra (K)	2	14	0.30 (Farmer)			
6	Ragi (K)	781	7739	78.1 (Farmer)			
8	Millets (K)	993	6255	99.3 (Farmer)			
9	Pulses (K)	80743	664514	200 (Dept.) + 15948 (Farmer)			
10	Pulses (R)	114038	**748089**	1240 (Dept.) + 21527 (Farmer)			
11	Oil Seeds (K)	**15979**	123680	214(Dept.) + 10095 (Farmer)			
12	Oil Seeds (R)	23017	2589410	514 (Dept.) + 13224 (Farmer)			
13	Vegetables (K)	**27042**	4594690	135.21 (Pvt.)			
14	Vegetables (R)	14223	3074210	71.11 (Pvt.)			
15	Other Cash crops (Spices) (K)	**2001**	430500	500.25 (Pvt.)			
16	Other Cash crops (Spices) (R)	1101	214360	275.11 (Pvt.)			

17	Sugarcane (Gur)	1449	1391040	144900 (Farmer)			

2.9.5.1 Fertilizer wise consumption in MT

Sl. No	Name of fertilizer	Consumption in MT		Nutrient wise consumption in MT		
		2017	2018	Nutrient	2017	2018
1	Urea	31172.2	24589.32	N	18333	16056.97
2	A/S	0	0	P	6745	7742.82
3	SSP	0	77			
4	MOP	6525.6	5601.3	K	4080	3505.04
5	DAP	8945.75	9247			
6	10:26:26	0	0	Total	**29158**	**27304.83**
7	28:28:0	0	329.5			
8	14:35:14	1177	1883	**Kg / Ha.**	**76.00**	**71.15**
9	16:16:16	0	201.6	**Ratio of NPK**	**4.49:1.65:1**	**4.58:2.20:1**
10	15:15:15	0	0			
11	12:32:16	0	0			
12	20:20:00:13	11091.72	13466.35			
13	DAP Lite	0	0			
	Total	**58912.27**	**55395.07**			

Agriculture:					
Sl. No.	Name of the Block	Total Area (in Hectares.)	Cultivable Area	Net Sown Area	Irrigated Area
1	Bhawanipatna	142959	49575	49000	14606
2	Kesinga	42120	31571	29530	15324
3	Th.Rampur	72400	17239	17047	3598
4	Narla	49088	31855	31620	12756
5	M.Rampur	65206	22873	22387	9239
6	Karlamunda	21669	14880	14830	12311
7	Lanigarh	121681	23756	22655	6626
8	Dh.garh	41826	33868	33800	25593
9	Koksara	42323	37883	37670	9862
10	Golamunda	70226	41452	40800	17038
11	Junagarh	67245	41745	40560	39560
12	Jaipatna	38630	29749	29322	18310
13	Kalampur	16627	14554	14500	11859
	G.Total	792000	391000	383721	196682

2.9.6 Agriculture allied Sectors

Block-wise LandUtilisation Pattern in Kalahandi district

(Areainhect.)

Sl. No	Year / Block/ ULB	Forest	Land putto Non-Agrl. use	Barren &Non-Cultivable land	Permanent Pastures& other grazingland	Land under misc.tree,crop &grovesnotinc luded Netareasown
1	2	3	4	5	6	7
1	Bhawanipatna	15463	5876	935	2579	491
2	Dharamgarh	124	3902	639	2630	126
3	Golamunda	2491	4151	200	1871	82
4	Jayapatna	393	4254	1006	2287	50
5	Junagarh	3832	3890	2117	2795	482
6	Kalampur	495	1754	20	835	22
7	Karlamunda	637	1532	228	978	1
8	Kesinga	543	5015	288	1848	95
9	Kokasara	833	2793	190	1335	136
10	Lanjigarh	30667	3110	747	3227	180
11	Madanpur-Rampur	4127	2984	15699	2405	167
12	Narla	1537	2929	345	1264	126
13	Thuamul-Rampur	40035	2452	12010	756	194
	URBAN	-	1725	115	252	2

Note: The estimate excludes Urban area, Reserve Forests, Protected forestsarea, Project area, HillBlocks, Villages submerged under riverandsea.

Fishery

FISHERMEN COMMUNITY & FISH FARM						
Sl. No.	Name of the Block	Households	Population	No. of Fish farm	No. of Boats/Dugout canoe etc.	Remarks
1	Kesinga	135	673	0	14	Country crafts
2	Narla	162	809	0	60	Country crafts
3	Karlamunda	62	307	0	0	
4	M. Rampur	22	111	2	2	Country crafts
5	Bhawanipatna	81	417	1	4	Country crafts
6	Lanjigarh	70	349	1	20	Country crafts

7	Junagarh	163	817	3	6	Country crafts
8	Th. Rampur	452	2086	0	205	Country crafts
9	Kalampur	34	170	0	0	
10	Jaipatna	75	374	1	0	
11	Dharmagarh	43	216	1	15	Country crafts
12	Koksara	80	380	1	1	Country crafts
13	Golamunda	108	539	1	5	Country crafts
	Total	1487	7248	11	332	

FISH FARMS

Sl No.	Name of the Block	No. of Fish farms	Area in Ha.	No. of farmers involved
1	Kesinga	0	0.00	0
2	Narla	0	0.00	0
3	Karlamunda	0	0.00	0
4	M. Rampur	2	5.00	10
5	Bhawanipatna	1	1.60	5
6	Lanjigarh	1	1.00	5
7	Junagarh	3	7.00	20
8	Th. Rampur	0	0.00	0
9	Kalampur	0	0.00	0
10	Jaipatna	1	10.00	15
11	Dharmagarh	1	1.20	3
12	Koksara	1	1.20	5
13	Golamunda	1	1.80	8
	Total	11	28.80	71

Production of Fish in different Blocks of Kalahandi District

Sl. No.	Block	Production of Fish (in MT)			
		Fresh Water	Brackish water	Marine	Total
1	Bhawanipatna	1745.45	0	0	1745.45
2	Kesinga	1777.98	0	0	1777.98
3	Narla	2181.00	0	0	2181.00
4	M Rampur	2096.40	0	0	2096.40
5	Karlamunda	2271.10	0	0	2271.10
6	Lanjigarh	1853.30	0	0	1853.30
7	Th Rampur	1388.10	0	0	1388.10
8	Dharmagarh	2010.30	0	0	2010.30
9	Junagarh	2006.30	0	0	2006.30
10	Koksara	2033.00	0	0	2033.00

11	Jaipatna	2646.20	0	0	2646.20
12	Golamunda	1636.70	0	0	1636.70
13	Kalampur	1775.00	0	0	1775.00
	TOTAL	25420.83	0	0	25420.83

Horticulture

In the district, 1785 farmers have taken 1481 ha. Horticulture plantation for both household's consummation and business purposes.

2.9.7 Employment and livelihood

Agriculture is the mainstay of livelihood of the district. People of the district adopt various economic activities to sustain their life and livelihood. In Kalahandi 155891 persons were engaged as cultivators, 536937 people as agricultural labourers and 227620 person as wage labourer besides, 18443 person engaged in HouseHold industry.

2.9.8 Industries and mining

Table No.1.22 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	Bhawanipatna	0	0	324	1123	321	321	1	1876	1	12
2	Kesinga	2	34	345	2122	223	223	1	346	0	0
3	Lanjigarh	1	25	456	3123	45	45	1	2371	0	0
4	Th.Rampur	1	76	432	1124	234	234	1	1234	0	0
5	M.Rampur	1	66	312	543	112	112	1	1165	0	0
6	Narla	0	0	115	546	114	114	1	345	0	0
7	Karlamunda	1	223	326	876	134	134	1	644	0	0
8	Dharamgarh	0	0	364	1124	355	355	1	523	0	0
9	Golamunda	0	0	312	1121	33	33	1	178	0	0
10	Koksara	0	0	332	1054	165	165	1	1896	0	0
11	Junagarh	0	0	363	1109	287	287	1	213	1	20
12	Jaipatna	1	2345	331	1964	267	267	1	189	0	0
13	Kalampur	1	336	432	2105	176	176	1	113	0	0
Total		8	3105	4444	17934	2466	2466	13	11093	**2**	**32**

C-Promotion of cottage industries during the year

Category	No. Available	Employment generated	Appx. Investment in Lakh
Wood Crafts	50	100	25
Bamboo craft	48	96	24
Terraacotta	80	160	40
Stone craft	10	20	10
Jute industry	30	60	15
Leaf plate	15	60	15
Bakery	10	30	40
Total	**243**	**526**	**169 lakh**

2.9.9 Education

Sl. No.	Name of the Block	Total No. of Children Enrolled	No. of Children Dropped Out	No. of Children Never Enrolled
1	BHAWANIPATNA	25843	24	35
2	DHARAMGARH	20013	29	127
3	GOLAMUNDA	20425	20	40
4	JAIPATNA	17933	138	120
5	JUNAGARH	26221	52	102
6	KALAMPUR	8468	26	28
7	KARLAMUNDA	7681	0	27
8	KESINGA	16821	20	78
9	KOKSARA	15282	60	84
10	LANJIGARH	15398	167	314
11	M.RAMPUR	14623	29	57
12	NARLA	19235	37	102
13	TH RAMPUR	13970	308	309
14	BHAWANIPATNA MP	10319	8	43
15	JUNAGARH NAC	4120	4	18
16	KESINGA NAC	3014	1	16
17	DHARAMGARH NAC (U)	3164	0	7
TOTAL		**242530**	**923**	**1507**

2.9.10 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	Any Other
1	Borda	Kalahandi District : 40	Kalahandi District: 180	98	96	
2	Dharmagarh			94	96	
3	Golamunda			79	100	
4	Jaipatna			82	94	
5	Junagarh			80	98	
6	Kalampur			95	97	
7	Karlamunda			98	100	
8	Kesinga (Pastikudi)			98	102	
9	Koksara			98	89	
10	Lanjigarh			67	94	
11	M. Rampur			78	88	
12	Narla			94	88	
13	Th. Rampur			55	92	
	District Average			**89**	**95**	

2.3- Human Resource Availability:

Sl. No.	Block	No. of Doctors	No. of Paramedical Staffs	No. of ANMs (Out of Other Para Medical Staff)	No. ASHAs	Others
1	Borda (Bhawanipatna)	40	187	56	Borda-197, Urban-74	
2	Dharmagarh	18	75	33	177	
3	Golamunda	6	64	30	144	
4	Jaipatna	5	58	32	140	
5	Junagarh	9	89	36	195	
6	Kalampur	5	27	37	68	
7	Karlamunda	6	39	31	55	
8	Kesinga (Pastikudi)	12	74	31	154	
9	Koksara	8	55	26	130	
10	Lanjigarh	7	74	41	168	
11	M. Rampur	7	56	27	99	
12	Narla	8	67	35	135	
13	Th. Rampur	3	55	32	185	
Total		**133**	**920**	**447**	**1921**	

- Health Infrastructure:

Sl. No.	Block	No. of Health Sub Centers	No. of PHCs	No. of CHCs	No. of Homeopathic/ Ayurevedic Hospitals	No. of Sub Divisional Hospitals	No. of District/ Private Hospitals	No. of MHUs/ MHT	No. of Ambulances	Blood Banks
1	Borda (Bhawanipatna)	26	5	1	0	0	1	MHU-1 MHT-2	Govt-4, 108-4, 102-2	1
2	Dharmagarh	20	4	1	0	1	0	MHU-1 MHT-2	Govt-2, 108-2, 102-2	1
3	Golamunda	20	4	1	0	0	0	MHU-1 MHT-2	Govt-1, 108-1, 102-1	
4	Jaipatna	22	4	1	0	0	0	MHU-1 MHT-2	Govt-1, 108-1, 102-1	
5	Junagarh	25	5	2	0	0	0	MHU-1 MHT-2	Govt-1, 108-1, 102-1	Blood Storage Unit-1
6	Kalampur	9	1	1	0	0	0	MHU-1 MHT-2	Govt-0, 108-1, 102-1	
7	Karlamunda	10	3	1	0	0	0	MHU-1 MHT-2	Govt-0, 108-1, 102-1	
8	Kesinga (Pastikudi)	17	3	2	0	0	0	MHU-1 MHT-2	Govt-1, 108-2, 102-2	Blood Storage Unit-1
9	Koksara	19	3	1	0	0	0	MHU-1 MHT-2	Govt-1, 108-2, 102-1	
10	Lanjigarh	24	3	2	0	0	0	MHU-2 MHT-2	Govt-0, 108-1, 102-2	
11	M. Rampur	12	4	1	0	0	0	MHU-1 MHT-2	Govt-1, 108-2, 102-1	
12	Narla	19	4	1	0	0	0	MHU-0	Govt-0,	

								MHT -2	108-2, 102-1	
13	Th. Rampur	18	2	1	0	0	0	MH U-1 MHT -3	Govt-1, 108-1, 102-1	
	Total	**241**	**45**	**16**	**0**	**1**	**1**	**MH U-13 MH T-27**	**Govt-13, 108-21, 102-17**	**Blood Bank-2, Storage Unit-2**

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	146321	14
2	Jaundice	435	0
3	Pneumonia	2735	142
4	Diarrhoea	15576	38
5	TB	7949	418

2.9.11 Housing

The district has 383228 households as per Census, 2011. From the total household 203265 households have Kachha houses, 153859 households have Semi-Pacca houses, 22394 households have Pacca houses and 2542 householdwith semi kuchha household.

2.9.12 Electrification

VILLAGE Electrification status under KEED,Bhawanipatna

SL No	Name of the Block	Village Electrification				House hold Electrification		
		Total nos of villages	Nos of villages fully Electrified	Nos of villages partially Electrified	Nos of UN electrified villages	Total nos of HHS	Nos of HHS Electrified	Nos of HHS Un Electrified
1	Bhawanipatna	264	204	56	4	39883	28576	11307
2	Karlamunda	60	56	4	0	13201	12647	554
3	Kesinga	102	99	3	0	23690	21879	1811
4	Lanjigarh	420	309	85	26	20432	16357	4075
5	M.Rampur	227	197	16	14	25685	21770	3915
6	Narla	164	150	14	0	19433	17687	1746
7	Golamunada	14	13	1	0	2324	2206	118
8	Junagarh	4	3	1	0	92	58	34
	Total	**1255**	**1031**	**180**	**44**	**144740**	**121180**	**23560**

2.9.13 Electrification status of KWED, Bhawanipatna.

SL No	Name of the Block	Village Electrification				House hold Electrifiaction		
		Total nos of villages	Nos of villages fully Electrified	Nos of villages partially Electrified	Nos of UN electrified villages	Total nos of HHS	Nos of HHS Electrified	Nos of HHS Un Electrified
1	Bhawanipatna	5	5	0	0	346	346	0
2	Dharamgarh	77	77	0	0	26899	26899	0
3	Golamunda	115	115	0	0	25068	25068	0
4	Jayapatna	93	93	0	0	26459	26459	0
5	Junagarh	160	160	0	0	35256	35256	0
6	Kalampur	55	55	0	0	12474	12474	0
7	Koksara	71	71	0	0	24933	24933	0
8	Th Rampur	281	281	0	0	16703	16703	0
	Total	**857**	**857**	**0**	**0**	**168138**	**168138**	**0**

2.9.14 Table No. 10 :Electrical Infrastructure in the Flood Prone Area under KEED,Bhpt.

Sl. No.	Name of the Block/ ULB	No. of 33/11 KV Substations	No. of Distributing Transformers			Conductor/ Electrical lines- 11 KV or less (length in Kms.)	No. of Poles	No. of High Tension Towers	High Tension lines above 11 KV (length in Kms.)
			11 KV or Less	11 KV < and <60KV	6o KV and above				
1	Bhawanipatna	Naktiguda, Bhangabari&Borda	62	84	36	212	16960	NIL	22
2	**Kesinga**	**Kesinga, Utkela**	**46**	**36**	**41**	**62**	**4960**	**NIL**	**26**
	Narla	**Narla,Rupra Road**	**22**	**37**	**18**	**122**	**9760**	**NIL**	**18**
	M.rampur	**Madanpur,karlamunda**	**34**	**25**	**29**	**147**	**11760**	**NIL**	**26**

Table No.2.9.15 :**Electrical Infrastructure in the Flood Prone Area of KWED, Bhawanipatna**

		No. of 33/11 KV Substations	No. of Distribution Transformers	Conductor/		No. of High	High Tensio

Sl. No.	Name of the Block/ ULB		11 KV or Less	11 KV < and <60KV	6o KV and above	Electrical lines-11 KV or less (length in Kms.)	No. of Poles	Tension Towers	n lines above 11 KV (length in Kms.)
1	Junagarh	Junagarh ,Charbahal&Mahichala	630	18	0	985.65	28653	NIL	3
2	Kalampur	Kalampur&Badkutru	425	12	0	786.5	22563	NIL	18
3	Th Rampur	Th Rampur	465	2	0	986.3	11562	NIL	52
4	Golamunda	Golamunda& Keygaon	426	4	0	860.36	15623	NIL	40
5	Dharamgarh	Godbhanja& Behera	356	3	0	986.6	14808	NIL	25
6	Jayapatna	Mukhiguda&Jayapatna	236	4	0	865.3	13808	NIL	78
7	Koksara	Gadramal&Ladugaon	342	6	0	944.2	14320	NIL	16

Sanitation

2.9.16 Drinking water and sanitation

Sl. No.	Name of the Block	Village Sanitation				Total No. of community sanitary complex	Households		Schools	
		Total No. 0f ODF GP	No. of ODF villages	No. of villages having covered drains	Length in KM.		Total no. of HHs	Total no. of HHs having IHHL	Total No.	No. of schools having functional toilets
1	Bhawanipatna	260	33	NA	NA	2	33764	22496	NA	NA
2	Dharamgarh	68	0	NA	NA	11	28254	12604	NA	NA
3	Golamunda	121	7	NA	NA	2	27126	14570	NA	NA
4	Jaipatna	90	5	NA	NA	0	25910	11859	NA	NA
5	Junagarh	161	12	NA	NA	0	35507	19730	NA	NA
6	Kalampur	55	1	NA	NA	0	18378	9058	NA	NA

7	Karlamunda	62	8	NA	NA	0	16304	11697	NA	NA
8	Kesinga	99	32	NA	NA	0	26669	20125	NA	NA
9	Koksara	69	1	NA	NA	0	23952	11583	NA	NA
10	Lanjigarh	395	91	NA	NA	0	21547	16893	NA	NA
11	M.Rampur	221	15	NA	NA	0	18164	10278	NA	NA
12	Narla	167	15	NA	NA	0	28780	15976	NA	NA
13	Th.Rampur	260	51	NA	NA	0	16915	10024	NA	NA
Total		**2028**	**271**			**15**	**321270**	**186893**		

12 nos of GP and 271 nos village declared as ODF in the present status

2.9.17 Migration

Kalahandi is a migration prone district. Out of 13 blocks, people from 6 blocks migrate to nearby districts or state and works in bricks knell to Telengana, Andhrapradesh, Tamilnadu, Karnataka from May to june . 374 labourers from 187 households have migrated during 2016-17. Among the total migrants, 50 percent migrants are female 52 children comes under age of 6 years.

2.9.18 Food security

Under NFSA, 325043 families are identified as the Priority households. Besides, 54136 families were identified under AAY category and 2281 under Annapurna. To meet the food grain requirement of the beneficiaries covered under NFSA, the district had an allotment of 72246 Qntl of rice and 2999.93 Qntl of wheat. To ensure timely delivery of food grain, the district has PDS retail outlay. Besides, the district has 5 major storage points with 450000 Qntl. storage capacities. These storage points are being managed by CWC, OSWC and RMC.

2.9.19 Social Security

In Kalahandi 75361 persons have covered under various social security schemes. Among them, 51641 (28020 male and 23621 female) have covered under Old age Pensions, 21000 under Widows Pension and 2720 (1478 male and 1242 female) under Disability Pensions.

2.9.20 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.

2.9.21 Anganwadi Centers

2247 AWC are operational in the district from which 1473 AWCs are having their own building which constitutes 56% of the total AWCs. In these AWCs, 188597 pre-school children

have enrolled. Besides, 436 children are found Severely Malnourished and referred. AWCs are also providing support to 34386 pregnant women and lactating mothers.

2.9.22 Schools and other Educational Institutions

EDUCATIONAL INFRASTRUCTURE

Sl. No.	Name of the Block	No. of Primary Schools	No. ME Schools	No. of High Schools	No. of Teachers	Teacher Pupil Ratio	No. of Colleges	No. of ITI/ Polytechnic/ Vocational Training Institutes
1	BHAWANIPATNA	162	80	38	1201	25.02	03	01
2	DHARAMGARH	97	58	20	702	32.74	01	
3	GOLAMUNDA	132	69	21	750	33.70	04	
4	JAIPATNA	118	51	21	626	32.58	02	
5	JUNAGARH	146	61	34	945	32.29	04	
6	KALAMPUR	70	27	11	340	29.46	02	
7	KARLAMUNDA	58	31	13	372	25.91	04	
8	KESINGA	107	40	28	714	28.18	03	
9	KOKSARA	98	68	22	650	33.18	02	
10	LANJIGARH	160	51	22	671	34.76	03	
11	M.RAMPUR	115	52	14	542	27.39	01	
12	NARLA	149	57	27	803	26.56	03	
13	TH RAMPUR	115	51	17	499	34.11	01	
14	BHAWANIPATNA MPL	25	11	7	298	21.02	04	
18	JUNAGARH NAC	7	4	3	123	27.11	02	
17	KESINGA NAC	9	3	2	86	25.38	02	
18	DHARAMGARH NAC (U)	9	4	3	105	23.89	02	
TOTAL		**1577**	**718**	**303**	**9427**	**29.84**	**43**	1

2.9.23 Veterinary Hospitals

Sl. No.	Block	Veterinary Hospital/ Dispensaries	No.of Doctors	Livestock Aid Centres	No.of Livestock Inspectors	No.of Artificial Inseminati on Centes	Others (to be specified) (**Baif, JKTrust&G omitras**)
1	Karlamunda	1	2	7	7	6	4
2	M.Rampur	1	1	10	8	7	1
3	Narla	1	2	11	8	11	6
4	Lanjigarh	2	3	10	8	4	1
5	Bhawanipatn a	3 (District Vety. Hospital-1 & VD-1)	2	20	20	19	4
6	Kesinga	3	3	13	13	16	5
7	Th. Rampur	1	1	8	6	2	0
8	Dharmagarh	2 (Hospital-1 & VD-1)	4	9	7	9	5
9	Kalampur	1	2	5	4	4	2
10	Koksara	2	2	12	10	12	7
11	Jaipatna	1	1	8	7	7	2
12	Golamunda	1	2	10	5	7	1
13	Junagarh	2 (Hospital-1 & VD-1)	3	16	15	15	1
	Total	**21**	**28**	**139**	**118**	**119**	**39**

2.9.24 Police Stations

DETAILS OF POLICE STATION/ OPS UNDER THE JURISDICTION OF OFFICERS.

SADAR SUB-DIVISION						
Sl.No	**Name of the Officers**	**Rank**	**Present Posting**	**Personal**	**CUG**	**Issued by Office**
1	Ramesh Ch. Sethi, OPS	DSP	SDPO, Sadar	9437089236	9438916817	7682833119
2	Satya Kumar Nanda	Inspector	IIC, Town PS	7682833102	9438916787	9438260596
3	Pradeep Kumar Dharua	Inspector	IIC Sadar PS	993811079	9438916784	7682833103
4	ChandrahasyaSahu	ASI	I/c Karlapada OP	9438687909	9438915899	76828-33132
5	Govinda Majhi	Inspector	IIC, Kegaon PS	73269-99003	94384-82803	76828-33104
6	Kulabhusan Nayak	ASI	I/c Borda OP	93371-01075	94389-15893	76828-33133
7	ManoranjanKumbhar	S.I	I/c Th.Rampur PS	76818-50372	94389-16785	76828-33105

8	KanhuCharan Panda	ASI	I/c Karlapat OP	94372-02162	94389-15900	76828-33134
9	Malaya Kumar Rana	ASI	I/c Mahulpatna OP	99372-18463	94389-15902	76828-33135

DHARAMGARH SUB- DIVISION						
1	Laxminarayan Panda, OPS	DSP	SDPO,Dh.garh	94371-20560	94389-16818	76828-33121
2	DamuParaja	Inspector	IIC, Dharamgarh PS	94373-37781	94389-16924	76828-33113
3	RasmitaPradhan(89172-23627)	Inspector	IIC, Golamunda PS	94386-11705	94389-16926	76828-33114
4	Akshya Prasad Pattnaik	ASI	I/c Daspur PS	94371-54472	94389-15895	76828-33142
5	Susanta Kumar Sahu	Inspector	IIC Jaipatna PS	94399-73481	94389-16775	76828-33118
6	Premchand Sahoo	ASI	I/c Mukhiguda PS	78942-96691	94389-15905	76828-33146
7	Manoranjan Acharya	ASI	I/c Kalampur PS	94372-02250	94389-15897	76828-33144
8	JayadevTarini	S.I	I/c Kutru OP	94373-58809	94389-15901	76828-33145
9	UttamSahu	S.I	OIC Koksara PS	94376-93347	94389-16780	76828-33116
10	Sekhar Jena(83277-09412)	ASI	I/c Moter OP	94371-97788	94389-15904	76828-33147
11	Pravat Kumar Sethy(76810-37373)	Inspector	IIC, Junagarh PS	83288-00743	94389-16776	76828-33115
12	Ashok Ku. Bihari	ASI	I/c Chiliguda OP	94380-29171	94389-15894	76828-33143
13	Satyanarayan Pradhan	Inspector	IIC Ampani PS	80187-02864		88953-30262

KESINGA SUB-DIVISION						
1	GupteswarBhoi, OPS	DSP	SDPO, Kesinga	89176-33893	94389-16819	76828-33120
2	Ashok Kumar Mahapatra	Inspector	IIC, Kesinga PS	94376-44900	94389-16779	76828-33107
3	S.B.Mangaraj	ASI	I/c Utkela OP	78945-27963	94389-15909	76828-33136
4	Asit Panda	ASI	I/c Palam OP	97776-65109	94389-15906	76828-33137
5	Renuka Suna	Inspector	IIC M.Rampur PS	94384-71435	94389-16782	76828-33109
6	Durga Prasad Sahu	ASI	I/c Mohangiri OP	78942-46949	94389-15903	76828-33140
7	LabaramChhatria	ASI	I/c Risida OP	79781-06547	94389-15907	76828-33139
8	A.Ch.Biswas	S.I	I/c Karlamunda OP	70773-06098	94389-15898	76828-33138
9	Ramani Ranjan Dalei	Inspector	IIC Narla PS	86584-80430	94389-16783	76828-33108

10	Bijuram Bag	ASI	I/c Sikerkupa OP	82499-76938	94389-15908	76828-33141
11	ChaturbhujaNayak , 9556683131	Inspector	IIC Lanjigarh PS	94399-35791	94389-16781	76828-33111
12	KanhuCharan Swain	Inspector	IIC B.N.pur PS	94380-60029	94389-16923	76828-33110
13	Prasanta Kumar Kolaharas	S.I	IIC BijepurP.S	80187-02864		76828-33112

Details Fire Stations, Kalahandi District

Fire Station				
Sl.No	Name of the F.S.	OICs Name	Office Telephone Number	OICs Mobile No.
1	BhawanipatnaF.S	AFO- Subash Chandra padhiari	06670-230666	94387-21081
2	LanjigarhF.S	S.O. ManoranjanPadhi	7655086976	95560-87412
3	Dharamgarh F.S.	S.O. Radhu Ch. Mallick	06672-242219	94394-03618
4	KesingaF.S	S.O. Anil Kumar Mishra	06670-223-611	8280166479
				7008248547
5	Junagarh F.S	S.O. Apurba Ranjan Sahoo	06672-243419	9438234588
				7008843451
6	KoksaraF.S	S.O. Kailash Ch. Pradhan	76550-86978	87638-90801
7	JaipatnaF.S	LFM- Krushna Ch. Sisa	06673-266093	9437790187
				9777835211
8	kalampur F.S.	LFM- Binod Kerketta	06673-258222	88955-85584
9	Karlamunda F.S.	LFM- Jagdish Meher	7655086975	98614-21790
				79780-13091
10	Narla F.S.	LFM- TaranisenMirdha	76550-86973	91783-52232
11	M.RampurF.S	LFM- MaheswarLakra	76550-86974	87631-80701
12	GolamundaF.S	LFM- Laxman Ch. Kishan	---	87634-08849
13	T.Rampur	LFM- BanamaliPujhari	---	94394-57085

2.9.25 Cooperative Societies

Type	No. of Societies	Membership
Primary Agricultural Credit co-operative societies	77	174204
Non-Agricultural Co-op. Societies	33	13784
Regional Co-op. Marketing Societies (RCMS)	02	228
Bhawanipatna Central co-operative bank Ltd. BCC Bank Branches	13	245728

2.9.26 Banks and Post offices

As on March 2011, there were 43 nos., 42 nos. and 88 nos. of Public Sector Bank, Regional Rural bank and Scheduled Commercial Banks in the district.

(In Number)

Sl. No.	Year/ Block/ Urban	No. ofPost Offices				No. ofPost Offices having	
		Head Post Office	Sub Post Office	Branch Post Office	Total	Speed Post Service	Instant Money order Service (IMO)
1	2	3	4	5	6	7	8
1	Bhawanipatna	0	1	28	29	1	1
2	Dharmagarh	0	2	27	29	2	2
3	Golamunda	0	1	17	18	1	1
4	Jayapatna	0	2	15	17	2	2
5	Junagarh	0	2	39	41	2	2
6	Kalampur	0	1	11	12	1	1
7	Karlamunda	0	2	8	10	2	2
8	Kesinga	0	1	31	32	1	1
9	Koksara	0	2	27	29	2	2
10	Lanjigarh	0	2	17	19	2	2
11	M.Rampur	0	2	16	17	1	1
12	Narla	0	3	23	26	3	3
13	Th.Rampur.	0	1	15	16	1	1
	URBAN						
1	Bhawanipatna(M)	1	6	0	7	7	7
2	Junagarh(N.A.C.)	0	1	0	1	1	1
3	Kesinga (N.A.C.)	0	3	1	4	3	3

2.9.27 Road and Railway network

Categories	**Total KM**
National High way	206.86
State High Way	215
Major Dist. Road	266
Other Dist Road	46
Forest Road	308

GP Roads	9955
Classified Village Road	--
P.S road	517
Village Road	1061

Railways:

- Total Length: 38.476 KM (Broad gauge)

2.9.28 Cyclone and Flood Shelters

The district has 4 nos. ofMulti purpose flood shelters. Also, the district is using schools and BNRGSK building as temporary flood shelters.

List of Multi purpose flood shelters.

Sl. No	Name of the District	Name & Address of The Sarpanch	Name of the MCS/MFS	Name & Address of the CSMMC/FSMMC	Contact Details
1	Kalahandi	Name-JhasanetriBhoi,W/o-BeldharBhoi, At-Talbhanra, po-Belkhandi, Block-Kesinga	Belkhandi, MFS, Kesinga	Belkhandi, Kesinga	Mob-9938620644
2	Kalahandi	PromodiniSabar w/o-Malaya Ku. Sabar, At-Bhejiguda, village-Umer, Ps- Jaipatna, Block- Jaipatna	Rasdumer, MFS, Jaipatna	Rasdumer, Jaipatna	Mob-9178016430
3	Kalahandi	JagabandhuDurga,Village-Balichada, via-Kalampur, Post-Deypur, P.S.Kalampur Block-Kalampur	Balichhada, MFS, Kalampur	Balichhada, Kalampur	Mob-7681002650 9777617918
4	Kalahandi	Geetanjali Majhi, W/o- Nilu Ch. Majhi, Village-Banijora, G.P.Banijora P.S. Junagarh, Block-Junagarh	Kutengaon, MFS,Junagarh	Kutengaon,Junagarh	Mob-9668444704

List of Schools/Institution used as Flood Shelter

Sl. No.	Name of the Block	Name of the G.P.	Name of the Institution (U.P. School / UGME School)
1	Bhawanipatna	Dumuria	Masigaon, Salegaon, SikuanDumuria, Barfa U.P.S
		Artal	Artal UGMEs, Ajrai UGMEs
		Palna	Palna GP building, KharselUPS ,Tepsa UPS
		Borda	Borda, Kholpala, Gurjung, Phapsi, Goikela, Nuapada UGMES
		Borbhata	Bargaon, Kendupati, Ghapatkhanda, Sapsilet, Seinpur UPS
		Madiguda	Madiguda, Chikili, Khairmal Kacharpadar UPS
		Chahagaon	Chahagaon, Makdipadar, Budhipadar, Turkel UPS
		Karlapada	Padiagaon, Karlapada GP building
		Cheliamal	Cheliamal, Pandigaon UPS
		Kalam	Kalam GP bulding, Chandopala, Bargaon, Turchi, Tentulipada, Temera UPS, Bileikuni AWC
		Kutrukhamar	Karatikili, Gobra, Rangenguda, Badfunda UPS
2	Kesinga	Patharla	Malpada PS, Bahadurpadar PS
		Kundabandh	Kundabandh PS, Gurujimunda PS
		Nunmath	Nunmath GP Office,
		Belkhandi	Talbhanra PS, Belkhandi PS
		Sirjapali	Digsira PS
		Tundla	Tundla HS
		Khasurpada	Khasurpada HS
3	Dharamgarh	Kankeri	Kankeri UPS
		Tambachada	Tambachada UPS
4	Golamunda	Chichela	Chichela UPs
		Farang	Farang UPS, GP building
		Rengsapali	Rengsapali, GP building
		Badchergaon	Badchergaon UPS, GP building

		Uchhala	Uchhala, GP building
		Kegaon	Kegaon, GP building
		Khura	Khura, GP building
		Mahaling	Mahaling, GP building
		Manjhari	Manjhari, Udesring UP school
		Chapria	Chapria, GP building
		Makraguda	Makraguda UPS
5	Junagarh	Nandol	Nandol UPS, Mankarsola UPS
		Kendupati	GP Building Kendupati, Amathola PS and Makarsola PS
		Atigaon	AWC Bagdungari, Kandulguda PS
		Tamala	GP Building Tamala, AWC Sahajkana
		Matigaon	Bhatraguda PS
		Bhainriguda	AWC Panigaon
6	Golamunda	Mahaling	Mahaling PUPS
		Leter	Leter PS
7	Jaipatna	Jaipatna	Khairmal UPS
8	Kalampur	Kalampur	Balichada UPS, Bankapalas KGVP, Kalampur UP school
		Deypur	Ichhapur UGME School
		Mingur	Dangripada UP school, RD office
		Harmal	Paruaguda UP school
		Bandhakana	Temra UP school, Churagaon HS
		Mandal	KH Dangriguda ME School
9	M.Rampur	Muding	Durladani UPS

Chapter- 3

Hazard, Vulnerability and Risk Assessment

- **3.1 Major Disasters/ Incidents during -2006-2018**

A brief profile of major disasters/ incidents occurred in the district since 2006 to 2018):

Table No. : 1

Sl. No.	Disaster / Incident	No. of incidents during (2006 - 2018)	No. of Deaths	Affected Population	Livestock Loss	Houses Damaged	Damage to Infrastructure				Damage and loss of Crop Area (in Hectares)
							School/ AWC Buildings	Hospitals	Road in Km.	Other Critical Infrastructure	
Disasters as approved under SDRF/ NDRF Guidelines.											
1	Flood	14	-	45445	-		-	-	-	-	
2	Drought	9	-	94454	-	-	-	-	-	-	
3	Fire	79	55	245	-		-	-	-	-	-
4	Hail Storm	1	1	-	-		-	-	-	-	
5	Cyclone	3	2-	21889	-	-	-	-	-	-	-
6	Earth Quake	-	-	-	-	-	-	-	-	-	-
7	Tsunami	-	-	-	-	-	-	-	-	-	-
8	Landslide	-	-	-	-	-	-	-	-	-	-
9	Avalanche	-	-	-	-	-	-	-	-	-	-
10	Cloud Burst	-	-	-	-	-	-	-	-	-	-

11	Pest Attack	2	-	-	-	-	-	-	-	-	-
12	Cold Wave/ Frost	-	-	-	-	-	-	-	-	-	-
State Specific Disasters as per Notification No.1936 Dt. 01.06.2015											
13	Lightning	64	53	212	-	-	-	-	-	-	-
14	Heat wave	1	1	1	-	-	-	-	-	-	-
15	Whirl wind	-	-	-	-	-	-	-	-	-	-
16	Tornado	-	-	-	-	-	-	-	-	-	-
17	Heavy Rain	6	1	30597		1355					
18	Boat Accidents (Other than during Flood)	-	-	-	-	-	-	-	-	-	-
19	Drowning (Other than during Flood)	3	3	-	-	-	-	-	-	-	-
20	Snake Bite(Other than during Flood)	-	-	-	-	-	-	-	-	-	-
Other Disasters											
21	Animal Menace	-	-	-	-	-	-	-	-	-	-
22	Building	-	-	-	-	-	-	-	-	-	-

	Collapse										
23	Stampede	-	-	-	-	-	-	-	-	-	-
24	Epidemics	6	685	171635	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-

Inventory Work done by EEs, of line Deptt. Water Resource/ RWD and NH/ of Kalahandi district (Details of Vulnerable Embankment, nos of Breaches, CDs etc)

Table No-2

Furnished by EE, Upper Indravati Right Canal Division

Sl No	Name of Work	Past Breaches/ Damages	Current Status (Related to Col-03)	Weak Areas (high possibility of Damages/ Breaches)	Action Plan to Restore (Related to Col.05)	Time Length
01	02	03	04	05	06	07
1	Outer side slope protection work from RD 14100M to RD 14140M of RMC	Breach occurred during rainy season 2017-18	Temporary Restoration done by earth filling & sand bag filling.	Possibility of breach again	Outer side slope/bank protection with stone packing	30.06.2019
2	Clearance of CD vent at RD 4.678KM of Right Main Canal	Vent choked with silt & breach occurred. Both wing & return wall of Right Bank damaged	Temporary Restoration done by earth filling & sand bag filling.	Possibility of breach again at the same location if silt from CD vent not cleared	Immediate clearance of CD vent required	30.06.2019
3	Strengthening of Right Bank of RMC from RD 10725M to RD 10925M with retaining wall at outer toe.	Vulnerable zone	Water level touches TBL during full supply	Possibility of breach if right bank strengthening not done	Bank raising with outer side toe wall	30.06.2019
4	Outer side slope protection work from RD 6500M to RD 6540M of RMC	Breach occurred during rainy season 2017-18	Temporary Restoration done by earth filling & sand bag filling with inside slope	Possibility of breach again	Outer side slope/bank protection with stone packing with grouting	30.06.2019
5	Temporary restoration of CD at RD 27.446KM of RMC	Piping occurred during Rabi 2019	Temporary Restoration work done for supply of Rabi 2019.		Temporary Restoration work done	30.06.2019
6	Breach closing at RD 980M (U/S side of VRB) of Kenduguda Minor of RMC.	Breach occurred during Rabi 2019	Temporary Restoration done	Possibility of breach again	Breach closing is needed before Khariff 2019	30.06.2019
7	Strengthening of Right Bank of RMC from RD 50KM to RD 50.29KM.	Vulnerable zone	Water overtops embankment during full supply	Possibility of breach	Bank raising with inside sand bag lining	30.06.2019
8	Strengthening of Right Bank of RMC from RD 49.45KM to RD 49.55KM.	Vulnerable zone	Right bank inside slope scoured	Possibility of breach	Bank raising with inside sand bag lining	30.06.2019
9	Strengthening of Right Bank with Retaining wall at Country side from RD 66.30 Km to 67.50 Km	Breach occurred during Khariff season 2018	Temporary Restoration done by Earth filling & Sand Bag Filling.	Possibility of Breach again in the Monsoon Season	Strengthening of Canal bank by Filling Earth	30.06.2019

3.2 **Furnished by EE, Upper Indravati Left Canal Division**

Sl. No.	Name of Work	Past Breaches/ Damages	Current Status (Related to Col.3)	Weak areas (High possibility of Damages/ Breaches)	Action Plan to restore (Related to Col.5)	Time Length
1	2	3	4	5	6	7
1	Outer side slope protection work from RD 8370m to RD 8450m of Right Bank of LMC.	Pipings occurred during Kharif 2018	Temporary restoration done by earth filling and sand bags filling.	Possibility of piping again	Outerside slope/ bank protection with stone packing.	30.06.2019
2	Outer side slope protection work from RD 2640m to RD 2732m of Left Bank of LMC.	Pipings occurred during Kharif 2018	Temporary restoration done by earth filling and sand bags filling.	Possibility of piping again	Outerside slope/ bank protection with stone packing.	30.06.2019
3	Outer side slope protection work from RD 8280m to RD 8290m of Right Bank of LMC.	Pipings occurred during Kharif 2018	Temporary restoration done by earth filling and sand bags filling.	Possibility of piping again	Outerside slope/ bank protection with stone packing.	30.06.2019
4	Strengthening of Left Bank of LMC from RD 3100m to RD 3250m.	Vulnerable Zone	Water overtops during full supply.	Possibility of breach	Bank raising & strengthening of outer slope.	30.06.2019
5	Strengthening of Left Bank of LMC from RD 4800m to RD 5100m.	Vulnerable Zone	Water overtops during full supply.	Possibility of breach	Bank raising & strengthening of outer slope.	30.06.2019
6	Slope protection work on Right Bank of LMC at RD 23100m.	Right Bank inside slope scoured of LMC	Bank has been scoured.	Possibility of damaged to service road.	Slope protection work to be done.	30.06.2019
7	Slope protection work on Right Bank of LMC at RD 25500m.	Right Bank inside slope slipped of LMC	Bank has been slipped.	Possibility of damaged to service road.	Slope protection work to be done.	30.06.2019
8	Restoration of Left Bank of Bijmara Distributary at RD 6100m.	Breach occurred during Rabi Irrigation 2019	Temporary restoration done by earth filling and sand bags filling.	Possibility of further breaches.	Protection wall to be done.	30.06.2019

3.3 Furnished by EE, RWD Division, Dharmagarh

Sl.No	Block	Name of the Road	Length of the road(In Km)	Past Breaches			Weak Areas	Time required to Complete	Action Plan to restore
				Nos. of breaches /Chainage(in Km)	Length of breach	No of CDs/Bridges damaged			
1	2	3	4	5	6	7	8	9	10
A) RD Roads									
(a) Old R.D.Roads									
1	Dharamgarh	Behera-Chanchanbahali Road	5	3/825-3/845	20	-	Road crust damaged and potholes/ruttings formed over Hume pipe culvert portion due to overflow of flood water.	1	Concrete pavement with cut-off over the damaged road portion.
(B)COMPLETED PMGSY ROADS BUT WITHIN 5 YRS MAINTENANCE PERIOD									
2	Jaipatna	PWD Road to Chhatabandhaguda	6.2	5/460 to 5/700	240	-	Flank portion of the road washed out due to heavy flood	8	Protection wall required on both side of the road to protect from scouring due to flood.
3	Jaipatna	RD Road Kuhuriguma	5.25	1/000 to 1/100	100	-	Flank portion of the road washed out due to heavy flood	3	Protection wall required on one side of the road to protect from scouring due to flood.
(C)	**ON-GOING PMGSY ROAD**								
4	Kalampur	Bijmara to Kalampur	4.3	2/750 -2/790	40	-	Flank portion of road alongside Hati river.	2	Protection wall required on one side of the road to protect from scouring due to flood in Hati river.
5	Jaipatna	Kapurmal to chandpur	4.2	0/730-0/765, 1/930-2/150	155	-	Both side approach road of 1000mm dia D/R HPC & Causeway 900mm Dia 5 Rows.	6	Protection wall required on both approach road of Box culvert.
(D)	**NON-PMGSY ROAD**								
6	Kalampur	PWD road to GoudKenduguda	2.7	2/670-2/700	30	-	Flank portion of the road washed out due to heavy flood	2	Protection wall required on one side of the road to protect from scouring due to flood.

3.4 Furnished by EE, RWD Division, Kesinga

Road/ Embankment wise details (Rs. In lakhs)

Sl No.	Name of the District	Block	Assembly Constituency	Name / details of the road/ embankment	Type of Road/ embankment (SH/MDR/others (Specify)	Length of Road/ embankment damaged (in Km)	No. of Breaches	Length of Breaches (in mtr)	No. of CDs/ Bridges damaged	No. of CDs/ Bridges washed away	Total Estimated cost			Fund required for immediate restoration as per SDRF/ NDRF Norms		
											Road/ Embankment (includes breaches)	CDs/ Bridges	Total	Road/ Embankment	CD/Bridges	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Kalahandi	Kesinga	Bhawanipatna	Julko to Kandel Road	VR	3.00	3	180	1	-	5.00	4.00	9.00	4.00	1.00	5.00
2	Kalahandi	Kesinga	Bhawanipatna	Haldi to Kokodmal	VR	3.00	1	30	1	-	10.00	5.00	15.00	4.00	1.00	5.00
3	Kalahandi	Kesinga	Bhawanipatna	NH 201 to Boringpadar	VR	2.00	3	200	-	-	10.00	0.00	10.00	4.00	0.00	4.00
4	Kalahandi	Kesinga	Bhawanipatna	Themera to Matia	VR	0.30	2	20	1	-	3.00	2.00	5.00	1.00	1.00	2.00
5	Kalahandi	Kesinga	Bhawanipatna	Balsi to Parelsinga	VR	2.00	2	50	-	-	8.00	0.00	8.00	4.00	0.00	4.00
6	Kalahandi	Kesinga	Bhawanipatna	Laitara to Dendoguda	VR	1.00	2	40	1	-	5.00	3.00	8.00	2.00	2.00	4.00
7	Kalahandi	Kesinga	Bhawanipatna	Sirol to RD Road	VR	0.20	1	30	1	-	4.00	2.00	6.00	1.00	1.00	2.00
8	Kalahandi	Kesinga	Bhawanipatna	Jujrang to Gokuleswar	VR	1.00	2	40	2	-	4.00	4.00	8.00	2.00	1.00	3.00
9	Kalahandi	Kesinga	Bhawanipatna	Gokuleswar to Deogaon	VR	1.00	2	30	1	-	4.00	2.00	6.00	2.00	1.00	3.00
10	Kalahandi	Kesinga	Bhawanipatna	Gokelswar to Mahagaon	VR	1.00	2	30	1	-	3.00	2.00	5.00	1.00	2.00	3.00
11	Kalahandi	Kesinga	Bhawanipatna	Utkela to Deogaon via Jujurang, Bisodi	VR	1.00	2	25	1	1	3.00	3.00	6.00	2.00	2.00	4.00

12	Kalahandi	Kesinga	Bhawanipatna	Fatkamal to Gaigaon	VR	1.00	-	.-	-	-	5.00	0.00	5.00	2.00	0.00	2.00
13	Kalahandi	Kesinga	Bhawanipatna	Pipalbhadi to Kutingpadar	VR	1.00	1	150	-	-	5.00	0.00	5.00	3.00	0.00	3.00
14	Kalahandi	Kesinga	Bhawanipatna	Utkela to Deogaon via Matia Jamjore	VR	1.00	3	150	1	-	4.00	1.00	5.00	2.00	0.00	2.00
15	Kalahandi	Kesinga	Bhawanipatna	Kanabira to Khamari	VR	0.50	2	20	-	-	2.00	0.00	2.00	1.00	0.00	1.00
16	Kalahandi	Kesinga	Bhawanipatna	Themera to Matia Bridge Approach Road	VR	0.50	3	150		-	5.00	0.00	5.00	5.00	0.00	5.00
17	Kalahandi	Kesinga	Narla	Karlakhunta to Turla	VR	1.00	2	40	-	-	5.00	0.00	5.00	3.00	0.00	3.00
18	Kalahandi	Kesinga	Narla	Kandel to Karlakhunta	VR	3.00	-	-			20.00	0.00	20.00	3.00	0.00	3.00
19	Kalahandi	Narla	Narla	PWD Road to Jurkabhata	VR	3.00	2	70	1	-	10.00	10.00	20.00	5.00	10.00	15.00
20	Kalahandi	Narla	Narla	Rupra to Palsapada	VR	2.00	2	60	1	-	6.00	3.00	9.00	3.00	1.00	4.00
21	Kalahandi	Narla	Narla	RD Road to Kuten	VR	1.00	2	50	1	-	4.00	3.00	7.00	2.00	1.00	3.00
22	Kalahandi	Narla	Narla	Tulapada - Panga	VR	1.00	3	120	1	-	10.00	5.00	15.00	6.00	1.00	7.00
23	Kalahandi	Narla	Narla	Bhanpur Upher	VR	2.00	5	100	3	-	5.00	5.00	10.00	3.00	1.00	4.00
24	Kalahandi	Narla	Narla	PWD Road to Shantpur	VR	1.00	3	40	4	-	5.00	5.00	10.00	3.00	2.00	5.00
25	Kalahandi	Narla	Narla	Narla - Bagpur	VR	1.00	3	40	4	-	5.00	5.00	10.00	3.00	2.00	5.00
26	Kalahandi	Narla	Narla	Ghantmal Sarian	VR	1.00	4	60	4	-	5.00	20.00	25.00	4.00	2.00	6.00

27	Kalahandi	Narla	Narla	PWD Road to Takarla	VR	1.00	4	50	3	-	4.00	4.00	8.00	2.50	2.00	4.50
28	Kalahandi	Narla	Narla	PWD Road to Kespala	VR	1.50	6	100	1	-	10.00	5.00	15.00	5.00	1.00	6.00
29	Kalahandi	Narla	Narla	PWD Road to Bhatang	VR	0.50	3	40	-	-	5.00	1.00	6.00	3.00	0.00	3.00
30	Kalahandi	Narla	Narla	PWD Road to Kamegaon	VR	1.00	2	30	1	-	5.00	2.00	7.00	2.00	1.00	3.00
31	Kalahandi	Narla	Narla	PWD Road to Siripur	VR	0.50	3	20	-	-	5.00	0.00	5.00	3.00	0.00	3.00
32	Kalahandi	Narla	Narla	Balbaspur to Sarian	VR	2.00	5	50	2	-	5.00	3.00	8.00	3.00	1.00	4.00
33	Kalahandi	Narla	Narla	Sarian to Budhipadar	VR	0.50	2	20	-	-	4.00	0.00	4.00	2.00	0.00	2.00
34	Kalahandi	Narla	Narla	SH6 to Rekhpur	VR	0.50	1	17	-	-	5.00	0.00	5.00	2.00	0.00	2.00
35	Kalahandi	Narla	Narla	Gohirapadar to Ulikupa	VR	0.50	3	30	1	-	4.00	2.00	6.00	2.00	1.00	3.00
36	Kalahandi	Narla	Narla	PWD Road to Bhimkela	VR	0.50	2	20	-	-	4.00	0.00	4.00	2.00	0.00	2.00
37	Kalahandi	Narla	Narla	Bhanpur to Ghodabandha	VR	1.00	3	40	1	-	5.00	0.00	5.00	3.00	0.00	3.00
38	Kalahandi	Narla	Narla	PWD Road to Dampdar	VR	2.00	0	0	-	-	15.00	0.00	15.00	5.00	0.00	5.00
39	Kalahandi	Narla	Narla	PWD Road to Dhanramal	VR	1.00	4	20	-	-	5.00	2.00	7.00	4.00	1.00	5.00
40	Kalahandi	Kesinga	Bhawanipatna	NH 201 to Gujrarmal	VR	1.00	5	10	1	-	5.00	2.00	7.00	3.00	1.00	4.00
41	Kalahandi	Kesinga	Bhawanipatna	NH 201 to Kerokuda	VR	1.50	3	200	3	-	15.00	3.00	18.00	5.00	3.00	8.00
42	Kalahandi	Kesinga	Bhawanipatna	NH 201 to Bhejapadar	VR	1.00	2	150			5.00	0.00	5.00	2.00	0.00	2.00

43	Kalahandi	Karlamunda	Narla	PWD road to Odiamunda	VR	1.00	4	10	1	-	4.00	2.00	6.00	3.00	2.00	5.00
44	Kalahandi	Karlamunda	Narla	Abujbahal to Gajabahal via Badadunguriguda	VR	1.00	5	15	3	-	4.00	2.00	6.00	3.00	1.00	4.00
45	Kalahandi	Karlamunda	Narla	PWD Road to Siletpada	VR	1.00	4	10	2	-	5.00	2.00	7.00	3.00	2.00	5.00
46	Kalahandi	Karlamunda	Narla	RD Road to Talbhamra	VR	1.00	5	10	3	-	3.00	1.00	4.00	3.00	2.00	5.00
47	Kalahandi	Karlamunda	Narla	PWD Road to Patharkhandi	VR	1.00	5	10	4	-	4.00	2.00	6.00	2.00	2.00	4.00
48	Kalahandi	Karlamunda	Narla	PWD road to Takarmal Via Rinja	VR	0.50	1	50			5.00	0.00	5.00	2.00	0.00	2.00
49	Kalahandi	M.Rampur	Narla	NH 217 to Kutigundam	VR	1.00	1	30	-	-	15.00	0.00	15.00	5.00	0.00	5.00
50	Kalahandi	M.Rampur	Narla	Manikera to Taprang	VR	1.00	-	-	-	-	8.00	0.00	8.00	3.00	0.00	3.00
51	Kalahandi	M.Rampur	Narla	Sikelkupa to Kandasarabahali	VR	1.00	-	-	-	-	5.00	0.00	5.00	2.00	0.00	2.00
52	Kalahandi	M.Rampur	Narla	Belgaon to Chitra	VR	2.00	-	-	-	-	10.00	0.00	10.00	3.00	0.00	3.00
53	Kalahandi	M.Rampur	Narla	PWD Road to Benaguda	VR	1.00	1	30	-	-	8.00	0.00	8.00	3.00	0.00	3.00
54	Kalahandi	M.Rampur	Narla	PWD Road to Kadel Asurgarh via Nunpur	VR	1.00	1	10	-	-	5.00	0.00	5.00	2.00	0.00	2.00
55	Kalahandi	M.Rampur	Narla	PWD Road to Sundipada	VR	1.00					5.00	0.00	5.00	1.00	0.00	1.00
				TOTAL		**65.00**	**132.00**	**2697.0**	**56.00**	**1.00**	**337.00**	**117**	**454**	**158.50**	**52.00**	**210.5**

3.5 Furnished by EE, RWD Division, Bhawanipatna

Name of the Division: Rural Works Division, Bhawanipatna

SL. No.	Block	Name of the raod	Length of Road in Km.	Past breaches			Weak areas	Time requird to complete the above task (in Days)	Action plan to restore	Remarks	(Rs. In Lakh)					
											Total Estimated loss			Fund required for immediate restoration as per SDRF/ NORF Norms		
				No of breaches / Chainage	Length of road breach (in mtr.)	No.of CD / Bridges damaged in No.					Road / Embankment (includes breaches)	CDs/ Bridges	Total	Road / Embankment	CD / Bridge	Total
1	2	3	4	5	6	7	8	9	10	11	10	11	**12**	13	14	**15**
				R.D. ROADS							-	-	-	-	-	-
1	Bhawanipatna	Kanduljore to Kandakhal	3.53	1/ 2.000 - 2.020	20	1	Weak Area	1			0.50	10.00	**10.50**	0.0	3.80	**3.80**
2	Bhawanipatna	Pwd Road to Salebhata	5.70	3/100 - 3/125	25	2		2			15.00	5.00	**20.00**	0.95	0.00	**0.95**
3	Junagarh	Junagarh To Kaleigaon	6.00	3/ 2.00 - 2.030 3.00 - 3.050 4.100 - 4.140	120	3	Weak Area	1			15.5	10.25	**25.75**	8.2	3	**11.2**
4	Junagarh	Brahmaniguda to Deydar Via-dundelmal	11.77	1/ 7.00 - 7.065	65	1		2			5.75	20	**25.75**	1	5	**5.00**
5	Junagarh	NH-201 to Bhatrajore	5.00	1/ 4.800 - 4.840	40	1		2			5.00	0	**5.00**	2.38	0	**2.38**

6	Junagarh	Kharlabeda to Buxitulisapli	5.00	1/ 1.500 - 1.520	2/400 to 4/00 Km.	1		1			0.00	5.00	**5.00**	0.00	0.80	**0.80**
7	Junagarh	Jaring - Nandol - Junagarh 5/00 km to 17/00 Km	12.00	2/ 10.00 - 10.030 12.100 - 12.140	70	2	Weak Area	2								
8	Lanjigarh	Biswanathpur to Musanal	14.60	5/ 3.10 - 3/120 Km, 4.60 - 4.610Km, 4.80 - 4.810 Km 5.70 - 5.720 km 7.20 - 7.250 Km	110	5	Weak Area	2			20	7.5	**27.50**	1.5	0.00	**1.50**
9	Lanjigarh	Gopalpur to Madhupur	3.59	3/ 1.880 - 1900 2.000 - 2.020 3.530- 3.590	100	1	Weak Area	1			6.00	2.00	**8.00**	6.36	0.00	**6.36**
10	Lanjigarh	PWD Road to Madhupur Via Bhaluchanchara	4.263	1/ 2.100 - 2.110	15	1		1			3.00	2.00	**5.00**	1.74	0.00	**1.74**
11	Lanjigarh	Bandhapari to Lanjigarh	10.00	2/ 2/800 - 2/810 km 4/00 - 4/100 km	70	5	Weak Area	2			15.00	10.00	**25.00**	1.99	0.00	**1.99**
12	Lanjigarh	R.D. Road (Kenduguda Chhaka) to Pahadpadar Borpadar via-Titijhola Road	15.23	2/ 3/850 - 3/860 5/100 - 5/115	300	5	Weak Area	2			25.00	12.00	**37.00**	4.13	0.00	**4.13**
13	Th. Rampur	Attanguda to Jugsaipatna	1/ 4/500- 4.520 8/00 - 8/020	1/ 4/500- 4.520 8/00 - 8/020	73	3	Weak Area	1			9.00	3.00	**12.00**	2.00	0.00	**2.00**

14																
15				**0.00**	**270.00**	**9.00**	**0.00**				**41.75**	**50.25**	**92.0**	**12.53**	**12.60**	**24.13**
Completed PMGSY road (under 5years routine maintenance)											-	-	-	-	-	-
1	Th.Rampur	Pwd road to Kukurbhuri	3.81	2/ 1/500 - 1/520 2/100 - 2/140	60	2	Weak Area	1			2.50	2.00	**4.50**	2.00	0.00	**2.00**
2	Bhawanipatna	Pwd road Dumerbahal	3.00	1 2/250 - 2/280	30	1	Weak Area	2			8.00	5.00	**13.00**	0.00	0.60	**0.60**
3	Bhawanipatna	RD road to Kerandihapar	13.88	2/ 5/100 - 5.130 7.500 - 7.530	60	2	Weak Area	1			10.00	5.00	**15.00**	1.00	0.50	**1.50**
4	Junagarh	Brahmaniguda to Charbhati	2.479	1 1/500- 1/530	30	1	-	1			0.00	4.00	**4.00**	0.00	2.00	**2.00**
5	Junagarh	NH-201 to Manikpadar	2.50	1 1.800 - 1.820	20	1		1			2.00	0.00	**2.00**	0.80	0.00	**0.80**
6	Junagarh	K. Sargiguda to Tentulikhunti	2.70	1 1/650 - 1/670	20	1	0	1			1.00	1.00	**2.00**	0.50	0.50	**1.00**
7	Junagarh	Matigaon to Dudumguda	1.10	1/ 0/900 - 0/930	30	1		2								
8	Junagarh	Kulihari to Dabriguda	7.125	1/ 3/150- 3/160	10	1		1								
9	Bhawanipatna	Pwd Road to Bhangabari	1.30	1/ 1/00 - 1/100	32	-	Weak Area	2			5.00		**5.00**	4.01	0.00	**4.01**
10	Bhawanipatna	Pastipada Chaak to Boreguda	2.20	1/ 1/450 - 1/470	20	1	Weak Area	1			3.00	0.00	**3.00**	0.73	0.00	**0.73**
11	Bhawanipatna	Pwd Road to Bhikajharan	2.00	1 0/800 - 0.900	40	0	Weak Area	1			3.50	0.00	**3.50**	1.86	0.00	**1.86**

12	Bhawanipatna	Malgaon to Phatapada	4.00	1/ 2/00 to 2/10 Km	30	1	0	1			4.00	1.00	**5.00**	1.80	0.00	**1.80**
On going PMGSY Roads																
1	Bhawanipatna	Attanguda to Gochakhola	11.83	1/ 1.800 - 1.835	35	1		2			3.50	3.00	**6.50**	0.0	2.30	**2.30**
2	Bhawanipatna	RD Road to Kholandi	7.00	2/ 3.00 - 3.12 Km. 4/800 - 4/900	30	1		2			3.00	0.00	**3.00**	1.40	0.00	**1.40**
3	Bhawanipatna	Jugsaipatna to Titijhola	15.00	3/ 0.900 to 1/00 1/300 to 1/40 3/40 - 3/50	50	3	Weak Area	1			12.00	0.00	**12.00**	2.87	0	**2.87**
Completed SCA (KBK) SARCA																
1	Bhawanipatna	R.D. Road to Sukunabhata	1.60	1/ 0/800 - 0/825km	25	2	Weak Area	1			8	3	**11**	1.3	0.00	**1.3**
2	Junagarh	Brahmaniguda to Budhidhar	8.90	3/ 4.200- 4.220 6.100 - 6.130 7.00 - 7.040	90	3	Weak Area									
3	Lanjigarh	P.W.D. Road to Gunduri	7.00	1/ 2.350 - 2.430	80	1	Weak Area	1								
4	Lanjigarh	R.D. Road to Ravandhar	7.50	1/ 3.850 - 3.900	50	1	Weak Area	1								

3.6 IriigationDeppt. Kalahandi

Name of the Sub-Division :- Kalahandi Irrigation Sub-Division, Bhawanipatna

Sl.No	Name of the Embankment	Category of the Embankment				Length in Km.	Name of the Basin	Name of the River	District	Reach	*Status of the Embankment (Reach wise)*					Brief description about defficiency in parameters.
		C.E	O.A.E	T.R.E	S.E						T.B.L "M"	Side Slope	Top width in "M"	Pavement packing in "M"with Location	Spur in Nos with location	
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**
1	F.E at Taranja of Tel Right Bank	-	O. A. E	-	-	1.60	Mahanadi	Tel	Kalahandi	-	204	1.3:1	1.60m to 2.00m	RD 933m to 1015m =82m & 1450m to 1600m = 150m. Total = 232m	-	The embankment needs Raising & strenthening with R.S dry Packing. length of 1368m.
2	F.E at Kandulguda of Tel Right Bank	-	O. A. E	-	-	1.295	Mahanadi	Tel	Kalahandi	-	204	1.5:1	2.40m. to 3.00m	RD 300m to 600m =300m	-	Bank width requires widening & R.S dry packing in river side slope.
3	F.E at Atigaon of Tel Right Bank	-	O. A. E	-	-	0.915	Mahanadi	Tel	Kalahandi	-	204	2:1	2.70m to 3.10m	RD 00m to 120m =120m	-	Bank width requires widening & R.S dry packing in river side slope
4	F.E at Talmala	-	O.A.E	-	-	0.48	Mahanadi	Tel	Kalahandi			2:1	2.70m to 3.10m			
5	F.E at Kesinga to Kantsir Tel Right Bank	-	O. A. E	-	-	5.163	Mahanadi	Tel	Kalahandi	-	180	1.5:1	2.70m to 3.10m	RD 00m to 3100m =3100m	-	Bank width requires widening.
6	F.E at TurlaKhaman of Tel Right Bank	-	O. A. E	-	-	0.470	Mahanadi	Tel	Kalahandi	-	180	1.5:1	1.90m to 2.80m	RD 00m to 355m = 355m	-	The embankment

																needs Raising & strenthening.
7	Sand Screen at Turlakhaman					0.720	Mahanadi	Tel	Kalahandi			1.5:1	1.90m to 2.80m			
8	F.E at Rajapada to Digsira of Tel Right Bank	-	O. A. E	-	-	3.040	Mahanadi	Tel	Kalahandi	-	180	1.5:1	2.40m . to 2.80m	RD 00m to 3300m =3300m	-	Bank width requires widening
9	F.E at Amathoal to Nandol of Tel Right Bank	-	O. A. E	-	-	2.780	Mahanadi	Tel	Kalahandi	-	200	1.3:1	4.00	RD 00m to 2000m	-	The embankment needs Raising & strenthening & R.S dry packing in river side slope.
10	F.E at Makarsola Tel Right Bank	-	O. A. E	-	-	2.700	Mahanadi	Tel	Kalahandi	-	200	1.5 :1	4.50	00m to 2700m	-	
11	FE at Masani Munda Kesinga Town	-	O. A. E	-	-	0.350	Mahanadi	Tel	Kalahandi			1.5 :1	4.00			
12	Sand Screen at farang to funda	-	O. A. E	-	-	0.600	Mahanadi	Tel	Kalahandi			1:1	2.00			
13	FE at Karmath on Tel Left	-	O. A. E	-	-	0.750	Mahanadi	Tel	Kalahandi			1.5 :1	4.00	00mt to 750mt		
14	Sand Screen at Karmath on Tel Left	-	O. A. E	-	-	0.210	Mahanadi	Tel	Kalahandi			1:1	2.00			
15	Sand Screen at Madiguda	-	O. A. E	-	-	0.100	Mahanadi	Tel	Kalahandi			1:1	2.00			
16	F.E at Pondukul Kumari Tel Left Bank	-	O. A. E	-	-	2.540	Mahanadi	Tel	Kalahandi	-	201	1.5 :1	2.50m to 3.10m .	RD 00m to 2000m = 2000m	-	Bank width requires widening & R.S dry packing in river side slope.
17	F.E at Uchhala of Tel Left Bank	-	O. A. E	-	-	1.210	Mahanadi	Tel	Kalahandi	-	198	1.5 :1	2.50m . to 3.10m	00mt to 1.210mt	-	Bank width requires widening & R.S dry packing in river side slope.
18	F.E at Gundri of Tel Left Bank	-	O. A. E	-	-	1.360	Mahanadi	Tel	Kalahandi	-	199	1:1	1.80m . to 2.00m	-	-	Bank width requires widening & R.S dry packing in river side slope.
					C/O	**26.283**										

Name of the Sub-Division :- Khariar Irrigation Sub-Division, Khariar

					B/F	**26.283**										
19	F.E at Masigaonof Udanti Left	-	O. A. E	-	-	0.800	Mahanadi	Udanti	Kalahandi	-	215	1.5:1	3.00	-	-	Bank width requires widening & R.S dry packing in river side slope.
20	F.E at Chapriya of Udanti Right.	-	O. A. E	-	-	3.572	Mahanadi	Udanti	Kalahandi	-	215	1.5:1	3.00	-	-	Bank width requires widening & R.S dry packing in river side slope.
21	F.E at Artel		O. A. E			1.135	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60			
22	F.E at Kegaon		O. A. E			0.625	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60			
23	L.F.B of river Sundar near village Nehena from RD 00 m to 5376 m	-	OAE	-	-	5.38	Mahanadi	Sundar	Nuapada	-	228.00	1.5:1	3.00	500 m near the sluice near village Nehna	-	At some places the embankment is in undersection and needs strenthening and river side slope requires stone packing otherwise the embankment is ok for flood protection
24	L.F.B of river Sundar near village Turli from RD 00 m to 2840 m	-	OAE	-	-	2.84	Mahanadi	Sundar	Nuapada	-	230.00	1.5:1	2.8	RD 00 to 500 m = 500	-	River side slope nees stone packing
25	L.F.B of Ahila nalla near village Kusumakhunti from RD 00 to 580.00 m	-	OAE	-	-	0.58	Mahanadi	Ahilla	Nuapada	-	246.00	1:1	1m to 2.0m	RD 00 to 50 m = 50	-	It require raising and strengthening and DPR in under process
26	L.F.B of river Udanti near village Hatibandha from RD 00 to 1095 m	-	OAE	-	-	1.1	Mahanadi	Udanti	Nuapada	-	230.00	1.5 :1	3.00	RD 00 to 650 m =650 m	-	The embankment needs strengthening, & stone packing
27	F.E at Sindursil	-	OAE	-	-	0.115	Mahanadi	Udanti	Nuapada			1.5 :1	3.60	-	-	

28	L.F.B of river Udanti near villageKopia from RD 00 to 420 m	-	OAE	-	-	0.42	Mahanadi	Udanti	Nuapada	-	234.86	1.5 :1	2.00 to 3.00	-	-	Bank width requires widening
29	L.F.B of river Udanti near village chanura from RD 00 to 1920 m	-	OAE	-	-	2.58	Mahanadi	Udanti	Nuapada	-	229.80	1.5 :1	2.00 to 2.80	-	-	Bank width requires widening
30	L.F.B of river Udanti near village Jogibahal from RD 00 to 1100 m	-	OAE	-	-	1.10	Mahanadi	Udanti	Nuapada	-	237.56	2:01	3.60	RD 00 to 1100 m	-	
31	LFB of river Udanti near village Mahaling from RD 00 to 1050 m	-	OAE	-	-	1.05	Mahanadi	Udanti	Kalahandi	-	220.00	1.5 :1	3.60	RD 00 to700 m = 700m	-	
32	LFB of river Udanti near village Mahaling to Kuliapada from RD 00 to 1400 m	-	OAE	-	-	1.40	Mahanadi	Udanti	Kalahandi	-	220.00	1:5:1	2.4 to 3.0	RD 00 to 500 m = 500m	-	Requires widening and strengthining
33	F.E at Kuliapada	-	OAE	-	-	1.161	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	
34	F.E at Kuliapada to Bhatipada	-	OAE	-	-	1.200	Mahanadi	Udanti	Kalahandi			1.5 :1	2.00	-	-	
35	L.F.B of river Udanti near village Bordi.	-	OAE	-	-	0.900	Mahanadi	Udanti	Kalahandi	-	215.00	2:1	3.60	-	-	
36	L.F.B of river Udanti near village Makhapadar	-	OAE	-	-	2.500	Mahanadi	Udanti	Kalahandi	-	230.50	2:1	3.66	-	-	
37	F.E at Lanji	-	OAE	-	-	0.160	Mahanadi	Udanti	Kalahandi			2:1	3.60	-	-	
38	F.E at Sinapali	-	OAE	-	-	0.200	Mahanadi	Udanti	Nuapada			1.5 :1	3.60	-	-	
					C/O	**55.101**										
					B/F	**55.101**										
39	F.E at Barfa	-	OAE	-	-	0.355	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	
40	F.E at Kuhura to Kantamal	-	OAE	-	-	0.660	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	

41	F.E at Nuapada	-	OAE	-	-	0.786	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	
42	LHSS at Leter	-	OAE	-	-	0.829	Mahanadi	Udanti	Kalahandi			1:1	1.50	-	-	
43	F.E at Khoelpala to Gurujang	-	OAE	-	-	1.013	Mahanadi	Udanti	Kalahandi			1.5 :1	3.60	-	-	
Grand Total						**58.744**										

3.7 EE, NH Kesinga

3.7 EE Kesinga

Sl No	NH No	Total KM in Kalahandio district
1	NH -26 from km 126.280 to 260.280 km	134 km
2	NH -59 from km 68.260 to 118.370	50.11 km
3	NH-130C from km 195.600 to 218.350 km	206.86 km
	Total	206.86 km

There are 2 nos of vulnerable points at Chainage 76 km & 101 km on NH -59. In these location 2nos of bridge work is in progress , which will be completed by June-2019

- ## 3.8 Major Disasters/ Incidents in the District during 2018 :

Table: 02

Sl. No.	Disaster / Incident	No. of incidents during 2018	No. of Deaths	Affected Population	Livestock Loss	Houses Damaged	Damage to Infrastructure				Damage and loss of Crop Area (in Hectares)
							AWC/ School Buildings	Hospitals	Road in Km.	Other Critical Infrastructure	
1	Landslide	0	00	-	-	-	-	-	-	-	-
2	Lightening	10	10	-	-	-	-	-	-	-	-
3	Sunstroke	0	0	-	-	-	-	-	-	-	-
4	Snake Bite	9	9	-	-	-	-	-	-	-	-
5	Drowning	15	15								
6	Fire Accident	3	3								

3.9 Flood Damage Report during the year 2018

Sl. No.	Name of Department	Name of the Office	Details of Damage		Approximate amount required for immediate restoration (in lakhs)	Approximate amount required for restoration to pre-flood condition (in lakhs)
			Infracstructure details	Extent of loss ha./Km./ nos.		
1	Road & Building	O/O Executive Engineer (R &B), Kalahandi	CD/Breaches	129 nos.	151.00	731.00
			Roads	486.6 km.	545.00	2366.00
			Sub Total		***696.00***	***3097.00***
2	Rural Works	O/o Executive Engineer (Rural Works), Bhawanipatna, Kesinga and DharmagarhDivision	R.D. Roads/PMGSY	74.63 km	192.00	415.25
			Breaches/CDs/Bridges	262 nos.	74.60 lacs	197.25
			Total(B)		**266.60**	**612.50**
3	Energy	KWED, WESCO	HT, LT line & Sub-station	5nos	125.72	125.72
		KEED, WESCO		75 nos	163.04	163.04
			Total		***288.76***	***288.76***
5	Water Resource	Executive Engineer (MI division)	Check Dam	279 nos.	680.70	2443.00
			Minor Irrigation Projectsi. e Road/ Embankment (includes breaches)No. of CDs/ Bridges damaged	194 nos. 121 nos	341.00 127.8	783.00 789.00
			Total		***1149.5***	***4015.00***
		Executive Engineer (LI division)	Roads/ Embankments(included breaches)/L.I. Projects	420 nos. (LIP) with Designed Area in Ha. (10210)	717.00 Lakhs	717.00 Lakhs
			Total		***710.00***	**710.00**

6	**Panchayati Raj & Drinking Water Department**	**PD, DRDA**	Road/CD/Bridge/ Embankment	Roads- 1588.62 km. Breaches- 3129 nos. CDs/ Bridge damage- 578 nos. CDs/ Bridges wash away- 113 nos.	**1783.07**	6850.04
			Tubewell& PWS	Intake well, walkway bridge, pump house etc.- 30nos. nos.	**236.00**	**236.00**
			School Building and tank	33 nos	**108.00**	**149.00**
			Total (I)		**2127.07**	**7235.04**
7	Animal Husbandary	CDVO, Kalahandi	Milch Animal (Buffalo, Cows, Goat)/ Drought animal(Bullock, Calf)	Cow- 12nos	**3.60**	**3.60**
			Total		**3.60**	**3.60**
8	Fish Farmer Development Agency	District Fisheries Officer, Kalahandi	Wooden plank-built boat & Nylon gill net		27.49	27.49
			Total(L)		**27.49**	**27.49**
			Grand Total		***5268.42***	***15989.39***

DIST. KALAHANDI

REPORT ON DAMAGE DUE TO SAND CASTING/ SILTING OF AGRICULTURE LAND OCCURRED DUE TO HEAVY RAIN/FLOOD DURING THE MONTH OF JULY AND AUGUST'2018

Sl.No	Name of Block/ULB	Cultivated area affected (in hectare)	Area sand cast more than 3 inches(in hectare)	No. of farmers affected by sandcast/ silt deposit	Total assistance for removal of sand cast/silt deposit	Remarks
1	**2**	**3**	**4**	**5**	**6**	**7**
1	Bhawaniptna	83.58	83.58	486	1019676	

2	Kesinga	363.59	363.59	1900	4435798	
3	Karlamunda	224.79	224.79	1693	2742438	
4	M.Rampur	126.36	126.36	1199	1541592	
5	Narla	520.75	520.75	3215	6353150	
6	Lanjigarh	293.75	293.75	2070	3583750	
7	Th. Rampur	648.03	648.03	3013	7905966	
8	Junagarh	140.57	140.57	547	1714954	
9	Kalampur	26.11	26.11	74	318542	
10	Jaipatana	21.46	21.46	126	261812	
11	Koksara	31.66	31.66	101	386252	
12	Golamunda	1.48	1.48	5	18056	
		2482.13	**2482.13**	**14429**	**30281986**	

DIST. KALAHANDI

REPORT ON HOUSE BUILDING ASSISTANCE DUE TO HEAVY RAIN/FLOOD DURING THE MONTH OF JULY AND AUGUST'2018

Sl. No.	Name of Block	No. of House Fully						No. of House Parcially				No. of Damaged Cattleshed Attached with House	Assistance @ Rs. 2100/- per Shed	Damaged/destroyed hut	Damaged/destroyed hut @ 4100	Total beneficiary	Total Amount
		Pucca House	Kutcha House	Total Col. (5+6)	HB Assistance @Rs. 101900/- per Houses	Clothing @ Rs. 1800/-	Utensils @ 2000/-	Total	Pucca House	HB Assistance @Rs. 5200/- per Houses	Kutcha House	HB Assistance @Rs. 3200/- per Houses						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	**Bhawaniptna**	1	0	1	101900	1800	2000	105700	0	0	319	1020800	0	0	0	0	320	1126500
2	**Kesinga**	0	0	0	0	0	0	0	0	0	496	1587200	4	8400	0	0	500	1595600
3	**Karlamunda**	1	3	4	407600	7200	8000	422800	0	0	8	25600	0	0	0	0	12	448400
4	**M.Rampur**	0	1	1	101900	1800	2000	105700	0	0	41	131200	0	0	2	8200	44	245100
5	**Narla**	0	11	11	1120900	19800	22000	1162700	0	0	468	1497600	0	0	0	0	479	2660300
6	**Lanjigarh**	0	0	0	0	0	0	0	0	0	324	1036800	0	0	0	0	324	1036800
7	**Th. Rampur**	5	29	34	3464600	61200	68000	3593800	23	119600	767	2454400	82	172200	0	0	906	6340000

8	**Junagarh**	0	0	0	0	0	0	0	6	31200	877	2806400	0	0	0	0	883	2837600
9	**Kalampur**	0	0	0	0	0	0	0	5	26000	85	272000	0	0	0	0	90	298000
10	**Jaipatana**	0	2	2	203800	3600	4000	211400	0	0	16	51200	0	0	0	0	18	262600
11	**Koksara**	0	8	8	815200	14400	16000	845600	1	5200	197	630400	2	4200	0	0	208	1485400
12	**Golamunda**	0	0	0	0	0	0	0	4	20800	54	172800	7	14700	0	0	65	208300
13	**Dharmagarh**	2	0	2	203800	4000	3600	211400	0	0	59	188800	0	0	0	0	61	400200
G.Total		**9**	**54**	**63**	**6419700**	**113800**	**125600**	**6659100**	**39**	**202800**	**3711**	**11875200**	**95**	**199500**	**2**	**8200**	**3910**	**18944800**

4.0 Agriculture input subsidy to the farmers affected by drought-2018.

Sl. No.	Name of the Block	No. of GP/ULB affected	No. of village affected	No. of ULB affected	Number of wards affected	Total number of beneficiaries	Area sustained croploss to the extent of 33% to 50% in hec.		Area sustained croploss to the extent of 50% to 66% in hec.		Total Area		Amount of input subsidy entitied		
							Irrigated	Non Irrigated	Irrigated	Non Irrigated	Irrigated	Non Irrigated	Irrigated @13500/ -per hec.	Non Irrigated @6800/-per hec.	Total (13+14)
1	**Jaipatna**	**21**	**62**	**0**	0	8478	0	147	0	5264.24	0	5411.24	0	36796432	36796432
2	**Junagarh**	**18**	**70**	**0**	0	2792	0	929.214	0	10	0	939.214	0	6386655.2	6386655.2
3	**Dharmagarh**	**16**	**36**	**1**	4	8509	153.1	3595	0	0	153.1	3595	2066850	24446000	26512850
4	**Koksara**	**21**	**45**	**0**	0	8443	42	1570.2	59	2156.9	101	3727.1	1363500	25344280	26707780
5	**Golamunda**	**28**	**111**	**0**	**0**	19700	0	4582.52	0	786.14	0	5368.66	0	36506888	36506888
6	**Kalampur**	**4**	**5**	0	0	225	0	0	32.38	94.96	32.38	94.96	437130	645728	1082858
7	**Bhawanipatna**	**28**	**162**	0	0	7182	0	2812.87	0	0	0	2812.87	0	19127516	19127516

Total	**136**	**491**	**1**	**4**	**55329**	**195.1**	**13636.80**	**91.38**	**8312.24**	**286.48**	**21949.044**	**3867480**	**149253499.2**	**153120979.2**

Area affected by Pest attack during Kharif, 2018 in Kalahandi District

Sl. No.	Name of the District	Name of the Block	Number of GPs affected	Number of Villages affected	Number of ULB affected	Number of wards affected	Crop	Total sown Area with damage to crop		Sown Area with % of damage between 33% and 50% to crops		Sown Area with Percentage of damage above 50% to 66 %crops		Sown Area with Percentage of damage above 66% to above.	
								Irrigated	Non Irrigated	Irrigated	Non Irrigated	Irrigated	Non Irrigated	Irrigated	Non Irrigated
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
1	Kalahandi	Junagarh	31	132	1	6	Paddy	1012.18	89.07	1012.18	89.1	0.0	0.0	**0**	**0**
2		Koksara	16	49	0	0	Paddy	383.80	543.2	30.0	89.0	353.8	454.2	**0**	**0**
3		Lanjigarh	8	27	0	0	Paddy	6.1	60.31	6.1	60.31	0.0	0.0	**0**	**0**
4		Jaipatna	19	64	0	0	Paddy	455.6	27.3	0.0	0.0	455.6	27.3	**0**	**0**
5		Dharmagarh	24	76	1	4	Paddy	415.17	599.75	415.17	599.75	0.0	0.0	**0**	**0**
6		**Narla**	**25**	**118**	**0**	**0**	Paddy	**102.5**	**367.4**	**76.19**	**329.19**	**26.31**	**38.25**	0	0
7		**M.Rampur**	**15**	**82**	**0**	**0**	Paddy	**130.4**	**539.0**	**65.0**	**233.2**	**65.4**	**305.8**	0	0
8		Karlamunda	12	60	0	0	Paddy	374.10	77.90	374.10	77.90	0	0	0	0
9		Kalampur	11	32	0	0	Paddy	150.8	8.52	150.8	8.52	0	0	0	0
10		Bhawanipatna	23	108	0	0	Paddy	7.8	691.302	7.8	691.302	0	0	0	0
11		Kesinga	26	101	1	3	Paddy	275.64	999.77	275.64	999.77	0	0	0	0
Total			**210**	**849**	**3**	**13**	**0**	**3314.1**	**4003.56**	**2413.0**	**3178.01**	**901.11**	**825.55**	**0**	**0**

Vulnerability and Risk Assessment related to disasters:

Understanding of current situation, needs and gaps to assess what already exists, avoiding duplication of efforts, and build on existing information and capacities, this is done through a systematic inventory and evaluation of existing risk assessment studies, available data and information, and current institutional framework and capabilities.

- To identify possible hazards, vulnerabilities, exposure and capacity of communities. Hazard assessment to identify the nature, location, intensity and likelihood of major hazards prevailing in a community or society.Toanalyse these and to estimate and assess both the probability of occurrence and the possible potential damage by the present hazards.
- Exposure assessment to identify population and assets at risk and delineate disaster prone areas to identify elements at risk and evaluate the extent of risk by judging their exposure level.
- Vulnerability analysis to determine the capacity (or lack of it) of elements at risk to withstand the given hazard scenarios to identify and study possible weaknesses and gaps in existing protective and adaptive Strategies.
- Risk profiling and evaluation to identify cost-effective risk reduction options in terms of the socio-economic concerns of a society and its capacity for risk reduction to assess the available resources with the community and their capacity to help reduce the risk.
- Formulation or revision of DRR strategies and action plans that include setting priorities, allocating resources (financial or human) and initiating DRR programs to formulate realistic recommendations for measures to overcome weaknesses and reduce the identified and assessed disaster risks and to agree these with those affected.
- To ensure and enhance the feasibility, effect and efficiency of protective measures by working from the risk assessment to:
- Balance various interests in the groups in communities, Consider the reasonability, cost effectiveness and practicality of measuresMake possible social agreements on measures to reduce disaster risks.
- To develop disaster risk reduction and risk management plan by using the findings of hazards, risk, exposure and capacity assessments.
- To develop disaster risk reduction and risk management plan by using the finding.

1. DROUGHT:

Drought is a much debated and less understood terminology. It has many definitions. Meteorologists, Agriculturists, Hydrologists and the Politicians also have their own definitions on drought, thereby making it a more complex phenomenon. But universally it is acknowledged as a situation associated with scarcity of water for a specified period of time. It is not a permanent feature of the climate, rather a situation due to temporary climatic aberration.

Unlike sudden disasters, where the physical intensity is enormous and structural damage is colossal, drought is a slow unset natural hazard having a wider geographical coverage, longer time duration and affecting a large group of population. Its impacts are non-structural, cumulative and very difficult to quantify and no single indicator can identify its unset, end and severity.

TYPES OF DROUGHT:

There are basically three types of drought like, Meteorological, Agricultural, and Hydrological

a. Meteorological Drought: It is an event when the rainfall is less than 75 percent of its long-term average value received over an area. It is further classified as **moderate drought**, if the rainfall deficit is between 26-50 pc and **severe drought** when the deficits exceed 50 pc of the normal rainfall. Hence the meteorological drought is declared on the basis of amount of rainfall only.

b. Agricultural Drought: When the Soil system is unable to provide the amount of moisture required by the crop for its growth and development during its growth cycle. So simply it is a situation when rainfall and soil moisture are inadequate to meet the water requirement of the crops.

There are three categories of agricultural drought like

- ***Early Season Drought*:**It occurs due to delay in the unset of monsoon rain or long dry spell immediately after sowing. So the consequence is either widespread fallow of agricultural land or seedling drought.
- *Mid SeasonDrought:***It occurs due to breaks in the monsoon rain or dry spell during the critical growth stages of crop.**
- ***Late Season/Terminal Drought*:** It occurs due to the early withdrawal of the monsoon resulting in severe water stress condition during the reproductive stage of the crops.

Hence, agricultural drought is taking into account both the amount and distribution of rainfall.

c. **Hydrological Drought:** When there is a drastic reduction in the Surface, Sub surface and Ground water resources below a specific level for a given period of time. It may be the situation due to severe meteorological drought or over exploitation of ground water resources or some geological disturbances.

CASUES OF DROUGHT:

The major causes of drought are:

- Failure of monsoon/Inadequate rainfall
- Erratic behavior of monsoon

- Inadequate water conservation measures
- Over exploitation of Surface and Ground water
- Poor water management practices at household and farm level
- Meager irrigation facility
- Shifting of agricultural practices (low water intensive crops/varieties to high water intensive crops/varieties
- Degradation of rich natural resource base
- Receding of indigenous know how

INDICATORS OF DROUGHT:

Meteorological Drought

- Inadequate rainfall, decrease in total number of rainy days
- Long dry spell

Hydrological Drought

- . Depletion of surface and sub surface water resources (Drying up of tanks, reservoirs, lakes, rivers etc.)
- Lowering of the ground water table (Drying up of wells, tube wells)

Agricultural Drought

- Decrease in soil moisture (run off, seepage, evaporation and transpiration)

Wilting of crops.

- Poor growth/failure of crop and fodder

FACTORS AFFECTING THE SEVERITY OF DROUGHT:

- Location/Topography of land
- Moisture retention capacity of soil
- Timelines/distribution of rainfall
- State of Natural resource base
- Proportion of irrigated agriculture
- Adaptive behavior of farmers
- Livelihood options of the locality

IMPACTS OF DROUGHT:

a. Physical & Bio-Physical

- Scarcity of water for drinking, domestic and irrigation purpose
- Reduced flow/complete drying up of perennial or seasonal water source
- Depletion of ground water level
- Decrease of water quality and incidence of water borne diseases

- Land degradation
- Deforestation and reduced tree growth
- Decline of crop production and damage to crop quality
- Scarcity of fodder, Livestock disease and death
- Damage to ecological habitat
- Extinction of endangered species and loss of bio-diversity

b. Socio-economic

- Loss of livelihood and employment opportunity
- Increased price of food, fodder and other essential commodities
- Distress sale of household assets
- Large scale migration in search of alternative livelihood
- Reduced food intake, intake of less preferred and non food items and malnutrition
- Increased physical and mental stress and loss of human life
- Increased inequality among social groups
- Increased social conflicts
- Loss of education.

DROUGHT IN KALAHANDI:

Kalahandi hits the headlines in newspapers for the repeated drought situation that has broken the economic backbone of the cultivators. A long history of drought covering more than a century in Kalahandi has occurred. Drought had occurred in Kalahandi in 1868, 1884 and 1897. The famine of 1899 is otherwise known as **ChhapanSalarDurbhikshya**. The effect of the famine, according to the District Gazetteers, was of a magnitude unprecedented in any previous famine. This famine left a terrible socio-economic gloom in this area. In 1919-1920 another drought occurred followed by cholera, influenza and malnutrition due to lack of foodstuff. A series of drought in 1922-1923, 1925-1926, 1929-1930 1954-1955 and 1955-56 occurred in Kalahandi.

The terrible drought of 1965-66, which occurred in Kalahandi, totally broke down the economic backbone of the people. Due to lack of rain, three-fourth crop production failed. The effect of the drought continued to be felt in 1967. As regards this drought, the following description from the District Gazetteers is worth quoting. “The bulk of the population which constituted the landless agricultural laborers became unemployed due to suspension of all sorts of agricultural operations. The worst sufferers were not the landed gentry, who, because of the drought, could not reap a harvest nor could they take to manual labour to which they were not accustomed. The pastures lost the greenery and the bovine population therefore was equally starved. Everywhere there was an acute shortage of water.”

Besides a long history of drought, the socio-economic traditions following in the society are the main cause behind the class distinction among the people of Kalahandi. The fact that the agricultural products the rural Kalahandi are being controlled by the urban businessmen is one of the causes of social class distinction. Moreover the customs of loan and mortgage current in the society are the major sources of exploitation. Certain

forms of mortgage like Bandha, Kalantaria, Bandhasaheji, and Katti, and that of labour systems like goti, halia (annual servant, bahabandha and Kalibhuti, thika) etc. have debacle the normal way of peasant life. Along with the drought the problems such as rural unemployment, non-industrialization, growth of population and rapid deforestation are some of the major problems of Kalahandi. Hence being gripped both by nature and men, the rural inhabitant of Kalahandi has found no other way of survival. As a result either he has migrated from his motherland

More than 70 percent 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. The inter play of climatic and non-climatic factors is becoming more and more complex, there by intensifying the impact of drought. Persistent drought highlights the need to develop an appropriate management strategy to reduce the vulnerability of the community of this region to drought.

SUGGESTED MEASURES TO REDUCE THE IMPACT OF DROUGHT (DROUGHT RISK MANAGEMENT):

Due to the global climate change, the irregularities in rainfall, temperature, humidity etc. will be more frequent in the coming years resulting in wide spread and severe drought like situations. Poor natural resource base, huge population pressure and less adaptive capacity will make the community more and more vulnerable to the natural hazards.

The disastrous effects of drought cannot be eliminated but the miseries can be minimised to a reasonable extent by the adoption of appropriate management practices. The present drought management strategies basically focus on the relief and reconstruction measures i.e. crisis management. This approach has been ineffective because response is untimely, poorly coordinated and poorly targeted to drought affected groups or areas, hence often increasing the societal vulnerability to drought. But to make a region complete drought proof, there should be a paradigm shift from crisis management to risk management. The components of Drought Risk management are Drought Preparedness, Drought Response, Drought mitigation and Drought Prediction (Early Warning).

A) Drought Preparedness: The following sector wise drought preparedness measures may be adopted before any drought like situation to reduce its impact.

B)Drought Response: It is a set of activities to be undertaken by the community, CBOs and the Govt. departments during the drought situation to save the lives and livelihood of the vulnerable population.

C) Drought Mitigation: These are the activities to be adopted to reduce the long-term drought risks by using a wide range of tools. These tools include asset creation, planning, institution building, local capacity building and supportive policy framework.

D)Drought Prediction/Early warning: It is one of the most important components of risk management often neglected by the implementers and planners. It helps in the development of a well

informed and better prepared community to face any disaster situation. Lot of research and effective extension is highly required to develop a people friendly and usable early warning system for reducing the impact of drought.

2. Flash Flood:

The Hati, a large tributary of the Tel, rises in the high hill ranges of Jaipatna and joins the Tel about 12 kms. North of Junagarh. The District has faced 7 times flash flood situation during last 10 years and subjected to damage to the property, crop loss and casuality.

Flooding that begins within 6 hours, and often within 3 hours, of the heavy rainfall (or other cause).

A **flash flood** is a rapid **flooding** of geomorphic low-lying areas: washes, rivers, dry lakes and basins. It may be caused by heavy rain associated with a severe thunderstorm, hurricane, tropical storm, or meltwater from ice or snow flowing over ice sheets or snowfields. Flash Floods can be caused by a number of things, but is most often due to extremely heavy rainfall from thunderstorms. Flash Floods can occur due to Dam or Levee Breaks, and/or Mudslides (Debris Flow). The intensity of the rainfall, the location and distribution of the rainfall, the land use and topography, vegetation types and growth/density, soil type, and soil water-content all determine just how quickly the Flash Flooding may occur, and influence where it may occur.Urban Areas are also prone to flooding in short time-spans and, sometimes, rainfall (from the same storm) over an urban area will cause flooding faster and more-severe than in the suburbs or countryside. The impervious surfaces in the urban areas do not allow water to infiltrate the ground, and the water runs off to the low spots very quickly. Flash Flooding occurs so quickly that people are caught off-guard. Their situation may become dangerous if they encounter high, fast-moving water while traveling. If people are at their homes or businesses, the water may rise quickly and trap them, or cause damage to the property without them having a chance to protect the property.

A **flash flood warning** (SAME code: FFW) is issued when a **flash flood** is imminent or occurring in the warned area. A **flash flood** is a sudden, violent **flood** after a heavy rain, or occasionally after a dam break. Rainfall intensity and duration, topography, soil conditions, and ground cover contribute to **flash flooding**.

Causes:

Floods are caused by many things. One cause of a flood is when water exceeds the capacity of the area it is in; thus causing it to overflow outside the waters boundary. Another cause is the amount of rain that a certain area of land gets. When too much water has rained over a certain area, sewers start getting flooded, creating a backup and water starts to flow on streets. One more way of flooding is when dams break. Massive dams that hold water back prevent flooding. When the gate breaks, the water flows out of it and creates a flood.

Climates and environments have a lot to do with flooding also. A higher altitude might be exposed to more rain than a lower altitude. Also a damper, wetter climate creates it more susceptible for rain, which causes it to flood (flash flood) more frequently than a hot and dry climate. Hurricanes also effect floods to. When a hurricane reaches land, there is an enormous amount of water that is carried along with it. This water dumped on land and as water levels rise, flooding is created.

Effects:

The effects of floods are devastating. Many times floods can destroy everything. Houses can be torn off their foundation because the water has made its structure weaker, tar can be been pulled off road causing major pot holes, earth can be sunken in creating a different landscape, tons of trees have the possibility of being ripped out. To see the effects after a flood is not a pretty site. Water has to be pumped out of flooded civilian areas.

Another thing that floods effect is the environmental and economical situations. When floods occur, there is a large amount of water that runs over the ground. Loose soil, rocks, and landscape can be dramatically altered, leaving behind a rugged, changed terrain. Loose soil can create mud slides, which create hazardous situations for living things nearby. The economy after the flood can be one of the greatest effected. Billions of dollars have been donated by a countries government to rebuild and payback what was lost. Many times these things include houses, roads, buildings, cars, schools, etc. Another thing that people loose in the event of floods is their jobs; consequently, after water damaging buildings and such, businesses can be run down, bankrupt and even, in existent. This causes lots of people to be jobless, which in effect, creates no way of paying for daily needs.

During floods, humans can lose so much. One of the most dangerous things a person could lose would be their life. If a person gets caught in a flood and is swept away, they have the risk of drowning in the water. Many times people die not only from the flood itself; but the effects after the flood such as starvation, hazardous objects floating in the water, and much more. Because of the water, it is harder for medical services to help civilians. The people rely on the aid workers to bring refugees food; consequently, if the aid workers have a hard time getting through the water, many families starve to death.

Floods are part of everyday lives. They are caused by too much rain, hurricanes, breaking of dams, etc. Many times the effects are devastating. The environment and economy are destroyed, land is washed away, houses are destroyed, and peoples lives are changed forever.

Measures that must be taken to prevent more flooding in the future

In general, the flood management measures that are being used in India can be broadly classified into engineering or structural measures and administrative or non-structural measures. The engineering measures comprise the following:

- Reservoirs
- Drainage improvement
- Embankments
- Diversion of flood waters
- Channelization of rivers
- Watershed management
- Channel improvement

The administrative measures can be broken up into flood plain zoning and flood proofing. The CWC also performs the responsibility of forecasting floods through the CWC National Flood Forecasting Network.

How to Minimize the Impact of Floods?

The civic bodies have a major role to play when it comes to minimizing the effect of floods, especially in areas that are known to be vulnerable to flooding. The first thing that needs to be done is to identify how often floods take place in the area and based on that flood risks are either done away with or lessened to the highest extent possible. Infrastructure such as retarding basins and storm water drains need to be developed and updated on a consistent basis in order to deal with the after effects of floods in a better way.

There should be proper models for assessing possibilities of rise in water level and good coastal development programmes. These need to be assessed on a regular basis as well. There should be river level and rainfall gauges that can help in predicting major floods.

1. Introduction of better flood warning systems

The "improve our flood warning systems", giving people more time to take action during flooding, potentially saving lives, the deputy chief executive of the Environment Agency, David Rooke, said. Advance warning and pre-planning can significantly reduce the impact from flooding.

2. Modify homes and businesses to help them withstand floods

The focus should be on “flood resilience” rather than defence schemes. The concreting floors and replacing materials such as MDF and plasterboard with more robust alternatives. Increases the havoc of flooding. Waterproofing homes and businesses and moving electric sockets higher up the walls to increase resilience.

3. Construct buildings above flood levels

Construction of building in the flood prone area should be one metre from the ground to prevent flood damage, conventional defences had to be supplemented with more innovative methods to lower the risk of future disasters.

4.Tackle climate change.

5. Increase spending on flood defences

6. Protect wetlands and introduce plant trees strategically

The creation of more wetlands – which can act as sponges, soaking up moisture – and wooded areas can slow down waters when rivers overflow. These areas are often destroyed to make room for agriculture and development.Halting deforestation and wetland drainage, reforesting upstream areas and restoring damaged wetlands could significantly reduce the impact of climate change on flooding.

7. Restore rivers to their natural courses

Many river channels have been historically straightened to improve navigability. Remeandering straightened rivers by introducing their bends once more increases their length and can delay the flood flow and reduce the impact of the flooding downstream.

8. Introducing water storage areas
9. Improve soil conditions

Inappropriate soil management, machinery and animal hooves can cause soil to become compacted so that instead of absorbing moisture, holding it and slowly letting it go, water runs off it immediately. Well drained soil can absorb huge quantities of rainwater, preventing it from running into rivers.

10. Put up more flood barriers

The Environment Agency uses a range of temporary or "demountable" defences in at-risk areas. These can be removed completely when waters recede. Temporary barriers can also be added to permanent flood defences, such as raised embankments, increasing the level of protection. "As the threat and frequency of flood risk increases, the use of passive flood defence has to be the only realistic long term solution".

Flood Vulnerable Villages of the district in general

List of Flood Vulnerable Villages under Blocks of Kalahandi District.			
Sl. No	**Name of the Block**	**No. of G.Ps**	**No of villages**
1	Lanjigarh	12	35
2	Jaipatna	21	38
3	Narla	2	2
4	Dharamgarh	9	17
5	Karlamunda	3	6
6	Golamunda	10	17
7	Kesinga	7	11
8	Kalampur	11	24
9	Th.Rampur	13	77
10	Junagarh	7	12
11	M.Rampur	7	62
12	Koksara	3	5
13	Bhawanipatna	4	54
	Total	**109**	**360**

Detail list of Villages in Volume II Page no 6-22(Added with River bed villages and flood vulnerability villages in the district)

Table No. 08: Causing agent wise flood vulnerable areas of the district:

Water level at danger mark in respect of different stations Year wise.

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	Tel	1	3	12	13452	5436	2621	21	1	13.11
3	Hati	4	5	21	6342	2379	1815	14	0	7.47
4	Udanti	1	2	4	3052	1256	1384	8	0	13.82
5	Tel Right at Mankarsola	1	1	3	2	1752	567	13	0	11.8
6	Tel Right at Kandulguda	2	1	2	4	978	432	8	1	14.5
7	Tel Right at Kesinga Town	1	2	3	4	658	534	7	0	16.9

Sl No	Name of the River	Name of the Station	Zero Value of Gauge in Mtr	Danger Level in Mtr	Highest flood level in Mtr	Highest flood Level of July,2006 in Mtr	Highest flood Level of July,2008 in Mtr	Highest flood Level of 2011 in Mtr	Highest flood Level of 2013 inMtr	Highest flood Level of 2018inMtr
01	02	03	04	05	06	07	08	09	10	11
01	Tel	Mankarsola	198.75	208.00	208.65	207.65 On 04.07.2006	205.55 On 18.09.2008	202.65 On 23.09.2011	205.45 On 25.06.2013	202.45 On 15.08.2018
02	Tel	Kesinga Rly Bridge	169.00	176.85	178.10 On 18.09.2008	178.49 On 04.07.2006	173.20 On 11.08.2008	170.40 On 23.09.20011	173.50 On 25.06.2013	169.00 On 16.08.20148
03	Hati	Junagarh	203.53	209.57	210.51	209.33 On 04.07.2006	207.93 On 18.09.2008	206.53 On 21.09.2011	209.23 On 25.06.2013	202.23 On 15.08.2018
04	Udanti	Later	206.96	211.10						206.90 On

										16.08.2018

Sl No	Name of the River Embankments	Location	District	Block	Length
01	02	03	04	05	06
01	Tel Right at Mankarsola	Mankarsola	Kalahandi	Junagarh	2.650 Km.
02	Tel Right at Kandulguda	Kandulguda	Kalahandi	Junagarh	0.120 Km
03	Tel Right at Kesinga Town	Kesinga	Kalahandi	Kesinga	0.350 Km
				Total =	3.120 Km

Table No. 09: **Agriculture and Flood Vulnerability**

Table No. 09: 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	Bhawanipatna	20959	28041	250	8
2	Kesinga	9990	19540	200	3
3	Th.Rampur	4110	12937	610	90
	Total Bh.Patna	**35059**	**60518**	**1060**	**101**
4	Narla	13932	17688	52	4
5	M.Rampur	8570	13817	0	0
6	Karlamunda	7800	7030	0	0
7	Lanigarh	4323	18332	0	0
	Total Narla	**34625**	**56867**	**52**	**4**
8	Dh.garh	22950	10850	60	8
11	Koksara	20927	16743	30	3

13	Golamunda	24695	16105	160	6
	Total Dh.garh	**68572**	**43698**	**250**	**17**
9	Junagarh	26503	14057	420	4
10	Jaipatna	19617	9705	25	2
12	Kalampur	9181	5319	30	3
	Total Junagarh	**55301**	**29081**	**475**	**9**
	G.Total	**193557**	**190164**	**1837**	**131**

Table No. 10 :**Electrical Infrastructure in the Flood Prone Area**

Sl. No.	Name of the Block/ ULB	No. of 33/11 KV Substations	No. of Distributing Transformers			Conductor / Electrical lines-11 KV or less (length in Kms.)	No. of Poles	No. of High Tension Towers	High Tension lines above 11 KV (length in Kms.)
			11 KV or Less	11 KV < and <60KV	6o KV and above				
1	Bhawanipatna	Naktiguda, Bhangabari&Borda	207	431	331	1586.57	26024	NIL	64.2
2	Kesinga	Kesinga, Utkela	46	184	210	944.2	13808	NIL	45

Table No.11 :**Drinking water and Flood Vulnerability:**

Sl. No.	Name of the Block/ ULB	Total No. of Tube Wells	No. of Tube Wells with raised platforms	No. Sanitary Wells	PWS Schemes				Other Drinking Water Sources If any
					Total No.	Length in Mtrs.	No. of Over Head tanks	No. of Stand Points	
1	Bhawanipatna	2306	65	2371	-	28	-	-	-
2	Dharamgarh	1257	21	1278	-	12	-	-	-
3	Golamunda	1763	31	1794	-	16	-	-	-
4	Jaipatna	1339	145	1484	-	2	-	-	-
5	Kesinga	1545	3	1548	-	23	-	-	-
5	Junagarh	1794	13	1807	-	19	-	-	-

Events/ Festivals/ Functions organized in the district where mass gathering occurs:

Table No. 12

Sl. No.	Name of the District	Events indicating the name of the Festivals / Functions being Organized by the District, where Mass Public Gathering occurs	Month	Strength of Population of gathering (Approx.)	Remarks
1	2	3	4	5	6
01	Kalahandi	Kalahandi Utsav Ghumura at Bhawanipatna, Kalahandi (District Level-04days)	January	50,000 each day	
02	Kalahandi	Kalahandi Utsav Ghumura at Dharamgarh, Kalahandi (Sub-Divisional Level-03days)	January	30,000 each day	
03	Kalahandi	Kalahandi Utsav Ghumura at Junagarh, Kalahandi (Block Level)	January	20,000	
04	Kalahandi	Makar Mela at Kusurla (3days)	January	25,000	
05	Kalahandi	Republic Day Celebration (January 26)	January	5,000	
06	Kalahandi	PARJA- A Tribal Festival at Perumanji, Th.Rampur	February / March	10,000	
07	Kalahandi	BudhaDongar Lok Mahotsav at Kesinga	February / March	10,000	
08	Kalahandi	Mahasibaratra at Belkhandi (Kesinga Block)	February March	15,000	
09	Kalahandi	Mahasibaratra Mela at Dadpur (Bhawanipatna Block)	February / March	15,000	
10	Kalahandi	Ramlila Mahotsav (Shree Ram Nabami) at M.Rampur	April	15,000	
11	Kalahandi	Car Festival & Bhajan Samaroh (09days) at Bhawanipatna	June / July	10,000	
12	Kalahandi	Independence Day Celebration (August 15)	August	10,000	
13	Kalahandi	JhanjiMada Yatra at Lanjigarh	September	15,000	
14	Kalahandi	Chhatar Yatra (Dushahara)	October	1,00,000 (Aprox.)	
15	Kalahandi	Dushahara at Talgud, Mukhiguda (Jaipatna Block)	October	20,000	
16	Kalahandi	BudharajaDushera, Ampani (Koksara Block)	October	20,000	
17	Kalahandi	Khandabasa at Junagarh	September / October	10,000	
18	Kalahandi	Dushahara Festival at Th.Rampur	October	30,000	
19	Kalahandi	PhutaDhol Lok Utsav at Bhangabari(Bhawanipatna Block)	December	5,000	

20	Kalahandi	Rendomajhi Jayanti at Urladani	December	5,000	

Boat operation points:

Table No. 13:

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	Kalampur	-	Hati River, Kamal river	5	255		5
2	Junagarh	-	Hati River, Tel river, Sagada	4	280		7
3	Th.Rampur	-	Indrabati, Nagabali, Sagada, ,Balijore, Petphula	3	120	2	8
4	M. Rampur	-	Rahul, Budhanadi	3	75	1	1
5	Golamunda	-	Udanti, Tel	4	350	-	4
6	Kesinga	--	Tel, Ret	2	50	-	1
7	Karlamunda	-	Utei, Tel	2	70	-	3
8	Jaipatna	-	Gaipher, Kamal	2	55	-	1
			Total	25	1255	3	30

As per reported by BDOs and GPOs of Kalahandi District.

NO. of Boats on Private/ Country/ITDA/SRC/ details of availablity in Kalahandi Dsitrict							
Sl. No	Name of the Block	Name of the GP/Village	Ghats Starting Point and ending Point	Private/Country /Govt/SRC/Boats	Owners name of	Registered or Not	Remarks
1	Jaipatna	Sindhikaguda/Dhamanguda	Dhamanguda to Sindhikaguda	Private	Balabhadra Dh.Majhi	Not	
2	Golamunda	Uchhala	Uchhala to TentulipadaGhat (Tel NadiGhat)	Private	Tanka Kumar	Not	
		Uchhala	Uchhala to Pandigaon (Tel NadiGhat)	Private	Manoraj Bag	Not	
		Badchergaon	Badchergaon to Temra (Tel NadiGhat)	Private	Bhuja Bag	Not	
		Badchergaon	Gundri to Bileikuni (Tel NadiGhat)	Private	Muni Das Kata	Not	

3	Kesinga	Belkhandi	Kaansar(Bolangir) to Belkhandi Siva temple	Private	GouraGahir	Not	
4	Kalampur	Bankapala/Deypur	Bankapala to KH. Dangriguda	Private	Bhapendra Bag	not	
		Paruaguda/Haramal	Paruaguda/Panigaon	Private	Lakhiram Majhi	not	
		Temra/Bandhakana	Temra to Darlipada	Private	PitabasSabar	Not	
		Barchhi/Badkutru	barchhi to Tentulikhunti	Private	Kesaba Rana	Not	
		Kh. Dangriguda/Kotagaon	Kh. Dangriguda to Bankapala	Private	Gunchan Majhi	Not	
5	Th.Rampur	Mahulpatna/Podapadar	Mahulpatna to Kanasukli, Talnagi, Benakhamar	Govt (ITDA)	GP (2 nos boat provided by ITDA)	Registred	
	Th.Rampur	Gopinathpur	Sikatuji	Private	KrutibasJuad	Not	
		Gopinathpur	Sikatuji	Private	PurandharJhudia	Not	
		Maligaon	Kanasukli	Private	BuduGonda	Not	
		Maligaon	ChaptaGhat	Private	Hari Chandra Kumar	Not	
		Podapadar	Ghutrukhal	Private	Jala Majhi	Not	
		Podapadar	Karbadi	Private	Bharirab Majhi	Not	
		Talnagi	Luthguda	Private	Bhima Gouda	Not	
		Talnagi	Podaghat	Private	Baru Majhi	Not	
6	Karlamunda	Pourkela	From kundeipalighat to kukedmal	Private	Thabira naik	Not	
		Pourkela	Kundeipalighat to Kukedmal	Private	KabirajGahir	Not	
		Pourkela	Pourkelaghat to Tandigaon	Private	Netra Dandasena	Not	
7	Junagarh	Budel, GP-Maliguda	Budelghat	Private	Nepal Chandi S/o-DaityaChandi	Not	
		Chiliguda, GP-Mundraguda	Chiligudaghat	Private	Bijaya Majhi S/o- Kartika Majhi	Not	
		Chikli GP-Goudchhendia	ChikliGhat	Private	Jugal Bhoi, S/o-Chandra	Not	
		Goudchhendia GP-Goudchhendia	Goudchhendia	Private	Ganga Majhi S/o-Bipra	Not	

		Chilakpur GP-Dasigaon	Chilakpurghat	Private	SakaramKaibarta S/o-Bhujaram	Not	
		Koten GP-Banijara	Kotenghat	Private	Sudam Naik S/o-prasanna	Not	
		Banijara GP-Banijara	Banijaraghat	Private	GadaChandi S/o-Sriram	Not	
8	M. Rampur	Urladani/ Sankush	Sankush to Sankush	Private	Simara Majhi	Not	
	M. Rampur	Urladani	Urladani	Govt	Govt. Boat	Registred	

Reported by BDOs, Kalahandi

Lightning:

Table No. 15-

INFORMATION ON LIGHTNING FROM 2015-16 TO 2018-19.						
Sl.No	Name of the Block/ULB	Lightning hit in last 5 Years		No. of Lightning Events	No. Fatality/ Death.	Injured Persons
		No. of GPs	No. of Villages Wards			
1	Lanjigarh	1	1	1	1	0
2	Jaipatna	3	3	3	3	0
3	Narla	3	3	3	3	0
4	M.Rampur	3	3	3	3	0
5	Kesinga	9	9	9	8	1
6	Golamunda	4	4	4	4	0
7	Dharamgarh	3	3	3	3	0
8	Koksara	4	4	4	4	0
9	Kalahandi	2	2	2	2	0
10	Junagarh	2	2	2	2	0
11	Karlamunda	5	5	5	4	1
12	Kalampur	4	4	4	4	0
13	Th.Rampur	6	6	6	6	0
TOTAL		**49**	**49**	**49**	**47**	**2**

Major Industrial Establishments/ Chemical & Other hazardous material storage points:

Table No. 16-

Sl. No.	Name & location of the Industry/ Stora	Department/ Ownership	Name of hazardous materials stored	Quantity	Total no. of workers in the establishment	No. of adjacent Villages / Habitations within 2	Susceptible Population	House	Vulnerable Infrastructure		
									School Buildings & AWC	Hospitals	ther Critical Infra.

	ge point					Kms. Radius					
1	Lanji garh	Private	Allumi nium	-	35	5	1790	-	-	1	-

Table No.- 17

Sl. No.	Name of the Block	Average Annual Rain Fall (in MM)	Ground Water Level		Cultivated Area (In Hectares)				
					Paddy		Non- Paddy		Total
			April	August	Rain fed Area	Irrigated area	Rain fed Area	Irrigated area	
1	Bh.Patna	1289.8	8.72	3.58	6749	5674	6497	1113	20033
2	Kesinga	1338.6	6.83	4.45	9941	2457	9706	234	22338
3	Th.Rampur	1289.8	4.94	3.59	12306	5432	15178	595	33511
4	Narla	1327.5	4.35	4.30	6685	2354	9528	1077	19644
5	M.Rampur	1365.7	3.75	2.00	7382	5463	9538	1072	23455
6	Karlamunda	1291.0	5.55	2.82	3684	2796	5748	853	13081
7	Lanjigarh	1289.8	6.51	3.86	9380	3750	9254	786	23170
8	Dh.garh	1287.0	5.22	3.05	7750	2520	6574	864	17708
9	Koksara	1323.5	4.05	3.40	12765	1852	10843	204	25664
10	Golamunda	1289.8	5.50	3.00	18659	3055	6593	537	28844
11	Junagarh	1183.2	3.51	2.37	14333	2444	6679	562	24018
12	Jaipatna	1204.2	4.50	2.35	8139	2976	9477	220	20812
13	Kalampur	1379.1	7.05	4.45	12415	3883	8445	267	25010

Table No. 18: Drought Vulnerability.

Sl. No.	Name of the Block	Total Area (in Hectares.)	Cultivable Area	Net Sown Area	Irrigated Area	Natural Calamity
1	Bh.Patna	142959	49654	49000	14606	Drought
2	Kesinga	42120	31851	29530	15324	

3	Th.Rampur	72400	17266	17047	3598	
4	Narla	49088	31887	31620	12756	
5	M.Rampur	65206	22940	22387	9239	
6	Karlamunda	21669	14887	14830	12311	
7	Lanjigarh	121681	23907	22655	6626	
8	Dh.garh	41826	33877	33800	25593	
9	Koksara	42323	37912	37670	9862	
10	Golamunda	70226	41541	40800	17038	
11	Junagarh	67245	41908	40560	39560	
12	Jaipatna	38630	29808	29322	18310	
13	Kalampur	16627	14562	14500	11859	
	Total	792000	392000	383721	196682	

Drinking Water Crisis:

Table No. 19:

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 any
		No. of Villages / Wards	Population	No. of Villages / Wards	Population	No. of Villages / Wards	Population	
1	2	3	4	5	6	7	8	9
1	Bhawanipatna							
2	Dharamgarh							
3	Golamunda					50		
4	Jaipatna	3		3				
5	Junagarh					2		
6	Kalampur							
7	Karlamunda							
8	Kesinga							
9	Koksara							

10	Lanjigarh							
11	M.Rampur					1		
12	Narla							
13	Th.Rampur							
	Total	**3**		**3**		**53**		

[Block wise village list is at Table No. 3.2 of Volume II of the DDMP]

1. Railway Line Exposed different Hazards:

Table No. 20-

Sl. No.	Hazard	Length of Railway line exposed(in Km.)	Location
1	Flood	**NA**	**NA**
2	Land Slide	**NA**	**NA**
3	Storm Surge	**NA**	**NA**
4	Tsunami	**NA**	**NA**

Road Accidents:

Sl. No.	**Stretch of Road (From - to)**	**Black Spot Name**	**Length in Kms.**	**No. of Traffic Congestion Areas**	**No. of Accident Prone Areas**	**No. of villages/ habitations adjacent to accident prone areas**
1	Jolko to Kesinga, NH26	Jolko	1	1	1	2
2	Jaring to Junagarh, NH26	Jaring	5	2	2	5
3	Boringpadar to Kesinga,NH 26	Boringpadar	2	1	1	2
4	Utkela to Kesinga, NH 26	Utkela	3	2	2	1
5	Chancher to Kesinga, NH 26	Gaigaon	1	1	1	1
6	Chancher to Kesinga, NH 26	Chancher	1	1	1	2
7	Pasticui Road Junction, NH 26	Pasticui Road Junction	2	1	2	1
8	Baldiamal Chowk near Junagarh,NH 26	Baldiamal Chowk	3	3	3	3

9	Moter Chowk, NH 26	Moter Chowk	2	1	1	3
10	Kesinga to Amath, NH 26	Amath	2	1	1	1
11	Badli to Kutrukhamar, NH 26	Badli to Kutrukhamar,	5	3	3	3
12	NH 9-Kendughati near M. Rampur	Kendughati	3	1	3	4
13	Banamalipur near Junagarh, NH26	Banmalipur	3	3	3	3
14	Bandopala chowk near Bhawanipatna, NH26	Bandopala	1	1	1	2
15	Kumbharguda to Salepada, NH26	Kumbharguda	2	1	2	2
16	Chatiguda to PWD Bonglow, SH	Chatiguda to PWD Bonglow	1	3	3	3
17	Banner to Joipatna	Khalibhata wine depot, SH	1	1	2	3
18	Kallopala chowk to KallopalaDhaba point, NH 26	Kalopalla chowk	2	2	2	2
19	Junagarh to Mahichala, NH 26	Mathura Dhaba	2	2	2	3
20	Kaudola to AmpaniGhatiBoardor(otmaraGhati), NH 26	OtmaraGhati	7	2	7	5

Population Requiring Special Care:

Table No: 22-

Sl. No.	Block	No. of Persons covered under Old Age Pension Schemes		No. of Persons Covered under Widow Pension	No. of Persons covered under Disability Pension	
		Male	Female	Female	Male	Female

1	Bhawanipatna	2842	2781	2203	83	82
2	Kesinga	2322	1651	1506	101	97
3	Karlamunda	1173	847	771	45	37
4	M.Rampur	1940	955	1350	150	113
5	Narla	2429	1896	1778	154	148
6	Lanjigarh	1717	1850	1618	200	143
7	Th.Rampur	1140	1784	1655	98	95
8	Junagarh	3423	2259	2251	139	108
9	Dharamgarh	2157	2336	1785	142	113
10	Kalampur	1636	675	730	26	22
11	Koksara	2624	1803	1750	82	70
12	Jaipatna	2073	2541	1734	122	109
13	Golamunda	2544	2243	1869	136	105
	Total	**28020**	**23621**	**21000**	**1478**	**1242**

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.

4.2 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 forests, finance (expenditure), health, power, rural development, science and technology, space, telecommunication,

urban development, water resources and chief of the integrated defence staff of the chief of staffs are other members of NEC.

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 0-1 Location of National Disaster Response Forces

Sl No.	Battalion, Location	State	Manpower 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	assam01-ndrf@nic.in
2	02 Bn, NDRF, Kolkata	West Bengal	BSF	Sh. NitishUpadhyay	033-25875032	9434742836	033-25875032	wb02-ndrf@nic.in
3	03 Bn, NDRF, Munduli	Odisha	CISF	Sh. M.K.Yadav	0671-2879711	9439103170	0671-2879711	ori03-ndrf@nic.in
4	04 Bn, NDRF, Arakkonam	Tamil Nadu	CISF	Ms.RekhaNambiyar	04177-246594	9442105169	04177-246594	tn04-ndrf@nic.in
5	05 Bn, NDRF, Pune	Maharashtra	CRPF	Sh. AnupamSrivastava	02114-247008	9423506765	02114-247000	rb-5th@cisf.gov.in

6	06 Bn, NDRF, Gandhinagar	Gujrat	CRPF	Sh.R.SJoon	079-23201551	9428826445	079-23201551	guj06-ndrf@nic.in
7	07 Bn, NDRF, Ghaziabad	Uttar Pradesh	ITBP	--	0164 - 2246570		0164-2246193	pun07-ndrf@nic.in
8	08 Bn, NDRF, Bhatinda	Punjab	ITBP	Sh. P.K.Srivastava	0120 - 27666012	9968610014	0120-2766618	up08-ndrf@nic.in
9	09,Bn,NDRF, Patna	Bihar	BSF	Shri Vijay Sinha	06115-253939	7762884444	06115-253939	patna-ndrf@nic.in
10	10 Bn, NDRF, Vijayawada	Andhra Pradesh	CRPF	Sh. Parshant Dar	0863-2293050	7382299621	0863-229305 0	rb-10th@cisf.gov.in
11	11Bn,NDRF, Varanasi	Uttar Pradesh	SSB	Sh. A.K.Singh	0542 - 2501101	9455511107	0542-2501101	up-11ndrf@gov.in
12	12 Bn, NDRF, Itanagar	Arunachal Pradesh	SSB	Sh. AngomKiran Chand Singh	03621-242940	9485236141	0360-2277106	bn12.ndrf@gov.in

4.4 State Disaster Management Authority (SDMA)

The State Disaster Management Authorities (SDMA) has to be constituted by every state governme nt under the sub-section (1) & (2) of section 14 of
Disaster Management Act 2005.The 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 mitigati on and preparedness measures.
d) Review the developmental plans of different departments of the State to ensure the integratio n 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.

4.5 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 SDMAs 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.

4.6 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 0-2 Location of Odisha Disaster Rapid Action Force

Unit	Contact Details of designated Officer	Mobile/ Phone No.	Email ID
Cuttack (OSAP 6th Battalion)	Shri LingarajParida, OPS Commandant	98610-39267 (M) 0671-2442148 (O) 0671- 2442442 (R)	comdt6thbn.orpol@nic.in

	I/C ODRAF: Dy Sub Sk.R.Tulla Writer: K.B.Panda	94385 -03808 (M) 94385-82460 (M)	
Jharsuguda (OSAP 2nd Battalion)	Md. Zaheed, OPS Commandant	94371-76264 (M) 06645-270096 (O) 06645-270038 (R)	comdt2ndbn.orpol@nic.in
	I/C ODRAF: Dy Sub C.Rana Writer: T.B.Gurung	88953-70538 (M) 90404-13176 (M)	
Koraput (OSAP 3rd Battalion)	Shri B.M.Rao, OPS Commandant	94372-15519 (M) 06852-251344 (O) 06852-151335 (R)	comdt3rdbn.orpol@nic.in
	I/C ODRAF: Dy. Sub R.Ch.Hati Writer: R.K.Naik	99384-06905 (M) 94390-66456 (M)	
Rourkela (OSAP 4th Battalion)	Shri K.Gauda, OPS Commandant	94373-58292 (M) 0661-2600434 (O) 0661-2600980 (R)	comdt4thbn.orpol@nic.in
	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	comdt5thbn.orpol@nic.in
	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	comdt7thbn.orpol@nic.in
	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	comdt8thbn.orpol@nic.in
	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	spbls.orpol@nic.in
	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	spbgr.orpol@nic.in
	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 Spjsp.orpol@nic.in	spjsp.orpol@nic.in
	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
Dhenkenal (OSAP 1st Bn)	Shri Bijaya Prakash Babu, OPS Deputy Commandant	9438509006 (M) 06762- 226229 (O) 06762226291 (CR)	comdt1stbn.orpol@nic.in

		Fax: 06762226291	
Koraput (1st India Reserve Bn.)	Shri P. Manmoth Rao, OPS Commandant	9437463489 (M) 06852-252167 (O) 06852-211320 (CR)	comdt1stirbn.orpol@nic.in
Gunupur (2nd India Reserve Bn.)	Shri BibhutiPattnaik, OPS Commandant	9437090541 (M) 0658-725110 (O) 0685- 725110 (CR)	comdt2ndirbn.orpol@nic.in
Jajpur (3rd India Reserve Bn.)	Shri S.N.Jemadar, OPS Commandant	9437355225 (M) 0672-6244602 (O) 0672- 6244610 (CR) Fax: 0672- 6244610	comdt3rdirbn.orpol@nic.in
Deogarh (4th India Reserve Bn.)	Shri Baikuntha Bihari Rout, OPS Commandant	9438800008 (M) 0664-3242130 (O)	comdt4thirbn.orpol@nic.in
Boudh (5th India Reserve Bn.)	Shri Jamesh Kumar Indrasingh, OPS Commandant	9437232275 (M) 9437232275 (M)	comdt5thirbn.orpol@nic.in
Khurda (6th India Reserve Bn.)	Shri Naba Kishor Das, OPS Commandant	8895856633 (M)	comdt6thirbn.orpol@nic.in
Koraput (7thSpl. India Reserve Bn.)	Shri S.N.Bastia Commandant	8895066309 (M) 06852-259112 (CR) Fax:O6852-229007	comdt7thsplirbn.orpol@nic.in
Phulbani (8thSpl. India Reserve Bn.)	Shri A.K.tripathy, OPS Commandant	9437200980 (M) 0684-2253017 (O)	comdt8thsplirbn.orpol@nic.in

4.7 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.

4.8 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.

4.9 Odisha State Disaster Management Authority (OSDMA):

Odisha State Disaster Mitigation Authority (OSDMA) was established by the Government of Odisha as an autonomous organization vides Finance Department Resolution No. IFC- 74/99-51779/F dated the 28th 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.

4.10 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.

4.11 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.*

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*

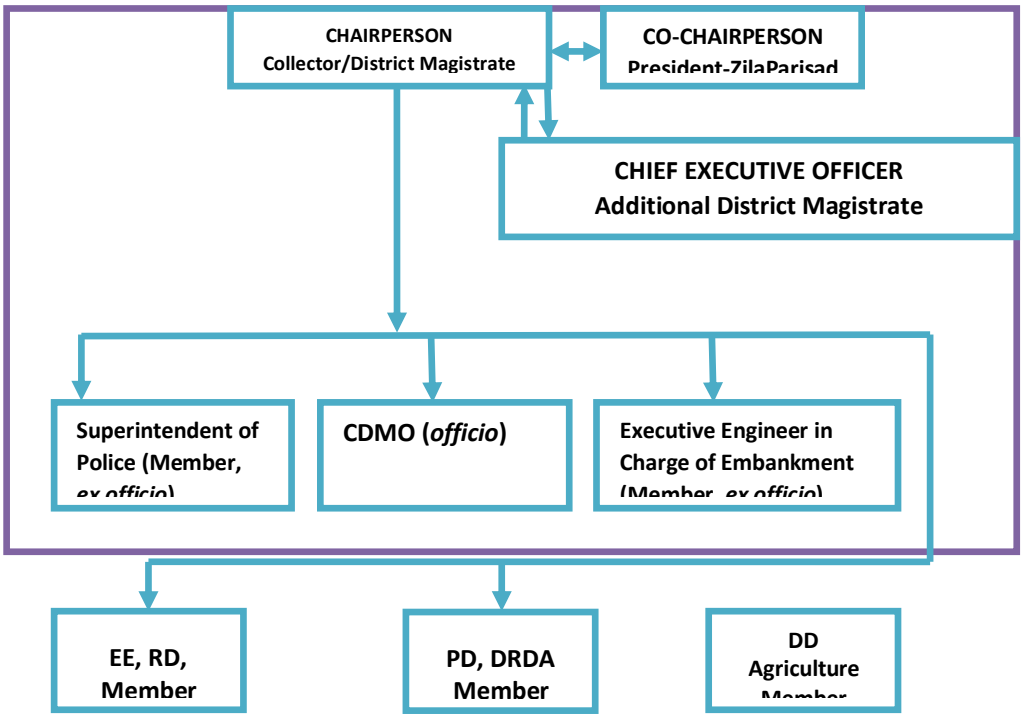
c) The Chief Executive of the District Authority ,ex officio;
d) The Superintendent of Police, ex officio;
e) The Chief Medical Officer of the district, ex officio;
f) Not exceeding two other district level officers, to be appointed by the State Government

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.

Table__: Structure of District Disaster Management Authority

Sl No.	Name of the Officer	Designation	Position in DDMA	Contact No.
1	Dr. Gavali Parag Harshad	District Magistrate Collector	Chairperson, ex-officio	9668303456
2	Smt. Namita Rani Sahu	Chairman, Zilla Parishad	Co- Chairperson, Ex-officio	9658502029
3	Sri Batulla Gangadhar	Superintendent of Police	Member, ex-officio	9438916770
4	Dr. Banalata Devi	Chief District Medical Officer	Member, ex-officio	9439980000 9337816682
5	Sri SaratSrichandanOAS(1)	Addl. District Magistrate	Chief Executive Officer, ex-officio	9438414888
6	Sri Prasanta Dash	Executive Engineer- in charge of Embankment	Member, ex-officio	9439800882
7	Sri. G. S Naidu (OAS SB)	Project Director, DRDA (I/C)	Member	9437405578
8	Sri Antaryami Mallik	Dy Director, Agriculture	Member	7606011784

Figure__: 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-:

a) Prepare Disaster Management Plan including District Response Plan of the District.
b) Coordinate and Monitor the implementation of the National DM Policy, State DM Policy, State DM Plan and District DM Plan.
c) 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 lay 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 provides 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 programms and awareness programms 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 an 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.
r) (xxv) establish stockpiles of relief and rescue materials or ensure preparedness to make such materials available at a short notice;

s) (xxvi) provide information to the State Authority relating to different aspects of disaster management;

t) Encourage the involvement of non-governmental organizations and voluntary social-welfare institutions working at the grassroots level in the district for disaster management;

u) Ensure communication systems are in order and disaster management drills are carried out periodically;

v) Perform such other functions as the State Government or State Authority may assign to it or as it deems necessary for disaster management in the District.

4.12 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 3 Structure of District Level Committee on Natural Calamity

Sl No.	Name of the Member	Designation	Position in SLCNC	Contact No.
1	Dr. Gavali Parag Harshad, IAS	District Magistrate and Collector	Chairperson	9668303456
2	Sri .Basanta Panda	Hon'ble MP, Loksabha	Member	9437071404
3	Captain Dibya Sh. Mishra	Hon'ble Minister of Home, MSME, Industry and Energy, Odisha State	Member	9937222771
4	Sri Pradipta Ku. Nayak	Hon'ble MLA, Bhawanipatna	Member	9437600014
5	Sri. Pradeep Ku. Disari	Hon'ble MLA, Lanjigarh	Member	8144508082
6	Sri Bhupinder Singh	Hon'ble MLA, Narla	Member	9437034255
7	Sri. Mausadhi Bag	Hon'ble MLA, Dharmagarh	Member	8018872112
8	Smt. Namita Rani Sahu	Chairman, Zilla Parishad	Member	9658502029
9	Sri SaratSrichandan OAS	Addl. District Magistrate	Member	9438414888
10	Dr. Banalata Devi	Chief District Medical Officer	Member	9439980000
11	Sri Prasanta Das	Executive Engineer- in charge of Embankment	Member	9439800882
12	Sri Chaitanya Sethy	Chief District Veterinary Officer	Member	9437394484
13	Sri Mirdha Toppo, OAS	Sub-Collector, Bhawanipatna	Member	9437836824
14	Sri Padmanabha Behera, OAS	Sub-Collector, Dharmagarh	Member	9437881245
15	Sri S.K.Tripathy, ORS	District Emergency Officer	Member Secretary	9437044318

Drought Monitoring Cell, Kalahandi

In pursuance of the letter no 778 Dt. 18.02.2019 of the Commisioner cum Secretary (DM) & Managing Director , OSDMA a District Cell is constituted for effective monitoring of drought like situation in the district.

The members are as Follows

1. Collector & District Magistrate, Kalahandi- Chairman
2. Deputy Directorof Agriculture, Kalahandi- Convener
3. District Emergency Officer, Kalahandi - Coordinator
4. Deputy Director of Horticulture, Kalahandi – Member
5. Project Director Watershed, Kalahandi - Member
6. Chief District Veterinary Officer, Kalahandi – Member
7. Senior Scientist & Head, KVK, Kalahandi – Member
8. Executive Engineer, Kalahandi lnigation Div. Member
9. Executive Engineer, OLIC, Kalahandi - Member

4.13 Team under DDMA

This is regarding the formation of District Disaster Management Team under the guidance of District Disaster Management Authority. Various sub teams are formed to perform some sectorial activities for disaster management. The roles and responsibility of each team are well defined to avoid any form of overlapping or duplicity during the time of disaster. They will perform their roles and responsibilities under the overall guidance of District Disaster Management Authority. The members of each team are mentioned hereunder:

Sl. No.	**Name of the Team**	**Team Members**
1	INFORMATION MANAGEMENT TEAM	DPO, OSDMA
		DIPRO, Kalahandi
		District Telecom Officer, Link Officer.
		District Control Room, Link Officer
		Police Control Room
2	FOOD & SOCIAL SECURITY TEAM	P.D. DRDA
		Sub Collector, Bhawanipatna/Dharamgarh
		D.S.W.O.
		D.W.O.
		Civil Supplies Officer
		District Panchayat Officer
		District Labour officer.
3	WATER MANAGEMENT TEAM.	
		Superintending Engineer
		Executive Engineer
		Executive Engineer
		Executive Engineer
		Project Director
		Deputy Director
4	LIVELIHOOD TEAM	
		Deputy Director, Agriculture
		DAO, Bhawanipatna/Dharamgarh/Narla

		Deputy Director, Horticulture
		CDVO
		Asst. Director, Fishery
		D.F.O. (KL)
		Project Director, Watershed
		General Manager, DIC
5	FOREST & ENVIRONMENT TEAM:	DFO, Terrtorial
		DFO, Wild life
6	RESCUE & EVACUATION TEAM:	District Emergency Officer
		Superintendent of Police,
		Fire Officer
		Coordinator NYK
		Special Land Acquisition Officer
		District Sports Officer
7	EMERGENCY HEALTH MANAGEMENT TEAM:	CDMO, Klahandi
		Secretary, Red Cross
		Representative of Private Hospital
		NGO Co-ordination Cell
8	RELIEF MANAGEMENT TEAM	ADM, Emergency.
		Sub Collector, Bhawanipatna/Dharamgarh
		All Block Development Officers
		All Tahasildars
		Addl. S.P.
		APD, DRDA.
		ADM, Emergency.
9	INFRASTRUCTURE MANAGEMENT TEAM	District Emergency Officer
		Executive Engineer
		Executive Engineer

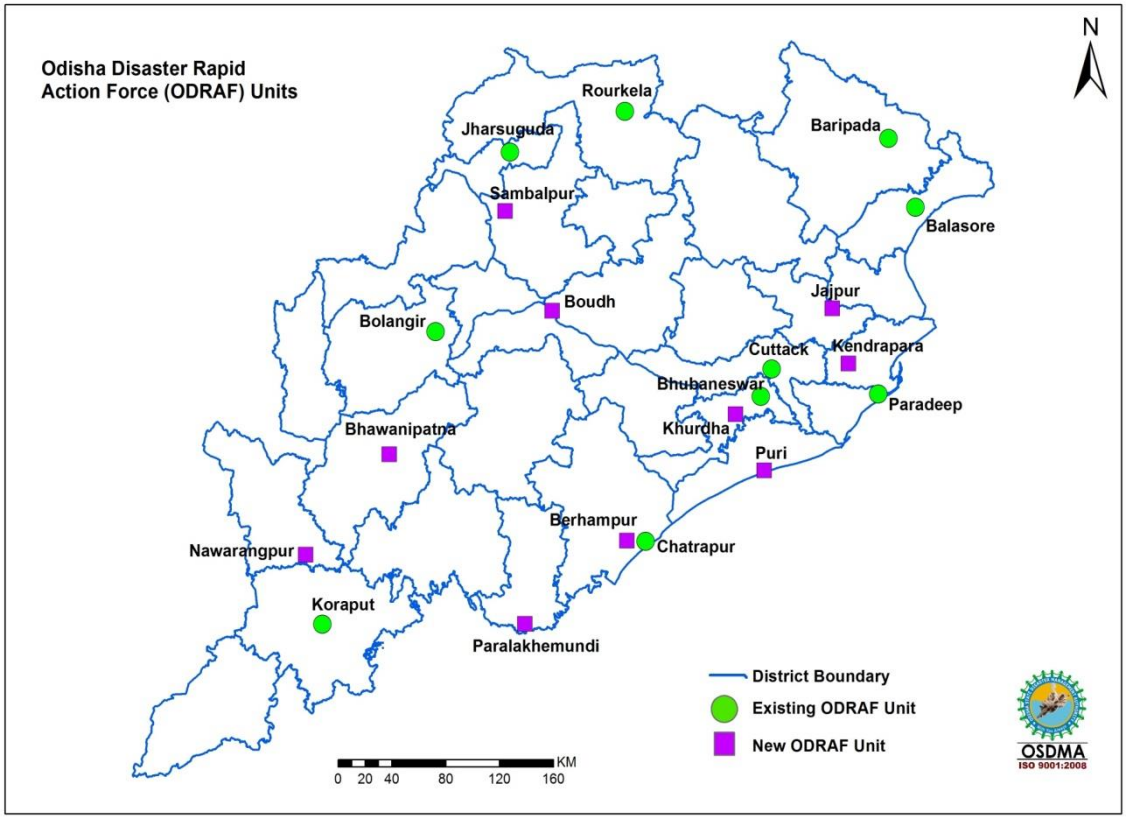
		Executive Engineer
		APD

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

Unit	In Charge	Telephone/ Mobile	Email
Dhenkenal (OSAP 1st Bn)	Shri Bijaya Prakash Babu, OPS Deputy Commandant	9438509006 (M) 06762- 226229 (O) 06762226291 (CR) Fax: 06762226291	comdt1stbn.orpol@nic.in
Koraput (1st India Reserve Bn.)	Shri P. Manmoth Rao, OPS Commandant	9437463489 (M) 06852-252167 (O) 06852-211320 (CR)	comdt1stirbn.orpol@nic.in
Gunupur (2nd India Reserve Bn.)	Shri BibhutiPattnaik, OPS Commandant	9437090541 (M) 0658-725110 (O) 0685- 725110 (CR)	comdt2ndirbn.orpol@nic.in
Jajpur (3rd India Reserve Bn.)	Shri S.N.Jemadar, OPS Commandant	9437355225 (M) 0672-6244602 (O) 0672- 6244610 (CR) Fax: 0672- 6244610	comdt3rdirbn.orpol@nic.in
Deogarh (4th India Reserve Bn.)	Shri Baikuntha Bihari Rout, OPS Commandant	9438800008 (M) 0664-3242130 (O)	comdt4thirbn.orpol@nic.in
Boudh (5th India Reserve Bn.)	Shri Jamesh Kumar Indrasingh, OPS Commandant	9437232275 (M) 9437232275 (M)	comdt5thirbn.orpol@nic.in
Khurda (6th India Reserve Bn.)	Shri Naba Kishor Das, OPS Commandant	8895856633 (M)	comdt6thirbn.orpol@nic.in
Koraput (7thSpl. India Reserve Bn.)	Shri S.N.Bastia Commandant	8895066309 (M) 06852-259112 (CR) Fax:O6852-229007	comdt7thsplirbn.orpol@nic.in

Phulbani **(8thSpl. India Reserve Bn.)**	Shri A.K.tripathy, OPS Commandant	9437200980 (M) 0684-2253017 (O)	comdt8thsplirbn.orpol@nic.in

Map__: Location of ODRAF Units



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	Shri Brijesh Kumar Rai,IPS	Commandant Home Guard	06670-233111	94389-16770	
2	Home Guards					
3	National Service Scheme (NSS)		District Coordinator			
4	National Cadet Crops (NCC)		Chief Commandant			
5	Nehru Yuva Kendra (NYK)		District Coordinator			
7	NGOs/VO		Coordinator, WONC			

ODRAF unit stationed at Bolangir-110 km and at Koraput-184kmawayfromBhawanipatna (District Hqrs Kalahandi)

Sl. No.	Name of the Institutions	Name of the Chief Coordinator of the Organization	Designation	Contact Number
1	**Koraput (ODRAF)**	**Sri. Sapan Kumar Sarkar**	**Inspector**	**8895102535**
2	**Bolangir (ODRAF)**	**Sri. Siva Subramani**	**SP, Bolangir**	**7863865027**

4.16Other Disaster Response Teams in the district

Services of Firemen available in Kalahandi District

1.KALAHANDI DISTRICT					
Sl.No	Name of the F.S.	OICs Name	Office Telephone Number	OICs Mobile No.	Man Power Available
1	Bhawanipatna F.S	AFO- Subash Chandra padhiari	06670-230666	94387-21081	21
2	Lanjigarh F.S	S.O. ManoranjanPadhi	7655086976	95560-87412	15
3	Dharamgarh F.S.	S.O. Radhu Ch. Mallick	06672-242219	94394-03618	15
4	Kesinga F.S	S.O. Anil Kumar Mishra	06670-223-611	8280166479	15
				7008248547	15
5	Junagarh F.S	S.O. Apurba Ranjan Sahoo	06672-243419	9438234588	15
				7008843451	15
6	Koksara F.S	S.O. Kailash Ch. Pradhan	76550-86978	87638-90801	15
7	Jaipatna F.S	LFM- Krushna Ch. Sisa	06673-266093	9437790187	15
				9777835211	15
8	kalampur F.S.	LFM- Binod Kerketta	06673-258222	88955-85584	15
9	Karlamunda F.S.	LFM- Jagdish Meher	7655086975	98614-21790	15
				79780-13091	15
10	Narla F.S.	LFM- TaranisenMirdha	76550-86973	91783-52232	15
11	M.Rampur F.S	LFM- MaheswarLakra	76550-86974	87631-80701	15
12	Golamunda F.S	LFM- Laxman Ch. Kishan	---	87634-08849	15
13	T.Rampur	LFM- BanamaliPujhari	---	94394-57085	15

Equipments available at different fire stations. Details indicated at page 185-190 ofVolume II

Police Administration

PHONE NUMBER OF POLICE OFFICER OF KALAHANDI DISTRICT.						
SADAR SUB-DIVISION						
Sl.No	**Name of the Officers**	**Rank**	**Present Posting**	**Personal**	**CUG**	**Issued by Office**
1	Ramesh Ch. Sethi, OPS	DSP	SDPO, Sadar	9437089236	9438916817	7682833119
2	Satya Kumar Nanda	Inspector	IIC, Town PS	7682833102	9438916787	9438260596
3	Pradeep Kumar Dharua	Inspector	IIC Sadar PS	993811079	9438916784	7682833103
4	ChandrahasyaSahu	ASI	I/c Karlapada OP	9438687909	9438915899	76828-33132
5	Govinda Majhi	Inspector	IIC, Kegaon PS	73269-99003	94384-82803	76828-33104
6	Kulabhusan Nayak	ASI	I/c Borda OP	93371-01075	94389-15893	76828-33133
7	ManoranjanKumbhar	S.I	I/c Th.Rampur PS	76818-50372	94389-16785	76828-33105
8	KanhuCharan Panda	ASI	I/c Karlapat OP	94372-02162	94389-15900	76828-33134
9	Malaya Kumar Rana	ASI	I/c Mahulpatna OP	99372-18463	94389-15902	76828-33135

DHARAMGARH SUB- DIVISION

1	Laxminarayan Panda, OPS	DSP	SDPO,Dh.garh	94371-20560	94389-16818	76828-33121
2	DamuParaja	Inspector	IIC, Dharamgarh PS	94373-37781	94389-16924	76828-33113
3	Rasmita Pradhan(89172-23627)	Inspector	IIC, Golamunda PS	94386-11705	94389-16926	76828-33114
4	Akshya Prasad Pattnaik	ASI	I/c Daspur PS	94371-54472	94389-15895	76828-33142
5	Susanta Kumar Sahu	Inspector	IIC Jaipatna PS	94399-73481	94389-16775	76828-33118
6	Premchand Sahoo	ASI	I/c Mukhiguda PS	78942-96691	94389-15905	76828-33146
7	Manoranjan Acharya	ASI	I/c Kalampur PS	94372-02250	94389-15897	76828-33144
8	JayadevTarini	S.I	I/c Kutru OP	94373-58809	94389-15901	76828-33145
9	UttamSahu	S.I	OIC Koksara PS	94376-93347	94389-16780	76828-33116
10	Sekhar Jena(83277-09412)	ASI	I/c Moter OP	94371-97788	94389-15904	76828-33147
11	Pravat Kumar Sethy(76810-37373)	Inspector	IIC, Junagarh PS	83288-00743	94389-16776	76828-33115
12	Ashok Ku. Bihari	ASI	I/c Chiliguda OP	94380-29171	94389-15894	76828-33143
13	Satyanarayan Pradhan	Inspector	IIC Ampani PS	80187-02864		88953-30262

KESINGA SUB-DIVISION						
1	GupteswarBhoi, OPS	DSP	SDPO, Kesinga	89176-33893	94389-16819	76828-33120
2	Ashok Kumar Mahapatra	Inspector	IIC, Kesinga PS	94376-44900	94389-16779	76828-33107
3	S.B.Mangaraj	ASI	I/c Utkela OP	78945-27963	94389-15909	76828-33136
4	Asit Panda	ASI	I/c Palam OP	97776-65109	94389-15906	76828-33137
5	Renuka Suna	Inspector	IIC M.Rampur PS	94384-71435	94389-16782	76828-33109
6	Durga Prasad Sahu	ASI	I/c Mohangiri OP	78942-46949	94389-15903	76828-33140
7	LabaramChhatria	ASI	I/c Risida OP	79781-06547	94389-15907	76828-33139
8	A.Ch.Biswas	S.I	I/c Karlamunda OP	70773-06098	94389-15898	76828-33138
9	Ramani Ranjan Dalei	Inspector	IIC Narla PS	86584-80430	94389-16783	76828-33108
10	Bijuram Bag	ASI	I/c Sikerkupa OP	82499-76938	94389-15908	76828-33141
11	Chaturbhuja Nayak , 9556683131	Inspector	IIC Lanjigarh PS	94399-35791	94389-16781	76828-33111
12	KanhuCharan Swain	Inspector	IIC B.N.pur PS	94380-60029	94389-16923	76828-33110
13	Prasanta Kumar Kolaharas	S.I	IIC Bijepur P.S	80187-02864		76828-33112

POSTWISE PRESENT STRENGTH OF OFFICERS AND MEN OF KALAHANDI DISTRICT POLICE WITH RANK

Sl. No.	NAME OF THE POSTs.	INSPECTOR	SUB-INSPR	ASI	HAV/ HC	CONSTABLE	OAPF	Home Guards
1.	**Town PS, Bpt.**	1	4	8	2	17	6	88
2.	Sadar TOP				1	10		
3.	Traffic Town PS				2	5		
4.	**Energy PS**			1	1	2		

5.	**Sadar PS, Bpt**	1	5	6	1	12	6	55
6.	Karlapada OP			1		4		
7.	**Kegaon PS**		2	3	1	7	2	15
8.	Borda OP			1		6		
9.	**Th.Rampur PS**		2	2	1	6	1	19
10.	Karlapat OP			1		3	3	
11.	Mahulpatna OP			1		2		
12.	**Dharmagarh PS**	1	2	3	1	9	3	20
13.	Dh.garh TOP				1	5		
14.	**Golamunda PS**	1	1	2	1	5	3	15
15.	Daspur OP			1		4		
16.	**Junagarh PS**	1	3	2	1	10	3	49
17.	JMFC Junagarh			1		3		
18.	Chiliguda OP			1		2		
19.	**Koksara PS**	1	1	2	1	8	3	15
20.	Moter OP			1		4		
21.	**Ampani PS**	1	0	2	1	5	1	
22.	Gotomunda OP			1		2		
23.	**Jaipatna PS**	1	3	4	1	7	2	20
24.	Kutru OP		1			2		
25.	Mukhiguda OP			1		4		
26.	Kalampur OP			1		5		
27.	**Kesinga PS**	2	3	5	1	17	3	49
28.	Kesinga TOP				1	2		
29.	Palam OP			1		2		
30.	Utkela OP			1		4		
31.	**Narla PS**	1	2	2	1	8	3	18
32.	Sikerkupa OP			1		2	2	
33.	Chhatiguda BH					2		
34.	**Lanjigarh PS**	1	1	2	1	8	2	14
35.	**Bijepur PS**		1	1	1	4	3	
36.	**Biswanathpur PS**	1		2		5		9
37.	**M.Rampur PS**		3	4	1	5	9	20
38.	Mohangiri OP		1			3	3	
39.	Risida OP			1		3		
40.	Karlamunda OP		1			2		
41.	APR					177		
TOTAL		**13**	**36**	**66**	**22**	**393**	**58**	**406**

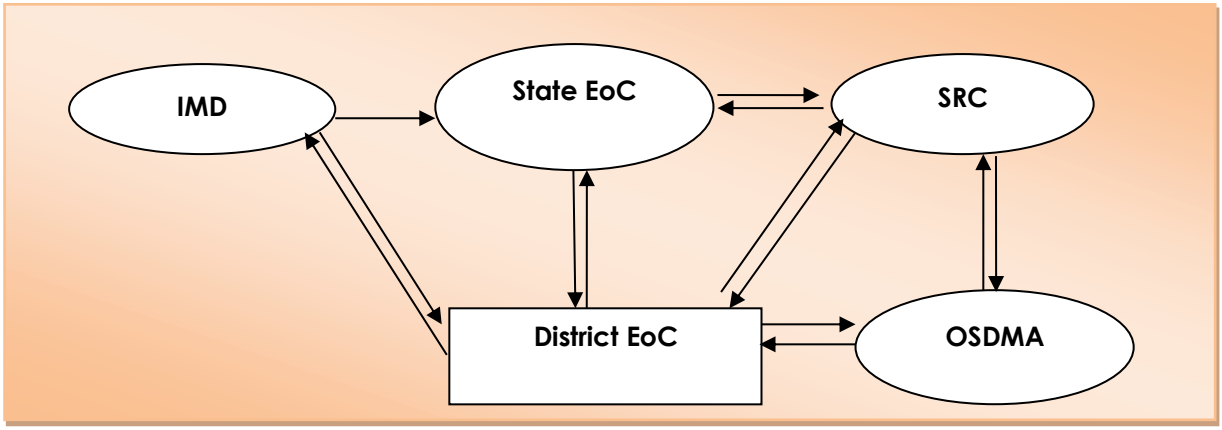
4.17 Emergency Communication System

An Emergencycommunicationsystem **(ECS)** is any type of system (often using computers) that lets people or groups communicate during emergencies. These systems often include many different types of technology (such as telephones and televisions), which all work together to help communicate important messages during emergencies. In Kalahandi district one Satellite Phone is their provided by OSDMA to be used during emergency situation.

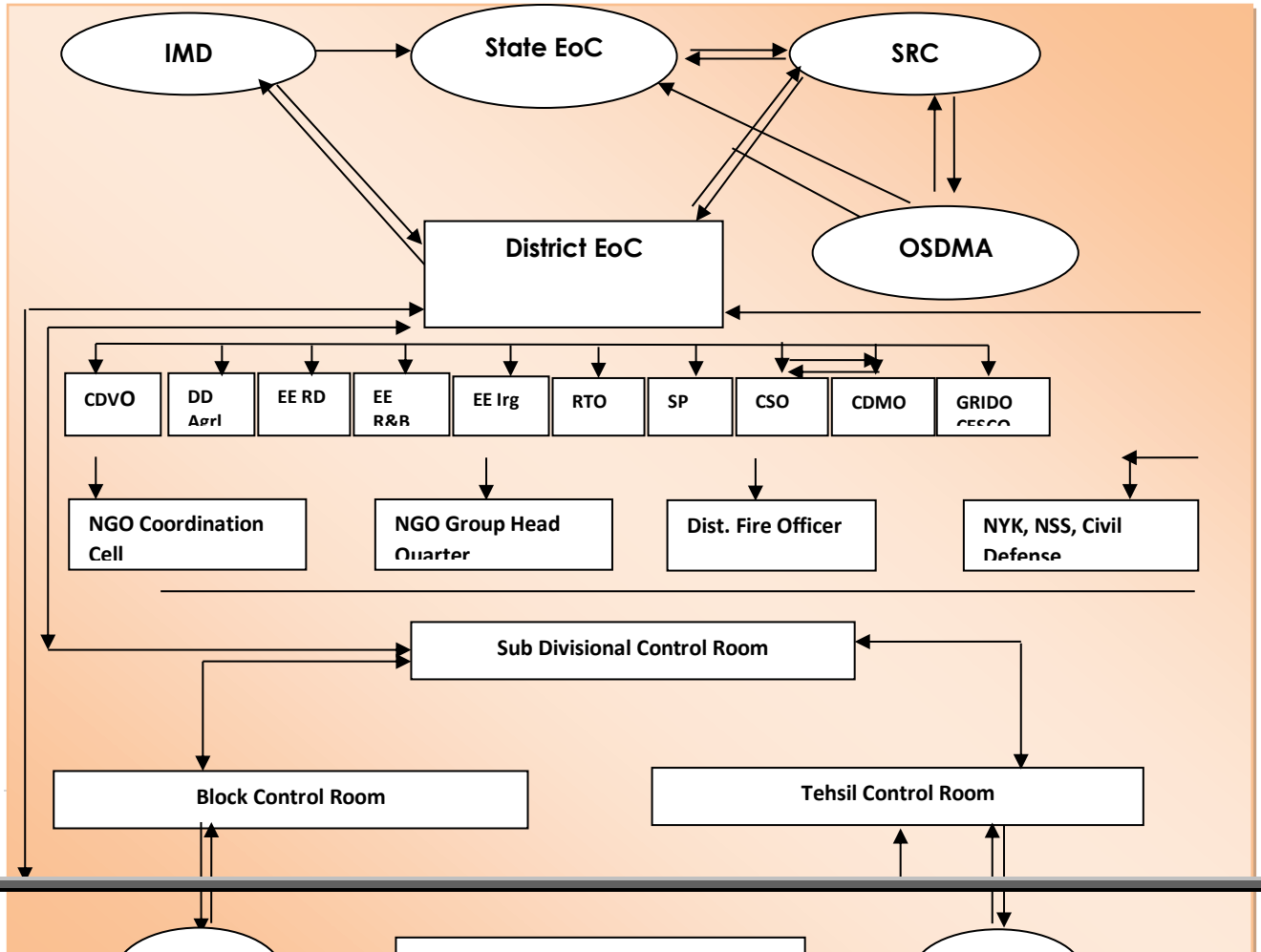
4.17.1 State Emergency Operation Center (SEOC)

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___: Information flow chart from SEOC to Districts



Information flow chart from District Emergency Operation Center (DEoC) to Villages with early warning



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

4.17.2 District Emergency Operation Centers (DEOC)

The District Emergency Operation Centre (DEOC) is functioning at District Emergency Section Collectorate, Kalhandi. The DEOC is headed by the Collector and District Magistrate, Kalahandi. 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, Kalahandi. DEO is assisted by a District Project Officer (DPO) and other ministerial staff. The helpline is under the supervision of DEO, Kalahandi. 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.

Table: 3 Equipments provided to DEoC and their operational status

Sl No.	Equipments	Unit	Status		Remarks
			Operational	Non-Operational	
1	Desktop Computer	02	02	-	-
2	Laser Printer	02	02	-	-
3	UPS	02	-	02	Out of order
4	Scanner	02	02	-	-
5	Fax	01	-	01	Out of order
6	Ink Jet Printer	-	-	-	-
7	Multi Utility Machine (Printer, Scanner, Fax, copy)	01	01	-	-
8	Laptop	-	-	-	-
10	LCD Projector	-	-	-	-
11	Photocopier	-	-	-	-
12	GPS Unit	-	-	-	-
13	Satellite Phone	01	-	01	-
14	VHF Sets	-	-	-	-
15	VHF Mobile Station	-	-	-	-

16	Walkie-Talkie (VHF hand Set)	-	-	-	-
17	Portable Diesel Generator	01	01	-	-
18	Inverter with Battery	01	01	-	-
19	Inflatable Tower Light	-	-	-	-
20	Power Saw	-	-	-	-
21	Life Jacket	0	0	-	-
22	Life Buoy	0	0	-	-
23	Aluminum Ladder	-	-	-	-
24	Fire Extinguisher	-	-	-	-
25	Siren	-	-	-	-
26	Megaphone	-	-	-	-
27	Colour TV/Stand	01	01	-	-
28	Mobile Phone	-	-	-	-
29	Display Board	-	-	-	-
30	White Broad	01	01	-	-
31	Computer Table/Chair	02	02	-	-
32	Rack	01	01	-	-
33	Book Case	01	01	-	-
34	GI Trunk	-	-	-	-
35	Commando Search Light	01	-	01	Out of order
36	Steel Almirah	01	01	-	-

Important Phone Numbers

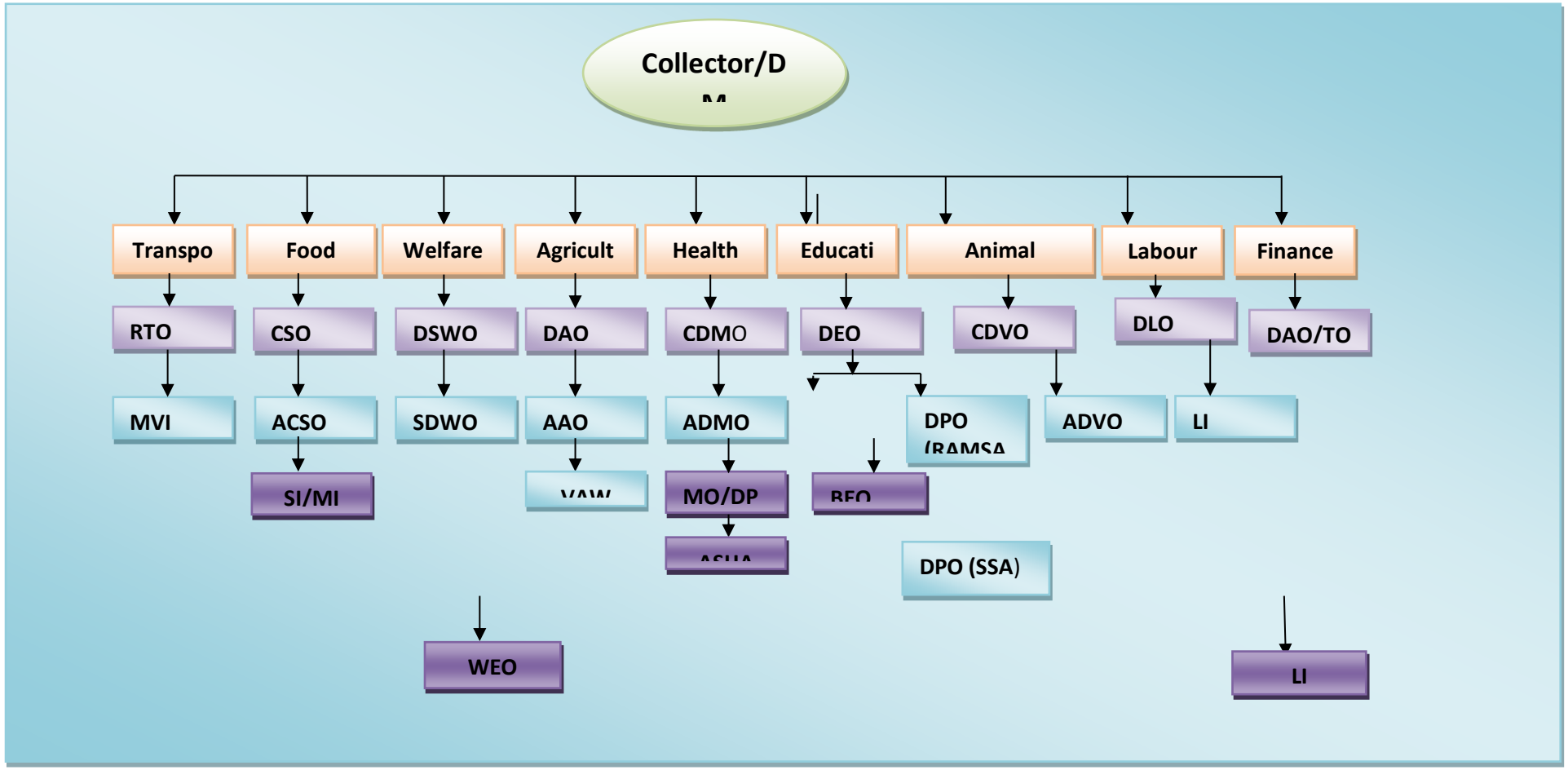
Sl.No	**Designation of the Officer (DLOs)**	**Name of the Officer**	**(Office)**	**Mobile**
1	Collector & D.M., Kalahandi.	Dr. Gavali Parag Harshad, IAS	230201 (O) 230233 (R) 230303 (F)	9668303456
2	Superintendent of Police	Sri Batulla Gangadhar, IPS	233111	9438916770
3	Regional Chief Consvr. of Forests	9437001294 (ACF) I/c	231709	9437071709
4	Addl. District Magistrate, Kld.	Sri Sarat Ch. Srichandan, OAS(I) SB	230464	9438414888
5	Project Director, DRDA, Kld.	Sri Prasanna ku. Sarangi, OAS-I(SB)	230334	9437257149
6	Sub-Collector, Bhawanipatna	Sri Mirdha Toppo, OAS	230527	9437836824
7	Sub-Collector, Dharamgarh	Sri Padmanava Behera, OAS	242223	9437881245

8	Project Administrator, ITDA	Biranchi Narayan Darwan, OAS	230576	9438646593
9	Chief Dist. Medical Officer, Kld.	Dr. Banalata Devi,	233761	9439980000 9337816682
10	Chief District Veterinary Officer	Dr. Chaitanya CharanSethy	230502	9437394484
11	S E Minor Irrign. Kalahandi	Sri SimanchalSahu		9437010978
12	S.E., Wesco, Kalahandi	Shri Alok Satapathy	230443	9437291675
13	S.E., OLIC, Kalahandi	B.K. Mohapatra.	230783	9437030600
14	S E, R.D, Kalahandi.	Sri Pradip Naik	235504	9437135233
15	S E, PHD, Kalahandi	Sri Amulya Kumar Mallik		8456064334
16	D.F.O. (South)	Sri T. Ashok Kumar, IFS	230268	9437071926
17	D.F.O. (North)	Sri Nitish Kumar, IFS	230526	9437070526
18	Executive Engineer, R&B, B.patna	Sri AjitBabu	230512	9437050413
19	Executive Engineer, R D, Bh.patna	Sri KalipadaMohakud	230656	9437255331/9437154620
20	Executive Engineer, RD, Dh.garh	Sri S.K. Routray	06672-242765	9337856155
21	Executive Engineer, NH, Kesinga	Sri P.K. Samantaray,	222450	9437003522
22	Executive Engineer, RWS&S, Kld.	Sri Ajay Ku. Behera	230784	9437085338
23	Executive Engineer, P H D, KLd.	Shri A.C. Naik,	230684	9437182410
24	Executive Engineer, Irrigation	Shri Prasanta Dash,	230685	9439800882
25	Executive Engineer, M I, Kld.	Sri A.K. Patel,	230755	9861128585
26	Executive Engineer, OLIC	Shri Bharat Ch.Rout	230639	8249068045
27	Executive Engineer, KEED	Shri AlokRanjan Patnaik	230403	9437058573
28	Executive Engineer, KWED	Shri Loknath Dash	230678	9437058464
29	Executive Engineer, DRDA, Kld.	Sri Rishikesh Dandsena	230334	8456917201
30	General Manager, DIC, Kld.	Sri S.R. Pradhan	232637	9439628887
31	Deputy Director Agriculture.	Sri Antaryami Mallik	230751	7606011784
32	Deputy Director Horticulture	Sri Sailesh Ranjan Pattnaik,	230328	9437090586
33	D.P.C., DPEP/SSA	Sri S.K. Singh DEO I/C	232083	9437296156
34	District Education Officer	Sri S.K. Singh		9437296156

35	D. R. C. S., Kalahandi	Sri Prabir Ghosh	230758	9438164647
36	Dist. Social Welfare Officer	Smt. Jyotsnarani Patra	230537	9437168209
37	Dist. Panchayat Officer, SDPO I/c	Sri Arjun Majhi	230543	9437292575
38	Deputy Director (P&S) DPMU	Sri Bijay Kumar Tripathy	230606	9437271926
39	DI & PRO, Kalahandi I/C	Smt. Arpita Behera (DCO)	230665	7008861399
40	District LabourOfficer DLC I/c	Sri Mohanty	230310	9437354018
41	District Welfare Officer	Sri Budhadev Panda	230553	8763860405
42	District Mining Officer	Sri Dilip Ku. Sahu (9337351184)	230409	9438918218
43	District Emergency Officer	Sri. Surendra Ku. Tripathy	230455	9437044318
44	Regional Transport Officer	Sri DinabandhuSundhi	230545	9938024818
45	Civil Supplies Officer	Sri Shiba Prasad Dora	230392	9438200045
46	Superintendent of Excise,	Sri B.NSatapathy	230593	9437361661
47	Dist. Small Savings Officer	Sri NilanchalSethy	230772	9438122414
48	Dist. Sub- Registrar, Bh.patna	Sri Rudra Mohan Nayak	230743	9437299749
49	District Culture Officer, Kld.	Smt. Arpita Behera	233170	7008861399
50	Dist. Employment Officer I/c	Sri B.K. Upadhyaya	230628	9437486784
51	Deputy Director of Fisheries	Sri S. Das,	230538	9437114090
52	District Treasury Officer	Mr. Mohammed. Burhan	230530	7008746070
53	Executive Off. Municipality	Sri Biswambar Mishra	230424	9437222804
54	District Sports Officer	Sri Subhasis Nayak		9658323809
55	District Tourist Officer	Sri Subodh Ku. Chhatria		9439494426
56	District Social Security Officer	Sri Bholanath Naik		9937573132
57	District Child Protection Officer	Sri Sailendu Sekhar Mohapatra		9438090100
58	District Fire Officer	Sri. Subash Chandra Padhiari	230666/234110	9438721081

4.15.4 Coordination structure at the District level and down the line

Figure 4: Coordination structure at the District level and down the line



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

The National DM policy instruments detail the roles and responsibilities of stakeholders in disaster management. The institutional structure outlied in the DM Act 2005 and the National DM policy 2009 promotes a holistic and proactive approach to disaster management, without disturbing the other mechanisms that exists in the country. This policy has clearly speels out the role of NGOs, CBOs and other stakeholder as potential partners for disaster management. The reiterates the importance of contribution made by the NGOs in all phase of disaster management over the years.

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 Kalahandi. Hence, a district level NGO Coordination Cell to be set up with the following points.

Figure 01 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.	DDMAs
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

4.19 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 Kalahandi 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 is 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.

4.20 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 emergence 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.

4.21Multi Purpose Cyclone Shelters (MCS) in the district

a) In the aftermath of the super cyclone of 1999 that ravaged the coastal Orissa OSDMA has constructed 97 Multipurpose Cyclone Shelters in 6 coastal districts. 37 have been constructed under World Bank assistance and 60 have been constructed out of Chief Minister's Relief Fund. 41 more are under construction out of Prime Minister's National Relief Fund. Indian Red Cross Society, Orissa Branch has also constructed 65 Multipurpose Cyclone Shelters. Thus 203 cyclone shelters are in place in various vulnerable locations in six coastal districts of the State.

Community Based Cyclone Shelter Management and Maintenance Committees (CSMMCs) have been formed under the Chairmanship of local BDO and a volunteer from the community as Secretary and the buildings have been handed over to the concerned CSMMC for management and maintenance. Local Tahasildar, Medical Officer, Junior Engineer of the Block, Revenue Inspector, Head Master of the School, ANM and Anganwadi Supervisor are Ex-Officio Members of the Committee. Representatives from local NGO, from shelter and served villages, SHG and SC & ST communities are also members of the Committee. The CSMMC takes the charge of

day-to-day management and maintenance of the building. Most of the buildings have been constructed in School premises so that the buildings will be used for School purposes during normal time. The CSMMC has also been authorized to put the building for economic / community uses like community house, kalian mandap etc. and earn user fees. The amount so earned is kept in a joint account and as and when necessary spent for the purpose of maintenance of the building.

COMPOSITION

The CSMMC will be constituted in a special Meeting convened by the local Sarpanch/Executive Officer in the shelter village including served villages. The CSMMC will have around 21-25 members as detailed bellow. The Sarpanch of the concerned Gram Panchayat/Executive Officer of concerned ULB will function as the **President** of the FSMMC. One representative of the vulnerable community, selected by General Body or in case of urgency nominated by the President, will function as the **Secretary** of the CSMMC.

b) Equipments provided to the MFS

Multi Pupose shelters have been provided with a number of shelter equipment like First Aid Box, Free Kitchen Utensils, Inflatable Tower Lights, Aluminum Ladder, Power Saw, Life Buoy, Life Jacket, Search Light, Stretcher, Siren, Flexi-Water Tank, Fire Extinguisher, Foldable Stretcher, Solar Lantern, Water Filter and Handheld Megaphone, etc. Most of the equipment will be used for Search & Rescue and shelter purposes. The CSMMC members and villagers have been trained on the use of equipment during disasters.

Sl No.	***Name of the MFS***	Location	***Equipments Provided***	***Status***		***Remarks***
				Operational	***Non Operational***	
1	**CSMMC,Belkhandi**	***Belkhandi***	***Yes***	***Yes***	***Yes***	
2	**CSMMC,Kalampur**	***Balichada***	***Yes***	***Yes***	***Yes***	
3	**CSMMC,Jaipatna**	Rasdumer	***Yes***	***Yes***	***Yes***	
4	**SMMC,Junagarh**	Kutengaon	***Yes***	***Yes***	***Yes***	

e__: Details of equipments provided to MCS indicated at Page…… of Volume II

Flood Shelters (FS) in the District

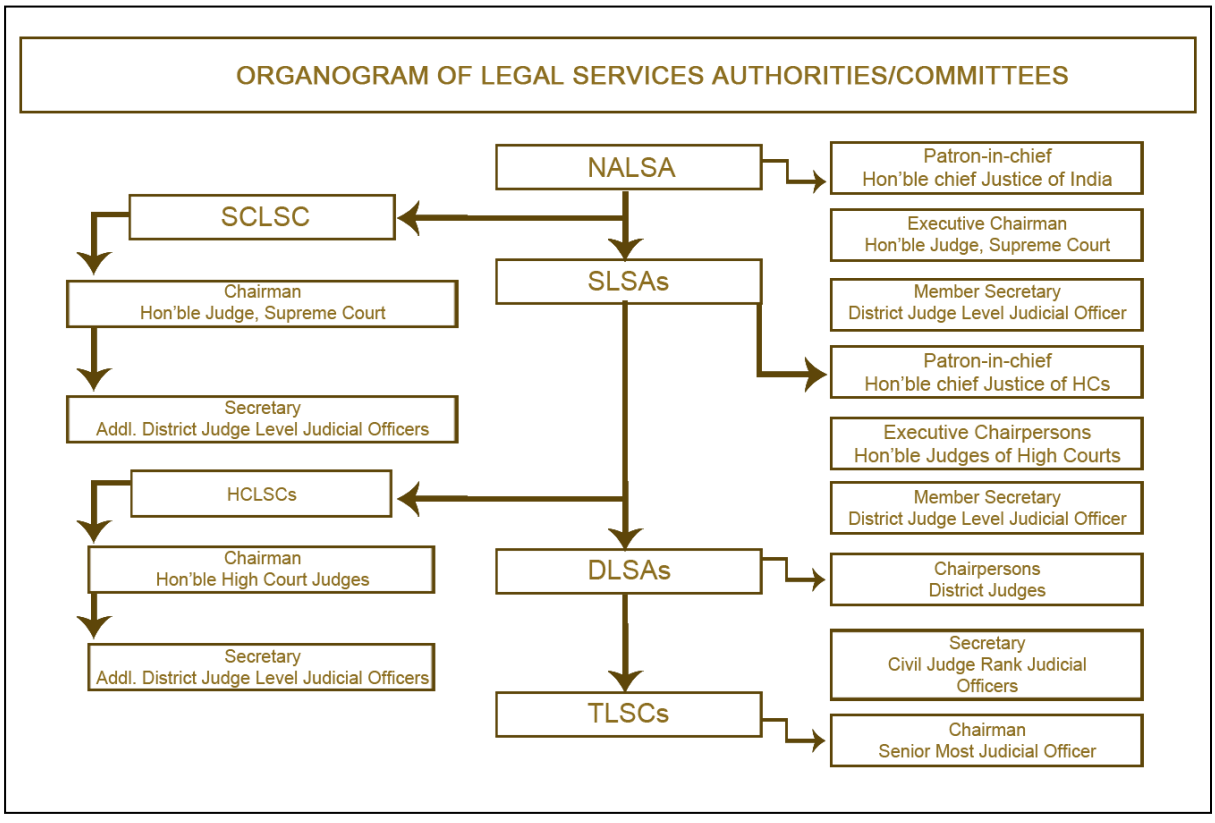
Sl. No.	District	Block	GP	Village	Location	MCS/ MFS	Under Scheme
1	Kalahandi	Kalampur	Kalampur	Balichhada	Balilchhada UP School	**MFS**	CMRF (By RD dept- post Phailin)
2	Kalahandi	Jaipatna	Bandigaon	Rasdumer	100mtr away from RasdumerPrathamika Vidyalaya	**MFS**	CMRF (By RD dept- post Phailin)
3	Kalahandi	Junagarh	Banijara	Kutengaon	School premise	**MFS**	CMRF (By RD dept- post Phailin)
4	Kalahandi	Kesinga	Belkhandi	Belkhandi	Belkhandi	**MFS**	CMRF (By RD dept- post Phailin)

4.22 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.



4.23 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.

Chapter – 5:
Prevention & Mitigation Measures

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

Structural solutions include engineered solutions such as redesigning buildings and designing physical barriers to **disaster** events to reduce damage. Non-**structural** solutions include social solutions such as early warning, evacuation planning, and **emergency** response preparedness. It is the physical changes or act of protection from disasters or hazards. For example, **structural mitigation** would be when a family reinforces there home to make it more wind proof, or earthquake proof. Earthquake-**resistant** structures are structures **designed** to withstand earthquakes. While no structure can be entirely immune to damage from earthquakes, the goal of earthquake-**resistant** construction is to erect structures that fare better during **seismic** activity than their conventional counterparts

5.2 Structural Measures for Drought Proofing.

Lift Irrigation Department Kalahandi

Sl. No.	Name of Block	No. of Existing L.I.Projects		No. of Permanent Defunct L.I.Projects		No. of Temp. Defunct L.I.Projects		Total Defunct L.I.Projects		No. of L.I.Projects Programmed		Remarks
		No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Bhawanipatna	147	3428	10	260	40	892	50	1152	97	2276	
2	Kesinga	117	2726	7	160	35	812	42	972	75	1754	
3	Lanjigarh	81	1780	9	200	26	570	35	770	46	1010	2 Nos. ayacut 64 Hc. to be energised in 05/19
4	Th.Rampur	14	280	8	160	3	60	11	220	3	60	
	TOTAL :	**359**	**8214**	**34**	**780**	**104**	**2334**	**138**	**3114**	**221**	**5100**	
5	M.Rampur	152	3800	4	100	41	1056	45	1156	107	2644	2 Nos. ayacut 44 Hc. to be energised in 05/19
6	Narla	130	3296	2	40	36	984	38	1024	92	2272	1 No. ayacut 24 Hc. to be

												energised in 05/19
7	Karlamunda	102	2448	0	0	30	732	30	732	72	1716	1 No. ayacut 24 Hc. to be energised in 05/19
	TOTAL :	**384**	**9544**	**6**	**140**	**107**	**2772**	**113**	**2912**	**271**	**6632**	
8	Dharamgarh	56	1364	6	120	15	320	21	440	35	924	
9	Golamunda	112	2370	4	80	24	418	28	498	84	1872	
10	Koksara	67	1508	0	0	8	240	8	240	59	1268	
11	Junagarh	136	2932	8	160	14	304	22	464	114	2468	
12	Jaipatna	37	1040	3	60	3	80	6	140	31	900	
13	Kalampur	20	420	6	120	3	60	9	180	11	240	2 Nos. ayacut 48 Hc. to be energised in 05/19
	TOTAL :	**428**	**9634**	**27**	**540**	**67**	**1422**	**94**	**1962**	**334**	**7672**	
	G.TOTAL :	**1171**	**27392**	**67**	**1460**	**278**	**6528**	**345**	**7988**	**826**	**19404**	

Watersheds, Kalahandi

Sl. No	Name of Block	Type of Structure (New)	Location of Structure (Village Name)	Estimated Cost (Rs. In Lakh)	Area under Irrigation (Ha)		
					Assured (Ha)		Protective (Ha)
					Kharif	Rabi	Kharif
1	Koksara	Percolation Tank	Kandabutura	3.000	-	-	1
2	Koksara	Percolation Tank	Kandabutura	3.400	-	-	1.5
3	Koksara	Percolation Tank	Khuntia	4.000	-	-	2
4	Koksara	Massonary Check Dam	Khuntia	5.000	-	-	2
5	Koksara	Percolation Tank	Temera	3.000	-	-	2
6	Koksara	Massonary Check Dam	Temera	5.000	-	-	2
7	Koksara	Percolation Tank	Tentulipada	3.000	-	-	1.5
8	Koksara	Percolation Tank	Tentulipada	3.000	-	-	1.5

9	Koksara	Massonary Check Dam	Majhiguda	5.000	-	-	3
10	Koksara	MassonaryChec k Dam	Majhiguda	5.000	-	-	4
11	Koksara	Diversion Weir	Kaudola	5.000	-	-	2
12	Koksara	Percolation Tank	Kaudola	4.000	-	-	3
	Sub Total			**48.400**	**-**	**-**	**25.5**
13	Narla	Water Harvesting Structure	Karumpadar	5.000	-	-	2
14	Narla	Water Harvesting Structure	Sinang	5.000	-	-	2
15	Narla	Check Dam	Murshing	5.000	-	-	2
16	Narla	Check Dam	Jodabandh	5.000	-	-	2
17	Narla	Check Dam	Santpur	5.000	-	-	2
18	Narla	Water Harvesting Structure	Kundeijharan	5.000	-	-	3
19	Narla	Water Harvesting Structure	Kundeijharan	5.000	-	-	2
20	Narla	Check Dam	Raidhunipadar	5.000	-	-	2
21	Narla	Water Harvesting Structure	Suringpadar	5.000	-	-	3
22	Narla	Water Harvesting Structure	Suringpadar	3.300	-	-	2
23	Narla	Check Dam	Taparang	5.000	-	-	2
	Sub Total			**53.300**	**-**	**-**	**24**
24	Dharmagarh	Check Dam	Nunpani	5.000	-	-	1.5
25	Dharmagarh	Percolation Tank	Nunpani	3.000	-	-	1.5
26	Dharmagarh	Check Dam	Bankimunda	5.000	-	-	2
27	Dharmagarh	Water Harvesting Structure	Ainlajore	5.000	-	-	2
28	Dharmagarh	Percolation Tank	Ainlajore	4.000	-	-	2
29	Dharmagarh	Percolation Tank	Ghumer	4.000	-	-	1.5
30	Dharmagarh	Percolation Tank	Semla	3.500	-	-	1.5

31	Dharmagarh	Percolation Tank	Hatipkhan	3.150	-	-	1.5
32	Dharmagarh	Check Dam	Kadlimunda	4.000	-	-	2
33	Dharmagarh	Water Harvesting Structure	Ichhapur	5.000	-	-	2
	Sub Total			**41.650**	**-**	**-**	**17.5**
34	Golamunda	Water Harvesting Structure	Khamarhaldi	4.000	-	-	1
35	Golamunda	Water Harvesting Structure	Brundabahal	5.000	-	-	2
36	Golamunda	Water Harvesting Structure	Khaliakani	4.000	-	-	2
37	Golamunda	Water Harvesting Structure	Golamunda	4.000	-	-	2
38	Golamunda	Water Harvesting Structure	Golamunda	4.000	-	-	1
39	Golamunda	Percolation Tank	Golamunda	3.000	-	-	2
40	Golamunda	Water Harvesting Structure	Turechhada	3.000	-	-	1
41	Golamunda	Water Harvesting Structure	Turechda	3.200	-	-	1
42	Golamunda	Water Harvesting Structure	Chapria	5.000	-	-	1
43	Golamunda	Water Harvesting Structure	Chapria	5.000	-	-	1
	Sub Total			**40.200**	**-**	**-**	**14**
44	Kesinga	Check Dam	Pujiguda	5.000	-	-	2.5
45	Kesinga	Check Dam	Pujiguda	3.000	-	-	1.5
46	Kesinga	Check Dam	Kanabira	3.000	-	-	1.5
47	Kesinga	Water Harvesting Structure	Sirol	4.000	-	-	2
48	Kesinga	Check Dam	Limgaon	3.000	-	-	1.5
49	Kesinga	Check Dam	Limgaon	4.000	-	-	2
50	Kesinga	Check Dam	Kokomunda	3.000	-	-	1.5

51	Kesinga	Water Harvesting Structure	Utkela	4.500	-	-	2.5
52	Kesinga	Check Dam	Masanimunda	3.450	-	-	2
53	Kesinga	Check Dam	Dumermunda	4.500	-	-	2.5
54	Kesinga	Check Dam	Jolko	4.000	-	-	2
	Sub Total			**41.450**	**-**	**-**	**21.5**
TOTAL				**225.000**	**0.000**	**0.000**	**103**

5.3 Non- Structural Measures for Drought Proofing

Its an inevitable fact that without the active participation of the community itsnotpossible to achieve the holistic development of a society. Therefore, its essential to encourage their participation by the continuous planning of their capacity building and awareness measures. The non-structural mitigation is basically framed in such a way that the community will be sensitized on disaster management and their capacity will be developed to cope up with a hazardous situation. Specific plan for non-structural itigation measures for Kalahandi district has been planned.

1. **Sensitization/Awareness Campaigns:** The District administration will reach out to the local residents and different community 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 import and basic for a human being to save him/herself. Disaster strikes everywhere everyone irrespective of any discremination. 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

Non-structural Measures:

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	15th April	30th April	30,000	H&FW
2	Revenue	Awareness of officials on SDRF and NDRF norms	15th May	30th May	As per norms	DDMA
3	Education	Awareness of BEOs on School Safety Measures	1st Sept	30th Sept	30,000	DDMA
4	Agriculture	Awareness of famers on drought preparedness and mitigation measures	1st Sept	30th Sept	1,00,000	Agriculture Dept.
5	Veterinary	Awareness of officials and farmers on Disaster	1st June	15th June	2,00,000	ARD Dept.

		Mitigation measures in livestock sector				
6	Forest	Awareness on forest fire at sub-divisional level	1st June	15th June	150000	DDMA

5.4 Scope for integrating different schemes for Disaster Risk Reduction (DRR) Activities.

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	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). 2. Relief requirements of a severe calamity could not be met from state resources. 3. Special budgetary allocation on disaster preparedness and mitigation measures.
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)	1. Integration with the district plan and fixed targets for each identified pockets of the district. 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; 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, SadakPani (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	To provide access to un-electrified villages

	Gram Jyoti Yojana (BGJY)	
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

Activities/ Projects

- Construction of multipurpose cyclone and flood shelters.
- Removal of hoardings before specified cyclone period
- Trimming of trees and shrubs and removal of damaged and decayed parts of trees close to localities and critical infrastructure
- Public safety norms and constructions in places of worship and mass gathering
- Soil erosion control and riverbank stabilization
- Road and Highway Stabilization
- Bridge abutment stabilization
- Protection of Roads, Culverts and Bridges against flood- grass plantation
- Repair and Maintenance of Embankments against flooding and erosion. Retrofitting of vulnerable spots to prevent embankment breaches
- Cross Drainage Works:- Construction of causeways and culverts sufficient for carrying water more than historical records to prevent flash floods in downstream villages
- Drinking Water:
    - Habitations to be covered under pipe water supply scheme
    - Water supply in scarcity areas in during summer season
    - Raising of hand pumps in flood prone areas
    - Repair/ Replacement of non-functional hand pumps
- Sanitation:
    - Community Mobilization
    - Construction of Toilets
    - Municipal Waste Management
    - Sewerage System in ULBs
- Plantation: River bank plantation, AR, ANR, Hill Slope Plantation, Fodder Plantation, Agro forestry etc.
- Soil conservation works.
- Water harvesting
- Prevention of Road Accidents:
    - Putting up of signage in accident prone zones
    - Light reflectors
    - Diversion boards for roads and bridges
    - Repair of potholes & construction of Speed breakers
- Immunization
- Preventive measures against vector borne diseases
- Risk Transfer: Crop insurance/ livestock insurance
- Measures against animal depredation- Trenching/ Fencing
- Awareness generation programmes on disaster prevention and mitigation
- Mainstreaming 6isaster Risk Reduction (DRR) in development activities]

Chapter – 6

6.1 Climate Change Adaptation & Mitigation

Weather and climate are the results of complex interactions betweenanthropogenic and naturalfactors. Evidence of global climate change includehigheraveragetemperatures, changes in precipitation, oceanwarming, ocean acidification, sealevelrise, decreasingseaice, and changes in physical and biologicalsystems. Observedclimate change can belinkedwith the increase of green house gas concentrations in the atmospheresince the industrialrevolution. 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 existthat 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_2, CH_4 and N_2O) 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_6 and NF_3).

Table :6.1

Greenhouse Gas	Global Warming Potential (GWP) (over 100 years)	% of Total Anthropogenic GHG Emissions (2010)
Carbon dioxide (CO_2)	1	76%
Methane (CH_4)	25	16%
Nitrous oxide (N_2O)	298	6%
Hydrofluorocarbons (HFCs)	124-14,800	< 2%
Perfluorocarbons (PFCs)	7,390-12,200	< 2%
Sulphur hexafluoride (SF_6)	22,800	< 2%
Nitrogen trifluoride (NF_3)	17,200	< 2%

6.2 Important GreenhouseGases: Carbon Dioxide (Co_2)

Most important greenhouse gas (contributes ~64% to total radiative forcing by long-lived GHGs). Half of CO_2 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_2). 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_2 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_2 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_2 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 polluants emited (PPM)	Action taken for cutting down émission

6.3 Important GreenhouseGases:Methane (CH4)

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_4) 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	Annualémission (In PPM)	Ranking as per CH4 Emission (PPM)	Action taken for cutting down émission

6.4 Important GreenhouseGases:Nitrous Oxide(N2O)

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_20 are fertilizer production and use in agriculture and various industrial processes. It is estimated that N_20 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 /Industrialprocesses	Annual Usage (In tonnes)	Ranking as per N2O Emission (PPM)	Other major polluants emited (PPM)	Action taken for cutting down émission

6.5 Important GreenhouseGases :FluorinatedGases

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_6). 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_6).

- 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_6) 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 flourinatedgas Emission (PPM)	Action taken for cutting

					down émission

6.6 Important Green House Gases:chlorofluorocarbons (CFCs)

Chlorofluorocarbons (CFCs) an important Green House Gas contribute about 12% to radiative forcing by long-lived GHGshas 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 flourinatedgas 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

6.7 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 (Anthrpogenic) to Climate Change (*Table :6.7)*

Greenhouse Gas	Human Source (Examples)	% of Total Global GHG Emissions (2010)
Carbon dioxide (CO_2)	Fossil fuel combustion, land use changes, cement production, etc	76%
Methane (CH_4)	Fossil fuel mining/distribution, livestock, rice agriculture, landfills, etc	16%
Nitrous oxide (N_2O)	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_6)	Insulator in electronics and magnesium industry, etc	< 2%
Nitrogen trifluoride (NF_3)	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_2 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_2 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_2 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)

6.8 Sectorswith High Mitigation Potential(Table : 6.9)

Sl No	Sectors	Mitigation Options

1	Energy	• Use of renewable heat and power (hydropower, solar, wind, geothermal and bio-energy) • Improved supply and distribution efficiency • Carbon capture storage (CCS) • Combined heat and power
2	Transport	• More fuel efficient vehicles • Use of alternative energy sources (biofuels, cleaner diesel, etc.) • Better land-use and transport planning • Shift from individual transport to public transport systems • More efficient driving practices • Non-motorized transport (cycling, walking)
3	Industry	• Process-specific technologies that improve efficiency and reduce emissions • Material recycling and substitution • Heat and power recovery/cogeneration • Control of greenhouse gas emissions
4	Agriculture	• Manure and livestock management to reduce CH_4 emissions • Improved fertilizer application techniques to reduce N_2O emissions • Improved crop and grazing land management to increase soil carbon storage • Restoration of cultivated peaty soils and degraded lands • Agro-forestry practices
5	Forestry	• Reduced deforestation • Afforestation/reforestation • Forest management • Tree species improvement to increase biomass productivity and carbon sequestration
6	Waste	• Landfill methane recovery • Waste incineration with energy recovery • Composting of organic waste • Controlled wastewater treatment • Recycling and waste minimization • Biocovers and biofilters to optimize CH_4 oxidation

Chapter – 7
Safety of Schools and Child Care Institutions

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

7.1 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

State & District Level	**School Level:**
• Policy for safety audits in all schools • 'Stability certificate' by Government-certified engineer. • Manual for fire safety procedures and other safety precautions • The National Building Code of India, 2005, to construct fire-safe buildings. (Revised 2016)	• 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. • Fire insurance coverage should be made mandatory for all schools. • Ensuring that the kitchen in the precincts of the school has adequate safety mechanisms.

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***

7.2 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 beingduring 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).**

7.3 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

7.4 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

7.5 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

7.6 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**(Number)**						
2	Schools having School Disaster management Plan**(Number)**						
3	Schools having conducted Safety Audits (Structural)**(Number)**						
b	Safety Audits (Non-Structural)**(Number)**						
4	Schools having conducted Annual Mock Drills**(Number)**						
5	Schools Having Fire Extinguisher**(Number)**						

6	Schools Adhering to safety norms in storing inflammable & Toxic Material**(Number)**						
7	Schools confirming safety standards as per local building bye-laws (Latest)**(Number)**						
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)**(Number)**						
9	Schools where students & teachers undergo regular training on School Safety & Disaster Preparedness **(Number)**						
10	Schools where disaster management is being taught as part of the curriculum **(Number)**						

7.7 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.	Yes		
2	Preparation of School disaster management plan	Process is going on		

Details of Child Care Institutions

SL NO.	DETAILS OF CCI's	Total numbers of Cildren Living in CCI at Present		CUMULATIVE RECORD FOUND	CONTACT DETAILS		
		GIRL	BOYS	(a+b-c)	Contact Person	Contact No	e-mail ids
1	BanabasiSeva Samiti, At-Dongriguda, Po-Deypur, Ps-Bhawanipatna, Dist-Kalahandi	0	53	**53**	Manoj Kumar Jal	7008497821	awtcbajsskld@gmail.com banabasi72@gmail.com
2	New Life Power Gospel Fellowship, At-Boring Padar, Ps-Kesinga, Kalahandi.	45	2	**47**	Siani Harpal	9938065937	nlpgforissa@yahoo.com
3	JasodaAnatha Ashram, At-Gambhariguda, Po-Dharmagarh, Dist-Kalahandi.	26	20	**46**	Shyam Sundar Jal	9937262774	jasoda.childrenhome@gmail.com
4	Bal Gopal Seva Niketan, At-Kantabanji (Kesinga Road), Po/Ps-Bhawanipatna, Dist-Kalahandi.	0	53	**53**	Hemanta Kumar Mund	9437361231	hemantamund456@gmail.com
5	Good News Dream Centre, At-Dengsargi, Po-Sergarh, Ps-Narla, Dist-Kalahandi.	**Closed down in the Month of October 2018**					

6	Navjeevan Orphan Children Home, At/Po/Ps-Golamunda, Dist-Kalahandi.	16	14	**30**	Ram Bilas Sagar	9937486597	asrayagolamunda@yahoo.in
7	Nehru Seva Sangha, At-Parmanandpur, Po/Ps-Bhawanipatna, Dist-Kalahandi.	64	39	**103**	AshalataSahu	8338945540	nehrusevasangh.bhawanipatna@gmail.com
8	Dr. B.R. Ambedkar SevaAnatha Ashram, At-Pandkul, Po/Ps-Golamunda, Dist-Kalahandi.	28	22	**50**	MahirajPanigrahi	9937516896	ambedkarsevashram@gmail.com
9	Emmanuel Ministries of India At/Po/Ps-Dharmagarh, Dist-Kalahandi.	44	34	**78**	DhaniramTandi	9437140627	dhaniramtandi@gmail.com
10	"Navajeevan Seva Mandal" At/po-Boring Padar, Po/Ps-Kesinga, Dist-Kalahandi	19	17	**36**	Dibakara Kumar	9776605015 7250626953	nsmkesinga@gmail.com
11	ALTC Boys Home" At-Burat, Po/Ps-M.Rampur, Dist-Kalahandi	0	28	**28**	Pankaj Naik	9668463241	dibyanshnetplanet@gmail.com
12	PRAYAS managed by VISION, At-Sambhunagar Pada,	4	5	**9**	Saroj Kumar Dash	8456823036	visionkalahandi@yahoo.com

	Po/Ps-Bhawanipatna, Dist-Kalahandi						
		246	**287**	**533**			

Chapter – 8: Capacity Building Measures:

8.1 Approach

Developing a DDMP without building capacity or raising awareness amongst stake- holders 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.

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

Sl. No.	Name of the Course/ Training Programme	Participants	Duration of the Training Programme	Month of Organization	To be Organized by	Remarks if any
1.	Orientation training programme on "Disaster management"	ADM, Sub-Collector, All BDOs, Tahasildars, Head of line departments, Police & Fire Dept. etc.	1 day	March	DDMA/ Collector	
2	Orientation training on DDMP preparation.	ADM, Sub-Collector All BDOs, Tahasildars, Head of line departments,	1 day	M	DDMA/ Collector	

		Police & Fire Dept. etc.				
3	Orientation Programme on Shelter management	President, Secretary & members of MFSs	1 Days	March	DDMA/ Collector	In 4 batches
4	Training programme on heat wave preparedness	All BDOs/ EE RWS &S, CDMO, CDVO, NGOs, etc.	1 day	April	DDMA/ Collector	
5	Hospital preparedness and mass causality management including hospital management plan	Doctors and Hospital Administrators	1 Day	April	DDMA/ Collector	
6	Orientation programme on "FAMEX"	Principal/ Head Masters of all Govt. & Private Institutions	1days	April	DDMA/ Collector	In 10 to 15 Batches
7	Sensitisation workshop on " Heat Wave Action Plan"	All DLOs/ BDOS/ Tahasildars	1 day	May	DDMA/ Collector	In 2 Batches
8	Training progamme on treating heat wave related health issues	Doctors and Paramedical Staff/ ANMs/AWWs	1 day	May	DDMA/ Collector	In 4 to 5 Batches
9	Sensitisation workshop on " Heat Wave"	SHGs/ AW \Ws/ ASHAs/ NGOs/PRI Members	1 day	May	DDMA/ Collector	Block wise/ Gram Panchaya t wise
10	Training of teachers on school safety including DM plan and conduct of Mock Drills	Principal/ Head Masters of all Govt. & Private Institutions	1 day	June	DDMA/ Collector	
11	SDRF/NDRF norms & Odisha Relief code	ADM, Sub-Collector All BDOs, Tahasildars	1 day	June	DDMA/ Collector	

12	Post disaster damage assessment	DDA, DAOs,AEs of all Blocks and line departments	1 day	June	DDMA/ Collector	
13	GIS mapping of Utilities	Block Computer Programmers, Line Department MIS officials	1 day	July	DDMA/ Collector	
14	Public health in emergencies- safe drinking water and sanitation	All BDOs, Block and district level officials of PHED/ RWS & S Dept.	1 Day	July	DDMA/ Collector	
15	Role of PRIs and ULBs in disaster management.	Members of ZP and ULBs, Chairman & Vice Chairman of PS.	1 day	July	DDMA/ Collector	
16	training programmes on role of PRIs in disaster management	Sarapanch/ PS members/Ward member	1 Day	August	DDMA/ Collector	In 4 to 5 batches
17	Search & rescue and safe evacuation.	Civil Defence Volunteers, Red cross, NSS, NYK Volunteers, NCC	1 days	August	DDMA/ Collector	In 4 to 5 Batches
18	Role of NGOs/VOs/CBOs in disaster management.	District and block level NGOs/ VOs involved with district admn. in disaster management	1 Day	September	DDMA/ Collector	
19	Training of ZKSS and BKSS members on basics of disaster management and creating community level	ZKSS and BKS members	1 day	September	DDMA/ Collector	

	awareness for dos and don'ts related to common disasters.					
20	Role of Media in Disaster Management	Media Personal	1 day	September	DDMA/ Collector	
21	Rain gauge management & reading	All point person in the Block office	1 Day	October	DDMA/ Collector	
22	Sensitisation workshop on " Lightning"	SHGs/ AWWs/ ASHAs/ NGOs/PRI Members	1 day	October	DDMA/ Collector	Block wise/ Gram Panchaya t wise
23	Training programme on "Lightning Disaster management"	Civil Defence Volunteers, Red cross, NSS, NYK Volunteers, NCC, VNV	1 days	November-December-January	DDMA/ Collector	In 10 to 15 Batches
24	Sensitization workshop on "Drought Management"	All point person in the District level & Block level	1 day	November	DDMA/ Collector	
25	Orientation training programme on "Disaster management"	Civil Defence Volunteers, Red cross, NSS, NYK Volunteers, NCC, VNV	1 days	February-March	DDMA/ Collector	In 10 to 15 Batches

Tabletop Exercise:

[Each year in the 1st week of April, Collector to organize a tabletop exercise involving all district and block level key officials to assess the emergency response plans for various disasters.]

8.2 District/ Block level Mock Drills:

Sl. No.	Type of Mock Drill	Officials/ Institutions to be involved	Month/ Date	Remarks
1	Tsunami	Concerned Line Deptt.	19th June 2019 & any other day as	
2	Flood			
3	Cyclone			

4	Industrial Accidents/ Industry Specific Mock drills		suggested by the SRC.	

8.3 Disaster management Education (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.	1. Govt HS Junagarh 2. Lankeswari HS Junagarh 3. Durgamadhaba HS Kalampur 4. KesingaVidyapitha, Kesinga 5. Janata HS Kashrupada 6. Tundla HS Tundla 7. Karlapada HS Karlapada 8. Khageswar HS Baldiamal	During July 19	
2	Preparation of School disaster management plan	-do-	Through out the year	

8.4 Community Capacity Building and Community Based Disaster Management:

Sl. No.	Block Name	No. of vulnerable villages to be covered during 2017-18	No. of VDMC and task force member to be oriented	No. NGOs to be involved in the process	Time line	Remarks
1	Bhawanipatna	11	110	3	July-Dec	
2	Kesinga	2	20	2	July-Dec18	
3	Golamunda	11	110	3	July- Dec 18	
4	Kalampur	2	20	1	July-Dec18	

5	Junagarh	2	20	1	July-Dec18	
6	Dharmagarh	2	20	1	July-Dec18	

8.5Capacity building of Cyclone and Flood Shelter Maintenance & Management Committee and Task Force members:

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	Orientation of CSMMC and FSMMC	500	25	By Dec 2018	
2	Training of task force members on Search & Rescue and First Aid	200	5	By September	

8.6 Shelter level mock drills:

Sl. No.	Type	No. of Cyclone/ Flood Shelters to be covered	No. of villages to be covered.	Month/ Date
1	Cyclone Mock drill	-	-	-
2	Tsunami Mock drill	-	-	-
3	Flood Mock drill	54	54	By Dec 19

Chapter – 9: Preparedness

9.1Relief Lines : District to Blocks

9.1 Preparedness at District level:

Task	Activity
District Emergency operation Centre (DEOC)	• Test Checkup of all communication Interfaces in regular interval • Proper manning of the Control Room as per Para-10 of the Odisha Relief Code • A dedicated vehicle must be earmarked for Control Room
Upward & Downward Communication	• Have a list of Nodal person with contact details • Establish regular linkages with all important stakeholders • Contact SEOC regularly
Meeting of DDMA (Heads of the department & stakeholder)	• DDMA must meet twice every year & before any disaster • Fix time & venue for regular Preparedness meeting to Assess preparedness of District /Department /Civil Society /Block Community /Family /Individual level regularly

	• Circulate the minutes of the meeting with clear-cut role & responsibility
Capacity Building	• Identifying & designating Nodal Officer for different Dept. • Capacity building & skill upgradation of ODRAF/Fire services/ Police/Home Guard • Identify Volunteer like Civil Defense/Cyclone shelter Task Force/NCC/NSS/Scout & Guide & train them on Search & Rescue, First aid, evacuation etc. • Take stake of required materials for search & rescue, first aid, casualty management, evacuation, relief etc. & update IDRN portal regularly • Assess preparedness through Mock drill at District, Block & Community level
Shelter Management	• Take necessary steps for operation & maintenance of shelters • Test Check of various Equipment at shelter level & repair of the defective ones • Ensure regular meeting of Shelter committee • Assess Shelter level preparedness through Mock drill l
Planning & Reporting	• Collect & transmit Rain fall data regularly • Collect & transmit weather report regularly • Ensure preparation of Disaster Management Plans & Safety plans at all levels • Capacity building of all Stake holders • Integrate the District plan with block & Village disaster management Plans • Develop healthy media partnership

9.2 Preparedness at Community Level

Task	Activity
Early Warning Dissemination	• Build regular linkages with BEOC & DEOC • Test Check of various Equipment at shelter level & repair of the defective ones • Keep updates from BEOC/DEOC • Monitor & Transmit updates to BEOC • Supply required information to BEOC & DEOC
Ensuring Preparedness	• Have a list of Nodal person deployed in the village with contact details • Identification of safer routes & shelters • Identify possible ways to reach persons like Farmers/Fisherman/NTFP collectors etc. who ventures into fields, sea & forest respectively • Build teams from among the task force on Search & Rescue, First aid, Damage & loss assessment • Assess preparedness at Family/Individual level • Test Check-up of equipment's

Ensuring Preparedness	• Understand Local dynamics exposed & vulnerable to different disaster • local Social Economic & weather conditions • Develop Village DM plan • List of emergency contact Nos. & display it in Centre places. • Participate in the activities of Preparing village Disaster Management, developing Safety plans, Capacity building Programmes& Mock Drills

9.3 Preparedness at Family Level

Task	Activity
Warning Communication	• List the minimum Important requirements Keep all the important Documents in a water proof polythene • Record the Safe & alternative routes to shelter • Keep News update in Radio/TV
Preparedness	• 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 & charger / radio • Family must have a "Ready to go First Aid Kit" containing Iodine/ Band aids/ Cotton/ Medicines/ ORS/ ointments/ scissor/ halogens etc. • Assess preparedness on a regular basis by checking Radio/Mobile/ Emergency Kit/First Aid Kit/Fuels & Kerosene (as per need) • Replace the damaged outdated or expired materials with new ones.
Capacity Building	• Participate & involve in the activities of village disaster Management plan, preparation of Safety plans, participate in Capacity building Programmes& involve in Mock Drills

9.4 Preparedness at Individual Level

Task	Activity
Early Warning Dissemination	• List & keep a ready to go minimum Important requirements • Record the Safe & alternative routes to shelter • Keep News update in Radio/TV

Ensuring Preparedness	• Every individual/children must have a Personal Identity information like a copy of Aadhar card/ Voter ID / School Identity Card & Contact numbers of Preferably two who can be contacted in time of emergency • Family members especially kids must be sensitized about family gathering point during disaster & crowded places • Assess preparedness on a regular basis by checking Radio/Mobile/ Emergency Kit/First Aid Kit/Fuels & Kerosene (as per need)
Capacity development	• Participate & involve in the activities of • Disaster Management • Safety plans • Capacity building Programmes • Mock Drills & FAMEX

9.5 Preparedness of Departments

Name of the Department	Normal Time
Collector/ADM / Emergency Officer	➢ Ensure regular meetings of District Disaster Management Authority ➢ Develop & update Disaster Management Plan, carry out Hazard analysis in the district ➢ Identify safe alternate routes to cyclone shelters. ➢ Keep a list of Contacts of EoCs, Nodal officer of different departments, Important stake holders, Village leaders, shelters ➢ List of Relief lines & storage places ➢ List & maintenance of SAR equipment ➢ Capacity building of stakeholders & volunteers ➢ Asses preparedness through Mock Drills for different disasters at district department, block & community level ➢ Adopt sustainable mitigation measures ➢ Integrate DM & DRR features in development programmes
CDMO	➢ Disaster Management Plans & Safety plans for Hospitals ➢ Capacity building of Medical & Para Medical Staffs ➢ Assess preparedness through Mock Drills & familiar exercises ➢ Integrate department plans with plans with Village & Block Plans and development programmes ➢ Develop media partnership ➢ Develop capacity of hospitals with advance equipment, proper manning & disaster resilient infrastructures ➢ Stock piling of Life saving drugs/ORS packets/Halogen tablets on receipt of warning from the Collector/DCR ➢ Transmission of messages to all PHCs to stock medicines and keep the medical staff ready ➢ Disease surveillance and transmission of reports to the higher authorities on a daily basis. ➢ Vaccination. ➢ To obtain and transmit information on natural calamities from the DCR ➢ Advance inoculation programme in the flood/Cyclone prone areas. ➢ Ensuring distribution of areas of operation among the mobile team. ➢ Pre-distribution of basic medicines to the people who are likely to be affected ➢ Shifting the patients who are in critical situation to the District Hospital ➢ Awareness messages to stop the outbreak of epidemics ➢ Conducting mock drills
Superintendent of Police (SP)	➢ Reception of Warning from the DCR ➢ Communication establishment with District and Block/Tahasil Control rooms and departmental offices within the division.

	➢ Alerting the APR force for deployment at the time of calamity ➢ To issue directive to police field functionaries to co-operate with Revenue Personnel in management of Relief operation.
EE- RWSS	➢ Review and update precautionary measures and procedures and review with staff the precautions that have been taken to protect equipment. ➢ 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. ➢ Prepare plans for water distribution to all transit and relief camps, affected villages and cattle camps and ensure proper execution of these plans. ➢ Inform people to store an emergency supply of drinking water ➢ Investigation of alternate of water and its supply. ➢ Standby diesel pumps or generators should be installed in damage-proof buildings. ➢ A standby water supply should be available in the event of damage, saline intrusion or other pollution of the regular supply. ➢ Establish procedures for the emergency distribution of water if existing supply is disrupted. ➢ Make provisions to acquire tankers and establish other temporary means of distributing water on an emergency basis. ➢ Make provision to acquire containers and storage tanks, required for storing water on an emergency basis. ➢ Protect pump stations from water logging. ➢ Repair sewage lines where damage is detected. ➢ Repair water pipelines wherever damaged.
EE- Irrigation	➢ Check the wireless network and ensure that all the flood stations are connected. ➢ Establish mechanisms for exchange of information with irrigation divisions ➢ Inspect all the Bundhs, and check their height and slope. ➢ Check the top of the Bundhs, and if they have been cleared of encumbrances / encroachments and if they are motorable ➢ Check that all the Bundhs have been repaired/ reinforced, in particular those Bundhs which were damaged during the last floods. ➢ Check the drainage system of the Bundhs and ensure that the seepage and rat holes, etc. have been closed. ➢ 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 ➢ Check that the Junior engineers and other staff have been assigned their beats, and all the ➢ Arrangements for continuous vigilance over these Bundhs have been made.

	➢ Check that all rain gauge stations are functional, and arrangements have been made to report the readings. ➢ Check the regulators and siphons. Check thatthey have been repaired and cleaned, increasing the flow of water. ➢ Check all the anti-erosion works, necessary to maintain the Bundhs.
DAO- Agriculture	➢ Review and update precautionary measures and procedures. ➢ Check available stocks of equipments and materials which are likely to be most needed during and after flood/disaster. ➢ Stock agricultural equipments which may be required during and after flood. ➢ 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. ➢ All valuable equipments and instruments should be packed in protective coverings and stored in room the most damage-proof. ➢ Ensure that certified seeds of required varieties are available in adequate quantities. ➢ Develop a pest and disease monitoring system so that timely steps can be taken to reduce damage to corps. ➢ A pests and disease monitoring system should be developed to ensure that a full picture or risks is maintained. ➢ Plan for emergency accommodations for agriculture staff from outside the area. ➢ Extension Officers should be unplugged when flood/disaster warning is received.
EE- Rural Works	➢ Govt. buildings should be inspected and necessary repairs to be got executed to with standing hazards affected. ➢ Script for slides, pamphlets, and cultural programmers should be got prepared immediately. ➢ Arrangements should be made to obtain poster and films by addressing the Director through the Collectors. ➢ Public addresses equipment should be obtain kept ready. ➢ The community Radio sets available in the coastal villages should be ascertained ➢ The names of Hamlets where they are not available to be reported. ➢ The public should be fully educated regarding the precautionary measures & after cyclone through available media. ➢ Specific duties should be assigned to the field staff. ➢ The field staff should proceed to the place of work allotted and be ready to attend to cyclone duty.
EE- Public Works	➢ All personnel required for disaster management should work under the overall supervision and guidance of DM.

	➢ Review and update precautionary measures and procedures, and review with staff the precautions that have been taken to protect equipment. ➢ Vehicles should be inspected, fuel tanks filled and batteries and electrical wiring covered as necessary. ➢ Extra transport vehicles should be dispatched from headquarters and stationed at safe strategic spots along routes likely to be affected. ➢ Heavy equipments, such as front-end loaders, should be moved to areas likely to be damaged and secured in a safe place. ➢ Clean the area beneath bridges regularly for smooth flow of water excess. ➢ Maintain all the highways and access roads, which are critical from the point of view of supplying relief. ➢ 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. ➢ The designation of routes strategic to evacuation and relief should be identified and marked, in close coordination with police and District Control Room ➢ Establish a priority listing of roads which will be opened first. Among the most important are the roads to hospitals and main trunk routes ➢ Work under construction should be secured with ropes, sandbags and covered with tarpaulins if necessary. ➢ Construct/ reinforce the connecting roads from villages to roads, canals and Bundhs and raise their level so that people can access the high ground. ➢ Inspection of old buildings and suggesting retrofitting of weak buildings/ demolition of dangerous structures and evacuation of population. ➢ Carry out route opening by removing debris on the road. ➢ Begin clearing roads. Assemble casual labourers to work with experienced staff and divide them into work gangs.
DTO-Telecom	➢ Assess the different disaster scenarios and match the communications needs with the available resources. ➢ Ensure that TSPs (private and public) invest in preventive measures that will ensure maximum robustness and preparedness of the telecom networks during emergencies. ➢ Ensure that TSPs (private and public) develop detailed emergency plans for management of resources under their responsibility. ➢ Conduct annual reviews of the ETP/SOP - Organize annual symposium on telecommunications availability during emergency. – ➢ Update the communications plan according to development and innovations in emergency telecommunications systems.

	➢ Disseminate information among the Public and the district administration on the availability of telecom services and equipment's for use during emergencies.
CDVO	➢ 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. ➢ Prepare a list of water borne diseases that are preventable by vaccination. ➢ Publicize the information about common diseases afflicting livestock and the precautions that need to be taken. ➢ Assist the Revenue Department in preparing plans for cattle campus and cattle feeding centers. ➢ Stock emergency medical equipments which may be required during and post disaster Surgical packs should be assembled and sterilized. ➢ Enough stock of surgical packs should be sterilized to last for four to five days. ➢ 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. ➢ All valuable equipments and instruments should be packed in protective coverings and stored in room the most damage-proof. ➢ All electrical equipments should be unplugged when disaster warning is received. ➢ Organize vaccination campaigns in disaster prone villages before, during and after the disaster. ➢ 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. ➢ Arrange for emergency supplies of anesthetic drugs. ➢ Check stocks of equipments and drugs which are likely to be most needed during and after disaster. ➢ Fill department vehicles with fuel and park them in a protected area. ➢ Fill hospital water storage tanks and encourage water savings. If no storage thanks exists water for drinking should be drawn in clean containers and protected. ➢ Prepare an area of the hospital for receiving large number of livestock. ➢ Develop emergency admission procedures (with adequate record keeping). ➢ Establish cattle camps and additional veterinary aid centres at affected sites and designate an Officer In-charge for the camp. ➢ Estimate the requirement of water, fodder and animal feed, for cattle camps and organize the same.

	➢ Ensure that adequate sanitary conditions through cleaning operations are maintained in order to avoid outbreak of any epidemic. ➢ An injury and disease monitoring system should be developed, to ensure that a full picture of risk is maintained. ➢ Plan for emergency accommodations for veterinary staff from outside the area.
RTO/MVI	➢ 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. ➢ Provide requires vans and ambulances for mobile health and animal husbandry teams. ➢ Provide trucks, buses, jeeps, tractors, etc for evacuation and supply chain management ➢ Issue standing instructions to the State transport department for providing buses for evacuation and relief. ➢ Recall important functionaries from leave; communicate to the staff to man their places of duties like the ward and divisional offices and respective departments. ➢ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives.
DFO	➢ 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 ➢ Make personnel available to the District Magistrate, within the affected block,. If more personnel are required, recall those on leave. ➢ Identify areas that could be opened or made available for grazing or fodder collection in case of disaster ➢ 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. ➢ Ensure plantation to the maximum possible extent.
Railway	➢ Identification of flood prone areas, RAT, RAW and information prone to erosion/breaches and marking them on railways system map. ➢ Development of Flood Shelters for staff and passenger at suitable locations in the areas prone to repeated floods ➢ Study of changed water catchment area due to construction of highways, Dams. ➢ Study of changed rainy season month on a particular region. ➢ Action Plan for Alignment, Location, Design and Provision of Waterway on Railways Embankments ➢ Inspections of Railway Affecting Works – to be streamlined and timely ensured. ➢ Review of waterways for adequacy and alignment and measures to modify, if needed.

	➢ Status Note on the lessons learnt from the previous flood situations in the past 5 years. ➢ Bye-laws for buildings in flood plains. ➢ Making existing and new buildings and infrastructure capable of withstanding fury of floods.
EE-Electricity/OPTCL	➢ Review and update precautionary measures and procedures and review with staff the precautions that have been taken to protect equipment. ➢ Ensure that the Power Supply department to make alternate arrangements of emergency supply for the major offices from time of receipt of districts ➢ Check emergency tool kits, assembling any additional equipment needed. ➢ After receiving alert warning, immediately undertake following inspection of High tension lines, Towers, Sub-stations, Transformers, Insulators, Poles and other equipments ➢ Instruct district staff to disconnect the main electricity supply for the affected area. ➢ 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, ➢ etc. ➢ 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. ➢ Establish temporary electric supplies to transit camps feeding centres, relief camps and Site Operation Centre, District EOC and on access roads to the same. ➢ Establish temporary electric supplies for staging area. ➢ Compile an itemized assessment of damage, from reports made by various electrical receiving centres and sub-centres.
EE – PHED	➢ Formation of Disaster Management Cell and manning with senior personnel drawn from key sections of the dept. ➢ Formulation of Public Health Engineering related programme and activities by intonating them with hazard specific preventive and mitigation measures. ➢ Creation of stocks of installation materials at the district level for use in emergencies. ➢ Orientation and training of a team of technicians to do installation as quickly as possible. ➢ Strategizing the installation of hand-pumps etc. with hazard profile of the area in mind. ➢ 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.

	➢ In consultation with the Department of Disaster Management making special arrangements for the supply of drinking water in drought prone areas. ➢ Planning for repair and maintenance of the facilities created as a part of the programme and activities. ➢ Keeping a track of groundwater level and having a fresh look at the facilities created accordingly. ➢ Organizing interaction with Gram Panchayats for having proper sanitation facilities, and providing them support and guidance in planning, implementation and maintenance of the same. ➢ Procurement, upkeep and maintenance of sanitation equipment for use in emergencies.
DPS, SSA- School & Mass Education/ DEO - Higher Secondary Education	➢ Formation of Disaster Management Cell and manning the same by senior personnel drawn from key Directorates. ➢ Incorporating costs for preventive and mitigation measures for earthquake, flood, fire and cyclonic storm prone areas to construct disaster resistant school buildings. ➢ In association with Fire Dept. getting fire extinguishers installed in schools and teachers identified and trained in operating them. ➢ 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. ➢ Disaster Management shall be made a part of the school curriculum. ➢ The Department shall get quality films made on hazard wise disaster preparedness and organize their viewing by children and their parents. ➢ 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. ➢ 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.
BDO/Tahasildar	➢ Providing authentic information required by the DCR ➢ Preparing a record of previous disasters in the locality and analyzing the effects ➢ Preparing hazard maps of the Block./Tahasil& the GPs in minute details ➢ Mapping the cut off areas with alternate route map. ➢ Identification of shelter places in the maps ➢ Keeping a List of storage Points & facilities available, dealers of foodstuffs. ➢ Keeping a list of vulnerable people and area and weak points on embankments (if applicable)

	➢ Creating a Control Room at the respective level and assignment of duties to the staff. ➢ Pre-positioning of staff for site operation centers. ➢ Uninterrupted communication with the DCR ➢ Arrangement of alternative communication/generator sets, etc ➢ Formation of GP/village level disaster committees and task forces ➢ Arrangement of boats on hire available locally. ➢ Deployment of Boat in the most vulnerable areas. ➢ Organizing awareness camps at GP/village levels ➢ Dissemination of Warning: ➢ Crosschecking with the DCR for the authenticity of the warnings ➢ Arrangement or requisition of Jeeps/Trekkers/ Auto Rickshaw to disseminate received warning information's to the population of vulnerable / weak places ➢ Dissemination of warning/ coordination with District control room. ➢ Warning the people about probable affected areas ➢ Mobilizing the people to leave for identified shelters with their domestic animals and personnel belongings.

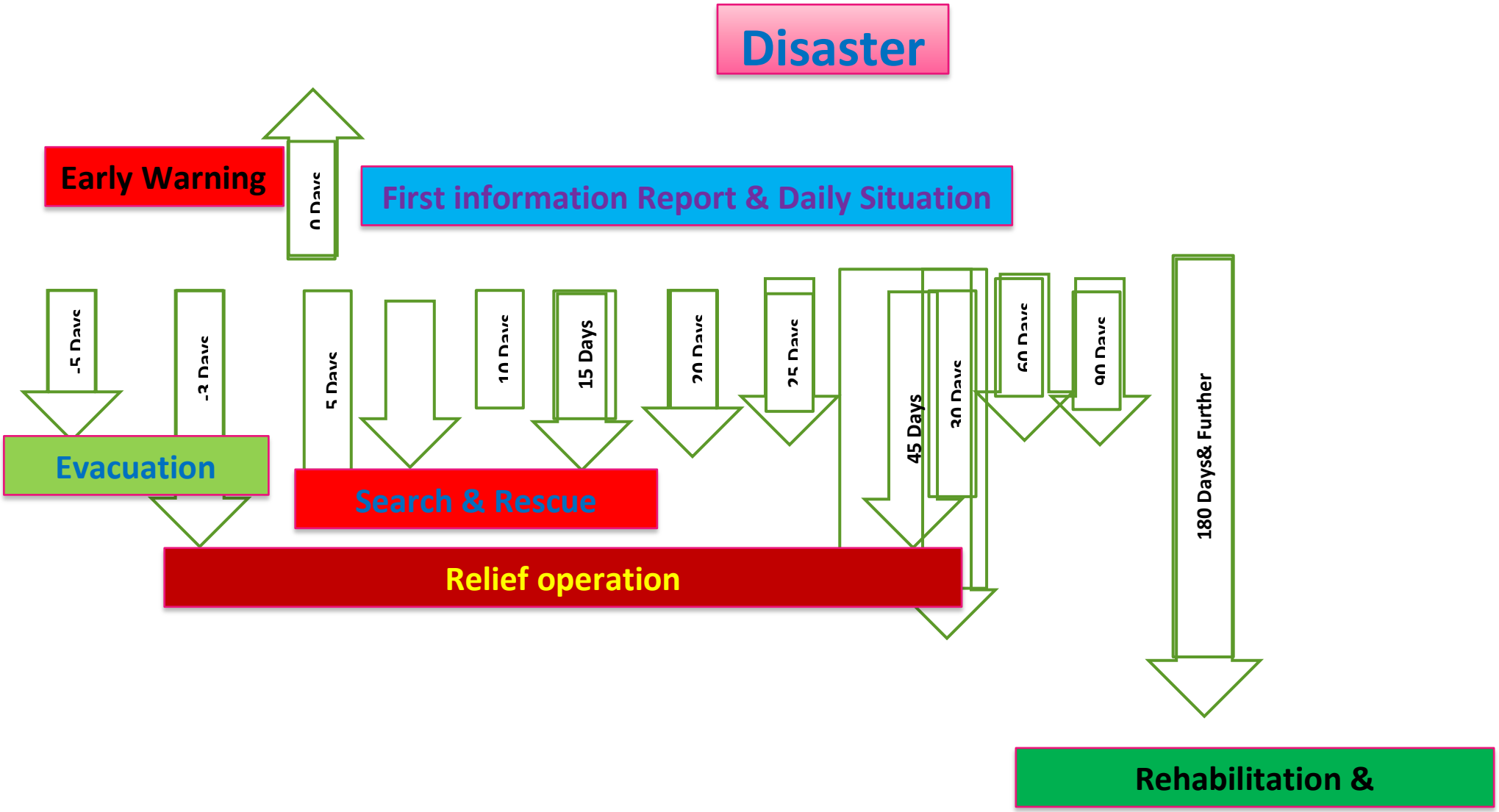
Chapter-10 Response

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.

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


Disaster
Early Warning
0 Days
First information Report & Daily Situation
-5 Days
-3 Days
5 Days
10 Days
15 Days
20 Days
25 Days
45 Days
30 Days
60 Days
90 Days
180 Days& Further
Evacuation
Search & Rescue
Relief operation
Rehabilitation &

Restoration & Recovery

Relief Management: Timeline

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

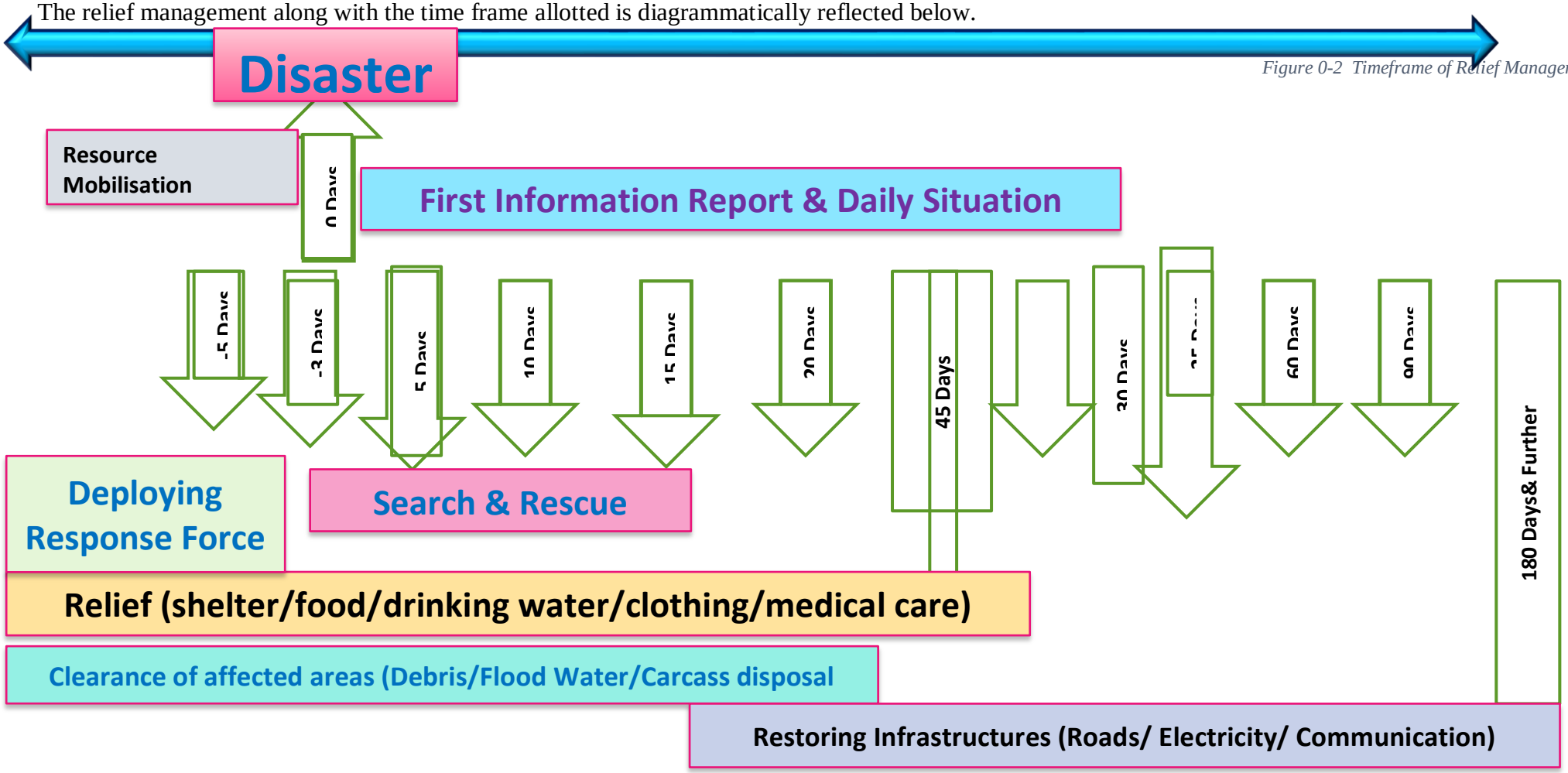


Figure 0-2 Timeframe of Relief Management

Response: District

Task	Activity
Warning Communication	• Warning dissemination to the list of Nodal person & concerned BDOs • Recording the receipt of information & regular Status update • Transmitting updates to SEOC in regular interval as instructed
Meeting of DDMA (Heads of the department & stakeholder)	• Collector to take up a department coordination meeting & distribute works among all the Departments • Collector issues circular to keep Govt. offices open cancelling all holidays. • A fixed time to be finalized every day for reporting at all level. • A nodal officer is identified for media management • Circulate the minutes of the meeting with clear-cut role & responsibility
Pre-positioning of staff, resources & Evacuation	• Identifying & designating Nodal Officer for different stages of disaster & affected areas. • Positioning of ODRAF/NDRF/Fire services/ Police/Home Guard in the affected areas • Pooling Volunteer services (Civil Defense/Task Force/NCC/NSS/Scout & Guide) • Take stake of required materials for search & rescue, first aid, casualty management, evacuation, relief etc. • Make necessary arrangements of shelters for evacuation • Constitute a special team for special care to vulnerable section like Specially abled, Sr. Citizen, Pregnant & lactating women, Infants & children etc.
Response	• EOCs to Ensure back up (Power/Fuel/internet/ Communication at Dist/Dept. & Block levels • Response force under guidance of Nodal officers ensure complete Evacuation (Human/ Animal), carry out Search & Rescue, clear relief lines,

	• Collector to submit requisition of vehicle/boat/ helicopters & list of support from state & Centre to all concerned authorities • CSO to store required relief materials (Chhuda. Gur, Dry Foods) in the nearby storage points • CDVO to store, transport & distribute required fodders for animals to the affected areas
	• Cyclone shelter committee & Village Disaster management committee to organize free kitchen in the shelters with help of revenue dept. • EE- RWSS & CDMO to ensure supply of drinking water, disinfection of water & maintain Health & hygiene in the shelters • CDMO to carry out First aid & casualty management • Collector to collect & transmit First Information Report (FIR) & Daily Situation Report as per requirement

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

Activity

- DEOC to disseminate warning communication to BEOC & Community
- Response force to ensure Power/Fuel/internet/ Communication at Shelters back up
- Supply Inspectors & Marketing Inspectors to distribute relief materials with response force, Task force & volunteers
- Response force to carry out Search & Rescue measures, Emergent relief operation, Relief line clearance, distribution of relief
- Doctors to carry out First aid & casualty management, Carcass disposal & sufficient mortuary facility in the affected areas

Response: Family & Individual Level

Task	Activity
Response	• Listen to the instruction of the response force & warnings

	• Economic use of "Ready to go Emergency Kit" Ready to go First Aid Kit • Cooperate the response force/officers & Render volunteer service if asked for • Maintain cleanliness & hygiene at shelter

Response: Standard Operating Procedures for Departments

Name of the Department	On Receiving Warning	Response time	Post Disaster
Collector/ADM / Emergency Officer	➢ Review the situation in DDMC ➢ Activate EOC & Early Warning ➢ Work distribution for operation ➢ Circular to keep offices open ➢ Arrange vehicle & activate Evacuation (Normal/Forceful)	➢ Activate Search & Rescue ➢ Arrange temporary shelters ➢ Arrange logistics in shelters ➢ Workout financial estimates (evacuation / relief /recovery)	➢ Activate relief line clearance ➢ Proper relief Distribution ➢ Start damage assesment ➢ Facilitate Ex-gratia & Compensation ➢ Start primary damage estimate ➢ Pool resources for SAR/shifting of critical patients
CDMO	➢ Disseminate the alert to all concerned (Staff list) ➢ Arrangement of medicine, First aid kits & teams ➢ Mobile Health units for	➢ Mass Casualty Management units & Triage ➢ First Aid Centers ➢ Medical surgical teams ➢ Adequate mortuary facility	➢ Psycho-Social Counseling ➢ Post Disaster Disease surveillance system ➢ Special attention to vulnerable section

	inaccessible pockets ➢ Identifying & shifting patients requiring intensive care to safer places ➢ Supply of medicines & pre-positioning of medical teams to vulnerable areas ➢ Vaccination for prevention of communicable diseases ➢ Measures to dis –infect drinking water ➢ Availability of Blood Banks/Ambulance	➢ Measures to shift patients requiring intensive care ➢ Pool of Blood donors (Preferably each group) ➢ Additional laboratories ➢ Carcass disposal team & units	➢ Networking with & promote treatment in Private Hospitals ➢ Carcass Management &Issuance of Death Certificate
Superintendent of Police (SP)	➢ Identify Disaster Prone area in the district ➢ Prepare a Deployment Plan for the	➢ Dispatch Police to systematically identity and assist people and communities in life threatening situation.	➢ Provide guards wherever needed particularly for staging area of cooperative food etc stores and

	Police force, based on the needs of the most vulnerable areas. ➢ Ensure that a sufficient number of police force is available for responding to the disaster situation. ➢ Establish coordination with the State Armed Police and Defense and Home Guards. ➢ Check the wireless communication network, and secure additional wireless sets for deployment during a disaster. ➢ Installation of radio	➢ Designate an area, within Police Station to be used as help line centre for public. ➢ With the assistance of health professional, help injured people and assist the community in organizing emergency transport of seriously injured to medical treatment centers. Ensure that the police stations with staff are functioning in disaster situation. ➢ Assist and encourage the community in road-cleaning operation.	distribution centers. ➢ Provide convoys for relief materials. ➢ Evacuation will be ordered by Deputy Commissioner, Addl. Commissioner and Superintendent of Police. ➢ Assist and encourage the community in road-cleaning operation. ➢ Assess and Identify road for following conditions/facilities one Way, Blocked, Alternate route, Overall Traffic Management, Other access roads. ➢ Provide security arrangements for

	communications at • District Control Room, Control room at affected site, Departmental Offices within the District & Division. ➢ Keep the police vehicles and other modest transport in readiness for deployment of the police. ➢ Call for emergency meeting to take stock of the situation.		visiting VVIPs and VIPs. ➢ Assist district authorities to take necessary action against Hoarders, Black Marketers and those found manipulating relief material.
EE- RWSS	➢ 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	➢ Will ensure supply of clean drinking water to affected areas. Will ensure transportation of water with minimum wastage. ➢ Will ensure supply of water purification installations, mobile systems, halogen tablets etc. for	➢ Must launch necessary awareness campaigns on safe water handling practices, environmental sanitation and individual hygiene along

	respect of Water and Sanitation preparedness in the district. ➢ Will inform all concerned RWSS- JE / AE of blocks and Panchayats to review essential emergency stocks and contingency plans to be able to respond in a timely manner. ➢ 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. ➢ Will be in constant touch with the local	providing clean drinking water ➢ 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. ➢ Will ensure availability of adequate number of toilets to prevent further contamination of water sources.	with hardware provision. ➢ Will visit as many areas as possible to have first-hand information of the situation. Will keep District Collector and E-in-C / Chief Engineer, RWSS informed daily about the action taken by him in his area. ➢ Local MLA, MP and other community leaders must be informed on measures taken by RWSS / PHED for an effective disaster response.

	IMD and other agencies in the district for information on impending disaster.		
EE- Irrigation	➢ When early signs of distress appear in any part of the district, EE Irigation will submit a special situation update to DM indicating the position in respect of Irrigation preparedness in the district. ➢ Prepare and update the disaster risk map of the district. The map should show the vulnerability and risks of the critical infrastructure	➢ Will ensure availability of adequate number of tool kits to prevent any damage during disaster. ➢ Provide special attention to those places where the Bundhs were breached and repaired during the last floods/disaster last year. These are the Bundhs, which will be threatened first during the disaster. ➢ Deployed adequate team in the most vulnerable areas.	➢ 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. ➢ Supply the essential tool kits and protection material at critical places for emergency repair and construction. ➢ Organize round the clock inspection and repair of equipments.

	related to irrigation and also whether alternate source of H2O within the district. ➢ Prepare a contingency plan for the maintenance and repairs of Bundhs and embankments. ➢ Identify Bundhs, which are critical for disaster protection and control. ➢ Review and update precautionary measures and procedures.		
DAO-Agriculture	➢ Prepare HRV Analysis of the district. ➢ Develop Contingency Action Plan based on HRV analysis.	➢ Supply of agricultural equipments which may be required during Disaster. ➢ All valuable equipments and instruments should	➢ Suggest variety of seeds and cropping pattern, which can reduce losses and reduce the risks to farmers

	➢ Review and update precautionary measures and procedures. ➢ Check available stocks of equipments and materials which are likely to be most needed during and after disaster ➢ 6. Provision of agricultural services should be coordinated with irrigation department, DRDO, District EOC, SITE OPERATIONS CENTREs.	be packed in protective coverings and stored in room the most damage-proof during disaster ➢ All electrical equipments should be unplugged during disaster period.	➢ Plan for emergency accommodations for agriculture staff from outside the area. ➢ A pests and disease monitoring system should be developed to ensure that a full picture or risks 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	➢ When early signs of distress appear in any part of the district, EE Rural works will submit a	➢ Will ensure availability of adequate number of tool kits to prevent any damage during disaster.	➢ Provide for agricultural rehabilitation of disaster affected area by necessary assistance, with the help of state

	special situation update to DM indicating the position in respect of rural works preparedness in the district. ➢ 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. ➢ Ensure community involvement in disaster preparedness on: Risk assessment (to point to which measures to implement);Ear ly warning	➢ Provide special attention to those places which were most vulnerable areas during disaster last year.. ➢ Deployed adequate team in the most vulnerable areas. ➢ Provide for preventive medication for entire livestock to check the spread of any disease among the surviving cattle. ➢ Ensure the rural communication system and shelter management process during disaster.	government, to affected farmers in activities such as sowing/harvestin g. ➢ Make available requisite seeds and fertilizers free of cost to the¬ farmers, of course, with the help of concerned government departments. ➢ Provide agricultural equipment/tools through Banks and other¬ funding agencies. ➢ Help in rehabilitation of artisans and marginal businessmen¬ affected due to the disaster. ➢ Make efforts to re-start schools as soon as possible and encourage

	systems; 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.		children to attend school regularly. ➢ 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.
EE- Public Works	➢ Conduct HRV analysis of PWD of the district. ➢ Based on HRV analysis, prepared Contingency Action Plan for	➢ Carry out route opening by removing debris on the road. ➢ Provide a work team carrying emergency tool kits, depending on the nature and extent of the disaster,	➢ 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

	the Department. ➢ All personnel required for disaster management should work under the overall supervision and guidance of Deputy Commissioner. ➢ All officers (technical officers) should be notified and should meet the staff to review emergency procedures. ➢ Review and update precautionary measures and procedures, and review with staff the precautions that have been taken to protect equipment.	essential equipments to the disaster spot. ➢ If people are evacuating an area, the evacuation routes should be checked and people assisted. ➢ 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.	maintenance engineer's staff and keep monitoring their conditions. ➢ Undertake construction of temporary roads to serve as access to temporary transit and relief camps, and medical facilities for flood victims. ➢ 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.

	➢ Maintain all the highways and access roads, which are critical from the point of view of supplying relief.		➢ 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.
DTO-Telecom	➢ Communication establishment with District and Block/ Tahasil control room and departmental officers within the division. ➢ An officer to be appointed as nodal officer • Standby arrangements for temporary electric supply or generators. ➢ Inspection and repair of poles etc. ➢ Identification of materials required for	➢ Where Disaster strikes with/ without early warning signals, TSPs shall immediately assess damage to their network and deploy Rapid Damage Assessment Team & 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,	➢ If required portable / vehicle mounted / air-transportable BTSs / BSCs with backhaul on satellite media may be installed by TSPs. ➢ 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.

	response operations. ➢ All staff informed about the disasters, likely damages and effect	all officers and staffs engaged in restoration of telecommunication services, etc ➢ A control room will be setup at the state HQ / nearest to affected area, as the case may be, and made operational under control of TERM cell of affected area.	➢ 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 ➢ All the affected areas and infrastructure will maintained immediately to make sure the effective communication after disaster for quick response.
CDVO	➢ Prepare HRV Analysis of Animal Husbandry Department of the District. ➢ Based on HRV Analysis, prepare Contingency	➢ . Supply stocks of equipments and drugs which are likely to be most needed during the disaster. ➢ Fill department vehicles with fuel and park them in a protected area.	➢ Post Disaster Disease surveillance system ➢ Special attention to vulnerable section ➢ Assist the Revenue Department in preparing plans

	Action Plan of the District. ➢ All personnel required for Disaster/Flood Management should work under supervision and guidelines of District Magistrate. ➢ 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. ➢ Stock emergency	➢ Prepare an area of the hospital for receiving large number of livestock during disaster. ➢ Distribute the requirement of water, fodder and animal feed, for cattle camps and organize the same. ➢ Ensure that adequate sanitary conditions through cleaning operations are maintained in order to avoid outbreak of any epidemic during disaster.	for cattle campus and cattle feeding centers. ➢ Organize vaccination campaigns in disaster prone villages after the disaster.

	medical equipments which may be required during and post disaster		
RTO/MVI	➢ Disseminate the alert to all concerned staff. ➢ 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. ➢ Issue standing instructions to the State transport department for providing buses for evacuation and relief. ➢ Recall important functionaries	➢ Provide requires vans and ambulances for mobile health and animal husbandry teams for immediate response during disaster. ➢ Provide trucks, buses, jeeps, tractors, etc for evacuation and supply chain management. ➢ Fill department vehicles with fuel and park them in a protected area.	➢ Providing vehicles for communication and relief. ➢ Provide ambulances to rural areas for bringing affected people to hospitals after disaster.

	from leave; communicate to the staff to man their places of duties like the ward and divisional offices and respective departments. ➢ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives.		
DFO-	➢ Conduct HRV analysis of Forest of the district. ➢ Based on HRV analysis, prepared Contingency Action Plan for the Department. ➢ All personnel required for disaster management	➢ Allow the transportation of fodder from forest areas, when the fodder is not freely available. ➢ Evacuate the people and animal under the forest areas to a safest place. ➢ Cut down the most vulnerable trees near the residential areas.	➢ Ensure Plantation to maximum possible extent. ➢ Ensure supply of wood for disposal of dead bodies. ➢ Recall important functionaries from leave; communicate to the staff to man their places of duties like the ward and divisional offices

	should work under the overall supervision and guidance of Deputy Commissioner. ➢ All district level officials of the department would be asked to report to the Deputy Commissioner when disaster occurs ➢ Emergency tools kits should be assembled for each division, and should include: Crosscut saws, Axes, rope.	➢ Provide wooden poles and bamboo for temporary shelter.	and respective departments. ➢ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives.
Railway	➢ Overall coordination with the district administration for disaster response.	➢ Activate Search & Rescue ➢ Arrange temporary shelters ➢ Mass Casualty Management units & Triage	➢ Providing necessary information to public. ➢ Clearing the railway line blockages and

	➢ Disseminate the alert to all concerned staff. ➢ Call for emergency meeting to take stock of the situation. Develop a strategy and objectives. ➢ 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.	➢ First Aid Centers ➢ Medical surgical teams ➢ 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.	restoration of the communication system. ➢ Providing relief line to the vulnerable areas after disaster. ➢ Special attention to vulnerable section.
EE-Electricity	➢ Conduct HRV analysis for the department of the district. ➢ Based on HRV analysis, prepare	➢ Instruct district staff to disconnect the main electricity supply for the affected area. ➢ Dispatch emergency repair groups	➢ Ensure that the Power Supply department to make alternate arrangements of emergency supply for the

	Contingency Action Plan of department of Power Supply. ➢ All personnel required for disaster management with work under the overall supervision and guidance of responsible officer. ➢ Establish radio communications with State Emergency Operation Centre, Divisional Commissioner, District Control Room and your departmental offices within District/Division. ➢ After receiving alert warning, immediately undertake	equipped with food, bedding, tents, and tools. ➢ 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, etc. ➢ Provide information to the people about the state of power supply. It is one of the most important sources of information.	following offices from time of receipt of districts: Hospitals ,Public Health Departments , Deputy Commissioner Office,District EOC, Sub-Divisional EOC, site Operation Centres. , Police Stations , Telecommunications buildings , Meteorological stations. Irrigation Office. ➢ Hire casual labourers on an emergency basis for clearing of damaged poles and salvage of conductors and insulators. ➢ Begin repair/reconstruction .

	following inspection: High tension lines ,Towers ,Sub-stations ,Transformers ,Insulators , Poles and Other equipments.		
EE – PHED	➢ 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. ➢ Prepare and update the disaster risk map of the district. The map should show the	➢ Will ensure availability of adequate number of tool kits to prevent any damage during disaster. ➢ Provide special attention to those places where the water supply were breached and repaired during the last disaster last year. ➢ Deployed adequate team in the most vulnerable areas. ➢ Opening the blockage of sewerage and sewage system during disaster to	➢ Supply the safe drinking water at the affected areas immediately after the disaster. ➢ Maintaince of Water works immediately after the disaster. ➢ Cleaning the sewerage system with adequate disinfection to prevent disease and epidemics.

	vulnerability and risks of the critical infrastructure related to water supply and public health. ➢ Prepare a contingency plan for the maintenance and repairs water pipe systems. ➢ Identify vulnerable areas, which are critical for disaster protection and control. ➢ Review and update precautionary measures and procedures.	control the disease and epidemics.	
DEO- School & Mass Education	➢ Conduct HRV analysis of schools of the district. ➢ Based on HRV analysis,	➢ Duck cover and hold first sign of earthquake move away from buildings.	➢ Dissemination of information on do's and don'ts so that the situation doesn't worsen. This can

	prepared Contingency Action Plan for the Department. ➢ All personnel required for disaster management should work under the overall supervision and guidance of the DEO. ➢ All officers (technical officers) should be notified and should meet the staff to review emergency procedures. ➢ Obtain IEC materials postars, Phmplets, simple tips on do's and don'ts in different disasters. ➢ Conduct awareness	➢ Assist the evacuation teams in evacuation of the school buildings. ➢ For a chemical hazard assist the warning team in disseminating the required safety tips to the entire school. ➢ Ensuring the schools becomes the shelter houses with adequate nos of equipments during the disaster.	be done in the coordination with the warning and information dissemination teams. ➢ The damaged building and infrastructure should repair immediately after the disaster. ➢ The relief lines should be measured from the school building after the disaster.

	generation activities systemically in the whole school targeting different classes and also staffs and teachers. ➢ Assists in organizations of the evacuations drills for various hazards.		
DEO - Higher Secondary Education	➢ Conduct HRV analysis of Higher Secondary schools of the district. ➢ Based on HRV analysis, prepared Contingency Action Plan for the Department. ➢ All personnel required for disaster	➢ Duck cover and hold first sign of earthquake move away from buildings. ➢ Assist the evacuation teams in evacuation of the school buildings. ➢ For a chemical hazard assist the warning team in disseminating the required safety tips to the entire school.	➢ 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. ➢ The damaged building and infrastructure should repair

	management should work under the overall supervision and guidance of the DEO. ➢ 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. ➢ Obtain IEC materials posters, Pamphlets, simple tips on do's and don'ts in different disasters. ➢ Conduct awareness generation activities systemically in the whole	➢ Ensuring the schools becomes the shelter houses with adequate nosofequipmentsdur ing the disaster.	immediately after the disaster. ➢ The relief lines should be measured from the school building after the disaster.

	school targeting different classes and also staffs and teachers. ➢ Assists in organizations of the evacuations drills for various hazards.		

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.

Standard Operating Procedure: Restoration & Rehabilitation

Name of the Department	**Normal Time**
Collector/ADM / Emergency Officer	• Restoration of Critical Infrastructures to bring situation to normalcy • Ensure Restoration of roads & channels, Communication network, Electricity & Energy • Ensure health in the affected areas • Adopt sustainable mitigation measures in the restoration activities
CDMO	• Carry out Disease surveillance measures to check epidemic prone diseases • Dis-infection of drinking water & measures for health & hygiene • Rehabilitation of deprived & destitute • Carry out Trauma & Psycho-social counseling

Superintendent of Police (SP)	• Security arrangements for relief materials in transit and in camps etc. • Senior police officers to be deployed in control rooms at State & district levels during L 1 level deployment onwards. • Deploy personnel to guard vulnerable embankments and at other risk points. • Arrangement for the safety. • Coordinate search, rescue and evacuation operations in coordination with the administration • Emergency traffic management. • Maintenance of law and order in the affected areas. • Assist administration in taking necessary action against hoarders, black marketers etc.
EE- RWSS	• Provision of tube wells at the squares, market places, bus stops, public buildings like schools, hospitals etc. to face the heat wave situation. • Alternate drinking water sources for the fluoride- affected areas like Roof top water harvesting, rainwater conservation and recycling. • Construction of drains in the villages for easy discharge of the flood water, wastewater and sewage • IEC campaign for safe drinking water and sanitation to prevent any health hazard in normal time in general and during disaster in particular.
EE- Irrigation	• Planning for new medium irrigation project and completion of the ongoing project in the rivers to increase the irrigational potential of the district. • Strengthening the weak points of the river embankments, • 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. • 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.

	• Planning and Construction of Minor Irrigation Projects at suitable location. • Construction of masonry check dams on some seasonal and perennial Nallas
DAO- Agriculture	• Encourage the formation of social institution to increase their access to credit, market, insurance etc. like Producers/Growers association, • Cooperatives, Societies, Farmers club etc. • 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 • Popularization of Seed Village scheme and promotion of Community managed Seed Bank. • Increase the access of farmers to appropriate agro information, market, credit etc. • Promotion of the cultivation of vegetables, spices, tuber crops, mushroom etc through on field demonstration and minikit distribution program. • Construction of low cost storage structures for the perishable agro/hort. Products. • Training of the SHGs, vegetable growers etc. on the package of practice, proper storage, processing and value addition of the hort. Products. • Treatment of arable and non-arable lands through various mechanical and vegetative measures to prevent further their degradation and increase productivity
EE- Rural Works	• Strengthening and restoration of infrastructure with an objective to eliminate the factor(s) which caused the damage.
EE- Public Works	• Construct/reinforce the connecting roads from villages to roads, canals and bunds and raise their level so that people can access the high ground.

	• Install adequate road signs to guide and assist the drivers. • 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. • Take on construction of temporary roads to serve as access to temporary transit and relief camps and medical facilities for disaster victims.
DTO-Telecom	• Assessment of damage and restoration of communication network. • Ensure all communication equipment installed at DEOC.
CDVO	• 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. • Improvement of the quality and productivity of local livestock through Artificial Insemination and other breeding process. • Strengthening of the dispensaries/Livestock Aid centers with staffs, medicines, and equipment to proper health care of the animal. • Capacity building of the grass root extension workers/Para worker/ farmers on animal health care and hygiene, AI/breeding, birth care etc. • 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. • Storage, Processing, Market linkage, Price fixatation of the livestock products • Promotion of the development of Institutions like Milk Cooperatives, Goat grower association etc.for better access to market, credit etc. • Introduction of Pisciculture in all the Dams, • Reservoirs/MIP/GP tanks and other bodies.

	• Supply of quality and productive fingerlings of fast growing/improved fish species. • Capacity building of fish farmers/grass root extn. Workers/SHG members on commercial pisciculture, fish seed and feed production etc.
RTO/MVI	• Emergency repairs of roads if affected must be carried out. • A system for priority transport of relief goods and personnel must be developed. • Relief goods may be considered for exemption from freight charges, if any. • All bus depots should be equipped with emergency communication equipments. • Every work gang should have tools which will be needed in an emergency. • This should include crosscut saws, axes and ropes. • Raincoats, caps and gumboots should be made available to work gangs in an emergency
DFO	• Improvement of the Vegetation coverage and Biomass production to meet the multiple community need like food, fuel wood, fodder etc. through three-tier plantation. • Regeneration of degraded village Common Property Resources like village forest, waste land through the gap filling and block plantation of multipurpose tree species. • Prevention of indiscriminate forest felling through strict introduction of rules and regulation and massive awareness generation. • 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.) • Fair Collection and marketing of the NTFP products • Restricted grazing of the cattle herd in the forest area is to be ensured to protect the natural regeneration of the forest ecosystem.

Railway	• Rapid access to the site of the accident. ϖ • Effective site management by making best use of on-board and locally available resources. • Quick extrication of victims. ϖ Speedy transportation of victims to hospital. • Proper communication system both for assisting the stranded passengers as well as giving out timely information to the media.
EE- Electricity	• Disconnect electricity after receipt of warning. • Attend sites of electrical accidents and assist in undertaking damage assessment. • Stand-by arrangements to ensure temporary electricity supply. • Inspection and repair of high tension lines /substations/transformers/poles etc. • Ensure the public and other agencies are safeguarded from any hazards, which may have occurred because of damage to electricity distribution systems. • Restore electricity to the affected area as quickly as possible. • Replace / restore of damaged poles/ salvaging of conductors and insulators.
EE – PHED	• Provision of tube wells at the squares, market places, bus stops, public buildings like schools, hospitals etc. • Alternate drinking water sources to affected area • Construction of drains for easy discharge of the flood water, wastewater and sewage • IEC campaign for safe drinking water and sanitation to prevent any health hazard in normal time in general and during disaster in particular.
DPC, SSA-School & Mass Education/ DEO - Higher Secondary Education	• Department and the field level institution will prepare a contingent Action Plan for their reconstruction. • 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.

Chapter 12.Recovery

An insightA 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;

APPROACHES TO BE ADOPTED

1. **Cash Approach:** Unconditional financial assistance is given without technical support. Financial assistance such as input subsidy, material assistance fire victim, ex-gratia to be deceases family etc. fall under this approach.
2. **Owner-Driven Approach:** Conditional financial assistance is given, accompanied by regulations and technical support. These are external supports to the victim areas where local government execute the projects with the financial and technical support of an external agency.
3. **Community-Driven Approach:** Financial and/or material assistance is channelled through community organizations that are actively involved in decision making and in managing the same. Recovery work such as livelihood and employment must be taken through this approach.
4. **Agency-Driven Approach:** Refers to an approach in which a governmental or nongovernmental agency hires an external agency to be engaged in post disaster management. All Infrastructure development projects to be taken under this approach.

PART-I: DROUGHT RECOVERY PLAN

Total Water Demand of the district for various sector

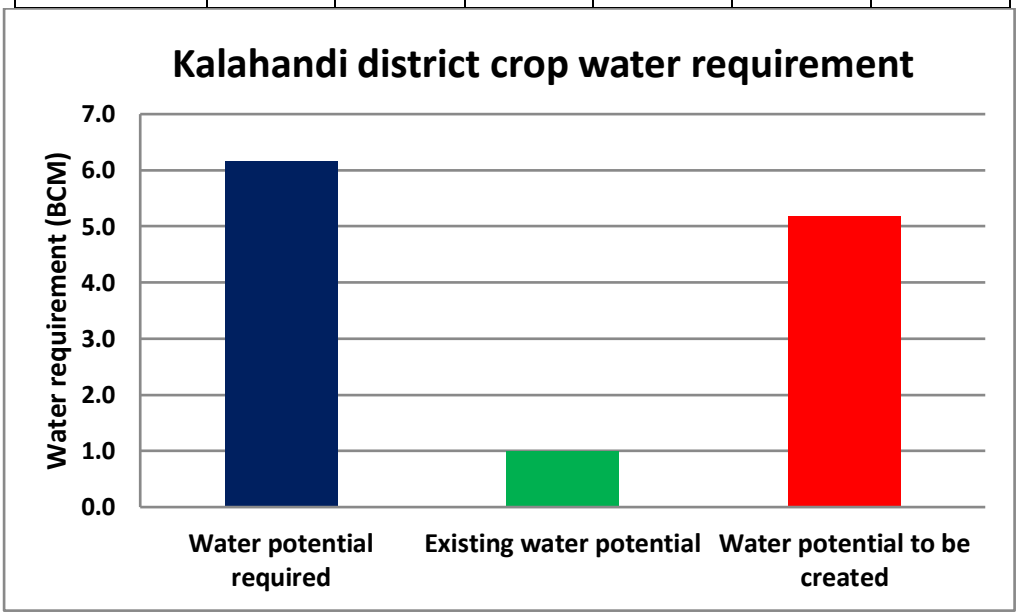
Total water demand of the district for various sector										
Block	Components for 2011 (In BCM)					Components for 2025 (In BCM)				
	Domestic	Crop	Livestock	Industrial	Total	Domestic	Crop	Livestock	Industrial	Total
Golamunda	0.00284	0.04753	0.00092	0.00043	0.05171	0.00572	0.30245	0.00097	0.00086	0.30999
Dharamagarh	0.00305	0.04753	0.00044	0.00046	0.05148	0.00615	0.85585	0.00047	0.00092	0.86340
Junagarh	0.00380	0.25611	0.00085	0.00057	0.26134	0.00767	1.59111	0.00090	0.00115	1.60083
Koksara	0.00261	0.06074	0.00087	0.00039	0.06461	0.00527	0.33361	0.00091	0.00079	0.34058
Jaipatna	0.00291	0.09422	0.00065	0.00044	0.09821	0.00587	1.01697	0.00068	0.00088	1.02440
Kalampur	0.00132	0.07537	0.00026	0.00020	0.07714	0.00265	0.59524	0.00027	0.00040	0.59856
Th. Rampur	0.00170	0.00592	0.00124	0.00026	0.00912	0.00344	0.09213	0.00131	0.00052	0.09739
Lanjigarh	0.00204	0.03891	0.00085	0.00031	0.04210	0.00412	0.12779	0.00089	0.00062	0.13341
Bhawanipatna	0.00373	0.05729	0.00142	0.00056	0.06300	0.00753	0.29729	0.00149	0.00113	0.30744
Kesinga	0.00254	0.05859	0.00090	0.00038	0.06240	0.00512	0.28604	0.00094	0.00077	0.29287
Karlamunda	0.00126	0.06471	0.00053	0.00019	0.06669	0.00254	0.23598	0.00056	0.00038	0.23945
M. Rampur	0.00182	0.03889	0.00069	0.00027	0.04167	0.00368	0.15101	0.00072	0.00055	0.15596
Narla	0.00265	0.06324	0.00082	0.00040	0.06711	0.00534	0.28062	0.00086	0.00080	0.28763
Total	**0.02654**	**0.74220**	**0.00840**	**0.00398**	**0.78112**	**0.05353**	**5.49848**	**0.00882**	**0.00803**	**5.56887**

Source: DIP, Kalahandi

Crop water demand

Table 4.2: Crop water requirement of Kalahandi district

Crops	Area sown (ha)	Irrigated area (ha)	Crop water demand (mm)	Water potential required (BCM)	Existing water potential (BCM)	Water potential to be created (BCM)
Cereals	257437	162568	1000	4.385996	0.191165	4.194831
Coarse cereals	21575	5716	450	0.076441	0.007787	0.068654
Pulses	182151	19823	500	0.361632	0.004416	0.357215
Oilseeds	48390	8615	500	0.137931	0.048856	0.089076
Cotton	45411	0	1000	0.056764	0.021517	0.035246
Horticulture	19827	4432	900	0.122025	0.021517	0.100508
Vegetables	6851	4113	550	0.061264	0.021517	0.039746
Any other	90049	59767	600	0.964042	0.021517	0.942524
Total	671691	265034	5500	6.166095	0.987938	5.178157



Source: DIP, Kalahandi

Domestic Water Demand of Kalahandi district

Domestic Water Demand of Kalahandi district										
District	Block code	Block Name	Population 2011			Population 2025			GWD 2011 (BCM)	GWD 2025 (BCM)
			Rural	Urban	Total	Rural	Urban	Total		
Kalahandi	260	Golamunda	129499	0	129499	156694	0	156694	0.002836	0.005719
	261	Dharamagarh	139359	0	139359	168624	0	168624	0.003052	0.006155
	262	Junagarh	173660	0	173660	210129	0	210129	0.003803	0.007670
	263	Koksara	119304	0	119304	144358	0	144358	0.002613	0.005269
	264	Jaipatna	124569	6155	130724	150728	7448	158176	0.002908	0.005869

	265	Kalampur	60075	0	60075	72691	0	72691	0.001316	0.002653
	266	Th. Rampur	77840	0	77840	94186	0	94186	0.001705	0.003438
	267	Lanjigarh	93179	0	93179	112747	0	112747	0.002041	0.004115
	268	Bhawanipatna	170527	0	170527	206338	0	206338	0.003735	0.007531
	269	Kesinga	115828	0	115828	140152	0	140152	0.002537	0.005116
	270	Karlamunda	57418	0	57418	69476	0	69476	0.001257	0.002536
	271	M. Rampur	72632	7892	80524	87885	9549	97434	0.001821	0.003679
	272	Narla	120992	0	120992	146400	0	146400	0.002650	0.005344
Total			**1454882**	**14047**	**1468929**	**1760407**	**16997**	**1777404**	**0.032272**	**0.065093**

Industrial water demand of Kalahandi district

Industrial water demand of Kalahandi district					
Block	Name of the Industry	Water demand (BCM)		Existing water potential (BCM)	Water potential to be created (BCM)
		2011	2025		
Golamunda	Industry of different types, hotels, hospitals, lodges, schools, offices etc.	0.000425404	0.000857899	0.048383949	-0.04752605
Dharamagarh		0.000457794	0.000923219	0.114049972	-0.113126753
Junagarh		0.000570473	0.001150454	0.257261255	-0.256110801
Koksara		0.000391914	0.000790359	0.061530567	-0.060740208
Jaipatna		0.000436168	0.000880313	0.095101725	-0.094221412
Kalampur		0.000197346	0.000397982	0.075766852	-0.07536887
Th. Rampur		0.000255704	0.000515671	0.00643532	-0.005919649
Lanjigarh		0.000306093	0.000617288	0.039527438	-0.038910151
Bhawanipatna		0.000560181	0.001129699	0.058414971	-0.057285272
Kesinga		0.000380495	0.000767332	0.059354654	-0.058587323
Karlamunda		0.000188618	0.00038038	0.065092585	-0.064712205
M. Rampur		0.000273163	0.000551786	0.039443907	-0.038892121
Narla		0.000397459	0.000801542	0.064046276	-0.063244734
Total (BCM)		**0.0039816**	**0.0080302**	**0.813685471**	**-0.805655258**
*If water potential to be created is negative indicates surplus avialbility of water resource					

RT-II: LIVELIHOOD RECOVERY PLAN

Sl	Scheme	Department	Activities	Cost Norms
1	MGNREGS	PRD	1. Irrigation Channel 2. Dug Well 3. NADEP composting	1. Irrigation channel as per estimated cost 2. Dug Well up to Rs.1.60 lakh

			4. Vermi composting 5. Liquid Bio Manures 6. Land Development with field bunding 7. Creation of water bodies including farm pond, de-silting of ponds, canals, defunct water bodies	3. Nadeep compost Rs.14,000/- (26:74) 4. Vermi compost-Rs. 20,000/- (24:76) 5. Liquid Bio Manure-Rs.2000/-(30:70) 6. Land development as per estimate 7. As per estimate
2	PMKSY	Watershed Development Mission	1. Lining 2. Inlet 3. Outlet 4. Silt trap 5. Adjustable gates etc.	1. Material cost beyond the specified limit, i.e., 40% in the MGNERGA
3	Jalanidhi	Agriculture	1. Dug well 2. Bore well 3. Shallow Tube Well (Individual farmer and cluster of farmer)	1. 75% of the project cost subject to a limit of Rs.75000/- 2. 75% of the project cost subject to a limit of Rs.50,000/- (excluding cost of electrification). In addition 75% of Genset /electrification cost subject to a limit of Rs.50000/-(for energisation) 3. 50% subsidy of the cost or maximum Rs. 20,000. In addition, in case of cluster of 10 nos. or more STWs the cost of electrification will be borne by the Government subject to a ceiling of Rs 4.00 lakh per cluster
4	Biju Krushak Kalyan Yojana (BKKY)	Health	Smart card for health treatment (Those families not covered under RSBY are to be benefitted with Rs 1 lakh for medical treatment both in Govt. & private hospital)	Health benefit up to 1 lakh
5	Infrastructure development for post harvesting	Agriculture/ PRD	Concrete Drying-cum-threshing Floor	20x20 meter community harvesting yard free of cost

6	Pradhan Mantri Crop insurance	Agriculture and Cooperation	Insurance facilities for the farmers cultivating paddy, ground nut, Ginger, Turmeric, Cotton etc.	The premium rate is 2% of total sum assured amount for Kharif crop, 1.5% for Rabi crop and 5 per cent for annual commercial horticulture crops
7	State Plan	Agriculture	1. Promotion SRI method 2. Soil Test 3. Technology Transfer 4. Demonstration, 5. Incentive to the farmers 6. Promotion of Improved Agronomic Package and Practices 7. Extension Services 8. Supply of Pump Set	Incentive of Rs. 4,700 per hectare to the farmer who adopting SRI method
8	Farm Mechanisation		Subsidy Assistance on Tractor, Power Tiller, Combined Harvester etc.	As per scheme guidelines
9	NFSM		Improve Package and Practices of Rice , Wheat, Pulses and Core Cereals	As per scheme guidelines
10	OLM	PRD	Promotion Producers Groups, Forward and Backward Linkages, bank linkage	As per the approved proposal

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 13th 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.

Ministry of Home Affairs, upon being satisfied that exigencies of a particular calamity so warrant, may recommend an earlier release of the Central share up to 25% of the funds due to the State in the following year. This release will be adjusted against the installments of the subsequent 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.

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.

13.3.1 Cases Eligible for Assistance under CMRF

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

13.3.1.2Aged, 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.

13.3.1.3Persons 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.

13.3.1.4 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.

13.4 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.

Part funds towards repair / restoration of immediate nature of the damaged public infrastructure are released to the Departments concerned. On receipt of requisition from the Collectors / Departments concerned, funds are released after obtaining approval / sanction of S.E.C. However, funds towards pure relief are released under orders of Special Relief Commissioner / Chief Secretary and the same is placed before the State Executive Committee in its next meeting for approval. To save time, Collectors have been instructed to disburse the ex-gratia assistance from the available cash and record the same on receipt of fund from Special Relief Commissioner.

13.5Damage 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.

13.5.1 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.

13.5.2 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.

13.6 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. It is also crucial to build communities resilience to deal with them. Moreover, as mandated by Ministry of Finance & Ministry of Home Affairs on 01st and 03rd June, 2014 respectively, 10 % flexi-fund within the centrally sponsored schemes (CSS) to be utilised, inter alia for mitigation / restoration activities in the event of natural calamities in the sector covered by CSS. Thus, relevant Central Government and State Government funded schemes are identified which are crucial to build over resilience of communities in the context of the district.

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 BimaYojna (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	JanashreeVimaYojna	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 BimaYojna	Life Insurance		life insurance cover for death due to any reason
4	Pradhan Mantri SurkhyaBimaYojna	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 FasalBima 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 (BKKY)	Health Insurance	Health	financial support through health and accident insurance
9	Mahatma Gandhi BunakarBimaYojana	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	Mitigtion measures	PR Dept., Govt. of India	Providing Employment opportunity to the poor villagers and to reduce the vulnerability of Panchayat vis a vis natural hazards such as drought, forest fire, cloud floods, etc by construction of different structure.
13	Pradhan Mantri Gram Sadak Yojana	Roads	Rural Works	Construction of all weatherroad and to ensure that in case of disasters these roads get provision for restoration to ensure all weather connectivity
14	Indira AwasYojana	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

13.7 Roles of District Planning committee on financial outlay on mainstreaming Disaster Risk Reduction (DRR) in development programms.

By bringing two major amendments to the Indian Constitution, the Government of India has introduced 73rd and 74th Constitutional Amendment Acts in the year 1992-1993, which laid the foundation for bottom up planning approach by introducing 3rd and 4th levels of planning at the grassroots level. These 3rd and 4th grassroots level planning organizations are 'District Planning Committee' and 'GramaSabhas/Ward Committees' respectively. The first and second levels of planning bodies are Central Planning Commission and State Planning Board respectively. So as per the 73rd and 74th amendments Act of the Constitution of India there is provision for an impetus to the process of decentralized planning having mandated devolution of powers to Panchayati Raj Institutions (PRIs) at village, block and district levels and its mandatory for 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, Kalahandi have been set up in the district for preparing the Comprehensive District plan. The vision documents 2020 of Kalahandi 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.

Role of DPC for mainstreaming Disaster Risk Reduction (DRR)

While the issues of climate change cripple formulated climate action in the district, mainstreaming climate change adaptation has emerged as a new area of focus for building resilience of vulnerable communities. Climate adaptive planning spans across departments (agriculture, water resources, rural development etc.) and vertical bureaucratic levels (district, block and village). CCA, i.e. adjustments in human and natural systems in response to actual or expected climatic variation, with a view to moderating harm or exploiting beneficial opportunities, is an area of growing concern for the district. The myriad and uncertain effects of a changing climate pose significant risks for development and achievement of the Sustainable Development Goals (SDGs) at district level. Following roles of DPC would be articulated to be reduced the disaster risk at various levels.

- Make certain that all the development programmes and projects are designed with evident consideration for potential disaster risks and to resist hazard impact in the district.
- Make certain that all the development programmes and projects do not inadvertently increase vulnerability to disaster in all sectors: social, physical, economic and environment
- Make certain that all the disaster relief and rehabilitation programmes and projects are designed to contribute to developmental aims and to reduce future disaster risk.

Procedure/Methodology for Mainstreaming of DRR and CCA in District Level Planning

Major Stakeholders and their Roles

Key players for DRR and CCA mainstreaming into development process at district level:

- NDMA, for research and development on the subject, formulation of strategies and guidelines, coordination and information management for DRR financing through international donor coordination and national level policy advocacy.
- SDMA, for research and development on the subject, formulation of province specific DRR strategies and guidelines and their implementation, coordination and nformation management for DRR financing and provincial level policy advocacy.
- DistrictlPlanning,, Development and Special Initiatives Department, for formulating DRR and Climate Change mitigation measures including building codes, formulation of checklists and mainstreaming DRR at provincial level development programs.
- Departments of Agriculture &Livestock,, for identification of vulnerabilities in development projects in agriculture & livestock department and introducing changing cropping patterns in the wake of climate change.
- Department of Education, , for detailed research and risk assessment of new education projects and detailed risk assessment of the present education infrastructure and recommendation of mitigation measures.

- Department of Health, for detailed research and risk assessment for new health projects and detailed risk assessment of the present health infrastructure and recommend mitigation measures accordingly. Also assess future health related hazards due to climate change and make necessary strategies accordingly.
- Department of Revenue, especially offices of Deputy Commissioner and Assistant Commissioner, for spearheading mainstreaming efforts in the district.
- Planning Office, for doing all the spade work and coordination of all the mainstreaming strings with all the stakeholders.
- Department of Irrigation, for detailed research and risk assessment for new irrigation projects and detailed risk assessment of the present irrigation infrastructure, recommend mitigation measures and monitor mitigation and mainstreaming initiatives.

Components of Disaster Risk Disaster Risk = <u>Hazard x Exposure x Vulnerability</u>

Capacity

Disaster Risk Management (DRM)

Disaster risk management (DRM) aims to avoid, reduce or transfer the adverse impacts of hazards on people, property and the environment through activities and measures. It is the systematic process of using administrative directives, organizations, and operational skills and capacities to implement strategies, policies and improved coping capacities in order to lessen the adverse impacts of hazards and the possibility of disaster.Disaster Risk eduction (DRR)Disaster risk reduction is the preparation and application of policies, strategies and practices to minimize vulnerabilities and hence disaster risk throughout society. It is the concept and practice of reducing disaster risks through systematic efforts to analyze and manage the causal factors of disasters, including through reduced exposure to hazards, lessened vulnerability of people and property, wise management of land and the environment, and improved preparedness for adverse events.

Few key actions for mainstreaming of DRR and CCA in development planning CCD of the district should consider the following key action points.

- Provision for adequate budget, dedicated staff, capacity development, a monitoring framework, and interdepartmental cooperation need to be in place for effective mainstreaming.
- More attention needs to be paid to the monitoring and measuring of mainstreaming. This should include an assessment of inclusion of gender issues and Below Poverty Line families in climate change planning.
- Risk diversification in the context of unpredictable climate patterns is necessary. The options need to include effective programmes of contingency crop planning, crop diversification including the use of hazard resistant crops as well as promoting supplementary income generation from off-farm and non-farm activities.
- The main obstacle in the path of government departments being able to address climate change concerns is dedicated personnel. Officials need to be highly skilled and trained. Additional qualities that an official needs to have in order to function effectively include empathy and communication.

- Detailed procedures that list the precise steps that are to be implemented in case of an emergency and by whom need to be put into place. This will ensure that systems work irrespective of the caliber of the individual official in position at that time. Preparation for a disaster as well as risk reduction should be incorporated in the development agenda of all departments. This step will ensure that citizens who are usually the first on the scene of a disaster are well-equipped to deal with emergencies and also reduce dependence on the National Disaster Response Force.

  To facilitate the process a set of checklists are given for vetting different projects/ developments through the lens of DRR and CCA as well as to check that they protect the communities from future disaster risks and do not increase their vulnerabilities to disasters. Each question is to be answered in Yes or No with specific remarks for the answer, if required.

13.8 Fund provision for disaster preparedness & capacity building

Allthough the district does not have separate capacity building funds provisions to face various types of disaster, but training programmes have been conducted for different stakeholders like government personnel and community on awareness for drought, flood and heat waves hazards by various departments as per the need of the districts and instructions communicated by the Govt. from time to time. Agriculture, Soil Conservation, Horticulture, ARD, Forest and PR departments organizes different training programme and exposure visit on different similar situation. In order to tackle heat wave situation department like Health, PR, RWSS and PHED, H&UD, Veterinary and forest organizes training programmes to minimize the effects of heat waves and reduce causality. Funds of the existing programme (funds allocated under CB components or contingency funds) have been used for this purpose.

Chapter 14:

"CASE STUDY ON DISASTER MANAGEMENT DURING FLASH FLOOD IN KALAHANDI DISTRCT" –IN THE YEAR 2018.

Introduction



During July to Aug 2018,in some Blocks of Kalahandi District received a heavy Rainfall. The cloud burst occurred all of a sudden that caught everyone unawares. During this month of July, it recorded a rainfall of 8477and in Aug 10605 mm in the District with an average of 1468 mm per Block . There were flash floods, and the Hati River, other river tributaries and waterways were overflowing. As many as 5 nos people were died, 2 persons were injured due to roof sliding due to this disaster. There was vast destruction all around. Thousand of houses collapsed. Men, women, and children were evacuated to Flood shelters. The local communication networks and transport services were affected. The main telephone exchange and mobile network system (BSNL), which was the lifeline in the far-flung parts of the region, was

hampered, Road transport was badly disrupted as roads were washed away.. The civil medical and health facilities were also severely affected due to disruption of road connectivity in many places.

Disaster management strategies

Three core disaster management strategies were adopted to manage the crisis. These strategies included: i) Response, rescue, and relief operations, ii) Mass casualty management, and iii) Rehabilitation.



The initial response was carried out immediately by the District administration. The rescue and relief work was led by the Local Fire fighting teams along with the ODRAF team. The ODRAF team activated the disaster management system immediately, which is always kept in full preparedness as per their standard protocols and procedures. The medical team were deputed to the affected area for quick respond through rescue and relief operations and mass casualty management. Due to flash floods, several houses were destroyed. The families were transferred to Flood shelters/ Schools provided by the government and non-government agencies. The need for permanent shelter for these people emerged as a major task. The victims were provided with financial support under House Building Assistance as per the norms of SDRF/ NDRF Guideline.

The District administration in coordination with the line departments maintains an inventory of essential medicines and supplies in readiness as a part of routing emergency preparedness. The essential non-food items were supplied to the affected areas. These included blankets, tents, Dry foods, Cooked food and clothes.

Public Health is seriously threatened in disasters, especially due to lack of water supply and sanitation. People having lost their homes and living in temporary shelters (tents) puts a great strain on water and sanitation facilities. The pumping station was washed away, thus caused disrupting water supply. The PHD & RWSS officials were instructed to take immediate action for supply of safe drinking water through Water Tankers to the affected areas.



There was a high risk of water-borne diseases following the disasterThere was an increased fly menace. There was an urgent need to prevent disease transmission due to contaminated drinking water sources and flies. There was also a need to rehabilitate people who suffered from crush injuries sustained during the disaster. The public health facilities, especially, the primary health centers and sub-health centers, were instructed to provide necessary medical facilities to the flood victims.Generally due to this type of natural calamities the population have a higher risk of mental health problems like post-traumatic stress disorder, deprivation, and depression. Therefore, relief and rehabilitation include increased awareness of the symptoms of post-traumatic stress disorder and its alleviation through education on developing coping mechanisms.



Although it would be too early to estimate the impact on economy, the economy of the region have been severely affected due to the disaster. The scanty local vegetable and grain cultivation was destroyed by the heavy rains an the agricultural lands were sand casted. Many houses were destroyed where people had invested all their savings. The disaster would have a long-term economic impact as it would take a long time to rebuild the infrastructure and also to build the confidence of the victims. The floods put an immense pressure and an economic burden on the local people and would also influence their health-seeking behavior and health expenditure.

Conclusions

It is impossible to anticipate natural disasters such as flash floods. However, disaster preparedness plans (DDMP)and protocols in the civil administration and public health systems have been very helpful in rescue and relief and in reducing casualties and adverse impact on the human life and socio economic conditions..In the present case, presence of the ODRAF team &Fire fighting team that has standard disaster management plans and protocols for planning, training, and regular drills of the their personnel, logistics and supply, transport, and communication made it possible to immediately search, rescue, and relief operations. Not only the disaster management plans were in readiness, but continuous and regular training and drills of Disaster managers/ Rescue teams etc. in rescue and relief operations, and logistics and communication, could effectively facilitate the disaster management operations.

Lessons learnt and recommendations

- Natural disasters not only cause a large-scale displacement of population and loss of life, but also result in loss of property and agricultural crops leading to severe economic burden) In various studies. several shortcomings have been observed in disaster response, such as, delayed response, absence of early warning systems, lack of resources for mass evacuation, inadequate coordination among government departments, lack of standard operating procedures for rescue and relief, and lack of storage of essential medicines and supplies.
- There is an important lesson to be learned by the civil administration and the public health system to have disaster preparedness plans in readiness with material and designated rescue officers and workers.
- Standard protocols and disaster preparedness plans need to be prepared for the civil administration and the health systems with focus on Quick Response Teams inclusive of healthcare professionals, rescue personnel, fire-fighting squads, police detachments, ambulances, emergency care drugs, and equipments. These teams should be trained in a

manner so that they can be activated and deployed within an hour following the disaster. "TRIAGE" has to be the basic working principle for such teams.

- Disaster management is a multidisciplinary activity involving a number of departments/agencies spanning across all sectors of development. The National Disaster Management Authority of India, set up under National Disaster Management Act 2005,has developed disaster preparedness and emergency protocols. Thus Inter departmental coordination should be prioritized and enhanced in this respect.
- Training is an integral part of capacity building, as trained personnel respond much better to different disasters and appreciate the need for preventive measures. Training of healthcare professionals in disaster management holds the key in successful activation and implementation of any disaster management plan.
- Building confidence of the public to avoid panic situation is critical. Community involvement and awareness generation, particularly that of the vulnerable segments of population and women, needs to be emphasized as necessary for sustainable disaster risk reduction. Increased public awareness is necessary to ensure an organized and calm approach to disaster management. Periodic mock drills and exercise in disaster management protocols in the general population can be very useful.

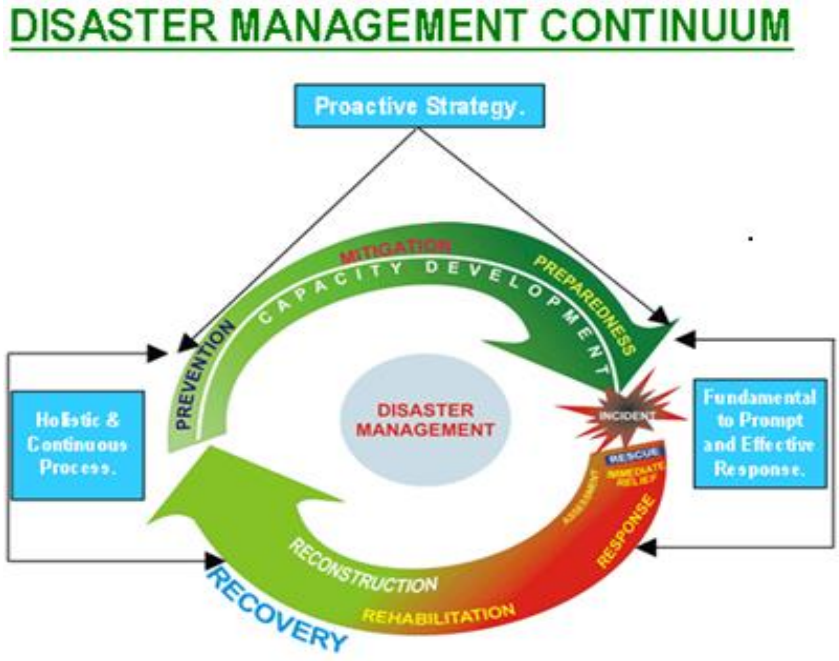
"We cannot stop natural disasters but we can arm ourselves with knowledge: so many lives wouldn't have to be lost if there was enough disaster preparedness."

Preparation and Implementation of District Disaster Management Plan

The Disaster Management Act, 2005

India has been traditionally vulnerable to natural disasters on account of its unique geo-climatic conditions. Floods, droughts, cyclones, earthquakes and landslides have been a recurrent phenomena. Being highly vulnerable to natural disaster, 25 states out of a total of 35 states/UTs in India are considered disaster prone. 68% of Indian land is draught prone, 12% to flood and 8% to cyclone. The loss in terms of private, community and public assets has been astronomical. Therefore disaster management occupies an important place in this country's policy framework as it is the poor and the under-privileged who are worst affected on account of calamities/disasters. At the global level too, there has been considerable concern over natural disasters.

Approach to Disaster Management Till recently, the approach to Disaster Management has been reactive and relief centric. A paradigm shift has now taken place at the national level from the relief centric syndrome to holistic and integrated approach with emphasis on prevention, mitigation and preparedness. These efforts are aimed to conserve developmental gains as also minimize losses to lives, livelihood and property. A typical Disaster Management continuum as shown below, comprising of six elements i.e., Prevention, Mitigation and Preparedness in pre-disaster phase, and Response, Rehabilitation and Reconstruction in post-disaster phase, defines the complete approach to Disaster Management.



The Disaster Management Act – 2005 is aimed at preparedness, prevention and early planning towards disaster. By this Act three authorities namely, National Disaster Management Authority, State Disaster Management Authority and District Disaster Management Authority have been established. As stated in the act, there shall be no discrimination on the of ground of gender, caste and community in providing compensation and relief. The act also provides penalties for obstruction, false claims etc and ensures the establishment of Disaster Response fund and Disaster Mitigation fund at central, state and district level.

Disaster results not only in the loss of life & shelter but also creates lack of food, increase in diseases and disturb socio-economic activities. Therefore it is one of the major area of concern for a developing country like India. Disaster Management has to be a multi-disciplinary and pro-active approach. Besides various measures for putting in place institutional and policy framework, disaster prevention, mitigation and preparedness initiatives taken by the Central and State Governments the NGOs, the community, civil society organizations and the media also have a key role to play in achieving the goal of moving together, towards a safer India.

District Disaster Management Authorities Every State Government, in turn is to establish a District Disaster Management Authority for every district in the State with the Collector or District Collector or Deputy Commissioner as the Chairperson and such number of other members. The District Authority is to act as the district planning, coordinating and implementing body for disaster management and take all measures for the purposes of disaster management in the district in accordance with the guidelines laid down by the National Authority and the State Authority.

Procedure for preparation of DDMP as per the DM act:

Preparation of the District Disaster Management Plan is the responsibility of the District Disaster ManagementCommittee of the district.

- The first draft plan is to be discussed in the DDMA and later the Chairperson of the DDMA shall improve on it.
- The main steps involved in the development of this plan are:
    - Data collection from all line departments

- Data analysis
- Discussion with experts
- Reference of national and international literature
- Preparation of action plans for all line departments
- Preparation of draft plan document
- Mock drill to check the viability and feasibility of the implementation methodology
- Wide circulation for public and departmental comments
- Preparation of the final plan document Stakeholders & their responsibilities:

Roles of ADM, DEO and Nodal Officers support from other line Departments.

As per Section 31 of the DM Act 2005 Every office of the Government of India and of the State Government at the district level and the local authorities shall, subject to the supervision of the District Authority,

-

a) Prepare a disaster management plan setting out the following, namely

:i)Provisions for prevention and mitigation measures as provided for in the District Plan and as is assigned to the department or agency concerned;

ii)Provisions for taking measures relating to capacity building and preparedness as laid down in the District Plan;

iii)The response plans and procedures, in the event of, any threatening disaster situation or disaster;

b) Coordinate the preparation and the implementation of its plan with those of the other organizations at the district level including local authority, communities and other stakeholders;

c) Regularly review and update the plan; and

d) Submit a copy of its disaster management plan and of any amendment thereto, to the District Authority.

Preparation of a Disaster Preparedness Plan involves the following steps:

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	▪ Past history of disasters to be discussed and documented ▪ Extent of severity and damage to be recorded ▪ The nature of the Warning issued to be analyzed The nature and extent of the rescue and restoration done, to be revisited
II	Situation Analysis	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	▪ Mapping the geography and topography of the risk prone areas, block-wise, GP-wise and village-wise ▪ Demographic details to be recorded ▪ Mapping of the habitation in the concerned areas ▪ The natural resources to be marked on the maps

III	Hazard Analysis	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	▪ Listing all the livelihoods and properties ▪ The existing risk prone/ safe infrastructure to be marked on the map ▪ Identification of all possible hazards in the area based on past experience and available records ▪ Identification of the most vulnerable areas with relation to threat to life, livelihoods and property
IV	Vulnerability Assessment	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	▪ Locations of the vulnerable areas are to be mapped separately ▪ 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. ▪ 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, ▪ Identification of weak points on embankments (if any) ▪ Marking the drainage system in the concerned area
V	Opportunity Analysis	BDOs, Tahasildars Village community, NGOs/CBOs, Community/Village level workers	▪ Identification of the existing resources which may help to reduce risks to life and property ▪ Identification of the safe houses and buildings for shelter and storage ▪ Listing the existing flood/cyclone shelters, if any ▪ Identification of the elevated and up-lands which can act as natural barriers to protect livestock ▪ Listing of the existing health and sanitation facilities ▪ Identification of safe routes for evacuation ▪ Identification of the sources of funds to carry out the preparedness activities

Cooperation of Line Depatment

Without the cooperation of Line department by providing their information essential for the preparation of this District disaster management plan would not have possible for the district to

prepare this plan. Their timely submission of the information and valuable advice in this regard will asways be appreciated.

Disaster Management is not task which can be done single handedly without the external suppot. In this respect interdepartmental coordination with line department is an important aspect of this plan.

Timeline forpreparation of 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
7	Consultation with line department officials and important stakeholders at district level	1st week of January
8	Submission of base line data by all line departments	3rd week of January
9	Compilation of information's and preparation DDMP. Sharing of draft with Chairperson, members of DDMA and other stakeholders	1st week of February
10	Necessary modification and finalization	2nd week of February
11	Placing the final copy before DDMA, finalization and submission of a copy to SDMA	Last week of February
12	Approval by SDMA	By March

Details of number of consultation and meetings, discussion with stakeholders for modific

- Organisation of DDMP meeting with District level officers and officials of Line departments .
- Orientation of the concerned officials on objective of DDMP-19 and Different formats.
- Fixation of dateline for submission of DDMP inforrmation in prescribed formats by 31st Mayin consultation with Collector, Kalahandi.
- Mailing the soft copy of formats to all the concerned line departments from my official mail ID of OSDMA.
- Web hosting of DDMP formats in the official website of Kalahandi District portal with the help of District Information Officer.
- Segregated the formats (deptt. wise) and mailing the formats to each concerned line departments again for simplifying their task to search their concern formats.
- Mailing of formats from the E-Mail ID of ADM, Kalahandi for better response.
- Forwarding letter to each line department by the signature of ADM, Kalahandi for nominating the name of their point person who will be responsible for submission of required information.
- Reminded the concerned officials telephonically for submission of information by the dateline.
- Telephonically clearing the doubts on the formats to the concerns.
- Discussing with ADM, Kalahandi & Emergency Officers on collection of information.
- Incorporated the "preparation of DDMP 2019" as an agenda for the "Heat Wave meeting" held at Collectorate, Kalahandi to take the matter to the concern of Collector.
- Orgnisation of Review meeting on DDMP-2019 to review the status information submission by the line department and officials.
- Mailing of reminder letter to the concerned official for submission of information.
- Taken the references of different web portals for collection of information to be incorporated in the DDMP-2019
- Taken the support and guidance of SPOs time to time for preparation of the plan.
- Taken the help of previous files of emergency section, collectorate to understand the process of preparation of DDMP.

Sharing and placing before DDMA for approval

As per Section 31(2) of the Disaster Management Act 2005, there shall be a plan for disaster management for every district of the State. The District Plan shall be prepared by the District Authority, after consultation with the local authorities and having regard to the National Plan and the State Plan, to be approved by the State Authority.

Also, as per Section 31(6) of the Disaster Management Act 2005, the District Authority shall send a copy of the District Plan to the State Authority which shall forward it to the State Government.Plan Review &Updation Periodicity. As per Section 31(4) The District Plan shall be

reviewed and updated annually. Also, As per Section 31(7) The District Authority shall, review from time to time, the implementation of the Plan and issue such instructions to different departments of the Government in the district as it may deem necessary for the implementation thereof.

PROCEEDINGS OF THE DISTRICT LEVEL NATURAL CALAMITY COMMITTEE MEETING OF KALAHANDI DISTRICT.

Date : 28.05.2019 Time : 9AM

Venue: SadbhabanaSabhagruha, Collectorate, Kalahandi

The meeting was held under the chairmanship of Collector and District Magistrate, Kalahandi. The Members present in the meeting is at Annexure – "A".

1. At the outset, the Asst. Collector Emergency welcomed all the members present in the meeting and in the dice. He explained the importance of the preparedness at all level before the monsoon/rain arrives in the district. The proceedings of the last DLNCC meeting held on 22.05.2018 was confirmed after discussion among the participants.
2. The Collector and Chairman discussed agenda wise with district level officers present in the meeting.

I. **Stocking of food materials in strategic areas of the district.**

Essential commodities like rice, wheat and K.Oil have been adequately available in all the 303 fair price shops of this district to cater the need of 310 GPs of this district. Advance stock is available for the month of June 2019. The CSO has been advised to be in readiness along with stocking of rice, K. Oil and Wheat up to August 2019 in order to face any eventuality and stress condition.

As regards supply of dry food like chuda, guda and biscuits, these can be arranged by the CSO immediately soon after receipt of the requirement by the respective BDOs and Tahasildars.

The BDOs and Tahasildars were instructed to sit together and finalize the list of all the inaccessible pockets within their areas basing on the experience during the last flood /heavy rain 2018.Food materials including dry food shall be ensured to be stored to meet the situations under crisis.

As per suggestion of Block Chairman M. Rampur Block, food grains and essential commodities should be stored in the newly created GPs i. e Dedhsuli, Singpur, Lubengarh and Dudkaranja. The matter was discussed. Since these GPs have no office buildings, it was suggested

to store relief materials at the nearest school buildings after receipt of warning of flood and heavy rain forecast.

(Action – CSO, Kalahandi / Concerned BDOs, &Tahasildars, BEOs and DEO, Kalahandi)

Stock of Relief materials:

The present stock position of relief materials available at Tahasil Office are indicated below and the same can also be utilized in case of emergency.

Sl. No	Name of the Tahasil	Poly Rolls as on 28.5.19
1	Bhawanipatna	645
2	Kesinga	50
3	Dharamgarh	630
4	Lanjigarh	49
5	M.Rampur	45
6	Jaipatna	52
7	Th.Rampur	66
8	Karlamunda	50
9	Narla	39
10	Kalampur	40
11	Koksara	40
12	Junagarh	658
13	Golamunda	49
14	Bhawanipatna (Municipality)	45
	TOTAL	**2458 Rolls**

Availability of Lifebuoy and Life Jacket in the district.

A detailed position is given below.

Fire Office, Kalahandi			
Sl.No	**Block**	**Status**	
		Lifebouy	**Life Jacket**
1	Bhawaniptna	9	8
2	Kesinga	5	7
3	Karlamunda	2	2
4	M.Rampur	2	2
5	Narla	2	2
6	Lanjigarh	2	4
7	Th. Rampur	2	2
8	Dharamagarh	2	4
9	Junagarh	2	2
10	Kalampur	4	4
11	Jaipatna	4	2
12	Koksara	2	2
13	Golamunda	2	2

Total	**40**	**43**

All BDOs of Kalahandi District			
Sl.No	**Block**	**Status**	
		Lifebuoy	**Life Jacket**
1	Bhawaniptna	2	3
2	Kesinga	1	1
3	Karlamunda	2	2
4	M.Rampur	2	2
5	Narla	3	4
6	Junagarh	2	5
7	Kalampur	4	10
8	Jaipatana	4	8
Total		**20**	**35**

Multipurpose Flood Shelter, Kalahandi							
Sl no	**Block**	**Location**	**Availableequipments**				
			Lifebuoy	**Life Jacket**	**Cutter Machine**	**Tower light**	**Generator**
1	Kesinga	Belkhandi	5	5	2	1	1
2	Junagarh	Kutengaon, Junagarh	5	5	2	1	1
3	Kalampur	Balichada	5	5	2	1	1
4	Jaipatna	Rasdumer	5	5	2	1	1
Total			**20**	**20**	**8**	**4**	**4**

Readiness of Fire officers and team

The collector Instructed to the District Fire Officer to convene immediate meeting of all the Asst. Fire officers at block points of the district and take stock of adequacy of cutter machine, lifebuoys, life jackets and Aska lights along with their fitness to use at the time of flood/heavy rain.

II. IRRIGATION

The Executive Engineer, Irrigation, Kalahandi was instructedto submit daily report to the Collector on Rain gauge on the River Hati at Junagarh on NH 26, Tel River at Mankarsola and Kesinga Railway Station during the rainy season.

The Executive Engineer, Irrigation is instructed to open Flood control cells in all circles and Division Offices of Irrigation to monitor the flood management works. If any situation occurred the same may be intimated to the Control Room of the District Office.

The list of vulnerable points in different villages submitted by the EE, Irrigation is as follows:-

LIST OF VULNERABLE POINTS IN RIVER EMBANKMENTS

As per the report submitted by The EE, Kalahandi Irrigation Division.

	Name of the River Embankments	Location	Block	Description of Vulnerable villages
01	Hati river	Biripur, Matikhal, Jampada, Karmel, Balichhada, Kutengaon	Kalampur & Junagarh	Not only affected the houses but also cultivable land

MLA, representative, Narla also intimated that due to overflow water from Tel river embankment the following villages shall likely to be marooned.

	Name of the River Embankments	Location	Block	Description of Vulnerable villages
02	Tel river	Belkhandi,Boria,Mahagaon, Nunmath, Bijkhman, Bijapati, Jogipalla	Kesinga&Karlamunda	Not only affected the houses but also cultivable land Previous year more than 1700 people were affected.

It was brought to the notice during discussion that there are nine weak areas invented by EE, UI RT Canal division no-1, Mukhiguda and eight nos. invented by UI LT canal division no-1, Kusumkhunti. The lists are enclosed at Annexure –"B"

The respective Executive Engineers are instructed to start restoration work of these weak areas by 30th June'2019.

III. Precautionary measures to be taken for Flood/Flash Flood: DDA

The Collector instructed the DDA, Kalahandi to take the following Flood preparedness measures.

- Check available stocks of equipments and materials which are likely to be most needed during and after flood.
- Stock of agricultural equipments which may be required during and after flood.
- Assessment of thevolume of damage, pests or disease may be done, and drugs and other insecticide items are required to be stored.
- Setting up official teams for crop protection, and accordingly ensure that adequate pesticides and insecticides are available to meet the situation.
- Ensure that certified seeds of required varieties are available in adequate quantities.

The D.D.A., Kalahandi appraised the crop condition for Khariff 2019 and crop yield of Rabi 2019 in various parts of Kalahandi District. He has also demonstrated on supply of seeds, fertilizers and pesticides to the farmers during the upcoming Khariff crops. It was instructed

to arrange immediate meeting among their sub-ordinate staff (AAOs and VAWs with RIs) to ensure proper assessment of crop damage due to flood/ heavy rain during Khariff within two days of disaster/loss.

Similarly the Deputy Director Horticulture is instructed to sensitize to the fruits and vegetable cultivators how to face the situations to save themselves from loss due to impending flood/heavy rain.

(Action – DDA &Tahasildars. Kalahandi)

IV. Measures regarding Health &Hazards

The Collector has advised the CDMO, to ensure the following preparedness measures to be taken for possible Flood/ Flash Flood situation in the district.

- Transmission of messages to all PHCs to stock medicines and keep the medical staff ready to deploy at the vulnerable areas to meet the any untoward incidence.
- Stock of Life saving drugs/ORS packets/Halogen tablets in all the PHC and CHC. The CDMO should convene pre flood meeting at block as well as district level by 10th June'2019 involving all the Doctors and Paramedical workers and take stock of all preparatory measure for the ensuing rainy season.
- Ensuring distribution of areas of operation among the mobile teams.
- Pre-distribution of basic medicines to the people who are likely to be affected
- Shifting the patients with due importance and priority to the pregnant women and children who are in critical situation to the District Hospital
- Awareness messages to stop the outbreak of epidemics
- All the AWWs and ASHA Kermises be sensitized of their roles and responsibilities before and after flood/ heavy rain.

The CDMO, Kalahandi intimated that sufficient quantities of life saving drugs are available in all the PHCs and CHCs. She expresses that 1000 ORS packet at CHC level and 500 at PHC level are available along with anti venom snake bite injection. She explained her readiness to prevent flood affected people out of water born and vector born diseases if situation arises.

(Action – CDMO, Kalahandi)

V. Veterinary

The CDVO was instructed by the Collector to take care of following points of preparedness measures to tackle possible flood situation in the district.

- Stock of emergency medical equipments which may be required during and after disaster.
- Adequate fodder for the domestic animals under the threat of flood/ cyclone may be arranged to face any eventuality.
- Surgical packs should be assembled and sterilized.
- 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.
- Prepare kits for veterinary diseases, which could be provided to veterinary doctors at the block level and livestock Inspectors at the village level.
- Arrange for emergency supplies of aesthetic drugs.
- Check stocks of equipments and drugs which are likely to be most needed during and after disaster.

The CDVO, Kalahandi also intimated the members present in the meeting about his readiness and status of stock of adequate quantities of vaccines and fodder to animals at the time of flood.

Availability of Green Fodder in Kalahandi District as on 28.05.2019

Sl No	Name of the block	Quantity Green Fodder Available
1	Bhawanipatna	200 Qtls
2	Narla	100 Qtls
3	M. Rampur	400 Qtls
4	Kesinga	100 Qtls
5	Dharmagarh	50 Kgs
6	Golamunda	100 Qtls
	Total	**900.50 Qtls**

(Action – CDVO. Kalahandi)

VI. Precautionary measures for safe Drinking water & Sanitation:

It was instructed to the Executive Engineer, RWS&S and PHED, Kalahandi to take all possible steps at their level to disinfect all water sources in the interior as well as urban areas and vulnerable areas with bleaching powder, supply of sufficient stock of chlorine tablets and instruct their field functionaries to be vigilant to attend any outbreak of diarrhoea in the areas. He further instructed to keep Water tankers in readiness to supply drinking water to the flood affected areas.

The Executive Engineer, RWS&S, Kalahandi intimated that he has taken the following measures.

Out of 20299 nos of tube well, in 16000 cases water testing has been done in this district till now. For maintenance of tube well sufficient quantities of spare parts are available. All the identified defunct tube wells shall be repaired before monsoon.

- All the spot sources (Tube wells and sanitary wells) and Piped water supply schemes are to be disinfected in regular intervals.
- Steps will be taken to repair and disinfect the all water sources to make it usable.
- Mobile vans will be engaged to attend the repair of all complains.
- PVC tanks/water tankers will be kept ready at sensitive areas to provide potable water during flood if required. The SEMs deployed at GP level are to be supplied bleaching powder to meet exigency.

. **(Action- Executive Engineer, RWS&S, Kalahandi, EE PHED, Kalahandi & All BDOs)**

VII. Rural Works Division

It was instructed to the Executive Engineer, RWD, Division, Bhawanipatna, Dharmagarh and Kesinga to repair all the damage Roads, embankments, breaches, CDs and bridges before monsoon.

The following nos. of past embankments, breaches, CDs and bridges have been invented to be repaired before monsoon.

RWD Division.

Sl No	Name of block	No of CD/ Bridges
1	Bhawanipatna	**55**
2	Dharmagarh	**6**
3	Kesinga	**43**

The detailed position is annexed. All the EE, RWD are impressed upon for speedy completion of the works before any further damage created by the ensuing rainy season. A line of action taken report be submitted to the district office for record.

National Highways Division, Kesinga

The EE, NH, Kesinga explained that there are 2nos of vulnerable points at Chainage 76Km. on NH-59. In these locations 2nos of bridge work is in progress, which will be completed by June-2019.

EE, R& B Division, Kalahandi

The EE, R&B division, Kalahandi has been instructed to be in readiness with JCBs, Tractors and labourers to maintain smooth connectivity during flood/heavy rain. He has been further instructed to make a joint visit along with AEs and JEs to the spots suffered dislocation during last flood/heavy rain-2018 and chalk out appropriate plan to ensure smooth trafficking of vehicles.

Executive officers Municipality & ULBs

It was instructed to all the four Executive officers of Urban Local Bodies of this district to ensure complete cleanness after renovation of all the drains for smooth flow of flood/rain water. The water lodging areas during the last rain-2018 may be put emphasis and priority. All of them assured to complete this item of work by 15th June'2019 at the latest. They should procure sufficient quantity of bleaching powder, Halogen tablets and mosquito oil and stored in their office for appropriate use.

All Sub Collectors, Tahasildars& BDOs

All Sub Collectors, Tahasildars& BDOs were instructed to submit daily report on flood/flash flood in their areas to the District emergency Section for preparation of Daily Situation report. They will open Control room round the clock during Rainy season w.e.f. 1.6.2019 to 15.10.2019.

The BDOs/Rain Recording Officers were instructed to submit the rainfall data to the District Emergency Section over telephone/Waters app by 8.00 AM positively for consolidation of Rainfall data of this District and to transmit the same to the SRC. Orissa and IMD, Bhubaneswar after updation in the portal.

(Action – All BDOs/Rain Recording Officers).

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The Collector instructed all the field officials to keep their Cell Phone (Mobile/Telephone) open round the clock and intimate their contact numbers to the District Emergency Operation Centre.

(Action – All Officers).

Status of Flood shelters & availability of Relief Materials

It was instructed to all BDOs to identify the school buildings which are safe to accommodate the evacuated people during the time of heavy rain and flood. The BDOs of Kalampur, Jaipatna, Junagarh and Kesinga are further instructed to inspect the status of the multipurpose flood shelters constructed by the SRC office in their areas and the equipments and submit a report to the district emergency section on the readiness of those shelters to accommodate the people during emergency situation.

The Sub- Collector Bhawanipatna/ Dharmagarh are advised to follow up the BDOs in these works.

The Sub Collectors/ BDOs and Tahasildars are requested to utilize identified flood shelters at the time of need. They should ensure proper arrangement of free kitchen, health and sanitation at the shelter centers at the time of need, keeping in view of Minimum Standard of Relief as per NDRF/SDRF norms which have been communicated earlier to them.

The Collector directed all the BDOs / Tahasildars to take precautionary measures for shifting of people of low lying areas to the safer place after receipt of warning the time of Flood / Flash Flood.

The Representative, MLA, Junagarh has requested to the district administration for construction of new Multi-purpose flood shelter nearby embankment of Hati river.

As per his suggestion the villages Kendupati, Nandol, Makarsola&Bandhagaon require Multi Purpose Flood Shelters.

The BDO Junagarh and Tahasildar Junagarh are instructed to make a joint visit of all these places and submit a report through Sub- Collector, Dharmagarh on the availability of Govt. Land if any.

The Representative, MLA, Narla suggested for plantation in the river bed of Uttei river to check soil erosion. The Sub- Collector, BDO, Narla and Tahasildar Narla to inspect on the feasibility of the matter and suggest for needful action.

(**Action – Sub Collectors/BDOs/ Tahasildars)**

Status & deployment of Boats at Strategic points:

The BDOs were instructed to submit a detail report on the availability of private boats to be utilized during relief and rescue operation. While furnishing the list of private boat owners, the registration and insurance coverage must be examined.

At last the District Emergency officer extended vote of thanks to all the members present in the meeting as well as in the dice. He requested everybody to remain alert during emergency situation like flood/heavy rain, so that a responsive administration can render all possible help to the person in distress.

The meeting ended with the permission of the chair.

PHOTO GALARY

Photograps of Cyclonic Heavy Rain /Flash Flood during the month of July and August'2018







Photographs of Crop Damage due to Disaster Drought and Pest Attck2018





Photographs of Celebration of Disaster Preparedness Day, Mock Drill and FAMEX-2018














ODISHA
FIRE
&
DISASTER




MULTI PURPOSE FLOOD SHELTER


BLOCK LEVEL
MOCKDRILL PROGRAMME
Date : 19.06.2019 Time : 10.30 AM
Venue : Block Campus, Jaipatna

District Disaster Management Plan, 2019







Volume-II

District Disaster Management Authority, Kalahandi

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1. Socio Economic Profile

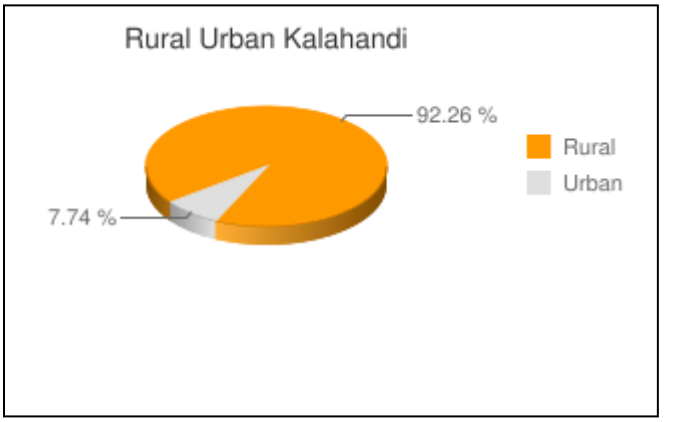
1.1-Administrative Set Up:

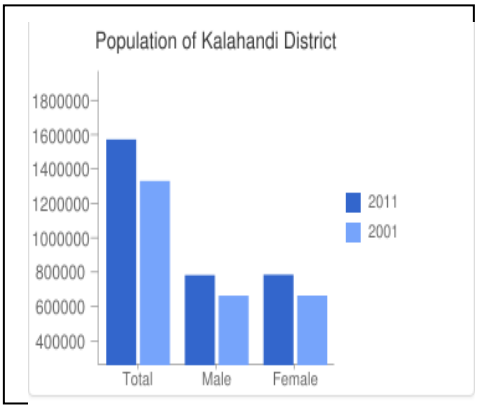
Sl. No.	Name of the CD Block	No. of Grampanchayat	No. of Villages	No. of RIC
1	Bhawanipatna	36	289	7
2	Kesinga	26	111	6
3	Madanpur Rampur	19	248	7
4	Narla	26	173	6
5	Karlamunda	12	61	5
6	Lanjigarh	26	483	7
7	Thuamul Rampur	24	268	6
8	Junagarh	34	179	11
9	Dharamgarh	24	86	6
10	Golamunda	28	129	6
11	Jaipatna	22	94	5
12	Koksara	22	74	4
13	Kalampur	11	55	4
	Total	310	2250	80

No. of Sub-Divisions:	2	No. of Tehsils:	13
No. of Municipalities/Corporation:	1	No. of N.A. Cs:	3
No. of Blocks:	13	No. of Police Stations:	17
No. of Gram Panchayats:	310	No. of Villages:	2250

1.2-Demographic Details:

Description	2011	2001
Actual Population	1,576,869	1,335,494
Male	787,101	667,526
Female	789,768	667,968
Population Growth	18.07%	18.09%
Area Sq. Km	7,920	7,920
Density/km2	199	169
Proportion to Orissa Population	3.76%	3.63%
Sex Ratio (Per 1000)	1003	1001
Child Sex Ratio (0-6 Age)	957	984
Average Literacy	59.22	45.94
Male Literacy	71.90	62.66
Female Literacy	46.68	29.28
Total Child Population (0-6 Age)	222,570	217,889
Male Population (0-6 Age)	113,726	109,807
Female Population (0-6 Age)	108,844	108,082
Literates	802,036	513,383
Male Literates	484,177	349,473
Female Literates	317,859	163,910
Child Proportion (0-6 Age)	14.11%	16.32%
Boys Proportion (0-6 Age)	14.45%	16.45%
Girls Proportion (0-6 Age)	13.78%	16.18%





1.2.1 List of vulnerable villages of GPs under Blocks of Kalahandi district,List of Rivers Embankments, Bridges and Vulnerable points

list of vulnerable villages of G.Ps under Blocks of Kalahandi District			
Name of the Block	Name of the G.Ps	Sl No	Name of the vulnerable villages submitted by the B.D.O
1	2	3	4
LANJIGARH	Bhurtigarh	1	Sorgaon
		2	Jankipadar
		3	Kaichuan
	Bedagoan	4	Tadijhola
		5	Khasiguda
		6	Isnila
		7	Kumarbaru
		8	Serdeheda
		9	Sukpadar
		10	Manstara
	Pahadpadar	11	Tainpadar
		12	Kiram
	Bhatangpadar	13	Parabahali
		14	Bagnkhi
		15	Tutuguma
		16	Musiguda
	Gundri	17	Kachangbhata
		18	Gangpenu
	Pokharibandha	19	Mutulkuda
	Malijubang	20	Turisimal
		21	Salpadar
	Bijepur	22	Poiguda
	Trilochanpur	23	Kanakadu
		24	Palberi
		25	Tadijhola
		26	Kasibundel
	Bandhapari	27	Katulbai
		28	Balisara
	Lanji	29	Kulanal
		30	Turka
		31	Upernangalbahali
	Bengaon	32	Netrai
		33	Barapali
		34	Kotbundel
		35	Bandkhal

JAIPATNA	Baner	1	Baner
		2	Polkamunda
		3	Kadopadar
	Khaliabhata	4	Khaliabhata
	Sindhikaguda	5	Podaguda
		6	Dhamanguda
	Bandigaon	7	Gungunia
		8	Rengalpali
		9	Amjore
		10	Naikeniguma
		11	Bandigaon
	Bhejiguda	12	Sundrijore
	Ranmal	13	Thelkomunda
		14	Ranmal
	Badtemri	15	Khaliabhata
	Bhainripali	16	Bimla
	Kuchagaon	17	Kuchagaon
		18	Kermeli
	Rengalpali	19	Rengalpali
		20	Talpadar
	Uchhala	21	Uchhala
		22	Kumjore
	Anlabhata	23	Chachiguda
		24	Sagjore
	Sargiguda	25	Sargiguda
		26	Sanpujhariguda
		27	Ektaguda
		28	Prajanagpheni
	Badkarlakot	29	Badkarlakot
	Dhansuli	30	Dhansuli
		31	Chandpur
	Jaipatna	32	Jaipatna
	Pratappur	33	Pratappur
	Mangalpur	34	Mangalpur
	Hirapur	35	Hirapur
	Paikkendumundi	36	Kanakpur
	Mukhiguda	37	Mukhiguda
		38	Talgud
NARLA	Takarla	1	Kundeijharan
	Kurmel	2	Dudalu

DHARAMGARH	Sandhikulihari	1	Sandhikulihari
	Kankeri	2	Kankeri
		3	Bokrakata
	Kanagaon	4	Kanagaon
		5	Luhagaon
	Tambachhada	6	Tambachhada
		7	Talipalash
	Br. Chhendia	8	Br. Chhendia
		9	Chilichila
		10	Thanat
	Chhilpa	11	Chhilpa
		12	Rajmoter
	Gadiajore	13	Turihaldi
		14	Pipla
		15	Ambaguda
	Behera	16	Dharnipada(Hemlet)
		17	ThongoPada(Hamlet)
	Tendapali	18	Tendapali
		19	Chhotagogira
KARLAMUNDA	Pourkela	1	Kundeipali
		2	Terekala
	SargulMalpada	3	SargulMalpada
		4	Putigaon
		5	Bagburei
	Rinja	6	Degaon
GOLAMUNDA	Badchergaon	1	Karlagaon
	Uchhala	2	Uchhala
	Borguda	3	Bandhagaon
		4	Putiachhura
	Rengsapali	5	Karmath
		6	Karli
		7	Nuamunda
		8	Karpa
	Temri	9	Kumbhari
	Khamarhaldi	10	Sosia
		11	Khamarhaldi
	Chichia	12	Pandkul
		13	Lakhurbhata
	Leter	14	Leter
		15	Makaraguda

GOLAMUNDA	Funda	16	Dokripada
	Farang	17	Dakripada
KESINGA	Belkhandi	1	Talbhanra
		2	Belkhandi
	Kasrupada	3	Suknabhata
		4	Ghatpada
	Kundabandh	5	Gurjimunda
	Patharla	6	Bahadurpadar
	Sirjapali	7	Digsira
		8	Badipada
	Tundla	9	Tundla
		10	Rajapada
	Turlakhaman	11	Turlakhaman
KALAMPUR	Badkutru	1	Barchhi
		2	Khangarguda
	Bandhkana	3	Temra
	Bijmara	4	Dumermunda
	Deypur	5	Gharla
		6	Kadalichua
		7	Deypur
	Heramal	8	Totraguda
		9	Jharabahali
		10	Tentulikhunti
	Kalampur	11	Ghodabandh
		12	Biripur
		13	Gumabahal
		14	Kasabahi
		15	Parkhiguda
	Mandal	16	Bhatigaon
	Balagaon	17	Kotagaon
		18	Balagaon
	Nuagaon	19	Bindhaniguda
		20	Naikguda
	Mingur	21	Derlapada
		22	Matikhal
	Pandigaon	23	GourKenduguda
		24	Bordoli
TH.RAMPUR	Bagdiani	1	Kamraghat
		2	Jamguda

TH.RAMPUR	Birikot	3	Ghumer
		4	Tumnikhol
	Karlapat	5	Kuang
		6	Salpang
		7	Surmeli
		8	Badtikraguda
		9	San Tikraguda
		10	Bhejiguda
		11	Amthaguda
		12	Karadapadar
		13	Kukurbhursi
		14	Uparpermanji
		15	Talpermanji
		16	Purunagumma
		17	Bariguda
		18	Lainguda
	Kiapadar	19	Dalguma
		20	Bundelguda
		21	Bhataguda
		22	Melghara
		23	Sapmundi
		24	Goudpadar
		25	Nigunguda
		26	Tentulipadar
	Talampadar	27	Chulbadi
		28	Nunresh
		29	Karniber
		30	Tarapadar
		31	Tijmali
		32	Tundamuhin
	Silet	33	Jharigaon
		34	Sukerguda
		35	Durbelguda
	Nakrundi	36	Ambjhola
		37	Bardijhola
		38	Dengen
		39	Jhudingjore
		40	Kandhanikana
		41	Kelua
		42	Khandala

TH.RAMPUR	Nakrundi	43	Kuang
		44	Malianikana
		45	Pokhresh
		46	Raymal
		47	Sepeskanda
		48	Tadingpadar
		49	Tentulipadar
		50	Turibhejiguda
		51	Bhitarsung
	Podapadar	52	Tentulipadar
		53	Bhitardunga
		54	Ghutrukhal
		55	Podapadar
		56	Temra
		57	Talgunjmali
		58	Uparpanga
		59	Kalati
		60	Sarpas
		61	Jhirigaon
		62	Talpanga
		63	Litimaska
	Talnagi	64	Bahadghat
		65	Murka
		66	Talnagi
	Taljhapi	67	Nikeshjore
		68	Ranipadar
		69	Pokhara
		70	Uparjhapi
		71	Jhapiguda
		72	Lanjigada
	Gopinathpur	73	Sikatuji
	Maligaon	74	Suryagad
		75	Kanasukli
		76	Badabag
		77	Mushajal
JUNAGARH	Kendupati	1	Amathola
		2	Makarsola
		3	Kendupati
	Nandol	4	Nandol

JUNAGARH	Atigaon	5	Bagdungri
		6	Kandulguda
	Talmala	7	Talmala
		8	Sahajkana
	Matigaon	9	Bhatraguda
	Bhainriguda	10	Panigaon
	Banijora	11	Koten
		12	Purunasar
M.RAMPUIR	Barabandha	1	Loharasada
		2	Bagsundhi
		3	Ghunghuti
		4	Mansara
	Dedsuli	5	Bag Bila
		6	Bundelpadar
		7	Dedsuli
		8	Goskapadar
		9	Jamuli
		10	Kaladei
		11	Mudis
		12	Padelpadar
		13	Pajibudunga
		14	Parselpada
		15	Patangi
		16	Serangapada
		17	Tarsupada
		18	Tendulipada
		19	Damani
		20	DamganBatimunda
		21	Kaupadar
		22	Ladamaska
		23	Rakshyasa Bandh
		24	Roben
		25	Sindhiguda
		26	Napadulu
		27	SirelPadar
	Dudukaranja	28	Badacharana
		29	Loharasada
		30	Esnalah
		31	Tikrapada
		32	Dudungmal

M.RAMPUIR	Dudukaranja	33	Dholpada
		34	Rahangi
		35	Udegiri
		36	Gundurupi
	Lubengarh	37	Lubengad
		38	Kachakalu
		39	Kurepada
		40	Pidel
		41	Tudapada
		42	Dakelpada
		43	Drama
		44	Puijhari
		45	Kudtel
		46	Maskapadar
		47	Matakupa
		48	Kachupada
		49	Pokhri
		50	Sitapadi
		51	Kalesur
		52	Pangabaju
		53	Mundamaska
	Manikera	54	Taprang
		55	Badpadar
		56	Banjamunda
	Rampur	57	Kusumkhal
	Urladani	58	Gadapala
		59	Sanpidel
		60	Budung
		61	Kusumdigi
		62	Gadadi
KOKSARA	Dudukathenga	1	Dokrichanchara
	Ampani	2	Kutra
		3	Birimuhan
	Kanda Bhutra	4	Kanda Bhutra
		5	Ghurluguda
BHAWANIPATNA	Jugsaipatna	1	Jhinkapita
		2	Manaska
		3	Bandulbhata
		4	Kankarua
		5	Kaskinar

BHAWANIPATNA	Jugsaipatna	6	U.Panchkul
		7	T. Panchkul
		8	Nisanguda
		9	Mandiabiri
		10	Gurpang
		11	Ruknibandel
		12	Gurpang
		13	Ruknibandel
		14	Miangpadar
		15	Musiguda
		16	Upparpakhi
		17	Tal Pakhi
		18	Jamchuan
		19	Raaksi
		20	Panchbahali
		21	Randiguda
		22	Badamba
		23	Katrusar
		24	Herlaguda
		25	Hardaguda
		26	Munguda
		27	Nehela
		28	Khandlapada
		29	Rupangpadar
	Chancher	30	Bengaon
		31	Latkabhata
		32	Atgarla
		33	Pirunguda
		34	Pardungaguda
	Sagada	35	Makaguda
		36	Bedkata
		37	LilingPadar
		38	Kating Kana
		39	Odrung
		40	Olabahali
		41	Kasipadar
		42	Kutenpadar
		43	Ambalsa
		44	Labaneswar
		45	Khairbahali

BHAWANIPATNA	Sagada	46	Palsapadar
		47	Bhuiguda
		48	Bordapada(UpparRachuguda)
		49	Merkul
	Risigaon	50	Tikrapada
		51	Herateka
		52	Gachkhola
		53	Narengkhola
		54	Ampada
	TOTAL	362	

Inaccessible village of Kalahandi District

Details village list submitted by BDOs

Sl.No	Name of the Block	Name of the GP	Sl.No	Name of the Inaccessible villages
1	Golamunda	NILL		NIL
2	Kesinga	NILL		Nil
3	Bhawanipatna	NIl		Nil
4	Karlamunda	Nil		Nil
5	Dharmagarh	Nil		Nil
6	Junagarh	Nil		Nil
7	Lanjigarh	Nil		Nil
8	Jaipatna	Nil		Nil
9	Kalampur	NIl		Nil
10	Narla	Nil		Nil
11	Koksara	NILL		NIl
12	Th.Rampur	Birikot	1	Ghumer
			2	Tumnikhol
		Karlapat	3	Bhejiguda
			4	Karlapat
		Kiapadar	5	Bhataguda
			6	Dalguma
		Talampadar	7	Nunresh
			8	Tijmali
			9	Tundamuhin
		Silet	10	Jhirigaon
			11	Sukerguda
			12	Durbalguda
		Nakrundi	13	Jhudingjore
			14	Ambjhola
			15	Kandhanikana
			16	Kelua

		Podapadar	17	Podapadar
			18	Talgunjmali
			19	Uparpanga
			20	kalati
			21	Sarpas
			22	Litimaska
			23	Jhirigaon
		Taljhapi	24	Nikeshjore
			25	Ranipadar
			26	Lanjigada
		maligaon	27	Surjyagad
13	M.Rampur	Bamak	1	Mankadakhola
		Barabandha	2	Chochobahali
		Barabandha	3	Ghunghuti
		Barabandha	4	Khinipadar
		Barabandha	5	Lamer
		Barabandha	6	Madangajodi
		Barabandha	7	Mansara
		Barabandha	8	Sadalgochha
		Barabandha	9	Tarkabahali
		D.Karlakhunta	10	Belgova
		Dedsuli	11	Damini
		Dedsuli	12	Damganbatimunda
		Dedsuli	13	Kaupadar
		Dedsuli	14	Ladamaska
		Dedsuli	15	Napadulu
		Dedsuli	16	Rakshya Bandh
		Dedsuli	17	Roben
		Dedsuli	18	Sindhiguda
		Dedsuli	19	Sirelpadar
		Dedsuli	20	Bag Bila
		Dedsuli	21	Bundelpadar
		Dedsuli	22	Dedsuli
		Dedsuli	23	Goskapada
		Dedsuli	24	Jamuli
		Dedsuli	25	Kaladei
		Dedsuli	26	Mudis
		Dedsuli	27	Padelpadar
		Dedsuli	28	Pajibudunga
		Dedsuli	29	Parselpada
		Dedsuli	30	Patangi
		Dedsuli	31	Serangapada
		Dedsuli	32	Tarsupada
		Dedsuli	33	Tentulipada

		Dudkaranja	34	Barcharna
		Dudkaranja	35	Dadangmal
		Dudkaranja	36	Dholepada
		Dudkaranja	37	EsnalaBankuni
		Dudkaranja	38	kankeri
		Dudkaranja	39	Loharasada
		Dudkaranja	40	Rahangi
		Dudkaranja	41	Tikrapada
		Gochadengen	42	Dandimaska
		Lubengarh	43	Dakelpada
		Lubengarh	44	Drama
		Lubengarh	45	Kachelaku
		Lubengarh	46	Kachupada
		Lubengarh	47	Kalesur
		Lubengarh	48	Kudtel
		Lubengarh	49	Kurepada
		Lubengarh	50	Maskapadar
		Lubengarh	51	Matakupa
		Lubengarh	52	Mundamaska
		Lubengarh	53	Pangabajo
		Lubengarh	54	Pidel
		Lubengarh	55	Poijori
		Lubengarh	56	Pokhari
		Lubengarh	57	Sitapodi
		Mohangiri	58	Bsadensara
		Mohangiri	59	Dalabahali
		Nunpur	60	Ganjipadar
		Salepali	61	Jhaligova
		Salepali	62	Dhauramal
		Singpur	63	kamrang
		Singpur	64	Talabaju
		Urladani	65	Balobaju
		Urladani	66	Budung
		Urladani	67	Gadadi
		Urladani	68	Ganiguda
		Urladani	69	Kusumdigi
		Urladani	70	Sankus
		Urladani	71	Musung

Adjoining to River Bed Villages of Kalahandi district

FORMAT 12						
Sl.No	Name of the Block	Sl.No	Name of the G.P	Sl.No	Name of the River/Nalla/ Perinerial Sources	Name of Vulnerable Villages (Adjoining area to river bed) with population
1	Jaipatna	1	Paikkendumundi	1	Hati River	Nagupada
		2	Badpujhariguda	2		Palas
		3	Mangalpur	3		Mangalpur
				4		Ranibahal
				5		Rajamunda
				6		Kuhiriguma
		4	Dhansuli	7		Dhansuli
				8		Bhalujore
				9		Sastuguda
				10		Nalachuan
		5	Mukhiguda	11		Talgud
		6	Sindhikaguda	12		Dhamanguda
		7	Bhejiguda	13		Rasdumer
2	Bhawanipatna	1	Funda	14	Sagada River &PipalNalla, LalpuliaNalla, Bullet Nalla	FundaDokripada
		2	Jugsaipatna	15		Jhinkapita
				16		Manaska
				17		Kaskinara
				18		Panchbahali
		3	Chancher	19		Pirunguda
				20		Makaguda
				21		Barkata
				22		Lalingpadar
				23		Ordung
				24		Olabahali
				25		Kashipadar
				26		Kutenpadar
		4	Sagada	27		Merkul
				28		Bordapada(UpperRachuguda)
				29		Bhoiguda
		5	Madiguda	30		chikli
				31		Khairmal
		6	Kalam	32		Chandopala
				33		Bargaon
				34		Kalam
				35		Themra
				36		Tentulipada
		7	Karlapada	37		Pandigaon

		8	Palna	38		Tepsa
3	Lanjigarh	1	Lanjigarh Road	39	Ret River	Kiding
4	Th.Rampur	1	Birikot	40	Indravati	ghumer
				41		Tumnikhol
		2	Karlapat	42		Bhejiguda
				43		Karlapat
		3	Kiapadar	44		Bhataguda
				45		Sapmundi
		4	Podapadar	46		Litimaska
				47		Ghutrukhal
		5	Taljhapi	48		Nikeshjore
				49		Ranipadar
				50		Jhapiguda
		6	Maligaon	51		Kanasukli
5	Narla	1	Sarian	52	Ret River	Arjun Gaon
		2	Raxi	53		Budhipadar
		3	Rupra Road	54		Rupra road
		4	Santpur	55		Santpur
		5	Ghodabandh	56		Jodabandh
6	Junagarh	1	Kendupati	57	Hati& Tel River	Amthola
				58		makarsola
				59		kendupati
				60		Nandol
		2	Nandol	61		Bagdungri
		3	Atigaon	62		kandulguda
				63		Talmala
		4	Talmala	64		Sahajkana
				65		Bhatraguda
		5	matigaon	66		Panigaon
		6	Bhainriguda	67		Koten
		7	Banijara	68		Purunasar
7	Karlamunda	1	S. Malpada	69	Tel River	Putigaon
		2	Teresinga	70		Teresinga
		3	Pourkela	71		Kundeipali
			Pourkela	72		Terekela
			Pourkela	73		Budhipadar

37nos GPs and 73 Villages are adjoining to different River bed of Kalahandi District

Flood affected villages in general, Kalahandi district

Flood Vulnerable Villages of Kalahandi District				
Name of the Block	**GP**		**Village**	**Vulnerability context**
				Flood
Dharamgarh	Sandhikulihari	1	Sandhikulihari	Flood
	Kankeri	2	Kankeri	Flood
		3	Bokrakata	Flood
	Kanagaon	4	Kanagaon	Flood
		5	Luhagaon	Flood
	Tambachhada	6	Tambachhada	Flood
		7	Talipalash	Flood
	Br. Chhendia	8	Br. Chhendia	Flood
		9	Chilichila	Flood
	Chhilpa	10	Chhilpa	Flood
		11	Rajmoter	Flood
	Gadiajore	12	Turihaldi	Flood
		13	Pipla	Flood
	Behera	14	Dharnipada(Hemlet), Thongo Pada(Hamlet), Behera	Flood
	Tendapali	15	Tendapali	Flood
		16	Chhotagohira	Flood
Kalampur	Mingur	17	Karmel	Flood
		18	Matikhal	Flood
		19	Bhelagaon	Flood
	Bandhakana	20	Temra	Flood
	Deypur	21	Balichada	Flood
	Kalampur	22	Biripur	Flood
	Badkutru	23	Khangarguda	Flood
Lanjigarh	Bhurtigarh	24	Sorgaon	flood
		25	Janakipadar	flood
		26	Kaichuan	flood
	Bedagaon	27	Tadijhola	flood
		28	Khasiguda	flood
		29	Isnila	flood
		30	Kumarbaru	flood
		31	Serdeheda	flood
		32	Sukpadar	flood
		33	Manastara	flood
	Bhatangpadar	34	Bagnkhi	flood
		35	Tutuguma	flood
		36	Musiguda	flood

	Gundri	37	Kachangbhata	flood
	Pokharibandh	38	Mutulkuda	flood
	Malijubang	39	Tursimal	flood
		40	Salpadar	flood
	Trilochanpur	41	Kanakadu	flood
		42	Tadijhola	flood
		43	Kasibundel	flood
	Bandhapari	44	Katulbai	flood
	Lanjee	45	Uparnangalbahali	flood
M.Rampur	Salepali	46	Kachharpali	flood
		47	Dutta	flood
		48	Karnimal	flood
	Muding	49	Ghodapokhari(Madedani)	flood
		50	Dangapata(Ulikupa)	flood
	Manikera	51	Sulesuru	Flood
		52	Araskupa	Flood
	Mohangiri	53	Deulisulia	Flood
		54	Dolabahali	Flood
	Singpur	55	Kutrupala	Flood
		56	Singpur	Flood
		57	Sirkiheju	Flood
	Gochhadengen	58	Baliguda	Flood
		59	Benaguda	Flood
	Dudkaranja	60	Budipadar	Flood
		61	Sekobahali	Flood
Junagarh	Kendupati	62	Amathola	Flood
	Talmala	63	Talmala	Flood
		64	Sahajkana	Flood
	Deydara	65	Sorismal	Flood
	Banijara	66	Koten	Flood
	Chingudisar	67	Murlapadar	Flood
		68	Chingudisar	Flood
		69	Panigaon	Flood
Kesinga	Belkhandi	70	Talbhanra	flood
		71	Belkhandi	flood
	Kundabandh	72	Gurjimunda	flood
	Patharla	73	Bahadurpadar	flood
Golamunda	Badchergaon	74	Karlagaon	flood
	Uchhala	75	Uchhala	flood
	Borguda	76	Bandhagaon	flood
		77	Putiachura	flood
	Rengsapali	78	Karmath	flood
		79	karli	flood
		80	Nuamunda	flood

		81	Karpa	flood
	Funda	82	chillgaon	flood
	Leter	83	Leter	flood
		84	Makraguda	flood
	Dashpur	85	Kumbhari	flood
Jaipatna	Sindhikaguda	86	Dhamanguda	flood
	Dhansuli	87	Chanpur	flood
Th. Rampur	Kiapadar	88	Bundelguda	flood
		89	Bhataguda	flood
		90	Melghara	flood
		91	Goudpadar	flood
		92	Nigunguda	flood
	Talampadar	93	Nunresh	flood
		94	Karniber	flood
		95	Tarapadar	flood
	Silet	96	Jharigaon	flood
		97	Sukerguda	flood
		98	Durbelguda	flood
	Nakrundi	99	Bardijhola	flood
		100	Jhudingjore	flood
		101	Kelua	flood
		102	Pokhresh	flood
		103	Raymal	flood
		104	Jhirigaon	flood
		105	Talpanga	flood
		106	Litimaska	flood
	Taljhapi	107	Nikeshjore	flood
		108	Uparjhapi	flood
		109	Jhapiguda	flood
Karlamunda	S.Malpada	110	Bagburai	flood
		111	S.Malpada	flood
		112	Putigaon	flood
	Rinja	113	Deogaon	flood
	Pourkela	114	Kundeipali	flood
		115	Terekela	flood
Bhawanipatna	Madiguda	116	Khairmal	Flood
	Kalam	117	Chandapalo	Flood
		118	Kalam	Flood
		119	Themera	Flood
		120	Tentulipada	Flood
		121	Pandigaon	Flood
		122	Tepsa	Flood

Flood affected villages during the year 2018, Kalahandi District.					
Sl.No	**Block**	**GP**	**Village**	**Affected due to**	
1	Kesinga	Belkhandi	Belkhandi	Water Logging	
		Kantesir	Kantesir	Water Logging	
		Patharla	Patharla, Bahadurpadar	Marooned	
		Gokulaswar	Bisodi	Marooned	
		Patharla	Bahadurpadar	Marooned	
		Nunmath	Nunmath	Marooned	
2	Karlamunda	Bagburai	Bagburai	Marooned	
		Rinja	Rinja	Marooned	
		Gajbahal	Gajbahal	Water Logging	
		Rinja	Deogaon	Water Logging	
		Muding	Modhedhuni	Marooned	
		Sargul	S.Malpada	Water Logging	
		Regeda	Regeda	Marooned	
		Pourkela	Pourkela	Marooned	
		Joradobra	Ektara	Water Logging	
		Borpadar	Khaliapali	Water Logging	
		Joradobra	Joradobra	Water Logging	
3	Koksara	Ladugaon	Ladugaon	Water Logging	
		Chilpamal	Chilpamal	Water Logging	
		Goutamunda	Goutamunda	Water Logging	
		Kasibahal	Kasibahal	Water Logging	
4	Lanjigarh	Lanjigarh R.	Sikharkupa	Heavy run off water	
5	Junagarh	Kendupati	Amathola	Water Logging	
		Mundaraguda	Ward No-3	Water Logging	
		Banijara	Kutengaon	Water Logging	
		Kendupati	Makarsola	Water Logging	
		Talmala	Sahijkana	Water Logging	
		Nandol	Nanadol	Water Logging	
6	Narla	Gigina	Nayakpada	Water Logging	
		Sanpur	Sanpur	Water Logging	
		Rakhshi	Rakhshi	Water Logging	
		Sariyan	Arjungaon	Marooned	

		Gigina	Naikpada	Marooned	
7	Bhawanipatna	Kalam	Ghatikani	Marooned	
8	Kalampur	Biripur	Biripur	Marooned	
		Biripur	Matikhal	Marooned	
9	Golamunda	Badachergaon	Mermahul	Marooned	
10	Th.Rampur	Padepadar	Padepadar	Water Logging	
		Mahulpatna	Podapadar	Water Logging	
			Badasukuli	Water Logging	
			Kumuridhuti	Water Logging	
			Mahulpatna	Water Logging	
		Gunupur	Semelapadar	Water Logging	
		Kaniguma	Jabang	Water Logging	
		Thuamul	Thuamul	Marooned	
		Rampur	Rampur	Water Logging	
		Gopinathpur	Sikataj	Marooned	
		Odri	Chirka	Water Logging	
			Odri	Marooned	

List of villages Vulnerable to landslides of Th. Rampur Block

Sl. No.	Name of the GP	Name of the Village
1	Silet	Rupen, Semikhal, Marguma, Jhanji
2	Kerpai	Taramundi, Murlimuhin, Sungergarh
3	Thuamul	Karang
4	Taljhapi	Jhapiguda
5	Talamapadar	Uparampadar, Chulbadi, Nunresh
6	Birikot	Ghumer, Tumanikhol
7	Sindhipadar	Barsikana, Kenduguda, Kandaguda, Tevakalam
8	Nakrundi	Kelua, Turibhejiguda, Chudungijore, Mohangiri, Raimal, Khandala
9	Gunpur	Kirkicha, Pollingpadar, Ranpur
10	Padepadar	Tanganiguda

11	Th.Rampur	Baiganguda, Ghutiguda
12	Karlapat	Kukurbhursi, Badtikraguda
13	Kaniguma	Bijaguda
TOTAL VILLAGES		**33- NOS. OF VILLAGES**

Details of Rivers covering different Blocks

Sl No	Name of Block	Name of River
1	Jaipatna	Hati
2	Kalampur	Hati
3	Kesinga	Tel/Ret/Utei
4	M.Rampur	Utei/Rahul
5	Karlamunda	Tel/Utei
6	Th.Rampur	Indravati/Moran/Nagavali
7	Junagarh	Hati/Tel
8	Golamunda	Tel
9	Bhawanipatna	Sagada/PipaliNala/LalpuliaNalla
10	Koksara	Mudra
11	Lanjigarh	Bansadhar
12	Narla	Ret
13	Dharmagarh	Tel

List of Rivers Embankments, Bridges and Vulnerable points

Name of District	Total Nos of Block	Total Nos of River	Total Nos of Bridge	Completed	Ongoing	Nos of Vulnerable
Kalahandi	13	12	162	120	42	11

STATUSOF EMBANKMENT UNDER KALAHANDI IRRIGATION DIVISION, BHAWANIPATNA

ABSTRACT

SL NO	Name of River/Nalla	Length of bank in KM			Length of Embankment already constructed in KM			Balance Embankment to be constructed in KM			Remarks
		left	Right	Total	left	Right	Total	left	Right	Total	
1	**HATI**	77.200	77.200	154.400	NIL	NIL	NIL	77.200	77.200	154.400	
2	**UDANTI**	89.400	89.400	178.800	15.088	8.573	23.661	74.312	80.827	155.139	
3	**TEL**	123.600	123.600	247.200	6.020	18.243	24.263	117.580	105.357	222.937	
4	**SUNDAR**	34.700	34.700	69.400	8.220	-	8.220	26.480	34.700	61.180	

GRAND TOTAL	**324.900**	**324.900**	**649.800**	**29.328**	**26.816**	**56.144**	**295.572**	**298.084**	**593.656**	

Details status of Bridges, Division Wise Details

Name of District	Name of Division	Nos of Bridge	Completed	Ongoing	Vulnerable points
Kalahandi	RWD Kesinga	20	15	5	0
	RWD Bhawanipatna	27	14	13	0
	RWD Dharmagarh	38	28	10	0
	NH Kesinga	22	22	0	3
	R &B Division	55	41	14	8
Total		**162**	**120**	**42**	**11**

1.3-Population and its composition:

Sl. No	Population			SC		ST		OTHERS	
	T	M	F	M	F	M	F	M	F
1	15,76,869	7,86,101	7,89,786	1,42,133	1,41,447	2,21,171	2,28,285	422797	474663

S. No.	Block Name	SC	ST	GEN	Total
1	BHAWANIPATNA	30313	54313	67750	152376
2	DHARMAGARH	22153	24085	83550	129788
3	GOLAMUNDA	20381	30769	68992	120142
4	JAIPATNA	19659	47324	61712	128695
5	JUNAGARH	27635	28813	107468	163916
6	KALAMPUR	9331	13977	36135	59443
7	KARLAMUNDA	8804	7828	36796	53428
8	KESINGA	16546	29033	61581	107160
9	KOKSARA	18803	38446	57973	115222
10	LANJIGARH	19105	38852	24127	82084
11	M.RAMPUR	10932	27537	34868	73337
12	NARLA	21734	30913	63127	115774
13	TH.RAMPUR	18999	39618	11667	70284
	Total:	**244395**	**411508**	**715746**	**1371649**

- **Population density of the district and decadal growth of population-**

The initial provisional data released by census India 2011, shows that density of Kalahandi district for 2011 is 199 people per sq. km. In 2001, Kalahandi district density was at 169 people per sq. km.

Kalahandi district administers 7,920 square kilometres of areas. The decadal growth of population is 18.1 as per 2011 census per 1000 boys of 2001 census data.

In 2011, total 309 families live on footpath or without any roof cover in Kalahandi district of Orissa. Total Population of all who lived without roof at the time of Census 2011 numbers to 1,137. This approx 0.07% of total population of Kalahandi district.

Households and its distribution:

Sl. No	Total Number of Families/HH	Category		Category			Category	
		Rural	Urban	SC	ST	Others	BPL	APL
	406629	**383228**	**23401**	71391	112518	222715	**193,054**	213576

Sl. No.	Year / Block/ ULB	Total Population			SC Population		
		Males	Females	Total	Males	Females	Total
1	2	3	4	5	6	7	8

2011	787101	789768	1576869	142133	144447	286580
2011BLOCK						
1Bhawanipatna	85252	85275	170527	17456	17255	34711
2Dharamgarh	69994	69365	139359	12638	12769	25407
3Golamunda	64917	64582	129499	11141	11339	22480
4Jaypatna	64673	66051	130724	10235	10686	20921
5Junagarh	86606	87054	173660	14743	14842	29585
6Kalampur	29531	30544	60075	4841	4937	9778
7Karlamunda	28975	28443	57418	4831	4855	9686
8Kesinga	58245	57583	115828	9548	9530	19078
9Koksara	58953	60351	119304	9665	9890	19555
10Lanjigarh	45887	47292	93179	10802	11344	22146
11M. Rampur	40075	40449	80524	5522	5620	11142
12Narla	60695	60297	120992	11426	11537	22963
13Th. Rampur	38113	39727	77840	9731	10011	19742
URBAN						
1Bhawanipatna(M)	35506	33539	69045	6361	6528	12889
2Junagarh (NAC)	9835	9821	19656	1353	1482	2835
3Kesinga (NAC)	9844	9395	19239	1840	1822	3662

1.4-Religion wise distribution of Population:

Sl. No.	Total Population	Category				
		Hindu	Muslim	Christian	Sikh	Others
1	1576869	1555367	4975	11160	796	4571

:Description	Total	Percentage
Hindu	1,555,367	98.64 %

Muslims	4,975	0.32 %
Christian	11,160	0.71 %
Sikh	796	0.05 %
Buddhist	175	0.01 %
Jain	1,225	0.08 %
Others	220	0.01 %
Not Stated	2,951	0.19 %

Town	Population	Hindu	Muslim	Christian	Sikh	Buddhist	Jain	Others	Not Stated
Bhawanipatna	69,045	94.62%	2.97%	1.12%	0.71%	0.03%	0.16%	0.01%	0.38%
Kesinga	19,239	94.05%	1.15%	0.94%	0.21%	0.00%	3.41%	0.01%	0.23%
Junagarh	19,656	97.20%	2.29%	0.20%	0.07%	0.00%	0.08%	0.01%	0.15%

1.5-Particularly Vulnerable Tribal Groups (PVTGs)/ PTGs:

Sl. No.	Name of the PVTG/PTG	Total No. of Households	Population			Population (0-6 Years)
M F			M	F	T	491
1	KutiaKandha	801	1523	1552	3015	
	Total=	801	1523	1552	3015	

Source: Special Officer, Lanjigarh Tribal Agency

1.6-Age Group:

Sl. No.	Total Population	0-6 years	7-14 years	15-59 years	60 years and above
	1576869	222570	325529	977129	51641

1.7-Sex Ratio:

Sex Ratio:

1	Sex Ratio (Females per 1000 males):	1003
2	Sex Ration(0-6 Years):	957

1.8- Literacy:

Sl. No.		Total	Male	Female
1	Literates	8,02,036	4,84,177	3,17,859
2	Literacy Rate	59.2	71.9	46.7

1.9- Workforce Participation:

Sl. No.	Category	Male	Female	Total
1	Workers	509,956	190,632	700,588
2	Main Workers	342,357	59,657	402,014
3	Marginal Workers	237,201	80764	317,965
4	Non- Workers	320,141	464,255	784,396

Workers to Non-Workers Ratio 1: 1.26

Source: Census, 2011

Sl. No.	Year / Blocks / Urban	Total Workers.			Main workers.		
		Males	Females	Total	Males	Females	Total
1	2	3	4	5	6	7	8

2011	447290	304640	751930	299835	76922	376757
2011BLOCK						
1Bhawanipatna	48340	32697	81037	32152	8511	40663
2Dharamgarh	41256	29569	70825	27958	6934	34892
3Golamunda	37417	26065	63482	21090	4690	25780
4Jaypatna	38112	28258	66370	26572	7683	34255
5Junagarh	49556	34085	83641	34435	9764	44199
6Kalampur	17748	13725	31473	14029	5786	19815
7Karlamunda	16831	10690	27521	9555	1421	10976
8Kesinga	33170	18793	51963	22850	4289	27139
9Koksara	34641	27036	61677	22832	5574	28406
10Lanjigarh	24226	19965	44191	13356	4275	17631
11M. Rampur	22191	15388	37579	14917	3053	17970
12Narla	34553	22066	56619	24042	5745	29787
13Th. Rampur	19621	17966	37587	9729	3582	13311
URBAN						
1Bhawanipatna(M)	18666	5039	23705	16468	3575	20043
2Junagarh(NAC)	5573	1848	7421	4958	1123	6081
3Kesinga (NAC)	5389	1450	6839	4892	917	5809

Sl. No.	Year / Block/ ULB	TotalWorker	Workers(2011Census)			
			Cultivator	Agricultural Labour	Workers Household Industry	OtherWorker
1	2	3	4	5	6	7
11	M. Rampur	37579	7252	23806	998	5523
	2011	751930	144991	436733	18453	151753
	2011BLOCK					
	1Bhawanipatna	81037	17911	41440	1987	19699
	2Dharamgarh	70825	15818	42431	1472	11104
	3Golamunda	63482	12368	39493	2017	9604
	4Jaipatna	66370	12729	44132	1604	7905
	5Junagarh	83641	16507	54225	1791	11118
	6Kalampur	31473	4899	23282	437	2855
	7Karlamunda	27521	6031	17144	450	3896
	8Kesinga	51963	10016	25708	1243	14996
	9Koksara	61677	12544	38695	1664	8774
	10Langigarh	44191	8652	26858	578	8103
	12Narla	56619	11938	32900	1735	10046
	13Th. Rampur	37587	7225	24398	974	4990
	URBAN					
	1Bhawanipatna(M)	23705	337	582	892	21894
	2Junagarh(NAC)	7421	432	1069	209	5711
	3Kesinga (NAC)	6839	332	570	402	5535

1.10- Land Holding Pattern:

Sl. No.	Block	Land less HHs	No of Share Croppers	Marginal Farmers	Small Farmers	Semi Medium	Medium Farmers	Large Farmers	Average Size of Land Holding.
					(1.0 to < 2 Ha.)	(2.0 to <4.0 Ha.)	(4.0 to < 10 Ha.)	(10.0 Ha. and above)	
1	Bh.Patna			9560	5928	3369	1418	140	
2	Kesinga	26	11870	6611	4097	2328	978	97	2.09
3	Th.Rampur			5826	3611	2051	861	85	

4	Narla			21070	6890	1020	710	391	
5	M.Rampur			8789	5380	1703	456	201	
6	Karlamunda			8050	5367	2178	189	0	
7	Lanjigarh			7808	5733	1983	866	138	
8	Dh.garh			7865	15815	2018	836	205	
9	Koksara			7828	4853	2757	1158	114	
10	Golamunda			9560	14036	3676	1576	0	
11	Junagarh	7843	1755	24000	10000	3000	1000	150	
12	Jaipatna			6415	3976	2259	948	93	
13	Kalampur			3181	1972	1120	470	46	
	Total	77567		126563	87658	29462	11466	1660	1.94

Source: DDA, Kalahandi

1.11 Housing

Sl. No.	Name of the Block/ ULB	Total No. of HHs	No. of Home less HHs	Houses			
				Total No.	Katcha Houses	Semi Pucca Houses	Pucca House
	District Total	406629		406629	71729		
1	001 - Kesinga	37281	307	37281	12619		24662
2	002 - Madanpur Rampur	37072	26	37072	11395		25677
3	003 - Narala	28829	28	28829	15536		13293
4	004 – Lanjigarh	11065	18	11065	8427		2638
5	005 - Biswanathpur	5467	1	5467	4196		1271
6	006 - Sadar	51005	0	51005	16126		34879
7	007 - Kegaon	27611	45	27611	6804		20807
8	008 - Junagarh	46415	8	46415	21542		24873
9	009 - Golamunda	21156	45	21156	15051		6105
10	010 - Dharamgarh	28719	3	28719	17403		11316
11	011 - Kokasara	43880	38	43880	14706		29174
12	012 - Jayapatna	49518	39	49518	15430		34088
13	013 - Thuamul Rampur	18611	49	18611	11510		7101

Code with Tehsil Name	Total household	Number of Villages Rural	Number of Towns Urban	Total Number of Households Rural	Total Number of Households Urban	% of Households in Rural	% of Households in Urban
001 - Kesinga	37281	127	1	33131	4150	88.87%	11.13%
002 - Madanpur Rampur	37072	311	0	37072	0	100.00%	0.00%
003 - Narala	28829	192	0	28829	0	100.00%	0.00%
004 - Lanjigarh	11065	227	0	11065	0	100.00%	0.00%
005 Biswanathpur	5467	133	0	5467	0	100.00%	0.00%
006 - Sadar	51005	318	1	36417	14588	71.40%	28.60%
007 - Kegaon	27611	108	0	27611	0	100.00%	0.00%
008 - Junagarh	46415	167	1	41752	4663	89.95%	10.05%
009 -Golamunda	21156	73	0	21156	0	100.00%	0.00%
010 Dharamgarh	28719	62	0	28719	0	100.00%	0.00%
011 Kokasara	43880	90	0	43880	0	100.00%	0.00%
012 Jayapatna	49518	149	0	49518	0	100.00%	0.00%
013 -Thuamul Rampur	18611	298	0	18611	0	100.00%	0.00%
District Total	406629	2255	3	383228	23401	94.25%	5.75%

Kachha Household details

Sl. No.	Tahasil	Total No. of households	Others	SC	ST	Minority
1	Biswanathpur	3438	905	1123	1409	1
2	Dharamgarh	13786	8779	2677	2330	0
3	Golamunda	9439	5245	1334	2860	0
4	Jayapatna	21975	10068	3368	8497	42
5	Junagarh	19943	13271	3034	3637	1
6	Kegaon	10462	5103	2278	3081	0
7	Kesinga	14713	7370	2709	4599	35
8	Kokasara	19757	9812	3055	6881	9
9	Lanjigarh	5842	1480	1523	2839	0
10	Madanpur Rampur	17591	8388	2933	6210	60
11	Narala	13847	6179	2852	4812	4
12	Sadar	14441	4104	2908	7422	7
13	Thuamul Rampur	11510	1730	2951	6829	0

	Total	176744	82434	32745	61406	159

Code with Tehsil Name	Total Households	Total Rural Household	Total Urban Household	Institutional Rural	Institutional Urban	Houseless Rural	Houseless Urban	Houseless with Shelter Urban	Houseless without Shelter Urban
District Total	406629	383228	23401	414	35	285	22	8	14
001 - Kesinga	37281	33131	4150	46	1	21	5	5	0
002 - Madanpur Rampur	37072	37072	0	31	0	28	0	0	0
003 - Narala	28829	28829	0	30	0	18	0	0	0
004 - Lanjigarh	11065	11065	0	10	0	1	0	0	0
005 - Biswanathpur	5467	5467	0	5	0	0	0	0	0
006 - Sadar	51005	36417	14588	36	32	32	13	2	11
007 - Kegaon	27611	27611	0	35	0	8	0	0	0
008 - Junagarh	46415	41752	4663	28	2	41	4	1	3
009 - Golamunda	21156	21156	0	12	0	3	0	0	0
010 - Dharamgarh	28719	28719	0	18	0	38	0	0	0
011 - Kokasara	43880	43880	0	21	0	39	0	0	0
012 - Jayapatna	49518	49518	0	131	0	49	0	0	0
013 - Thuamul Rampur	18611	18611	0	11	0	7	0	0	0

S. No.	Block	Total No. of Beneficiaries(Kuchha House)					Verified by Appellate Committee / (Auto Registered)				
		Minority	Others	SC	ST	Total	Minority	Others	SC	ST	Total
1	BHAWANIPATNA	0	2900	1125	2804	6829	0	2900	1125	2804	6829
2	DHARAMAGARH	0	5164	777	1023	6964	0	5164	777	1023	6964
3	GOLAMUNDA	0	2781	566	1142	4489	0	2781	566	1142	4489
4	JAYAPATNA	14	4108	875	3467	8464	14	4108	875	3467	8464
5	JUNAGARH	0	7081	1098	1368	9547	0	7081	1098	1368	9547
6	KALAMPUR	0	1912	253	525	2690	0	1912	253	525	2690
7	KARLAMUNDA	0	1864	344	142	2350	0	1864	344	142	2350
8	KESINGA	0	2650	439	1339	4428	0	2650	439	1339	4428
9	KOKASARA	0	3609	631	2095	6335	0	3609	631	2095	6335
10	LANJIGARH	0	1640	1311	2071	5022	0	1640	1311	2071	5022

11	MADANPUR RAMPUR	3	2099	577	1838	4517	3	2099	577	1838	4517
12	NARALA	0	2168	548	1098	3814	0	2168	548	1098	3814
13	THUAMUL RAM PUR	0	1098	1408	3774	6280	0	1098	1408	3774	6280
Total		17	39074	9952	22686	71729	17	39074	9952	22686	71729

1.12 Agriculture

Agriculture:					
Sl. No.	Name of the Block	Total Area (in Hectares.)	Cultivable Area	Net Sown Area	Irrigated Area
1	Bhawanipatna	142959	49575	49000	14606
2	Kesinga	42120	31571	29530	15324
3	Th.Rampur	72400	17239	17047	3598
4	Narla	49088	31855	31620	12756
5	M.Rampur	65206	22873	22387	9239
6	Karlamunda	21669	14880	14830	12311
7	Lanigarh	121681	23756	22655	6626
8	Dh.garh	41826	33868	33800	25593
9	Koksara	42323	37883	37670	9862
10	Golamunda	70226	41452	40800	17038
11	Junagarh	67245	41745	40560	39560
12	Jaipatna	38630	29749	29322	18310
13	Kalampur	16627	14554	14500	11859
	G.Total	792000	391000	383721	196682

Crops/Cropping Pattern:

	Kharif	**Pre Rabi**	**Rabi**	**Summer**
Up land (At)	Rice, Millets, Archer, B. gram, G.gram, Ground nut, Sesamum	Horse gram, Niger, Black gram	Ground nut, Sun Flower	-------
Medium land (Berna)	Rice	Lathyrus, Bengal gram	-------	Onion and Other vegetables
Low land (Bahal)	Rice	-------	Lathyrus, Jhain Mung, Bengal gram	Onion and Other vegetables

e Land Utilisation Pattern in Kalahandi district

(Areainhect.)

Sl. No	Year / Block/ ULB	Forest	Land putto Non-Agrl. use	Barren &Non-Cultivable land	Permanent Pastures& other grazingland	Land under misc.tree,crop &grovesnotinc luded Netareasown
1	2	3	4	5	6	7
1	Bhawanipatna	15463	5876	935	2579	491
2	Dharamgarh	124	3902	639	2630	126
3	Golamunda	2491	4151	200	1871	82
4	Jayapatna	393	4254	1006	2287	50
5	Junagarh	3832	3890	2117	2795	482
6	Kalampur	495	1754	20	835	22
7	Karlamunda	637	1532	228	978	1
8	Kesinga	543	5015	288	1848	95
9	Kokasara	833	2793	190	1335	136
10	Lanjigarh	30667	3110	747	3227	180
11	Madanpur-Rampur	4127	2984	15699	2405	167
12	Narla	1537	2929	345	1264	126
13	Thuamul-Rampur	40035	2452	12010	756	194
	URBAN	-	1725	115	252	2

Total Workers

	Total	Rural	Urban
Persons	620518	381460	239058
Males	589372	355578	233794
Females	31146	25882	5264

% Total Workers

	Total	Rural	Urban
Persons	46.5	47.8	31.1
Males	57.2	57.8	49.8
Females	35.8	37.8	10.9

% Main Workers

	Total	Rural	Urban
Persons	28.6	28.7	27.5
Males	47.0	47.0	46.1
Females	10.2	10.4	7.5

% Marginal Workers

	Total	Rural	Urban
Persons	17.9	19.1	3.6
Males	10.2	10.8	3.7
Females	25.6	27.4	3.4

% Non-Workers

	Total	Rural	Urban
Persons	53.5	52.2	68.9
Males	42.8	42.2	50.2
Females	64.2	62.2	89.1

% Cultivators

	Total	Rural	Urban
Persons	29.7	31.0	3.9
Males	38.9	41.5	4.4
Females	14.9	15.2	1.5

Agricultural Labourers

	Total	Rural	Urban
Persons	50.3	52.5	8.8
Males	36.5	38.7	6.1
Females	72.4	73.5	21.9

Sl. No.	Year/ Blocks / Urban	MarginalWorkers			Non- workers		
		Males	Females	Total	Males	Females	Total
1	2	9	10	11	12	13	14

2011	147455	227718	375173	339811	485128	824939
2011BLOCK						
1Bhawanipatna	16188	24186	40374	36912	52578	89490
2Dharamgarh	13298	22635	35933	28738	39796	68534
3Golamunda	16327	21375	37702	27500	38517	66017
4Jaypatna	11540	20575	32115	26561	37793	64354
5Junagarh	15121	24321	39442	37050	52969	90019
6Kalampur	3719	7939	11658	11783	16819	28602
7Karlamunda	7276	9269	16545	12144	17753	29897
8Kesinga	10320	14504	24824	25075	38790	63865
9Koksara	11809	21462	33271	24312	33315	57627
10Lanjigarh	10870	15690	26560	21661	27327	48988
11M. Rampur	7274	12335	19609	17884	25061	42945
12Narla	10511	16321	26832	26142	38231	64373
13Th. Rampur	9892	14384	24276	18492	21761	40253
URBAN						
1Bhawanipatna(M)	2198	1464	3662	16840	28500	45340
2Junagarh(NAC)	615	725	1,340	4262	7973	12235
3Kesinga (NAC)	497	533	1,030	4455	7945	12400

HHI Workers

	Total	Rural	Urban
Persons	2.9	2.9	2.1
Males	2.5	2.5	1.8
Females	3.5	3.5	3.9

Other Workers

	Total	Rural	Urban
Persons	17.1	13.5	85.2
Males	22.1	17.3	87.7
Females	9.2	7.8	72.7

% Workers in agricultural sector

	Total	Rural	Urban
Persons	80.0	83.6	12.7
Males	75.4	80.2	10.6
Females	87.3	88.7	23.4

% Workers in non agricultural sector

	Total	Rural	Urban
Persons	20.0	16.4	87.3
Males	24.6	19.8	89.4
Females	12.7	11.3	76.6

GENERAL INFORMATION OF KALAHANDI DISTRICT

						High	Med.	Low	
1	Geogaphical area			ha.					792000
2	Cultivable area			ha.		237856	85279	67865	391000
3	Forest area			ha.					314000
4	Misc.Tree&Grooves			ha.					8000
5	Permanent Pasture			ha.					23000
6	Culturable Waste			ha.					21000
7	Land put to non agl.use			ha.					35000
9	Net sown area		Kharif-2016	ha.					379228
10	Gross crop area		2016-17	ha.					633676
11	Cropping intensity		2016-17	ha.					167%
12	Irrigated Area		Kharif-2016	ha.					154776
			Rabi 2016-17	ha.					99389
13	Cultivated area		For 2017	ha.		217139	90962	75620	383721
14	Paddy area		For 2017	ha.		30502	79261	75620	185383
16	Non paddy area		For 2017	ha.		186637	11701	0	198338
17	DAO Circle			Nos					4
18	AAO Circle			Nos					26
19	AO/VAW Circle			Nos					316
20	Sale Centres			Nos					13
21	Blocks			Nos					13
22	G Ps			Nos					310
23	Villages (Inhab+Noninhab)			Nos					2116+137
24	Municipalty/NAC			Nos					4
25	Population (2011)			Nos					1576869
	Male			Nos					787101
	Female			Nos					789768
26	SC Population			Nos				18.17%	286580
	Male			Nos				49.60%	142133
	Female			Nos				50.40%	144447
27	ST Population			Nos				28.50%	449456
	Male			Nos				49.21%	221171
	Female			Nos				50.79%	228285
28	BPL household			Nos					193054

29	Farm Families		Nos					162087
	Larger Farmer (above 10 ha.)		Nos		Area in ha.	4241		1791
	Medium Farmer (2 to 10 ha.)		Nos		Area in ha.	125539		53029
	Small Farmer (1 to 2 ha.)		Nos		Area in ha.	100651		42516
	Marginal Farmer (below 1 ha.)		Nos		Area in ha.	153290		64751
30	Agricultural Labourers		Nos					174906
31	Banks(Public Sector)		Nos					66
	Banks(Private Sector)		Nos					7
	UGB		Nos					42
	Cooperatives		Nos					13
	PACS		Nos					77
	CARD Banks		Nos					2
32	R C M Ss		Nos					2
33	Rainfall in MM 2001-1796.9,02-888.48,03-2104.15,04-1756.5,05-1391,06--2244.36, 07-1877.3,08-1890.37,09-1510.12,10-1532.62,11-1173.68,12-1424.32,13-1855.53, 2014- 1738,2015-1367,2016-1340							
34	% of Urban population		%					5.66
35	Density of population/Sq Km		Nos					199
36	Decadal population growth		,01-11	Person 17.79%				
37	Sex Ratio			Total-1003				
38	Literate	Person- 802036 (60.22%), Male- 484177 (73.34%).Female- 317859 (47.27%)						802036
39	Illiterate	Person- 774833 (49.14%), Male- 302924 (39.10%).Female- 471909 (60.90%)						774833
40	Total House Hold		401251	Rural 373304.Urban 27947				

1.13 Irrigation

LIfT IRRIGATION PROJECTS:

Sl. No.	Name of Block	No. of Existing L.I.Projects		No. of Permanent Defunct L.I.Projects		No. of Temp. Defunct L.I.Projects		Total Defunct L.I.Projects		No. of L.I.Projects Programmed		Remarks
		No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.	
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Bhawanipatna	147	3428	10	260	40	892	50	1152	97	2276	
2	Kesinga	117	2726	7	160	35	812	42	972	75	1754	
3	Lanjigarh	81	1780	9	200	26	570	35	770	46	1010	**2 Nos. ayacut 64 Hc. to be energised in 05/19**
4	Th.Rampur	14	280	8	160	3	60	11	220	3	60	
	TOTAL :	**359**	**8214**	**34**	**780**	**104**	**2334**	**138**	**3114**	**221**	**5100**	
5	M.Rampur	152	3800	4	100	41	1056	45	1156	107	2644	**2 Nos. ayacut 44 Hc. to be energised in 05/19**
6	Narla	130	3296	2	40	36	984	38	1024	92	2272	**1 No. ayacut 24 Hc. to be energised in 05/19**
7	Karlamunda	102	2448	0	0	30	732	30	732	72	1716	**1 No. ayacut 24 Hc. to be energised in 05/19**

	TOTAL :	384	9544	6	140	107	2772	113	2912	271	6632	
8	Dharamgarh	56	1364	6	120	15	320	21	440	35	924	
9	Golamunda	112	2370	4	80	24	418	28	498	84	1872	
10	Koksara	67	1508	0	0	8	240	8	240	59	1268	
11	Junagarh	136	2932	8	160	14	304	22	464	114	2468	
12	Jaipatna	37	1040	3	60	3	80	6	140	31	900	
13	Kalampur	20	420	6	120	3	60	9	180	11	240	2 Nos. ayacut 48 Hc. to be energised in 05/19
	TOTAL :	428	9634	27	540	67	1422	94	1962	334	7672	
	G.TOTAL :	**1171**	**27392**	**67**	**1460**	**278**	**6528**	**345**	**7988**	**826**	**19404**	

ABSTRACT OF TENTATIVE KHARIFF PROGRAMME 2019 FOR DEEP BORE WELL PROJECTS UNDER L.I. DIVISION, BHAWANIPATNA.

Sl. No.	Name of Block.	No. of Existing B/W Projects.		No. of B/W Defunct.		No. of B/W Programmed.		Remarks.
		No.	Area inhect.	No.	Area inhect.	No.	Area inhect.	
1	Bhawanipatna	610	1220	51	102	559	1118	
2	Kesinga	577	1154	49	98	528	1056	
3	Lanjigarh	26	52	5	10	21	42	
4	Th.Rampur	0	0	0	0	0	0	
	SUB-TOTAL :	**1213**	**2426**	**105**	**210**	**1108**	**2216**	
5	M.Rampur	260	520	20	40	240	480	
6	Narla	242	484	29	58	213	426	
7	Karlamunda	30	60	0	0	30	60	
	SUB-TOTAL :	**532**	**1064**	**49**	**98**	**483**	**966**	
8	Dharamgarh	301	602	1	2	300	600	
9	Golamunda	608	1216	1	2	607	1214	
10	Koksora	138	276	8	16	130	260	
11	Junagarh	273	546	1	2	272	544	
12	Jaipatna	104	208	9	18	95	190	
13	Kalampur	40	80	0	0	40	80	
	SUB-TOTAL :	**1464**	**2928**	**20**	**40**	**1444**	**2888**	
	G.TOTAL:	**3209**	**6418**	**174**	**348**	**3035**	**6070**	

ABSTRACT OF TENTATIVE KHARIFF PROGRAMME 2019 FOR MICRO R/L (JALANIDHI-II) UNDER L.I. DIVISION, BHAWANIPATNA.

Sl. No.	Name of Block.	No. of Existing MICRO R/L.		No. of Defunct MICRO R/L.		No. of Programme MICRO R/L.		Remarks.
		No.	Area inhect.	No.	Area inhect.	No.	Area inhect.	
1	Bhawanipatna	0	0	0	0	0	0	
2	Kesinga	0	0	0	0	0	0	
3	Lanjigarh	0	0	0	0	0	0	
4	Th.Rampur	0	0	0	0	0	0	
5	M.Rampur	17	34	0	0	17	34	
6	Narla	22	44	0	0	22	44	
7	Karlamunda	0	0	0	0	0	0	
8	Dharamgarh	0	0	0	0	0	0	
9	Golamunda	0	0	0	0	0	0	
10	Koksora	0	0	0	0	0	0	
11	Junagarh	0	0	0	0	0	0	
12	Jaipatna	0	0	0	0	0	0	
13	Kalampur	0	0	0	0	0	0	
	TOTAL:	39	78	0	0	39	78	

MINOR IRRIGATION PROJECTS

No of MIPs	Name of the Block	Designed Ayacut in Ha.		Canal length in Mtr.	
		Khariff	Rabi	Left Canal	Right Canal
1	2	3	4	5	6
26	BHAWANIPATNA	3586	720	30090	19240
10	DHARMAGARH	723	25	3101	-
19	GOLAMUNDA	2715	571	9285	60705
6	JAIPATNA	714	52	11860	1200
20	JUNAGARH	1114	20	-	5655
1	KALAMPUR	202	-	-	500
3	KARLAMUNDA	161	-	1250	2940
17	KESINGA	4839	1443	90574	14290
21	KOKOSARA	4402	824	26213	33826
13	LANJIGARH	2824	409	43910	31106
10	MADANPUR RAMPUR	1322	206	24070	5850
16	NARLA	5022	517	105820	11860
11	THUAMUL RAMPUR	876	40	3235	4305
173	**Total**	**28500**	**4827**	**349408**	**191477**

KALAHANDI DISTRICT

Sl No	Name of the M.I.Ps	Name of G.P.	Catchment in Sqm.	Designed Ayacut in Ha.		Canal length in Mtr.	
				Khariff	Rabi	Left Canal	Right Canal
1	2	3	4	5	6	**7**	**8**
KALAHANDI MINOR IRRIGATION DIVISION, BHAWANIPATNA							
	BHAWANIPATNA BLOCK						
1	Balipati	Artal	1.30	40	-		1050
2	Devisagar	Medinipur	5.20	132	12	3880	-
3	Haldi	Karlapada	1.95	49	-	1050	-
4	Jamunasagar	Duarsuni	19.40	180	-	5140	-
5	Kasakendu	Municipality	0.90	40	8	-	700
6	Kharasanpur	Duarsuni	1.30	49	-	550	-
7	Kusumsila	Medinipur	3.25	114	-	980	-
8	Mahijhore	Sagapada	4.13	67	-	550	1180
9	Medinipur	Medinipur	9.70	396	-	-	6520
10	Pipalnala	Medinipur	34.95	809	324	8010	6390
11	Rajamunda	Deypur	2.66	81	-	1000	-
12	Risigaon	Risigaon	0.65	40	-	60	-
13	Salebhata	Gudalipadar	11.65	40	-	700	-
14	Tikarpara	Resigaon	5.80	142	109	5010	-
15	Artal	Artal	2.60	81	-	200	2750
16	Ashasagar	Municipality	9.00	121	67	2150	350
17	Karlapada	Karlapada	0.70	40	-	60	-
18	Dungipunga	Kuliamal	2.55	40	-	-	-
19	Koramunda	Medinipur	2.65	41	-	450	-
20	Khadkanalla	Medinipur	2.80	42	-	-	-
21	Kutenjore	Kuliamal	2.60	41	-	300	-
22	Partula	Bhawanipatna	2.60	41	-	-	-
23	Bijepur	Deypur	10.75	160		-	300

24	Salepali	Dadpur	2.30	40		-	-
25	Tiljodi	Gandakhol	4.50	120		-	-
26	Turpi	**Cheliamal**	8.90	640	200	-	-
		Total		**3,586**	**720**	**30,090**	**19,240**
	DHARMAGARH BLOCK						
1	Debripadar	Debripadar	0.40	40		-	-
2	Mukhiguda	Dumerguda	1.95	81	25	200	-
3	Padampur	Tendapali	5.20	86	-	1701	-
4	Tarapur	Tarapur	4.48	120	-	200	-
5	Tentuliapada	Dharmagarh	1.80	40		1000	-
6	Thanat	Brahmanichandi	1.30	40		-	-
7	Golamunda kata	Khairpadar	1.20	40		-	-
8	San kenduguda	Tendapali	1.30	40	-	-	-
9	Gataguda	Tipiguda	8.20	40		-	-
10	Dhobenchancharanalla	Tendapali	18.00	196	-	-	-
		Total		**723**	**25**	**3,101**	**-**
	GOLAMUNDA BLOCK						
1	Chahaka	Nuagaon	13.82	364	20	-	9560
2	Farang	Farang	2.60	61	18	-	795
3	Karanjkote	Nuagaon	18.65	769	303	-	17990
4	Karlaguda	Farang	2.60	134	61	-	7090
5	Katikuta	Golamunda	6.85	162	32	6545	-
6	Khalikani	Khalikani	2.60	61	16	-	1650
7	Kodabahal	Rengasapalli	7.00	162	101	-	7160
8	Latabanji	Badachargaon	4.00	81	20	-	2850
9	Mahimasagar	Dhamanpur	3.36	92	-	1730	-
10	Manjhari	Manjhari	1.30	50	-	-	-
11	Sundhimunda	Nuagaon	4.00	101	-	-	3240

12	Antarla	Naktikani	10.00	40	-	-	1050
13	Bagmunda	Leter	4.00	40	-	1010	-
14	Kandrichuan	Naktikani	4.00	40	-	-	-
15	Kathikutel	Manjhari	8.00	40	-	-	-
16	Loherenghat	Golamunda	2.00	40	-	-	-
17	Pakhanjore	Mahaling	18.19	288	-	-	-
18	Phatamunda	Mermahul	3.50	150		-	5990
19	Sargiguda	Gandamer	2.00	40		-	3330
		Tptal		**2,715**	**571**	**9,285**	**60,705**
	JAIPATNA BLOCK						
1	Chatabandhaguda	Dhansuli	1.30	40	-	-	-
2	Ektaguda	Badakarlakota	1.30	40	6	-	600
3	Lakhabahali	Badakarlakota	0.65	40	-	-	600
4	Palas	Pujhariguda	32.10	514	-	9800	-
5	Sabiguda	Pujahriguda	1.30	40	6	2060	-
6	Talagud	Mukhiguda	55.15	40	40	-	-
		Total		**714**	**52**	**11,860**	**1,200**
	JUNAGARH BLOCK						
1	Chhuriagarh	Chhuriagarh	5.20	121	-	-	1,700
2	Pariagarh	Bhairaguda	1.30	61	20	-	1,340
3	Badrisagar	Dedar	2.25	40	-	-	200
4	Bankapalas	Budidhar	1.75	50	-	-	900
5	Deundisibasagar	Mahichala	1.55	40	-	-	-
6	Habaspurkata	Habaspur	2.25	40	-	-	-
7	Jatiakata	Nandal	1.25	40	-	-	-
8	Kandulabandhakata	Goudchendia	1.65	40	-	-	-
9	Kutingpadar kata	Dedar	2.25	48	-	-	600
10	Matigaonsagar	Matigaon	1.65	40	-	-	-
11	Mundraguda	Mundraguda	5.80	214	-	-	915

12	Ratanpala	Bankapalas	4.00	50		-	-
13	Sankarpala	Budidhar	1.25	45	-	-	-
14	Upper kata	Charbahal	1.50	40		-	-
15	Upper kata	Kuturkhama	1.65	45	-	-	-
16	Amjharan	Dasigaon	2.90	40	-	-	-
17	Balarampur	Bankapalas	2.90	40	-	-	-
18	Kankrimal	Dundelmal	2.75	40	-	-	-
19	Palmajharan	Dasigaon	3.25	40	-	-	-
20	Sanjore	Budidhar	2.80	40	-	-	-
		Total		**1,114**	**20**	**-**	**5,655**
	KALAMPUR BLOCK						
1	Naktijore	Bandhakana	10.35	202	-	-	500
				202	-	-	500
	KARLAMUNDA BLOCK						
1	Dongarmunda	Gajabahal	0.50	40	-	600	750
2	Kusurla	Joradobra	1.95	81	-	650	2190
3	Surujuli MIP	Rajpur	1.30	40	-	-	-
		Total		**161**	**-**	**1,250**	**2,940**
	KESINGA BLOCK						
1	Batijore	Kikia	0.80	40	-	315	600
2	Bagad	N.A.C (Kesinga)	1.80	65	20	640	-
3	Brahmanimunda	Kandel	0.80	40	-	480	855
4	Degari	Pastikudi	41.15	1,214	202	26947	-
5	Ghantasala	Kasurpada	2.50	73	12	-	240
6	Ghatapada	Kasurpada	9.60	263	80	8049	-
7	Kantesir	Kantesir	7.75	243	121	3978	-
8	Karunasagar	Kasurpada	20.70	243	121	625	488
9	Kesharimunda	Tundla	3.46	109		5220	-
10	Ret	Gaigaon	388.50	1,214	405	26033	7162

11	Sourapadar	Paralsinga	2.60	40	12	850	-
12	Turla	Kandel	21.75	972	405	17437	2035
13	Turlakhaman	Turlakhaman	3.25	81	49	-	2750
14	Karunanalla	Chancher	9.50	75	-	-	-
15	Hatikhoj	Tundla	0.65	40		-	-
16	Singijharan	Kasurpada	2.60	77	16	-	60
17	Ghantupada	Tundla	3.00	50	-	-	100
		Total		**4,839**	**1,443**	**90,574**	**14,290**
	KOKOSARA BLOCK						
1	Behera	Dudkathenga	67.30	2,000	800	18398	7910
2	Dhansara	Kasibahal	0.90	40	8	-	200
3	Kasibahal	Kasibahal	1.05	61	-	-	-
4	Koksora	Koksara	1.95	81	-	250	-
5	Nuabandha	Kaudala	0.90	40	-	-	-
6	Rajamunda	Badpadaguda	1.25	40	-	250	200
7	Sabarbandha	Badpadaguda	0.80	40	16	100	-
8	Suini	Ampani	38.85	1,092	-	-	14886
9	Talagaon	Bada kenduguda	0.90	40	-	-	-
10	Atharanalla	Gotomunda	8.70	145	-	2100	2310
11	Bad kenduguda	Kaudala	3.25	52	-	-	1290
12	Dhawandhar	Gotomunda	10.75	204	-	-	6880
13	Sirliguda	Temera	5.75	107	-	2585	-
14	Bhaliajore	Bada kenduguda	1.20	40	-	-	-
15	Karlaguda	Temera	1.02	40	-	-	150
16	Sargiguda	Dahagaon	1.00	40	-	-	-
17	Badpadaguda	Bada kenduguda	1.20	40	-	-	-
18	Chingarbandh	Temara	0.90	40	-	-	-
19	Hirasagar	Gamhariguda	1.10	40	-	-	-
20	Bhatajore	Musapali	7.50	100.00	-		
21	Jatakhalia	Badpadaguda	7.50	120	-	2530	-
		Total		**4,402**	**824**	**26,213**	**33,826**

	LANJIGARH BLOCK						
1	Benikpur	Pokharibandha	3.50	128	36	2765	810
2	Dalikupa	Pokharibandha	4.32	161	-	5340	-
3	Dumermunda	Biswanathpur	14.90	121	-	3230	-
4	Karkata	Gunduri	16.80	728	130	-	16,668
5	Kauguda	Lanjigarh Road	2.00	61	-	-	1,000
6	Kiding	Lanjigarh Road	3.90	121	61	-	2,683
7	Madhupur	Lanjigarh Road	1.95	55	20	150	150
8	Pratappur	Chhatrapur	10.35	283	81	11135	-
9	Tangankona	Chhatrapur	15.55	364	81	-	9,795
10	Katakinala	Kamarda	86.50	500	-	21290	-
11	Kutingpadar	Bengaon	8.00	122	-	-	-
12	Maliguda	Lanji	12.80	140	-	-	-
13	Malijuban	Malijuban	2.55	40	-	-	-
	Total			**2,824**	**409**	**43,910**	**31,106**
	MADANPUR RAMPUR BLOCK						
1	Kaliganga	Mohangiri	18.15	486	73	9100	-
2	Pujiladu	Barabandha	5.20	182	121	4170	-
3	Budhidalabahali	Mohangiri	8.25	97	-	-	3150
4	Chitalpata	Muding	11.50	100	-	-	2700
5	Talijore	Panakamal	8.40	135	-	4650	-
6	Sikelkupa	Gochhadenga	0.65	40	12	-	-
7	Hariharsagar	M. Rampur	0.35	40	-	-	-
8	Kaptinalla	Barbandha	2.65	50	-	-	-
9	Pitamal	Madanpur	2.60	50	-	-	-
10	Lamer	Barabandha	9.00	142	-	6150	-
		Total		**1,322**	**206**	**24,070**	**5,850**
	NARLA BLOCK						
1	Asurgarh	Sargiguda	1.80	100	-	-	600

2	Bagpur	Narla	49.00	825	324	19620	-
3	Bhaludhar	Palam	9.70	243	121	8760	-
4	Brahamani kata	Narla	1.30	40	-	-	-
5	Chipuljore	Tileimal	45.00	472	-	14150	-
6	Jodabandha	Gigina	3.90	61	24	1860	-
7	Perencho	Tulapada	155.40	2,023	-	39850	-
8	Sunamukhisagar	Rupra	1.80	56	-	-	-
9	Titikela	Rupra	3.25	61	24	1000	-
10	Tulapada	Tulapada	2.60	81	24	5750	-
11	Matuljore	Bhimkela	20.00	250	-	8370	-
12	Subarnarekha	Tulapada	13.50	80	-	3400	-
13	Rupranalla	Rupra	2.50	40	-	-	-
14	Salebhata	Palm	2.50	40		-	800
15	Gadiajore	Narla	61.80	400	-	3060	10460
16	Mangalajore	Tukarla	33.75	250	-	-	-
		Total		**5,022**	**517**	**105,820**	**11,860**
	THUAMUL RAMPUR BLOCK						
1	Kamalajharan	Karlapat	2.60	61	20	825	1,620
2	Udayasagar	Karlapat	2.60	81	20	2410	2,685
3	Saisuni	Gundri	2.50	50	-	-	-
4	Bimalguda	Dumerpadar	2.55	40	-	-	-
5	Debriguda	Badachhatrang	2.60	40	-	-	-
6	Kamaraghat	Badachhatrang	3.10	45	-	-	-
7	Latiaguda	Badachhatrang	2.50	40	-	-	-
8	Perumanji	Karlapat	2.60	40	-	-	-
9	Samapala	Sindhipadar	3.00	45	-	-	-
10	Barhanala	Gunpur	9.50	250	-	-	-
11	Tukuguda	Gopalpur	11.75	184	-	-	-
		Total		**876**	**40**	**3,235**	**4,305**

1. **Crop Coverage & Condition: -**

Sl No	Name of the crops	Target in ha	Achievement in ha
1	Paddy	55197	61795
2	Other Cereals	2017	686
3	Pulses	111787	114038
4	Oilseeds	26107	23017
5	Vegetables	17223	14223
6	Spices	1478	1101
7	Sugarcane	1800	1449
	Total	***215609***	***216309***

2. Irrigation Potential: - The programme& availability of irrigation water from different sources during Rabi 2018-19 is given below.

1) Source wise Irrigation programme and achievement-

Sl. No.	Name of the projects	Availability of irrigation water (ha.)	
		Programme	Achievement
1	Major IP	53496	52409
2	Medium IP	969	1380
3	Minor IP	660	774
4	Check Dam	741	408
5	L.I.P Govt.	7817	6367
6	Micro R/L Project	0	0
7	LIP (OAIC)	662	487
8	Bore well (Cluster)	5180	4097
9	Bore well (Pvt.)	1500	1455
10	Shallow tube well	105	77
11	Dug wells	4460	4062
12	WHS	940	737
13	Others	8851	12488
	Total	***85381***	***84741***

Productivity of major Crops in the District

2) Crop wise Irrigation programme& achievement for Rabi 2018-19 in ha.

Sl No	Name of the crops	Programme	Achievement
1	Paddy	55197	61795
2	Other cereals	2017	686
3	Pulses	2594	1893
4	Oilseeds	5132	3786
5	Vegetable	17223	14085
6	Spices	1418	1047
7	Sugarcane	1800	1449
	Total	***85381***	***84741***

3. Seed supply position:-During Rabi 2018-19, 6400 Qtl of HYV certified Paddy seeds and 2051.36 Qtls. of Non Paddy has been sold to the Farmers at subsidized rate. The details of which is indicated below:-

(Fig. in Qtl.)

Sl. No.	Name of the seeds	Target	Total supply
1	Paddy	6400	1351.20
2	Biri	87	213.24
3	Mung	700	1010.92
4	Bengal gram	60	48
5	Groundnut	280	750
6	Mustard	15	0
7	Til	2	0
8	Sunflower	23	21
9	Field pea	5	8.2
	Total Non-Paddy	**1172**	**2051.36**

4. Seed Production during Rabi-2018-19 :

Sl. No	Name of the Agency	Name of the crop	Variety	Area Achieved (ha)	Anticipated production inQtl.
1	OSSC	Paddy	MTU-1010	104.5	3135
2			CR Dhan-310	4	120
3			Lalat	7	210
4			Bina-11	210.3	6309
5			Mandakini	12	300
6			Sahabhagi	6	150
			Total	343.8	10224

1. **Fertilizer consumption: -** During Rabi 2017-18 adequate quantities of different chemical fertilizers have been made available through Wholesale Dealers/ Retailers network of the District. The material-wise and nutrient wise consumption is as follows:-

1) Material wise- (Fig in MT)

Sl. No.	Name of the Fertiliser	Name of the Manufacturer	E.C. for Rabi 2017-18	Opening Balance as on 1.10.2017	Stock receipt	Stock available for Kalahandi district	Quantity issued/ sold	Closing Balance
1	UREA	NFCL		400		400	400	0
		IFFCO		0	4509	4509	4509	0
		KRIBHCO		0		0	0	0
		IPL		9.9	530	539.9	539.9	0
		TOTAL	**8600**	**409.9**	**5039**	**5448.9**	**5448.9**	**0**
2	DAP	PPL		530.85	897.45	1428.3	1422.05	6.25
		IFFCO		235	200	435	435	0

		IPL		0	22	22	22	0
		CIL		289.3	0	289.3	278.3	11
		GSFC		17	0	17	0	17
		TOTAL	**3400**	**1072.15**	**1119.45**	**2191.6**	**2157.35**	**34.25**
3	MOP	IPL		1477.9	0	1477.9	1477.9	0
		PPL		0	752.25	752.25	747.25	5
		TOTAL	**2500**	**1477.9**	**752.25**	**2230.15**	**2225.15**	**5**
4	A.S	SAI		0		0	0	0
		TOTAL	**300**					
5	SSP	**IPL**		**0**	**20**	**20**	**20**	**0**
		TOTAL	**400**	**0**	**20**	**20**	**20**	**0**
6	28:28:00	CIL		0	85	85	85	0
		TOTAL	**400**	**0**	**85**	**85**	**85**	**0**
7	20:20:0:13	PPL		991.25	1955.5	2946.75	2937.15	9.6
		IPL		0	0	0	0	0
		IFFCO		1406.25	157.5	1563.75	1563.75	0
		CIL		95.3	0	95.3	0	95.3
		TOTAL	**8000**	**2492.8**	**2113**	**4605.8**	**4500.9**	**104.9**
8	10:26:26	PPL		0	0	0	0	0
		IFFCO		0	0	0	0	0
		TOTAL	**100**	**0**	**0**	**0**	**0**	**0**
9	14:35:14	CIL		0	0	0	0	0
		TOTAL	**500**	0	0	0	0	0
10	12:32:16	PPL		**0**	**0**	**0**	**0**	**0**
		TOTAL	**0**	0	0	0	0	0
11	15:15:15	IPL		0	20	20	20	0
		TOTAL	**150**	**0**	**20**	**20**	**20**	**0**
	GRAND TOTAL		**24350**	**5452.75**	**9128.70**	**14581.45**	**14437.30**	**144.15**

2) Nutrient wise Target &Achievement 2017-2018 (**Fig in MT)**

Sl. No.	Nutrients	Target	Achievement
1	N	7296	3821.80
2	P	3586	1922.56
3	K	1641	1335.09
	Total	**12523**	***7079.45***

6. Farm Mechanization: -To popularize the different farm machineries, subsidy provisions have been made to different needy farmers during 2018. The target and achievement is as follows.

Sl No	Name of the Machinery	2017-18		2018-19	
		Tar	Ach	Tar	Ach

1	Tractor	192	130	124	103
2	Power tiller	697	242	388	295
3	Paddy reaper	209	85	47	43
4	Paddy Transplanter (highest in State)	110	7	86	80
5	Power driven implements (MB, Seed Drill, Cultivator, Trolly)	209	40	227	162
6	Post Harvest	83	13	589	456
7	Power Thresher	0	0	0	0
8	Combine Harvestor	133	97	58	50
9	Manual/Bullock drawn Implement	0	0	0	2479
10	Diesel Pump set	1100	185	856	515
11	Rotavator	685	601	474	456
12	Special Power driven Implement (Rice Rubber sheller, Dal Mill, Bush Cutter, Axil Flow Thresher)	940	669	563	458

7. Private Irrigation under RIDF-The achievement of private irrigation under RIDF is as follow.

Sl. No.	Name of the projects	Ach.-2017-18	Ach.-2018-19	Target 2019-20
				Tar.-
1	Borewell & Shallow Borewell	136	6	180
2	Solar dugwell	0	26	94
3	Dugwell	0	0	0
4	Solar Borewell	0	48	0

8. Commercial Agri. Entrepreneurship:

District	Ach. on ASC
Kalahandi	24

9. **Agricultural Credit/ PMPBY: -** During Kharif 2018, 78009nos of farmers insured paddy crop in 57112ha. with premium of Rs. 784.63lakhs which covered insured value of Rs. 38902.84lakhs during Rabi 2018-19 4250nos of farmers insured 3000ha. of crops with premium of Rs. 32.02lakhs which covered insured value of Rs. 2134.67lakhs. The annual crop loan plan for 2018-19 is indicated below.

Rs in lakhs

Crop loan programme for 2018-19 of NABARD			
Fig. in lakh			
Sl. No.	**Name of the block**	**Units**	**Crop loan**
1	Bhawanipatna	37723.00	14912.48
2	Kesinga	21687.00	8062.50
3	Th.Rampur	14095.00	3540.72
	Total Bh.Patna	**73505.00**	**26515.70**
4	Narla	19817.00	7868.66
5	M.Rampur	13447.00	4647.36
6	Karlamunda	12447.00	4383.24
7	Lanigarh	16529.00	4873.82
	Total Narla	**62240.00**	**21773.08**

8	Dh.garh	24161.00	9029.87
11	Koksara	23808.00	8524.99
13	Golamunda	30878.00	12372.37
	Total Dh.garh	**78847.00**	**29927.23**
9	Junagarh	29145.00	12301.83
10	Jaipatna	21253.00	8520.96
12	Kalampur	13572.00	6045.57
	Total Junagarh	**63970.00**	**26868.36**
	G.Total	**278562.00**	**105084.37**

10. Soil Testing-

Fig.in Nos.

Sl.No	Name of the Blocks	Total target of soil sample to be collected during 2018-19	Total soil sample collected during 2018-19	Total soil sample analyzed during 2018-19	Total soil Health cards printed & dispatched during 2018-19
1	Bhawanipatna	500	485	485	1348
2	Kesinga	550	169	169	613
3	Th.Rampur	1800	267	267	999
4	Narla	1950	536	475	1578
5	M.Rampur	2500	1684	1070	540
6	Karlamunda	1300	473	244	0
7	Lanjigarh	1250	80	0	0
8	Dharmagarh	3900	1910	1414	3962
9	Koksara	2250	939	939	900
10	Golamunda	2150	864	701	1243
11	Junagarh	2100	1544	80	170
12	Jaipatna	4500	1529	1529	2323
13	Kalampur	500	525	409	458
	Total	**25250**	**11005**	**7782**	**14134**

9. Special Schemes: - To increase the Area, Production & Productivity of different crops, special scheme like, State Plan(IPP,STM,IAEC,SRI,STC), Farm Women Training, NFSM (Pulse, Cotton & Mesta), ATMA, RKVY,NMOOP, PMKSY, NeGP-A, Millet Mission & PKVY etc has been operating in the district. The detail component wise allotment and expenditure up to March-2018 The Scheme wise.

Sl. No.	Name of the Schemes	2017-18		2018-19	
		Target in Rs.	Ach. in Rs.	Target in Rs.	Ach. in Rs.
1	State Plan(STM)	960000	960000	1627000	0
2	State Plan (STC)	1108380	1108380	2132000	2132000
3	State Plan (Line Transplanting)	1500000	1500000	1440000	1440000

4	State Plan (IAEC)	815000	815000	915000	915000
5	State Plan (Green Manuring cum-Seed Production)	1512000	1512000	2520000	2520000
6	CMs Package(Drought)	3311136	3278024	3109000	2585607
7	CMs Package(Pest Management)	6671525	6604809		
8	NFSM (CC-Mesta)	200000	0		
9	NFSM (CC-Cotton)	2137000	1732700	2588000	2628000
10	NFSM-CC (State Plan Cotton)	0	0	4260000	4260000
11	NFSM (Oilseeds)	3187700	2779060	2300000	1707943
12	Targetting rice fallow area (TRFA) under NFSM (Oilseeds)	1965000	515055	8265000	5880097
14	NFSM(Pulse)	14760300	12197400	14400000	5993471
15	Targetting rice fallow area (TRFA) under NFSM (Pulse)	34584000	21794000	40700000	35162155
16	ATMA	20503564	10616195	26755094	20854294
17	RKVY (BGREI)	15086400	1322636	23701000	2289607
19	NeGP-A	322000	297000	72000	0
20	PKVY	25069600	7405797		
21	Millet Mission	11405000	6574380	27940000	6079000

1.12- Agriculture:

Sl. No.	Block	Land less HHs	No of Share Croppers	Marginal Farmers	Small Farmers	Semi Medium	Medium Farmers	Large Farmers	Average Size of Land Holding.
					(1.0 to < 2 Ha.)	(2.0 to <4.0 Ha.)	(4.0 to < 10 Ha.)	(10.0 Ha. and above)	
1	Bh.Patna			9560	5928	3369	1418	140	
2	Kesinga	26	11870	6611	4097	2328	978	97	2.09
3	Th.Rampur			5826	3611	2051	861	85	
4	Narla			21070	6890	1020	710	391	
5	M.Rampur			8789	5380	1703	456	201	
6	Karlamunda			8050	5367	2178	189	0	
7	Lanjigarh			7808	5733	1983	866	138	
8	Dh.garh			7865	15815	2018	836	205	
9	Koksara			7828	4853	2757	1158	114	
10	Golamunda			9560	14036	3676	1576	0	
11	Junagarh	7843	1755	24000	10000	3000	1000	150	
12	Jaipatna			6415	3976	2259	948	93	

13	Kalampur			3181	1972	1120	470	46	
	Total	77567		126563	87658	29462	11466	1660	1.94

Status of Land pattern

Sl. No.	Name of the Block	Total Area (in Hectares.)	Cultivable Area	Net Sown Area	Irrigated Area
1	Bh.Patna	142959	49654	48987	10792
2	Kesinga	42120	31851	29530	11376
3	Th.Rampur	72400	17266	17160	3598
4	Narla	49088	31887	31726	12168
5	M.Rampur	65206	22940	22387	8477
6	Karlamunda	21669	14887	14830	12455
7	Lanjigarh	121681	23907	22449	6556
8	Dh.garh	41826	33877	33800	24977
9	Koksara	42323	37912	37670	9594
10	Golamunda	70226	41541	40800	14270
11	Junagarh	67245	41908	40560	38658
12	Jaipatna	38630	29808	29322	17758
13	Kalampur	16627	14562	14500	11801
	Total	792000	392000	383721	182480

Production of different crops

Sl. No.	Name of the crops	Area covered in ha		Production in MT		Productivity in qtl/ha	
		2017	2018	2017	2018	2017	2018
1	Paddy	194892	195923	749360	673975	38.45	34.4
2	Other cereals	10116	10311	29683	27986	29.34	27.14
3	Pulses	87128	80743	64060	60268	7.35	7.46
4	Oilseeds	11463	15979	12368	17318	10.8	10.84
5	Vegetables	27908	27042	473694	459469	169.73	169.91
6	Fibres	55035	58625	69480	72821	12.62	12.42
7	Spices	1765	2001	4035	4305	22.86	21.52
8	Fruit crops	21498	12989	0		0	
9	Tuber crops	158	149	0		0	

10	Sugarcane	1407	1227	0		0	
	Total	**411370**	**404989**	**1402680**	**1316141**	**34.10**	**32.50**
	Intercrop area	**28038**	**21268**				
	Net sown area	**383332**	**383721**				

Mixed cropping:-The Achievement under mixed cropping during 2017 & 2018 Kharif was as follows:-

Sl. No.	Name of the crop	2017	2018	
		Achievement	Target	Achievement
1	Paddy+ Arhar	436	494	342
2	Arhar + Mung/Biri	129	236	179
3	Groundnut+ Arhar	334	341	239
4	Cotton+ Arhar	18683	25153	18376
5	Paddy+Biri/Mung	5	5	0
6	Cotton+Biri/maize	55	60	41
7	Maize + Arhar	312	373	277
8	Arhar +Ragi/Jowar	0	0	0
9	Fruits + Pulses	4192	3535	772
10	Fruits + Spices	206	236	9
11	Fruits + Tuber crops	106	119	0
12	Fruits + Vegetables	3091	3213	1033
	Total	**27549**	**33765**	**21268**

Diversification of cropping pattern: - Achievement under diversification of different remunerative crop from highland paddy has been made during Kharif 2017 & 2018, is as follows:-

Sl. No.	Name of the crop	2017	2018	
		Achievement	Target	Achievement
1	Paddy	386	0	0
2	Cotton	1117	1470	2893
3	Maize	0	0	0
4	Ragi/ Small millets	48	4014	541
5	Arhar	6078	3607	2213
6	Biri/Mung other pulses	3124	0	0
7	Oilseeds	1371	4170	2764
8	Mesta/ Sunhemp	0	0	0
9	Groundnut/Til	0	0	0
10	Fruits Crops	33	0	0
11	Tuber Crops	12	0	0
12	Vegetables & S. Potato	723	3862	2405
13	Spices	2	1001	538
14	Sugarcane	0	0	0
	Total	**12894**	**18124**	**11354**

Farm Mechanization: To popularize different farm machinery, subsidy provision has been made to different needy farmers. The achievement of different farm machinery under different scheme 2017-18 & 2018-19 is given below.

Sl No	Name of the Machinery	2017-18		2018-19	
		Tar	Ach	Tar	Ach
1	Tractor	192	130	124	103
2	Power tiller	697	242	388	295
3	Paddy reaper	209	85	47	43
4	Paddy Transplanter (highest in State)	110	7	86	80
5	Power driven implements (MB, Seed Drill, Cultivator, Trolly)	209	40	227	162
6	Post Harvest	83	13	589	456
7	Power Thresher	0	0	0	0
8	Combine Harvestor	133	97	58	50
9	Manual/Bullock drawn Implement	0	0	0	2479
10	Diesel Pump set	1100	185	856	515
11	Rotavator	685	601	474	456
12	Special Power driven Implement (Rice Rubber sheller, Dal Mill, Bush Cutter, Axil Flow Thresher)	940	669	563	458

JALANIDHI :-

Sl. No.	Name of the projects	Ach.-2017-18	2018-19	
			Tar.-	Ach.
1	Borewell & Shallow Borewell	136	185	6
2	Solar dugwell	0	120	26
3	Dugwell	0	0	0
4	Solar Borewell	0	48	48

Seeds: - Certified & quality seeds of different crops were supplied and sold to the farmers at subsidized rate during 2012, 2013 , 2014 , 2015, 2016, 2017& 2018 is given below.

(Figs. in qnt.)

Sl. No.	Name seeds	Quantity supplied in Qtls by Dept.						
		2012	2013	2014	2015	2016	2017	2018
1	Paddy	**53217.3**	**56351.26**	**67621.4**	**73339.8**	**38365.8**	**54042.03**	**21422.95**
2	Dhanicha	67.2	91.6	50	50	0	275.75	287.00
3	Arhar	0	266	19.2	0	192.5	0	85.72
4	Groundnut	631.7	0	0	0	74.4	0	214.50
5	Maize	0	0	0	0	0	0	65.40
6	Mung	0.52	0	26	2	80	0	0
7	Biri	37.84	0	188.8	0	300	0	40.00
8	Ragi	0	0	0	0	0	0	0
9	Til	0	0	0	0	0	0	0
	Total Non-Paddy	***737.26***	***357.6***	***284***	***52***	***646.9***	***275.75***	***692.62***

Fertilizer:-The following quantities of fertilizers in shape of material have been utilized in the district during 2017 & 2018Kharif. The rate of consumption of NPK during the year 2017 & 2018 Kharif were 60 kg/ha & 50.11 kg/ha respectively

Sl. No	Name of fertilizer	Consumption in MT		Nutrient wise consumption in MT		
		2017	2018	Nutrient	2017	2018
1	Urea	31172.2	24589.32	N	18333	16056.97
2	A/S	0	0	P	6745	7742.82
3	SSP	0	77			
4	MOP	6525.6	5601.3	K	4080	3505.04
5	DAP	8945.75	9247			
6	10:26:26	0	0	Total	**29158**	**27304.83**
7	28:28:0	0	329.5			
8	14:35:14	1177	1883	**Kg / Ha.**	**76.00**	**71.15**
9	16:16:16	0	201.6	**Ratio of NPK**	**4.49:1.65:1**	**4.58:2.20:1**
10	15:15:15	0	0			
11	12:32:16	0	0			
12	20:20:00:13	11091.72	13466.35			
13	DAP Lite	0	0			
	Total	**58912.27**	**55395.07**			

1.13- Irrigation:

Sl. No.	Block	Large and Medium Irrigation Projects		Minor Irrigation Project		Lift Irrigation Point(River)		LI points (Deep bore wells)	
		Units	Ayacut Area inHa.	Units	Ayacut Area in Ha.	No.	Ayacut Area Ha.	No.	Aayacut area
1	Bh.Patna			17	1810	102	2384	509	5090
2	Kesinga			13	3868	74	1742	546	5460
3	Th.Rampur			3	108	3	60	0	0
4	Narla			14	4086	108	2680	132	1320
5	M.Rampur	1	1039	5	945	116	2896	172	1720
6	Karlamunda		8267	2	80	74	1748	22	220
7	Lanjigarh			9	1672	56	1212	16	160
8	Dh.garh	1	17512	9	473	43	1056	109	1090
9	Koksara		1971	19	3526	44	976	62	620
10	Golamunda		5379	11	1567	92	1962	381	3810
11	Junagarh		34488	5	462	111	2392	132	1320
12	Jaipatna		15289	6	726	29	832	80	800
13	Kalampur		10992	1	120	11	228	9	90
	Total		**94937**	**114**	**19443**	**863**	**20168**	**2170**	**21700**

Sl. No.	Block/ Year	Major / Medium Irrigation Projects.		Minor Irrigation Project				Other Sources		TOTAL	
				Flow		Lift					
		Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	Kharif	Rabi	Kharif	Rabi
1	2	3	4	5	6	7	8	9	10	11	12
1	Bhawanipatna	0	0	2461	312	2863	1831	2305	3483	7629	5626
2	Dharamgarh	13902	10912	392	0	900	590	741	5139	15935	16641
3	Golamunda	0	1133	2457	55	1515	892	4082	4525	8054	6605
4	Jaipatna	14801	13523	726	52	640	278	1168	2539	17335	16392
5	Junagarh	33558	24748	726	0	1867	1338	1398	4845	37549	30931
6	Kalampur	10166	9073	69	0	140	152	347	955	10722	10180
7	Karlamunda	8267	0	86	0	1100	740	524	1426	9977	2166
8	Kesinga	0	0	5183	300	1374	1060	2330	2932	8887	4292
9	Koksara	2479	1999	4057	600	944	441	850	2532	8330	5572
10	Lanjigarh	0	0	1897	115	811	590	1744	2033	4452	2738
11	M.Rampur	1039	720	843	40	1728	1046	1543	2208	5153	4014
12	Narla	0	0	5246	160	2076	1515	3249	2445	10571	4120
13	Th.Rampur	0	0	227	40	0	0	2119	2001	2346	2041

Rain fall Data:YEAR MONTH WISE RAINFALL REPORT (in mm) OF KALAHANDI DISTRICT.

YEAR 1999 – 2018

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1999	0	0.58	5.62	0	109.52	249.19	319.31	303.62	173.6	49.33	0.92	0	1211.69
2000	0	50.16	0.62	0.23	42.41	201.05	438.23	378.66	174.19	5.23	0	0	1290.78
2001	0	0	0.38	27.2	45.54	576.53	443.89	561.12	105.23	37	0	0	1796.89
2002	0	0	2.23	19.26	68.45	175.85	123.75	371.65	114.38	12.91	0	0	888.48
2003	0	4	14.29	9.57	3.42	119.15	508.34	783.48	494.6	128.62	0	38.68	2104.15
2004	12.26	5.08	5.09	28.58	23.85	454.23	412.53	514.12	165.94	134.92	0	0	1756.6
2005	39.23	6.35	1.15	3.88	19.91	223.38	356.13	231.11	459.71	50.15	0	0	1391
2006	0	0	35.18	16.82	78.59	154.83	816.64	819.83	304.99	9.6	7.88	0	2244.36
2007	0	0	0	4.95	43.28	456.07	241.44	690.15	399.13	42.76	0	0	1877.78
2008	31.17	3.54	4.41	6.23	0	335.31	304.87	733.82	456.1	14.92	0	0	1890.37
2009	1.15	0	0.68	0	6	75.4	911.5	357.85	104.02	39.37	14.15	0	1510.12
2010	5.21	0	1.23	9.62	99.52	100.77	444.43	364.57	296.87	170.7	9.95	29.76	1532.63
2011	0	15.31	0	43.95	41.81	182.21	148.72	412.06	324.4	5.23	0	0	1173.69

2012	17.77	0.15	1.08	27.62	11.46	210.85	382.62	451.23	268.15	29.85	23.54	0	1424.32
2013	3.62	3.38	0.54	27.85	69.23	594.15	440.23	280.46	188	248.08	0	0	1855.54
2014	0	5.62	14.69	6.46	176.54	102.69	618.38	408.31	347.54	58.77	1	0	1740
2015	8.31	0	3.31	84.62	43.31	300	264.77	286.15	364.46	3	1.08	8.19	1367.2
2016	0	2.46	10	11.35	23.08	133.27	360.74	322.81	348.32	119.73	0	0	1331.76
2017	0	0	15.52	2.46	16.5	209.64	511.85	342.65	208.94	116.66	1.16	0	1425.38
2018	0	0	0	14.52	40.12	106.44	652.15	815.76	231.42	59.88	0	76.18	1996.47

1.15- Storage and Market Facility:

Sl. No.	Block	Storage Godowns		Cold Storage Units		No. of Permanent Mandis in the area	Others
		Nos.	StorageCapacity (in Qtls.)	Nos.	Storage Capaicity		
1	Bhawanipatna	16	4000	NA	NA	NA	NA
2	Karlamunda	15	3750	NA	NA	NA	NA
3	Kesinga	18	4500	NA	NA	NA	NA
4	Narla	23	5750	NA	NA	NA	NA
5	M. Rampur	37	9350	NA	NA	NA	NA
6	Th. Rampur	3	750	NA	NA	NA	NA
7	Lanjigarh	1	250	NA	NA	NA	NA
8	Junagarh	13	3250	NA	NA	NA	NA
9	Dharmagarh	9	2250	NA	NA	NA	NA
10	Golamunda	16	4000	NA	NA	NA	NA
11	Koksara	4	1000	NA	NA	NA	NA
12	Kalampur	2	500	NA	NA	NA	NA
13	Jaipatna	0	0	NA	NA	NA	NA

Under NFSA, 325043 families are identified as the Priority households. Besides, 54136 families were identified under AAY category and 2281 under Annapurna. To meet the food grain requirement of the beneficiaries covered under NFSA, the district had an allotment of 72246 Qntl of rice and 2999.93 Qntl of wheat. To ensure timely delivery of food grain, the district has PDS retail outlay. Besides, the district has 5 major storage points with 450000 Qntl. storage capacities. These storage points are being managed by CWC, OSWC and RMC.

SL No	Name of the Block/ULB	No of BPL cards	No of AAY cards	No of APL cards	No of Annapurna Cards	No of PLO Cards	No of RDP cards	Total
1	Bhawanipatna	14808	4490	11444	237	1095	670	32744
2	Kesinga	7704	4743	6184	171	1069	432	20303
3	Narla	13386	4751	6031	178	1065	460	25871
4	M.Rampur	9359	3319	2138	110	1024	218	16168
5	Karlamunda	4721	1743	5014	86	807	360	12731
6	Lanjigarh	10315	4496	3330	125	947	203	19416
7	Th-Rampur	11140	4124	1420	116	1041	99	17940
8	Dharamgarh	14300	4762	10212	205	1002	403	30884
9	Junagarh	15756	4958	12396	280	1043	567	35000

10	Koksora	12533	4217	7097	170	1000	374	25391
11	Jaipatna	9576	3691	11478	194	1005	314	26258
12	Golamunda	12797	5448	5026	189	1217	237	24914
13	Kalampur	2728	2191	4442	91	935	229	10616
14	Bhawanipatna Municipality	3369	617	11106	84	974	199	16349
15	Junagarh NAC	1713	397	2409	27	509	50	5105
16	Kesinga NAC	1677	189	3027	18	409	33	5353
Total		145882	54136	102754	2281	15142	4848	325043

1.16- Primary Agricultural Cooperative Societies:

Sl. No.	Block	No. of PACs	No. of Farmers	Seed distributed during last year (in Qtls.)	Fertilizer distributed during last year (in Qtls.)	Loan distributed (amount in Lakhs.)	Paddy procured during previous season (K +R) amount in Qtls.
1	Bhawanipatna	5	12452	1063.5	12403	2341	98417.3
2	Kesinga	7	14221	981	3246	3221	144731
3	Lanjigarh	9	15674	541	2122	3265	86267.1
4	Th.Rampur	5	12387	489.2	2200	2429.42	83646.8
5	M.Rampur	6	11378	1113	1730	1802.21	132704
6	Narla	5	17654	1078	2810	2532.82	135833
7	Karlamunda	6	18745	703	3657	654	140229
8	Dharamgarh	7	17546	629.2	1882	582	93048.1
9	Golamunda	5	10321	318.2	2415	348	128938
10	Koksara	6	16783	85.2	437	512	67341.3
11	Junagarh	5	9854	1370.4	873	612	113472
12	Jaipatna	6	9555	324.6	548	670.21	672
13	Kalampur	5	7634	215.2	1265	1004	97543
Total		77	174204	8911.5	35588	19973.66	1322842

Ype	No. of Societies	Membership
Primary Agricultural Credit co-operative societies	77	174204
Non-Agricultural Co-op. Societies	33	13784
Regional Co-op. Marketing Societies (RCMS)	02	228
Bhawanipatna Central co-operative bank Ltd. BCC Bank Branches	13	245728

Primary Agricultural Credit Co-operative Societies in different Blocks of Kalahandi district

(Rs.inLakh)

Sl. No.	Block/ Year	No. of Societies	Member-ship (No)	Working capital	Loans advanced	Loans over due	Loans out-standing
1	2	3	4	5	6	7	8
1	Bhawanipatna	11	24513	1603.15	682.89	541.76	997.79
2	Dharmagarh	8	22752	1294.66	917.12	336.73	1323.18
3	Golamunda	9	12034	945.18	609.77	225.26	590.67
4	Jayapatna	5	18708	1487.15	1382.84	362.90	1068.36
5	Junagarh	16	41081	3143.32	3202.93	703.22	2319.15
6	Kalampur	5	18708	1487.15	1382.84	362.90	827.12
7	Karlamunda	3	9871	486.26	167.43	359.87	436.38
8	Kesinga	7	20287	1470.16	913.78	402.79	1084.81
9	Koksara	6	20282	1609.24	1085.02	412.19	1629.57
10	Lanjigarh	3	8769	296.00	71.72	142.83	248.27
11	M.Rampur	4	10673	786.26	140.29	279.58	400.19
12	Narla	7	21164	1592.25	792.28	612.23	1016.59
13	Th.Rampur.	3	6782	85.90	3.86	36.46	42.67

Details of Livestock in the District

1.17 Veterinary Hospitals/Veterinary Dispensary/LACs

Sl. No.	Block	Veterinary Hospital/ Dispensaries	No.of Doctors	Livestock Aid Centres	No.of Livestock Inspectors	No.of Artificial Insemination Centes	Others (to be specified) (**Baif, Trust&Gomitras**)
1	Karlamunda	1	2	7	7	6	4
2	M.Rampur	1	1	10	8	7	1
3	Narla	1	2	11	8	11	6
4	Lanjigarh	2	3	10	8	4	1
5	Bhawanipatna	3 (District Vety. Hospital-1 & VD-1)	2	20	20	19	4
6	Kesinga	3	3	13	13	16	5
7	Th. Rampur	1	1	8	6	2	0
8	Dharmagarh	2 (Hospital-1 & VD-1)	4	9	7	9	5
9	Kalampur	1	2	5	4	4	2
10	Koksara	2	2	12	10	12	7
11	Jaipatna	1	1	8	7	7	2
12	Golamunda	1	2	10	5	7	1
13	Junagarh	2 (Hospital-1 & VD-1)	3	16	15	15	1
	Total	**21**	**28**	**139**	**118**	**119**	**39**

NB: Now 13 nos. of Mobile Veterinary Units (MVU) are functioning one in each block of the district.

1.17-Livestock:

Sl. No.	Block	Livestock Population					Requirement of fodder in Qtls ./day
		Milch Animals		Draught Animals		Total	
		Cow,Buffalo	Sheep,Goat	Bullock	Donkey, Pony etc.,		
1	Karlamunda	2945	0	11462	0	14407	216105
2	M.Rampur	3930	0	13891	0	17821	267315
3	Narla	5309	0	16230	0	21539	323085
4	Lanjigarh	6736	0	14251	0	20987	314805
5	Bhawanipatna	10523	0	27674	0	38197	572955
6	Kesinga	6442	0	17472	0	23914	358710
7	Th. Rampur	11389	0	18926	0	30315	454725
8	Dharmagarh	3492	0	7608	0	11100	166500
9	Kalampur	2586	0	4365	0	6951	104265
10	Koksara	6830	0	15249	0	22079	331185
11	Jaipatna	5015	0	11730	0	16745	251175
12	Golamunda	4221	0	18682	0	22903	343545
13	Junagarh	6899	0	15277	0	22176	332640
	Total	**76317**	**0**	**192817**	**0**	**269134**	**4037010**

1.18- Fishery

Fishery

FISHERMEN COMMUNITY & FISH FARM						
Sl. No.	Name of the Block	Households	Population	No. of Fish farm	No. of Boats/Dugout canoe etc.	Remarks
1	Kesinga	135	673	0	14	Country crafts
2	Narla	162	809	0	60	Country crafts
3	Karlamunda	62	307	0	0	
4	M. Rampur	22	111	2	2	Country crafts
5	Bhawanipatna	81	417	1	4	Country crafts
6	Lanjigarh	70	349	1	20	Country crafts
7	Junagarh	163	817	3	6	Country crafts
8	Th. Rampur	452	2086	0	205	Country crafts
9	Kalampur	34	170	0	0	
10	Jaipatna	75	374	1	0	
11	Dharmagarh	43	216	1	15	Country crafts
12	Koksara	80	380	1	1	Country crafts
13	Golamunda	108	539	1	5	Country crafts
	Total	1487	7248	11	332	

1.19 FISH FARMS

Sl No.	Name of the Block	No. of Fish farms	Area in Ha.	No. of farmers involved
1	Kesinga	0	0.00	0
2	Narla	0	0.00	0
3	Karlamunda	0	0.00	0
4	M. Rampur	2	5.00	10
5	Bhawanipatna	1	1.60	5
6	Lanjigarh	1	1.00	5
7	Junagarh	3	7.00	20
8	Th. Rampur	0	0.00	0
9	Kalampur	0	0.00	0
10	Jaipatna	1	10.00	15
11	Dharmagarh	1	1.20	3
12	Koksara	1	1.20	5
13	Golamunda	1	1.80	8
Total		**11**	**28.80**	**71**

Production of Fish in different Blocks of Kalahandi District

Sl. No.	Block	Production of Fish (in MT)			
		Fresh Water	Brackish water	Marine	Total
1	Bhawanipatna	1745.45	0	0	1745.45
2	Kesinga	1777.98	0	0	1777.98
3	Narla	2181.00	0	0	2181.00
4	M Rampur	2096.40	0	0	2096.40
5	Karlamunda	2271.10	0	0	2271.10
6	Lanjigarh	1853.30	0	0	1853.30
7	Th Rampur	1388.10	0	0	1388.10
8	Dharmagarh	2010.30	0	0	2010.30
9	Junagarh	2006.30	0	0	2006.30
10	Koksara	2033.00	0	0	2033.00
11	Jaipatna	2646.20	0	0	2646.20
12	Golamunda	1636.70	0	0	1636.70
13	Kalampur	1775.00	0	0	1775.00
	TOTAL	25420.83	0	0	25420.83

Table No. 1.20- :**Horticultural and other Plantations (Perennial Crops)**

Table No.1.20: Horticultural and other plantations (Perennial Crops)

Block	Mango Plantation (Ha)	Guava Plantation (Ha)	Pomegranate Plantation (Ha)	Tissue culture Banana (Ha)	Litchi Plantation (Ha)	K.Lime Plantation (Ha)	No of farmers involved
1	2	3	4	5	6	7	8
Bhawanipatna	135.8	0	1.9	0	0	0	197
Kesianga	106.3	0	0	0	0	0	178
Karlamunda	148	0	1	0	0	0	162
M.Rampur	142.5	0	2	0	0	0	175
Narla	167.8	0	1	0	0	0	207

Lanjiagarh	108.4	0	2	0	10.6	9	195
Th.Rampur	264.1	0	2	0	35.5	18.5	503
Dharmagarh	77.5	0	1.25	2.49	0	0	124
Junagarh	155	0	3	7.63	0	0	196
Golamunda	158.4	1	0	3.09	0	0	292
Koksara	144.6	0	5	0.84	0	0	186
Jaipatna	23.2	0	0.88	2.1	0	0	45
Kalampur	5.6	0	1	22.16	0	0	42
Total	1637.2	1	21.03	38.31	46.1	27.5	2502

Sl No	Name of the District	Type of Plantations	Area in hectares	No of farmers involved
1	Kalahandi	Horticulture plantation for both household's consummation and business purposes.	1771	2502

Source: DDH, Kalahandi

Table No.1.21 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	Bhawanipatna	0	0	324	1123	321	321	1	1876	1	12
2	Kesinga	2	34	345	2122	223	223	1	346	0	0
3	Lanjigarh	1	25	456	3123	45	45	1	2371	0	0
4	Th.Rampur	1	76	432	1124	234	234	1	1234	0	0
5	M.Rampur	1	66	312	543	112	112	1	1165	0	0
6	Narla	0	0	115	546	114	114	1	345	0	0
7	Karlamunda	1	223	326	876	134	134	1	644	0	0
8	Dharamgarh	0	0	364	1124	355	355	1	523	0	0
9	Golamunda	0	0	312	1121	33	33	1	178	0	0
10	Koksara	0	0	332	1054	165	165	1	1896	0	0
11	Junagarh	0	0	363	1109	287	287	1	213	1	20
12	Jaipatna	1	2345	331	1964	267	267	1	189	0	0
13	Kalampur	1	336	432	2105	176	176	1	113	0	0

Total	8	3105	4444	17934	2466	2466	13	11093	**2**	**32**

Table No. 1.22- :**Handloom and Handicraft Artisans**

Activities o fMicro,Small and MediumEnterprises,Cottage& Handloom Industries in Kalahandi district.

Sl. No.	Items	Magnitude		
		2012-13	2013-14	2014-15
1	2	3	4	5
A)Micro,SmallandMediumEnterprises				
i)	No ofMSMEUnits Setup.	144	194	841
ii)	TotalCapitalInvestment. (Rs. inLakhs.)	1161.85	3060.49	4825.78
iii)	Employment Generated. (In Numbers)	694	1010	3561
B)CottageIndustries				
i)	No ofS.S.I.Units Established.	82	155	54
ii)	TotalCapitalInvestment. (Rs. inLakhs.)	5.19	32.49	15.00
iii)	Employment Generated. (In Numbers)	82	155	64
C)HandloomIndustries				
i)	No ofLooms.	147	147	147
ii)	TotalCapitalInvestment(Rs. in lakhs.)	263.58	250.29	258.29
iii)	Production(InlakhSq.Mt.)	0.91	0.54	42.60
iv)	Employment Generated(In Numbers.)	294	294	208

1.23- Employment and Livelihood:

Sl. No.	Name of 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	Kalahandi	Bhawanipatna	327081	27614	40078	61888	456661		544	2429	290
2	Kalahandi	Kesinga	74579	9364	18129	8188	110260		48	330	60
3	Kalahandi	Lanjigarh	116136	12372	32498	10483	171489		336	834	204
4	Kalahandi	Th.Rampur	72115	5235	9797	15210	102357		95	223	118
5	Kalahandi	M.Rampur	89819	12957	23858	6812	133446		168	427	107
6	Kalahandi	Narla	152865	15197	33275	19361	220698		312	1992	322
7	Kalahandi	Karlamunda	168325	18705	36709	22574	246313		479	1149	295
8	Kalahandi	Dharamgarh	148991	15782	28851	18556	212180		696	2067	315
9	Kalahandi	Golamunda	98777	13988	27643	7415	147823		169	450	72
10	Kalahandi	Koksara	162859	12995	25099	30045	230998		231	862	186
11	Kalahandi	Junagarh	52422	7046	13857	4543	77868		53	150	215
12	Kalahandi	Jaipatna	185028	15310	36622	22545	259505		388	1350	213
13	Kalahandi										
Total			**1648997**	Kalampur	**326416**	**227620**	**2369598**	**19246**	**3519**	**12263**	**2397**

Agriculture is the mainstay of livelihood of the district. People of the district adopt various economic activities to sustain their life and livelihood. In Kalahandi 144991 persons were

engaged as cultivators, 436733 people as agricultural labourers and 227620 person as wage labourer besides, 18453 person engaged in HouseHold industry.

1.24- Industries and Mining:

A. Industries/Mines

Type of Industries	No. Available	Employment generated
Small Scale industry	915	7020
Cottage Industry	243	526
Graphite Mines	1	Not working

B. Action plan for promotion of MSME units

Category	No. Available	Employment generated	Appx. Investment in Lakh
Agro and Food	120	1200	1200
Engineering and Metal	30	120	300
Glass and Ceramic	5	30	30
Electrical and Electronics	25	100	125
Forest /Wood	20	80	100
Chemical	5	40	25
Textiles	50	300	250
Ancillary/Downstream Industries	25	500	625
Repair and services	10	60	100
Total	**290**	**2430**	**2755**

C. Action Plan for promotion of cottage industries during the year 2017-18

Category	No. Available	Employment generated	Appx. Investment in Lakh
Wood Crafts	50	100	25
Bamboo craft	48	96	24
Terraacotta	80	160	40
Stone craft	10	20	10
Jute industry	30	60	15
Leaf plate	15	60	15
Bakery	10	30	40
Total	**243**	**526**	**169 lakh**

1.25- Availability of Educational Facilities:

Education

Sl. No.	Name of the Block	Total No. of Children Enrolled	No. of Children Dropped Out	No. of Children Never Enrolled
1	Bhawanipatna	25843	24	35
2	Dharamgarh	20013	29	127
3	Golamunda	20425	20	40
4	Jaipatna	17933	138	120
5	Junagarh	26221	52	102
6	Kalampur	8468	26	28
7	Karlamunda	7681	0	27

8	Kesinga	16821	20	78
9	Koksara	15282	60	84
10	Lanjigarh	15398	167	314
11	M.rampur	14623	29	57
12	Narla	19235	37	102
13	Th rampur	13970	308	309
14	Bhawanipatnamp	10319	8	43
15	Junagarh nac	4120	4	18
16	Kesinganac	3014	1	16
17	Dharamgarhnac (u)	3164	0	7
Total		**242530**	**923**	**1507**

Schools and other Educational Institutions

EDUCATIONAL INFRASTRUCTURE

Sl. No.	Name of the Block	No. of Primary Schools	No. ME Schools	No. of High Schools	No. of Teachers	Teacher Pupil Ratio	No. of Colleges	No. of ITI/ Polytechnic/ Vocational Training Institutes
1	BHAWANIPATNA	158	78	38	1201	25.02	03	01
2	DHARAMGARH	97	58	20	702	32.74	01	
3	GOLAMUNDA	131	68	21	750	33.70	04	
4	JAIPATNA	118	51	21	626	32.58	02	
5	JUNAGARH	133	61	37	981	32.29	04	
6	KALAMPUR	62	26	06	340	29.46	02	
7	KARLAMUNDA	58	31	13	372	25.91	04	
8	KESINGA	107	40	28	714	28.18	03	
9	KOKSARA	96	68	22	650	33.18	02	
10	LANJIGARH	154	48	22	671	34.76	03	
11	M.RAMPUR	114	52	14	542	27.39	01	
12	NARLA	141	54	29	662	26.56	03	
13	TH RAMPUR	114	50	17	499	34.11	01	
14	BHAWANIPATNA MPL	24	11	7	298	21.02	04	
18	JUNAGARH NAC	7	4	3	123	27.11	02	
17	KESINGA NAC	9	3	2	86	25.38	02	
18	DHARAMGARH NAC (U)	9	4	3	105	23.89	02	
TOTAL		**1532**	**707**	**303**	**9322**		**43**	

Schools and other Educational Institutions

EDUCATIONAL INFRASTRUCTURE

Sl. No.	Name of the Block	No. of Primary Schools	No. ME Schools	No. of High Schools	No. of Teachers	Teacher Pupil Ratio	No. of Colleges	No. of ITI/ Polytechnic/ Vocational Training Institutes
1	BHAWANIPATNA	162	80	38	1201	25.02	03	01
2	DHARAMGARH	97	58	20	702	32.74	01	
3	GOLAMUNDA	132	69	21	750	33.70	04	
4	JAIPATNA	118	51	21	626	32.58	02	
5	JUNAGARH	146	61	34	945	32.29	04	
6	KALAMPUR	70	27	11	340	29.46	02	
7	KARLAMUNDA	58	31	13	372	25.91	04	
8	KESINGA	107	40	28	714	28.18	03	
9	KOKSARA	98	68	22	650	33.18	02	
10	LANJIGARH	160	51	22	671	34.76	03	
11	M.RAMPUR	115	52	14	542	27.39	01	
12	NARLA	149	57	27	803	26.56	03	
13	TH RAMPUR	115	51	17	499	34.11	01	
14	BHAWANIPATNA MPL	25	11	7	298	21.02	04	
18	JUNAGARH NAC	7	4	3	123	27.11	02	
17	KESINGA NAC	9	3	2	86	25.38	02	
18	DHARAMGARH NAC (U)	9	4	3	105	23.89	02	
TOTAL		**1577**	**718**	**303**	**9427**	**29.84**	**43**	

2. Infrastructure

2.1-Educational Infrastructure and other Facilities:

Sl. No.	Name of the Block / ULB	No. of Primary school Only	No. ME (Upper primary schools	No. of High Schools (Including Upgraded high schools having classes 1-10)	Odisha Adarsh Vidyalaya (Upper primary with Secondary and Higher Secondary)	No. of higher secondary schools (having class 1-12)	No. of teachers	Total Enrolment	PTR
1	BHAWANIPATNA	162	77	22	1		1071	28776	26.87
2	BHAWANIPATNA MPL	24	9	6			275	5847	21.26
3	DHARAMGARH	97	53	9	1		591	21509	36.39
4	DHARAMGARH NAC	9	4	2			81	2337	28.85
5	GOLAMUNDA	132	60	9	1		607	23987	39.52
6	JAIPATNA	114	50	14	1		550	18990	34.53
7	JUNAGARH	145	55	23	1		803	27660	34.45
8	JUNAGARH NAC	7	4	3			103	3068	29.79
9	KALAMPUR	70	26	6	1		285	9467	33.22
10	KARLAMUNDA	58	28	8	1		322	9094	28.24
11	KESINGA	107	35	15	1		571	19385	33.95
12	KESINGA NAC	9	2	2			63	1996	31.68
13	KOKSARA	98	58	11	1		512	20057	39.17
14	LANJIGARH	161	49	20	1		622	20461	32.9
15	M.RAMPUR	114	51	11	1		503	13967	27.77
16	NARLA	149	52	14	1		662	20341	30.73
17	TH RAMPUR	114	51	17	1	1	482	15694	32.56
	DISTRICT	**1570**	**664**	**192**	**13**	**1**	**8103**	**262636**	**31.88**

1.26- Enrolment Status of Children (6-14 years):

ENROLLMENT STATUS OF CHILDREN (6-14 YEARS)				
Sl. No.	**Name of the Block**	**Total No. of children Enrolled**	**No. of Drop out children**	**No. of never enrolled children**
1	Bhawanipatna	25436	0	0
2	Bhawanipatnampl	20281	0	0
3	Dharamgarh	21349	0	0
4	Dharamgarhnac	17833	0	0
5	Golamunda	24461	22	5
6	Jaipatna	8379	0	0
7	Junagarh	7707	0	0
8	Junagarh nac	17229	0	0
9	Kalampur	17775	14	7
10	Karlamunda	18566	0	0
11	Kesinga	12744	0	0
12	Kesinganac	18022	28	9
13	Koksara	14662	0	0
14	Lanjigarh	10552	0	0
15	M.rampur	4084	0	0
16	Narla	3441	0	0
17	Th rampur	3592	0	0

1.27- School building uses as flood shelter of the District during flood

Sl. No.	Name of the Block	GP	Village	School/ AWC
1	Bhawanipatna	-	-	-
2	Bhawanipatnampl	-	-	-
3	Dharamgarh	-	-	-
4	Dharamgarhnac	-	-	-
5	Golamunda	Mahaling Leter	Mahaling l Eter	Mahaling pups Leterps
6	Jaipatna	Jaipatna	Khairmal	Khairmal ups
7	Junagarh	Banijora	Kutengaon	Kotenps
8	Junagarh nac	-	-	-
9	Kalampur	Kalampur	Biripur, balichhadabankapalas	Balichhada ups bankapalaskgvp
10	Karlamunda	-	-	-
11	Kesinga	Belkhandi Tundla Kashrupada Patharla	Belkhandirajapada Ghatpada Malpada	Belkhandi ups Tundlahs Kashrupadahs Malpadaps
12	Kesinganac	-	-	-
13	Koksara	-	-	-
14	Lanjigarh	-	-	-
15	M.rampur	Muding	Durladani	Durladani ups
16	Narla	-	-	-
17	Th rampur	-	-	-

INFORMATION ON REGISTERED CHILD CARE INSTITUTIONS (CCI) OF KALAHANDI

Details of Child Care Institutions							
Data as on 30.04.2019							
SL NO.	**DETAILS OF CCI's**	**Total numbers of Cildren Living in CCI at Present**		**Record cumulative FOUND**	**CONTACT DETAILS**		
		GIRL	**BOYS**	**(a+b-c)**	**Contact Person**	**Contact No**	**e-mail ids**
1	BanabasiSeva Samiti, At-Dongriguda, Po-Deypur, Ps-Bhawanipatna, Dist-Kalahandi	0	53	**53**	Manoj Kumar Jal	7008497821	awtcbajsskld@gmail.com banabasi72@gmail.com
2	New Life Power Gospel Fellowship, At-Boring Padar, Ps-Kesinga, Kalahandi.	45	2	**47**	Siani Harpal	9938065937	nlpgforissa@yahoo.com
3	JasodaAnatha Ashram, At-Gambhariguda, Po-Dharmagarh, Dist-Kalahandi.	26	20	**46**	Shyam Sundar Jal	9937262774	jasoda.childrenhome@gmail.com
4	Bal Gopal Seva Niketan, At-Kantabanji (Kesinga Road), Po/Ps-Bhawanipatna, Dist-Kalahandi.	0	53	**53**	Hemanta Kumar Mund	9437361231	hemantamund456@gmail.com
5	Good News Dream Centre, At-Dengsargi, Po-Sergarh, Ps-Narla, Dist-Kalahandi.	**Closed down in the Month of October 2018**					

6	Navjeevan Orphan Children Home, At/Po/Ps-Golamunda,	16	14	**30**	Ram Bilas Sagar	9937486597	asrayagolamunda@yahoo.in
7	Nehru Seva Sangha, At-Parmanandpur, Po/Ps-Bhawanipatna, Dist-Kalahandi.	64	39	**103**	AshalataSahu	8338945540	nehrusevasangh.bhawanipatna@gmail.com
8	Dr. B.R. Ambedkar SevaAnatha Ashram, At-Pandkul, Po/Ps-Golamunda, Dist-Kalahandi.	28	22	**50**	MahirajPanigrahi	9937516896	ambedkarsevashram@gmail.com
9	Emmanuel Ministries of India At/Po/Ps-Dharmagarh, Dist-Kalahandi.	44	34	**78**	DhaniramTandi	9437140627	dhaniramtandi@gmail.com
10	"NavajeevanSeva Mandal" At/po-Boring Padar, Po/Ps-Kesinga, Dist-Kalahandi	19	17	**36**	Dibakara Kumar	9776605015 7250626953	nsmkesinga@gmail.com
11	ALTC Boys Home" At-Burat, Po/Ps-M.Rampur, Dist-Kalahandi	0	28	**28**	Pankaj Naik	9668463241	dibyanshnetplanet@gmail.com
12	PRAYAS managed by VISION, At-Sambhunagar Pada, Po/Ps-Bhawanipatna, Dist-Kalahandi	4	5	**9**	Saroj Kumar Dash	8456823036	visionkalahandi@yahoo.com
		246	**287**	**533**			

1.28--Migration: (at least one member of the household migrating outside the district/ state for a period of more than 4 months in search of work during the year)

- Trend and duration of Migration:
- Destinations of Migration:

Sl. No.	District	No. of Migrating HHs	Migrating Population			Children (0-6 Years)		Children (7-14 years)	
1			Male	Female	Total	M	F	M	F
2	Kalahadi	187	234	143	374	29	23	NA	NA
	Total=	187	234	143	374	29	23	NA	NA

1.28- Electricity:

VILLAGE Electrification status under KEED,Bhawanipatna

SL No	Name of the Block	Village Electrification				House hold Electrification		
		Total nos of villages	Nos of villages fully Electrified	Nos of villages partially Electrified	Nos of UN electrified villages	Total nos of HHS	Nos of HHS Electrified	Nos of HHS Un Electrified
1	Bhawanipatna	264	204	56	4	39883	28576	11307
2	Karlamunda	60	56	4	0	13201	12647	554
3	Kesinga	102	99	3	0	23690	21879	1811
4	Lanjigarh	420	309	85	26	20432	16357	4075
5	M.Rampur	227	197	16	14	25685	21770	3915
6	Narla	164	150	14	0	19433	17687	1746
7	Golamunada	14	13	1	0	2324	2206	118
8	Junagarh	4	3	1	0	92	58	34
	Total	**1255**	**1031**	**180**	**44**	**144740**	**121180**	**23560**

VILLAGE Electrification status under KWED,Bhawanipatna

SL No	Name of the Block	Village Electrification				House hold Electrifiaction		
		Total nos of villages	Nos of villages fully Electrified	Nos of villages partially Electrified	Nos of UN electrified villages	Total nos of HHS	Nos of HHS Electrified	Nos of HHS Un Electrified
1	Bhawanipatna	5	5	0	0	346	346	0

2	Dharamgarh	77	77	0	0	26899	26899	0
3	Golamunda	115	115	0	0	25068	25068	0
4	Jayapatna	93	93	0	0	26459	26459	0
5	Junagarh	160	160	0	0	35256	35256	0
6	Kalampur	55	55	0	0	12474	12474	0
7	Koksara	71	71	0	0	24933	24933	0
8	Th Rampur	281	281	0	0	16703	16703	0
	Total	**857**	**857**	**0**	**0**	**168138**	**168138**	**0**

2Table No. 10 :Electrical Infrastructure in the Flood Prone Area under KEED,Bhpt.

Sl. No.	**Name of the Block/ ULB**	**No. of 33/11 KV Substations**	**No. of Distributing Transformers**			**Conductor/ Electrical lines-11 KV or less (length in Kms.)**	**No. of Poles**	**No. of High Tension Towers**	**High Tension lines above 11 KV (length in Kms.)**
			11 KV or Less	**11 KV < and <60KV**	**6o KV and above**				
1	Bhawanipatna	Naktiguda, Bhangabari&Borda	62	84	36	212	16960	NIL	22
2	**Kesinga**	**Kesinga, Utkela**	**46**	**36**	**41**	**62**	**4960**	**NIL**	**26**
	Narla	**Narla,Rupra Road**	**22**	**37**	**18**	**122**	**9760**	**NIL**	**18**
	M.rampur	**Madanpur,karlamunda**	**34**	**25**	**29**	**147**	**11760**	**NIL**	**26**

Table No. 10:**Electrical Infrastructure in the Flood Prone Area KWED DEPT.**									
Sl. No.	Name of the Block/ ULB	No. of 33/11 KV Substations	No. of Distribution Transformers			Conductor/ Electrical lines-11 KV or less (length in Kms.)	No. of Poles	No. of High Tension Towers	High Tension lines above 11 KV (length in Kms.)
			11 KV or Less	11 KV < and <60KV	6o KV and above				
1	Junagarh	Junagarh ,Charbahal& Mahichala	630	18	0	985.65	28653	NIL	3
2	Kalampur	Kalampur&Badkutru	425	12	0	786.5	22563	NIL	18
3	Th Rampur	Th Rampur	465	2	0	986.3	11562	NIL	52
4	Golamunda	Golamunda& Keygaon	426	4	0	860.36	15623	NIL	40

5	Dharamgarh	Godbhanja& Behera	356	3	0	986.6	14808	NIL	25
6	Jayapatna	Mukhiguda&Jayapatna	236	4	0	865.3	13808	NIL	78
7	Koksara	Gadramal&Ladugaon	342	6	0	944.2	14320	NIL	16

Drinking Water and Sanitation:

1.29- Drinking Water:

2.9.13 Drinking water and sanitation

Sl. No.	Name of the Block	Total No. of Functional Tube Wells	Total No. of Sanitary Wells	Total No. of Functional Tube Wells & Sanitary Wells	No. of Over Head tanks	Pipe Water Supply					Remarks
						No. of Piped water supply	No of Solar PWS	Total PWS	No. of Villages/Habitation Covered	No. of Households	
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
1	Bhawanipatna	2416	65	2481	32	40	38	78	101	49245	
2	Dharamgarh	1334	1	1335	15	19	24	43	44	31072	
3	Golamunda	1989	16	2005	12	24	34	58	64	33964	
4	Jaipatna	1310	37	1347	4	8	38	46	46	30867	
5	Junagarh	1944	9	1953	19	29	48	77	79	44242	
6	Kalampur	776	14	790	4	11	6	17	17	15801	
7	Karlamunda	983	0	983	7	15	5	20	23	17714	
8	Kesinga	1556	8	1564	17	24	31	55	65	29917	
9	Koksara	1369	35	1404	10	21	23	44	49	30380	
10	Lanjigarh	1678	181	1859	6	12	131	143	143	31975	
11	M.Rampur	1460	33	1493	6	15	24	39	50	20793	
12	Narla	1825	22	1847	13	22	39	61	83	32421	
13	Th.Rampur	924	244	1168	34	41	29	70	68	18588	
	Total	***19564***	**665**	**20229**	***179***	***281***	***470***	***751***	**832**	***386979***	

2.Sanitation

Sl. No.	Name of the Block	Village Sanitation				Total No. of community sanitary complex	Households		Schools	
		Total No.	No. of ODF villages	No. of villages having covered drains	Length in KM.		Total no. of HHs	Total no. of HHs having IHHL	Total No.	No. of schools having functional toilets
1	Bhawanipatna	260	33	NA	NA	2	33764	22496	NA	NA
2	Dharamgarh	68	0	NA	NA	11	28254	12604	NA	NA
3	Golamunda	121	7	NA	NA	2	27126	14570	NA	NA
4	Jaipatna	90	5	NA	NA	0	25910	11859	NA	NA
5	Junagarh	161	12	NA	NA	0	35507	19730	NA	NA
6	Kalampur	55	1	NA	NA	0	18378	9058	NA	NA
7	Karlamunda	62	8	NA	NA	0	16304	11697	NA	NA
8	Kesinga	99	32	NA	NA	0	26669	20125	NA	NA
9	Koksara	69	1	NA	NA	0	23952	11583	NA	NA
10	Lanjigarh	395	91	NA	NA	0	21547	16893	NA	NA
11	M.Rampur	221	15	NA	NA	0	18164	10278	NA	NA
12	Narla	167	15	NA	NA	0	28780	15976	NA	NA
13	Th.Rampur	260	51	NA	NA	0	16915	10024	NA	NA
Total		**2028**	**271**			**15**	**321270**	**186893**		

WATER TABLE DATA

Table 4.6: Total water demand of the district for various sector

Block	Components for 2011 (In BCM)					Components for 2025 (In BCM)				
	Domestic	Crop	Livestock	Industrial	Total	Domestic	Crop	Livestock	Industrial	Total
Golamunda	0.00284	0.04753	0.00092	0.00043	0.05171	0.00572	0.30245	0.00097	0.00086	0.30999
Dharamagarh	0.00305	0.04753	0.00044	0.00046	0.05148	0.00615	0.85585	0.00047	0.00092	0.86340
Junagarh	0.00380	0.25611	0.00085	0.00057	0.26134	0.00767	1.59111	0.00090	0.00115	1.60083
Koksara	0.00261	0.06074	0.00087	0.00039	0.06461	0.00527	0.33361	0.00091	0.00079	0.34058
Jaipatna	0.00291	0.09422	0.00065	0.00044	0.09821	0.00587	1.01697	0.00068	0.00088	1.02440
Kalampur	0.00132	0.07537	0.00026	0.00020	0.07714	0.00265	0.59524	0.00027	0.00040	0.59856
Th. Rampur	0.00170	0.00592	0.00124	0.00026	0.00912	0.00344	0.09213	0.00131	0.00052	0.09739
Lanjigarh	0.00204	0.03891	0.00085	0.00031	0.04210	0.00412	0.12779	0.00089	0.00062	0.13341

Bhawanipatna	0.00373	0.05729	0.00142	0.00056	0.06300	0.00753	0.29729	0.00149	0.00113	0.30744
Kesinga	0.00254	0.05859	0.00090	0.00038	0.06240	0.00512	0.28604	0.00094	0.00077	0.29287
Karlamunda	0.00126	0.06471	0.00053	0.00019	0.06669	0.00254	0.23598	0.00056	0.00038	0.23945
M. Rampur	0.00182	0.03889	0.00069	0.00027	0.04167	0.00368	0.15101	0.00072	0.00055	0.15596
Narla	0.00265	0.06324	0.00082	0.00040	0.06711	0.00534	0.28062	0.00086	0.00080	0.28763
Total	**0.02654**	**0.74220**	**0.00840**	**0.00398**	**0.78112**	**0.05353**	**5.49848**	**0.00882**	**0.00803**	**5.56887**

Table 4.2: Crop water requirement of Kalahandi district						
Crops	Area sown (ha)	Irrigated area (ha)	Crop water demand (mm)	Water potential required (BCM)	Existing water potential (BCM)	Water potential to be created (BCM)
Cereals	257437	162568	1000	4.385996	0.191165	4.194831
Coarse cereals	21575	5716	450	0.076441	0.007787	0.068654
Pulses	182151	19823	500	0.361632	0.004416	0.357215
Oilseeds	48390	8615	500	0.137931	0.048856	0.089076
Cotton	45411	0	1000	0.056764	0.021517	0.035246
Horticulture	19827	4432	900	0.122025	0.021517	0.100508
Vegetables	6851	4113	550	0.061264	0.021517	0.039746
Any other	90049	59767	600	0.964042	0.021517	0.942524
Total	671691	265034	5500	6.166095	0.987938	5.178157

Table 4.3: Livestock water potential of Kalahandi district						
District	Block		Livestock water demand (BCM)		Existing water potential (BCM)	Water potential to be created (BCM)
	Code	Name	2011	2025		
Kalahandi	260	Golamunda	0.000919096	0.000965051	0.049349	-0.048383949
	261	Dharamagarh	0.000442884	0.000465028	0.114515	-0.114049972
	262	Junagarh	0.000854042	0.000896745	0.258158	-0.257261255
	263	Koksara	0.000866126	0.000909433	0.06244	-0.061530567
	264	Jaipatna	0.000648834	0.000681275	0.095783	-0.095101725
	265	Kalampur	0.000259189	0.000272148	0.076039	-0.075766852
	266	Th. Rampur	0.001244838	0.00130708	0.0077424	-0.00643532
	267	Lanjigarh	0.000845735	0.000888022	0.04041546	-0.039527438
	268	Bhawanipatna	0.001420028	0.001491029	0.059906	-0.058414971
	269	Kesinga	0.000898425	0.000943346	0.060298	-0.059354654
	270	Karlamunda	0.000530871	0.000557415	0.06565	-0.065092585
	271	M. Rampur	0.000685803	0.000720093	0.040164	-0.039443907
	272	Narla	0.000822594	0.000863724	0.06491	-0.064046276
Total			**0.008399197**	**0.008819157**	**0.82464586**	**-0.815826703**

Table 4.1: Domestic Water Demand of Kalahandi district										
District	Block code	Block Name	Population 2011			Population 2025			GWD 2011 (BCM)	GWD 2025 (BCM)
			Rural	Urban	Total	Rural	Urban	Total		
Kalahandi	260	Golamunda	129499	0	129499	156694	0	156694	0.002836	0.005719
	261	Dharamagarh	139359	0	139359	168624	0	168624	0.003052	0.006155
	262	Junagarh	173660	0	173660	210129	0	210129	0.003803	0.007670
	263	Koksara	119304	0	119304	144358	0	144358	0.002613	0.005269
	264	Jaipatna	124569	6155	130724	150728	7448	158176	0.002908	0.005869
	265	Kalampur	60075	0	60075	72691	0	72691	0.001316	0.002653
	266	Th. Rampur	77840	0	77840	94186	0	94186	0.001705	0.003438
	267	Lanjigarh	93179	0	93179	112747	0	112747	0.002041	0.004115
	268	Bhawanipatna	170527	0	170527	206338	0	206338	0.003735	0.007531
	269	Kesinga	115828	0	115828	140152	0	140152	0.002537	0.005116
	270	Karlamunda	57418	0	57418	69476	0	69476	0.001257	0.002536
	271	M. Rampur	72632	7892	80524	87885	9549	97434	0.001821	0.003679
	272	Narla	120992	0	120992	146400	0	146400	0.002650	0.005344
Total			**1454882**	**14047**	**1468929**	**1760407**	**16997**	**1777404**	**0.032272**	**0.065093**

Table 4.4 Industrial water demand of Kalahandi district					
Block	Name of the Industry	Water demand (BCM)		Existing water potential (BCM)	Water potential to be created (BCM)
		2011	2025		
Golamunda	Industry of different types, hotels, hospitals, lodges, schools, offices etc.	0.000425404	0.000857899	0.048383949	-0.04752605
Dharamagarh		0.000457794	0.000923219	0.114049972	-0.113126753
Junagarh		0.000570473	0.001150454	0.257261255	-0.256110801
Koksara		0.000391914	0.000790359	0.061530567	-0.060740208
Jaipatna		0.000436168	0.000880313	0.095101725	-0.094221412
Kalampur		0.000197346	0.000397982	0.075766852	-0.07536887
Th. Rampur		0.000255704	0.000515671	0.00643532	-0.005919649
Lanjigarh		0.000306093	0.000617288	0.039527438	-0.038910151
Bhawanipatna		0.000560181	0.001129699	0.058414971	-0.057285272
Kesinga		0.000380495	0.000767332	0.059354654	-0.058587323
Karlamunda		0.000188618	0.00038038	0.065092585	-0.064712205
M. Rampur		0.000273163	0.000551786	0.039443907	-0.038892121

Narla		0.000397459	0.000801542	0.064046276	-0.063244734
Total (BCM)		**0.0039816**	**0.0080302**	**0.813685471**	**-0.805655258**
*If water potential to be created is negative indicates surplus avialbility of water resource					

(SOURCE- DIP, KALAHANDI)

Rural Water Supply and Santitation

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 any
		No. of Villages / Wards	Population (Approx)	No. of Villages / Wards	Population (Approx)	No. of Villages / Wards	Population (Approx)	
1	2	3	4	5	6	7	8	9
1	Bhawanipatna							
2	Dharamgarh							
3	Golamunda					50	7800	
4	Jaipatna	3	1500	3	1700			
5	Junagarh					2	1050	
6	Kalampur							
7	Karlamunda							
8	Kesinga							
9	Koksara							
10	Lanjigarh							
11	M.Rampur					1	480	
12	Narla							
13	Th.Rampur							
	Total	**3**	**1500**	**3**	**1700**	**53**	**9330**	

1.31- Sanitation:

o.	**Block Name**	**Total Detail Entered (With & Without Toilet)**	**Total HH Detail with Toilet**	**Detail entered for no. of Households not having toilet**						**Coverage of HH (including unapproved)**							
				BPL	**APL**			**Total**		**HH entered by Name in 2013-14**	**In 2014-2015 (Reported by Name)**	**In 2015-16 (Reported by Name)**	**In 2016-17 (Reported by Name)**	**In 2017-18 (Reported by Name)**	**HH's accessing Community and Other Toilet**	**Total HH Covered after BLS**	**Total HH Covered Including BLS**
					Identified	**UnIdentified**	**Total**	**(BPL +APL)**	**Total HH Identified**								

1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4+ 12 + 13 + 14 + 15+ 16 + 17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	BHAWANIPATNA	39951	541	18865	18284	2261	20545	39410	37149	0	298	2571	8418	439	0	11726	12267
2	DHARAMAGARH	32625	141	18959	11810	1715	13525	32484	30769	0	15	511	4589	82	0	5197	5338
3	GOLAMUNDA	29651	390	13126	12012	4123	16135	29261	25138	0	73	1945	5383	13	0	7414	7804
4	JAYAPATNA	27120	276	9577	13776	3491	17267	26844	23353	0	110	969	2793	44	0	3916	4192
5	JUNAGARH	40648	1060	13780	19201	6607	25808	39588	32981	0	47	1718	6625	267	0	8657	9717
6	KALAMPUR	21378	343	8973	11726	336	12062	21035	20699	0	0	258	1229	95	0	1582	1925
7	KARLAMUNDA	16870	343	6047	9913	567	10480	16527	15960	0	288	4483	1977	0	0	6748	7091
8	KESINGA	28367	619	10625	16865	258	17123	27748	27490	0	337	3524	7032	257	0	11150	11769
9	KOKASARA	25600	827	12784	9948	2041	11989	24773	22732	0	0	831	2809	49	0	3689	4516
10	LANJIGARH	22747	1057	12180	9025	485	9510	21690	21205	0	170	1411	3479	74	0	5134	6191
11	MADANPUR RAMPUR	22258	578	14492	6506	682	7188	21680	20998	0	208	1691	2780	94	0	4773	5351
12	NARALA	29600	997	15683	11814	1106	12920	28603	27497	0	69	2049	6175	459	0	8752	9749
13	THUAMUL RAMPUR	17610	3205	9364	4672	369	5041	14405	14036	0	338	565	1733	24	0	2660	5865
Total :-		354425	10377	164455	155552	24041	179593	344048	320007	0	1953	22526	55022	1897	0	81398	91775

Sr. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet					Coverage of HH (including unapproved)							
				BPL	APL			Total	HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+ APL)	Total HH Identified								

1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12+13+14+15+16]	19=[4+12+13+14+15+16+17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	ARTAL	1573	1	1041	491	40	531	1572	1532	0	0	10	166	0	0	176	177
2	BADBASUL	1552	0	1033	519	0	519	1552	1552	0	0	4	196	0	0	200	200
3	BORABHATA	549	0	451	98	0	98	549	549	0	0	31	229	24	0	284	284
4	BORDA	1056	51	731	274	0	274	1005	1005	0	11	122	50	0	0	183	234
5	CHAHAGAON	741	0	140	486	115	601	741	626	0	0	146	103	12	0	261	261
6	CHANCHER	738	4	537	195	2	197	734	732	0	0	24	43	0	0	67	71
7	CHHELIAMAL	982	0	584	396	2	398	982	980	0	1	38	189	0	0	228	228
8	DADPUR	1413	48	317	1048	0	1048	1365	1365	0	52	394	435	10	0	891	939
9	DEYPUR	1280	10	442	811	17	828	1270	1253	0	0	84	680	1	0	765	775
10	DUARSUNI	1772	4	554	1214	0	1214	1768	1768	0	31	77	490	22	0	620	624
11	DUMURIA	1334	1	622	711	0	711	1333	1333	0	29	103	103	43	0	278	279
12	GAND-BARAJHOLA	1015	0	294	721	0	721	1015	1015	0	0	27	220	0	0	247	247
13	GUDIALIPADAR	1391	113	768	509	1	510	1278	1277	0	2	213	361	31	0	607	720
14	GURJUNG	720	14	225	262	219	481	706	487	0	0	23	49	20	0	92	106
15	JUGSAIPATNA	780	0	418	362	0	362	780	780	0	3	12	31	0	0	46	46
16	KALAM	1553	0	1132	288	133	421	1553	1420	0	0	32	115	21	0	168	168
17	KAMATHANA	2283	4	1490	789	0	789	2279	2279	0	0	29	519	4	0	552	556
18	KARALAPADA	1348	86	890	343	29	372	1262	1233	0	0	4	286	0	0	290	376
19	KARLAGUDA	828	4	531	206	87	293	824	737	0	0	13	321	0	0	334	338
20	KENDUPATI	565	0	231	333	1	334	565	564	0	0	14	232	0	0	246	246
21	KULIAMAL	733	26	252	455	0	455	707	707	0	0	15	141	19	0	175	201
22	KUTRUKHAMAR	1118	21	183	532	382	914	1097	715	0	4	31	184	0	0	219	240
2	MADIG	873	1	63	145	91	236	872	781	0	0	26	200	16	0	242	243

Sr. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+ APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6 +7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA				District Name:-KALAHANDI													
3	UDA			6													
24	MALGAON	1311	29	382	900	0	900	1282	1282	0	6	43	287	24	0	360	389
25	MATIA	689	0	263	422	4	426	689	685	0	36	110	35	22	0	203	203
26	MEDNIPUR	2844	0	576	2268	0	2268	2844	2844	0	70	402	634	49	0	1155	1155
27	PALNA	1597	0	449	978	170	1148	1597	1427	0	0	35	476	45	0	556	556
28	PALSIJHARAN	953	6	622	215	110	325	947	837	0	0	7	216	1	0	224	230
29	RISIGAON	1161	1	550	412	198	610	1160	962	0	0	21	244	1	0	266	267
30	SAGADA	1085	0	872	210	3	213	1085	1082	0	0	0	148	3	0	151	151
31	SEINPUR	1214	38	129	567	480	1047	1176	696	0	47	37	207	21	0	312	350
32	TAL-BELGAON	707	0	553	124	30	154	707	677	0	0	53	74	12	0	139	139
33	THUAPADAR	1661	79	752	683	147	830	1582	1435	0	6	159	540	20	0	725	804
34	UDEPUR	532	0	215	317	0	317	532	532	0	0	232	214	18	0	464	464
Total :-		39951	541	188655	18284	2261	20545	39410	37149	0	298	2571	8418	439	0	11726	12267

Sr. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12+13+14+15+16]	19=[4+12+13+14+15+16+17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	BEHERA	1417	24	748	639	6	645	1393	1387	0	0	22	33	0	0	55	79
2	BODEN	2733	0	2683	50	0	50	2733	2733	0	0	41	795	0	0	836	836
3	BRAMHANCHHENDIA	1750	10	907	764	69	833	1740	1671	0	2	43	142	0	0	187	197
4	CHHANCHANBAHALI	1026	0	476	550	0	550	1026	1026	0	0	9	114	0	0	123	123
5	CHHILPA	1954	0	1509	441	4	445	1954	1950	0	0	61	547	7	0	615	615
6	DHANARPUR	1056	0	490	525	41	566	1056	1015	0	0	3	97	0	0	100	100
7	DHARMAGARH	1324	0	598	687	39	726	1324	1285	0	0	0	0	0	0	0	0
8	DUMARGUDA	1734	11	847	852	24	876	1723	1699	0	11	14	40	0	0	65	76
9	GADIAJORE	2165	0	464	1304	397	1701	2165	1768	0	0	14	830	8	0	852	852
10	JAYANTAPUR	790	0	380	410	0	410	790	790	0	0	8	233	0	0	241	241
11	KANGAON	772	0	388	347	37	384	772	735	0	0	15	44	16	0	75	75
12	KANKERI	856	0	316	536	4	540	856	852	0	0	9	183	2	0	194	194
13	KHAIRAPADAR	984	0	414	524	46	570	984	938	0	0	121	31	0	0	152	152
14	NANDAGAON	2542	0	1826	700	16	716	2542	2526	0	0	17	155	0	0	172	172
15	PARLA	2064	6	1239	587	232	819	2058	1826	0	0	6	284	32	0	322	328
16	SANDHIKULIHARI	697	11	277	249	160	409	686	526	0	0	0	59	6	0	65	76
17	TAMBACHHADA	1438	47	607	767	17	784	1391	1374	0	0	42	102	0	0	144	191

Sr. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL		Total			HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12+13+14+15+16]	19=[4+12+13+14+15+16+17]
State Name:-ODISHA							District Name:-KALAHANDI										
18	TARAPUR	3160	31	2378	623	128	751	3129	3001	0	2	24	416	0	0	442	473
19	TENDAPALI	1777	0	1083	561	133	694	1777	1644	0	0	6	267	0	0	273	273
20	TIPIGUDA	2386	1	1329	694	362	1056	2385	2023	0	0	56	217	11	0	284	285
Total :-		32625	141	18959	11810	1715	13525	32484	30769	0	15	511	4589	82	0	5197	5338

r. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL		Total			HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12+13+14+15+16]	19=[4+12+13+14+15+16+17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	BADACHERGAON	1311	24	538	719	30	749	1287	1257	0	0	188	345	0	0	533	557

r. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
					APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
				BPL	Identified	UnIdentified	Total	(BPL +APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA							District Name:-KALAHANDI										
2	BORGUDA	1128	2	464	662	0	662	1126	1126	0	0	47	210	0	0	257	259
3	BRUNDABAHAL	1413	16	525	573	299	872	1397	1098	0	20	43	180	0	0	243	259
4	CHAHAKA	908	2	539	294	73	367	906	833	0	0	134	216	0	0	350	352
5	CHAPRIA	1297	0	126	715	456	1171	1297	841	0	0	54	241	0	0	295	295
6	CHICHIA	1357	0	1327	26	4	30	1357	1353	0	0	16	121	0	0	137	137
7	DASPUR	1572	0	635	936	1	937	1572	1571	0	0	347	508	0	0	855	855
8	DHAMANPUR	1257	7	1007	173	70	243	1250	1180	0	0	30	141	0	0	171	178
9	FARANGA	1089	0	606	229	254	483	1089	835	0	0	15	191	0	0	206	206
10	FUNDA	670	39	355	276	0	276	631	631	0	0	42	342	0	0	384	423
11	GANDEMER	916	91	284	297	244	541	825	581	0	0	59	96	0	0	155	246
12	GOLAMUNDA	1114	0	311	803	0	803	1114	1114	0	0	65	151	0	0	216	216
13	KEGAON	1239	22	614	254	349	603	1217	868	0	0	16	261	0	0	277	299
14	KHALIAKANI	661	0	561	84	16	100	661	645	0	0	33	204	0	0	237	237
15	KHALIAPALI	853	0	18	822	13	835	853	840	0	0	33	121	0	0	154	154
16	KHAMBALDI	1486	46	701	444	295	739	1440	1145	0	53	42	220	0	0	315	361
17	KUHURA	1253	17	648	588	0	588	1236	1236	0	0	96	115	12	0	223	240
18	MAHALING	2081	96	852	657	476	1133	1985	1509	0	0	58	223	0	0	281	377

r. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL +APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA							District Name:-KALAHANDI										
19	MANJHARI	2335	13	749	688	885	1573	2322	1437	0	0	79	344	1	0	424	437
20	NAKTIKANI	977	0	532	372	73	445	977	904	0	0	173	205	0	0	378	378
21	NUAGAON	1197	0	348	498	351	849	1197	846	0	0	55	289	0	0	344	344
22	RENGSAPALI	1311	13	619	559	120	679	1298	1178	0	0	174	209	0	0	383	396
23	SINAPALI	1016	0	81	932	3	935	1016	1013	0	0	141	123	0	0	264	264
24	UCHHALA	1210	2	686	411	111	522	1208	1097	0	0	5	327	0	0	332	334
Total :-		29651	390	13126	12012	4123	16135	29261	25138	0	73	1945	5383	13	0	7414	7804

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Sr. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL +APL)	Total HH Identified								

1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	AINABHATA	999	0	589	341	69	410	999	930	0	0	22	60	0	0	82	82
2	BADAPUJARIGUDA	1240	0	441	798	1	799	1240	1239	0	0	12	10	0	0	22	22
3	BADKARLAKOT	1326	5	428	733	160	893	1321	1161	0	0	23	93	0	0	116	121
4	BANDIGAON	2135	18	384	968	765	1733	2117	1352	0	0	86	218	0	0	304	322
5	BANER	2503	0	417	1583	503	2086	2503	2000	0	0	112	544	13	0	669	669
6	BHAINRIPALI	1696	25	946	501	224	725	1671	1447	0	13	32	131	0	0	176	201
7	DHANSULI	1434	0	681	595	158	753	1434	1276	0	0	29	89	0	0	118	118
8	HIRAPUR	804	0	152	551	101	652	804	703	0	0	3	104	11	0	118	118
9	JAIPATNA	2950	107	918	812	1113	1925	2843	1730	0	22	134	522	0	0	678	785
10	KUCHAGAON	1249	5	451	793	0	793	1244	1244	0	0	55	3	0	0	58	63
11	MANGALPUR	1691	4	435	1252	0	1252	1687	1687	0	26	51	365	0	0	442	446
12	MUKHIGUDA	1540	5	971	564	0	564	1535	1535	0	0	40	69	16	0	125	130
13	PAIKKANDMUNDI	1238	45	529	479	185	664	1193	1008	0	0	28	333	4	0	365	410
14	PRATAPPUR	699	9	399	291	0	291	690	690	0	9	17	1	0	0	27	36
15	RANAMAL	1923	38	45	1687	153	1840	1885	1732	0	0	54	86	0	0	140	178
16	RENGALIPALLI	1286	6	498	782	0	782	1280	1280	0	1	27	7	0	0	35	41
17	SARGIGUDA	786	0	475	270	41	311	786	745	0	0	20	36	0	0	56	56
18	UCHALA	1621	9	818	776	18	794	1612	1594	0	39	224	122	0	0	385	394
Total :-		27120	276	9577	13776	3491	17267	26844	23353	0	110	969	2793	44	0	3916	4192

r. No.	GP Name	Total Det	Total H	Detail entered for no. of Households not having toilet			Coverage of HH (including unapproved)							
				BP	APL	Total	HH	In	In	In	In	HH's	Tot	Tota

		ail Entered (With & Without Toilet)	H Detail with Toilet	L	Identified	UnIdentified	Total	(BPL +APL)	Total HH Identified	entered by Name in 2013-14	2014-2015 (Reported by Name)	2015-16 (Reported by Name)	2016-17 (Reported by Name)	2017-18 (Reported by Name)	accessing Community and Other Toilet	al HH Covered after BLS	l HH Covered Including BLS
1	**2**	**3**	**4**	**5**	**6**	**7**	**8=[6+7]**	**9**	**10=[9-7]**	**12**	**13**	**14**	**15**	**16**	**17**	**18=[12 + 13 + 14 + 15 + 16]**	**19=[4 + 12 + 13 + 14 + 15 + 16 + 17]**
State Name:-ODISHA							**District Name:-KALAHANDI**										
1	ASTTAGAON	1791	0	807	453	531	984	1791	1260	0	0	25	404	7	0	436	436
2	BALADIAMAL	1145	35	224	613	273	886	1110	837	0	14	42	116	0	0	172	207
3	BANKAPALAS	483	10	273	167	33	200	473	440	0	0	1	0	32	0	33	43
4	BAXITULISIPALI	1333	167	194	660	312	972	1166	854	0	13	30	393	8	0	444	611
5	BHAINRIGUDA	1929	82	988	346	513	859	1847	1334	0	0	53	234	6	0	293	375
6	BUDHIPADAR	1331	0	759	420	152	572	1331	1179	0	0	17	120	80	0	217	217
7	CHARBAHAL	1901	117	593	1166	25	1191	1784	1759	0	6	67	58	0	0	131	248
8	CHARBAHATI	1120	22	320	778	0	778	1098	1098	0	0	27	398	35	0	460	482
9	CHHURIAGAON	1481	63	513	905	0	905	1418	1418	0	0	13	476	0	0	489	552
10	CHICHEIGUDA	1652	18	441	737	456	1193	1634	1178	0	0	103	243	3	0	349	367
11	DASIGAON	1536	0	718	441	377	818	1536	1159	0	0	44	25	19	0	88	88
12	DEDARH	964	0	87	745	132	877	964	832	0	0	29	115	0	0	144	144
13	DUNDEIMAL	921	0	420	501	0	501	921	921	0	0	2	84	7	0	93	93
14	GOUDCHENDIA	1992	27	511	632	822	1454	1965	1143	0	0	11	212	0	0	223	250
15	HABASPUR	1919	135	572	901	311	1212	1784	1473	0	2	42	356	0	0	400	535
16	KALAIGAON	812	0	246	496	70	566	812	742	0	0	134	43	14	0	191	191
17	KALIAKUNDAL	1811	20	714	1077	0	1077	1791	1791	0	0	61	127	26	0	214	234
18	KALOPALA	1571	0	638	450	483	933	1571	1088	0	0	28	26	0	0	54	54
1	KENDUPAT	101	26	34	649	0	649	992	992	0	0	162	157	0	0	319	345

r. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12+13+14+15+16]	19=[4+12+13+14+15+16+17]
State Name:-ODISHA				District Name:-KALAHANDI													
9	I	8		3													
20	MAHICHAL;A	821	2	553	203	63	266	819	756	0	3	71	67	13	0	154	156
21	MALIGUDA	1204	11	617	546	30	576	1193	1163	0	0	53	56	0	0	109	120
22	MANIJORA	1392	94	599	544	155	699	1298	1143	0	0	20	844	1	0	865	959
23	MATIGAON	2055	13	63	1036	943	1979	2042	1099	0	0	32	148	0	0	180	193
24	MERIABANDHALI	439	0	166	273	0	273	439	439	0	0	29	108	0	0	137	137
25	MUNDARAGUDA	1131	22	83	942	84	1026	1109	1025	0	0	32	335	4	0	371	393
26	NAKTIGUDA	1013	107	392	338	176	514	906	730	0	1	77	264	0	0	342	449
27	NANDOL	817	0	338	278	201	479	817	616	0	0	46	328	0	0	374	374
28	PALASH	1298	72	338	753	135	888	1226	1091	0	7	95	212	0	0	314	386
29	RAJPUR	968	2	439	197	330	527	966	636	0	0	3	127	12	0	142	144
30	SANYASIKUNDAMAL	814	14	343	457	0	457	800	800	0	0	33	64	0	0	97	111
31	TALAMALA	1126	1	320	805	0	805	1125	1125	0	1	52	77	0	0	130	131
32	TALJARING	860	0	168	692	0	692	860	860	0	0	284	408	0	0	692	692
Total :-		40648	1060	13780	19201	6607	25808	39588	32981	0	47	1718	6625	267	0	8657	9717

Sr. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet					Coverage of HH (including unapproved)							
				BPL	APL		Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified							
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	BANDHAKANA	1221	24	178	1019	0	1019	1197	1197	0	0	13	59	0	0	72	96
2	BIJAMARA	3222	58	1939	1223	2	1225	3164	3162	0	0	23	124	24	0	171	229
3	BODKUTURU	1054	53	388	609	4	613	1001	997	0	0	8	62	10	0	80	133
4	DEYPUR	2973	3	1792	1162	16	1178	2970	2954	0	0	12	101	12	0	125	128
5	HERMAL	2360	0	721	1635	4	1639	2360	2356	0	0	16	28	0	0	44	44
6	KAKLAMPUR	1798	115	532	1130	21	1151	1683	1662	0	0	69	306	15	0	390	505
7	MANDIL	4538	1	1836	2500	201	2701	4537	4336	0	0	69	292	29	0	390	391
8	MINIPUR	1761	65	363	1308	25	1333	1696	1671	0	0	23	116	0	0	139	204
9	PANDIGAON	2451	24	1224	1140	63	1203	2427	2364	0	0	25	141	5	0	171	195
Total :-		21378	343	8973	11726	336	12062	21035	20699	0	0	258	1229	95	0	1582	1925

r. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet					Coverage of HH (including unapproved)							
				BPL	APL		Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified							

1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	BORAPADAR	1780	25	498	1253	4	1257	1755	1751	0	0	1041	82	0	0	1123	1148
2	GAJABAHAL	1898	85	945	663	205	868	1813	1608	0	0	130	170	0	0	300	385
3	JORADOBRA	1927	61	622	1200	44	1244	1866	1822	0	134	282	199	0	0	615	676
4	KARLAMUNDA	1790	21	355	1413	1	1414	1769	1768	0	0	629	189	0	0	818	839
5	POURKELA	1229	9	368	791	61	852	1220	1159	0	0	7	165	0	0	172	181
6	RAJPUR	1259	4	324	931	0	931	1255	1255	0	0	311	338	0	0	649	653
7	REGADA	1373	14	597	666	96	762	1359	1263	0	28	530	126	0	0	684	698
8	RINJA	1114	63	364	687	0	687	1051	1051	0	28	421	125	0	0	574	637
9	RISIDA	956	18	326	610	2	612	938	936	0	0	134	202	0	0	336	354
10	SAPLAHARA	1150	18	359	771	2	773	1132	1130	0	97	333	95	0	0	525	543
11	SARGULMALPADA	1035	0	533	460	42	502	1035	993	0	1	308	97	0	0	406	406
12	TERESINGA	1359	25	756	468	110	578	1334	1224	0	0	357	189	0	0	546	571
Total :-		16870	343	6047	9913	567	10480	16527	15960	0	288	4483	1977	0	0	6748	7091

.No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]

State Name:-ODISHA							District Name:-KALAHANDI										
1	ADHAMUNDA	510	6	334	170	0	170	504	504	0	0	14	206	0	0	220	226
2	BALSI	1661	60	506	1092	3	1095	1601	1598	0	0	198	380	19	0	597	657
3	BELAKHANDI	645	19	383	240	3	243	626	623	0	0	30	86	0	0	116	135
4	BORIA	1017	0	817	200	0	200	1017	1017	0	0	89	243	25	0	357	357
5	CHANCHER	1066	11	186	868	1	869	1055	1054	0	0	108	691	0	0	799	810
6	DEOGAON	1254	54	173	1003	24	1027	1200	1176	0	171	555	143	7	0	876	930
7	GAIAGAON	1294	15	488	760	31	791	1279	1248	0	0	653	210	0	0	863	878
8	GOKULESWAR	647	2	27	618	0	618	645	645	0	10	452	55	0	0	517	519
9	HATRIKHOJ	1120	7	545	550	18	568	1113	1095	0	0	121	133	3	0	257	264
10	KANDEL	1628	42	524	1062	0	1062	1586	1586	0	0	55	521	0	0	576	618
11	KANTESIR	1568	46	678	844	0	844	1522	1522	0	60	320	347	0	0	727	773
12	KASRUPADA	1564	11	586	967	0	967	1553	1553	0	0	90	620	28	0	738	749
13	KIKIA	697	19	141	537	0	537	678	678	0	0	76	265	32	0	373	392
14	KUNDABANDH	932	38	373	521	0	521	894	894	0	0	39	107	57	0	203	241
15	LAITARA	1221	11	723	437	50	487	1210	1160	0	0	39	418	15	0	472	483
16	NASIGAON	728	141	66	521	0	521	587	587	0	0	15	119	0	0	134	275
17	NUNMATH	790	0	325	465	0	465	790	790	0	61	13	67	0	0	141	141
18	PARALASINGA	2045	13	1353	679	0	679	2032	2032	0	0	102	471	20	0	593	606
19	PASTIKUDI	1083	48	156	879	0	879	1035	1035	0	0	24	494	0	0	518	566
20	PATHARLA	1041	0	332	709	0	709	1041	1041	0	20	103	306	7	0	436	436
21	PHATKAMAL	916	0	47	869	0	869	916	916	0	0	18	334	0	0	352	352
22	SIRJAPALI	856	0	258	594	4	598	856	852	0	0	124	183	8	0	315	315
23	SIROL	850	1	326	405	118	523	849	731	0	0	14	195	0	0	209	210
24	TUNDALA	762	28	297	431	6	437	734	728	0	0	42	78	15	0	135	163
25	TURLAKHAMAN	630	13	303	314	0	314	617	617	0	0	118	63	21	0	202	215
26	UTKELA	1842	34	678	1130	0	1130	1808	1808	0	15	112	297	0	0	424	458
Total :-		28367	619		16865	258	17123	27748	27490	0	337	3524	7032	257	0	11150	11769

r. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
					APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
				BPL	Identified	UnIdentified	Total	(BPL+ APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	AMPANI	1228	60	470	661	37	698	1168	1131	0	0	6	70	6	0	82	142
2	BADAPODAGUDA	1319	14	673	616	16	632	1305	1289	0	0	68	151	6	0	225	239
3	BARADANGA	1078	0	330	618	130	748	1078	948	0	0	46	6	16	0	68	68
4	DAHAGAON	1166	0	597	346	223	569	1166	943	0	0	21	166	0	0	187	187
5	DALGUMA	1133	27	492	518	96	614	1106	1010	0	0	82	212	0	0	294	321
6	DUDKATHENGA	1036	3	501	532	0	532	1033	1033	0	0	17	51	0	0	68	71
7	GAMBHARIGUDA	959	20	661	277	1	278	939	938	0	0	16	78	0	0	94	114
8	GOTAMUNDA	2106	7	1009	664	426	1090	2099	1673	0	0	33	290	0	0	323	330
9	KANSHIBAHAL	2205	15	2073	99	18	117	2190	2172	0	0	80	520	1	0	601	616
10	KHUNTIA	817	4	351	432	30	462	813	783	0	0	19	83	20	0	122	126
11	KOKSARA	1069	176	334	307	252	559	893	641	0	0	54	55	0	0	109	285
12	KOUDALA	686	40	254	260	132	392	646	514	0	0	16	49	0	0	65	105
13	LADUGAON	2372	228	754	1390	0	1390	2144	2144	0	0	84	152	0	0	236	464
14	MAJHIGUDA	1567	36	485	959	87	1046	1531	1444	0	0	55	26	0	0	81	117
15	MOHIMA	1270	24	508	553	185	738	1246	1061	0	0	48	66	0	0	114	138
16	MOTER	1517	44	855	438	180	618	1473	1293	0	0	23	256	0	0	279	323

r. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12+13+14+15+16]	19=[4+12+13+14+15+16+17]
State Name:-ODISHA				District Name:-KALAHANDI													
17	MUSAPALI	766	2	582	181	1	182	764	763	0	0	10	103	0	0	113	115
18	PHUPAGAON	867	1	482	320	64	384	866	802	0	0	34	174	0	0	208	209
19	RANGALIPALI	1226	103	725	321	77	398	1123	1046	0	0	69	186	0	0	255	358
20	TEMRA	1213	23	648	456	86	542	1190	1104	0	0	50	115	0	0	165	188
Total :-		25600	827	12784	9948	2041	11989	24773	22732	0	0	831	2809	49	0	3689	4516

Sr. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet					Coverage of HH (including unapproved)							
				BPL	APL			Total	HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								

1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12+13+14+15+16]	19=[4+12+13+14+15+16+17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	BANDHAPARI	1923	0	618	1299	6	1305	1923	1917	0	0	49	275	0	0	324	324
2	BATERIMA	399	0	127	258	14	272	399	385	0	2	2	196	0	0	200	200
3	BENAGAON	1324	4	642	650	28	678	1320	1292	0	0	0	62	0	0	62	66
4	BHATANGPADAR	634	0	426	208	0	208	634	634	0	0	0	9	0	0	9	9
5	BHURTIGARH	657	0	182	474	1	475	657	656	0	0	0	28	3	0	31	31
6	BIJEPUR	1069	102	531	428	8	436	967	959	0	8	21	0	0	0	29	131
7	BISWANATHPUR	1981	71	1193	711	6	717	1910	1904	0	19	155	168	3	0	345	416
8	CHAMPADEIPUR	810	0	449	361	0	361	810	810	0	25	258	430	1	0	714	714
9	CHHATRAPUR	1390	0	1099	291	0	291	1390	1390	0	0	59	474	6	0	539	539
10	GOBARDHANPUR	1161	38	652	471	0	471	1123	1123	0	0	55	631	0	0	686	724

r. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12+13+14+15+16]	19=[4+12+13+14+15+16+17]
State Name:-ODISHA								District Name:-KALAHANDI									
11	GUNDRI	597	11	382	204	0	204	586	586	0	0	1	55	2	0	58	69
12	KAMARADA	1169	0	413	714	42	756	1169	1127	0	0	80	461	0	0	541	541
13	KANKUTRU	850	0	819	31	0	31	850	850	0	0	2	2	0	0	4	4
14	LAKHABAHALI	1017	324	413	272	8	280	693	685	0	62	86	20	4	0	172	496
15	LANJI	1353	236	780	241	96	337	1117	1021	0	33	40	41	0	0	114	350
16	LANJIGARH	2407	4	1492	833	78	911	2403	2325	0	1	9	99	17	0	126	130
17	LANJIGARH ROAD	1573	267	340	844	122	966	1306	1184	0	20	565	152	0	0	737	1004
18	MALIJUBANGA	585	0	176	389	20	409	585	565	0	0	21	0	0	0	21	21
19	PANDAPADAR	724	0	641	82	1	83	724	723	0	0	0	1	0	0	1	1
20	POKHARIBANDH	784	0	518	226	40	266	784	744	0	0	8	375	30	0	413	413

r. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA				District Name:-KALAHANDI													
21	TRILOCHANPUR	340	0	287	38	15	53	340	325	0	0	0	0	8	0	8	8
Total :-		22747	1057	12180	9025	485	9510	21690	21205	0	170	1411	3479	74	0	5134	6191

Sr. No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								

1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	ALATARA	1037	61	525	292	159	451	976	817	0	2	56	238	1	0	297	358
2	BAMAK	1040	32	447	561	0	561	1008	1008	0	31	198	170	0	0	399	431
3	BARABANDHA	1703	0	1516	167	20	187	1703	1683	0	0	21	140	0	0	161	161
4	DAMKARLAKHUNTA	1058	1	717	301	39	340	1057	1018	0	0	83	110	20	0	213	214
5	GOCHHANDENGAON	1737	0	1115	596	26	622	1737	1711	0	0	64	268	33	0	365	365
6	M.RAMPUR	3652	235	1967	1449	1	1450	3417	3416	0	10	191	306	3	0	510	745
7	MADANPUR	1071	27	437	605	2	607	1044	1042	0	31	98	195	29	0	353	380
8	MANIKERA	1060	0	1022	38	0	38	1060	1060	0	0	47	50	0	0	97	97
9	MOHANGIRI	3090	81	2926	83	0	83	3009	3009	0	24	37	215	0	0	276	357
10	MUDING	945	1	448	490	6	496	944	938	0	56	234	189	0	0	479	480
11	NUNPUR	1238	21	700	330	187	517	1217	1030	0	0	147	148	0	0	295	316
12	PANDAKAMAL	1438	19	783	576	60	636	1419	1359	0	54	215	198	0	0	467	486
13	SADEPALI	632	62	375	178	17	195	570	553	0	0	76	181	8	0	265	327
14	SAIDALANGA	1145	38	543	429	135	564	1107	972	0	0	160	200	0	0	360	398
15	URLADANO	1412	0	971	411	30	441	1412	1382	0	0	64	172	0	0	236	236
Total :-		22258	578	14492	6506	682	7188	21680	20998	0	208	1691	2780	94	0	4773	5351

Sr. No	GP Name	Total Detail Entered	Total HH	Detail entered for no. of Households not having toilet			Coverage of HH (including unapproved)						
				BPL	APL	Total	HH's	In	In	In	In	Tot	Tot

o.		ed (With & Without Toilet)	H Detail with Toilet	L	Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified	entered by Name in 2013-14	2014-2015 (Reported by Name)	2015-16 (Reported by Name)	2016-17 (Reported by Name)	2017-18 (Reported by Name)	accessing Community and Other Toilet	al HH Covered after BLS	al HH Covered Including BLS
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12+13+14+15+16]	19=[4+12+13+14+15+16+17]
State Name:-ODISHA							District Name:-KALAHANDI										
1	BAD-DHARPUR	993	18	420	555	0	555	975	975	0	11	18	251	0	0	280	298
2	BAGPUR	530	0	319	211	0	211	530	530	0	0	6	33	0	0	39	39
3	BALISINGA	1331	0	496	511	324	835	1331	1007	0	0	7	152	110	0	269	269
4	BHANPUR	1018	70	554	372	22	394	948	926	0	0	18	98	0	0	116	186
5	BHIMKELA	773	0	575	155	43	198	773	730	0	16	70	272	4	0	362	362
6	GADEBANDHA	1121	29	500	521	71	592	1092	1021	0	0	149	417	0	0	566	595
7	GHANTAMALA	1036	2	585	449	0	449	1034	1034	0	0	57	136	25	0	218	220
8	GHODABANDHA	756	72	390	275	19	294	684	665	0	0	33	91	0	0	124	196
9	GIGINA	1631	5	950	616	60	676	1626	1566	0	0	100	179	14	0	293	298
10	KARMEGAON	982	0	503	479	0	479	982	982	0	0	67	285	51	0	403	403
11	KURMEL	853	153	341	339	20	359	700	680	0	0	3	258	19	0	280	433
12	MANDEL	1027	4	558	395	70	465	1023	953	0	0	29	312	11	0	352	356
13	MUSKUTI	1411	0	440	970	1	971	1411	1410	0	0	28	336	16	0	380	380
14	NARLA	1761	137	871	749	4	753	1624	1620	0	8	33	179	20	0	240	377
15	NISANGPUR	1096	6	602	488	0	488	1090	1090	0	0	50	573	0	0	623	629
16	PALAN	1218	25	700	364	129	493	1193	1064	0	0	131	139	0	0	270	295
17	RASKI	1014	0	619	313	82	395	1014	932	0	9	142	147	0	0	298	298
18	RUPRA	1173	84	793	237	59	296	1089	1030	0	0	70	256	34	0	360	444
1	RUPRA	1739	20	770	704	65	769	1539	1474	0	0	54	455	3	0	512	712

r.No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
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					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								
1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA								District Name:-KALAHANDI									
9	ROAD		0														
20	SANTPUR	933	17	509	407	0	407	916	916	0	0	123	218	16	0	357	374
21	SARGIGUDA	1676	141	602	874	59	933	1535	1476	0	7	132	678	24	0	841	982
22	SARIA	939	3	349	586	1	587	936	935	0	0	171	160	0	0	331	334
23	SERGARH	1967	0	1660	307	0	307	1967	1967	0	0	107	171	82	0	360	360
24	TAKARLA	1053	27	771	196	59	255	1026	967	0	0	66	185	16	0	267	294
25	TULAPADA	700	0	486	196	18	214	700	682	0	0	12	118	14	0	144	144
26	ULIKUPA	869	4	320	545	0	545	865	865	0	18	373	76	0	0	467	471
Total :-		29600	997	15683	11814	1106	12920	28603	27497	0	69	2049	6175	459	0	8752	9749

r.No.	GP Name	Total Detail Entered (With & Without Toilet)	Total HH Detail with Toilet	Detail entered for no. of Households not having toilet						Coverage of HH (including unapproved)							
				BPL	APL			Total		HH entered by Name in 2013-14	In 2014-2015 (Reported by Name)	In 2015-16 (Reported by Name)	In 2016-17 (Reported by Name)	In 2017-18 (Reported by Name)	HH's accessing Community and Other Toilet	Total HH Covered after BLS	Total HH Covered Including BLS
					Identified	UnIdentified	Total	(BPL+APL)	Total HH Identified								

1	2	3	4	5	6	7	8=[6+7]	9	10=[9-7]	12	13	14	15	16	17	18=[12 + 13 + 14 + 15 + 16]	19=[4 + 12 + 13 + 14 + 15 + 16 + 17]
State Name:-ODISHA							**District Name:-KALAHANDI**										
1	ADRI	723	213	388	117	5	122	510	505	0	0	39	131	0	0	170	383
2	BADHATRANG	1343	39	1025	279	0	279	1304	1304	0	0	99	273	0	0	372	411
3	DUMERPADAR	1552	0	974	541	37	578	1552	1515	0	0	86	323	0	0	409	409
4	GOPALPUR	1310	257	775	230	48	278	1053	1005	0	74	48	112	15	0	249	506
5	GOPINATHPUR	778	264	319	154	41	195	514	473	0	0	10	74	0	0	84	348
6	GUNPUR	1283	624	377	182	100	282	659	559	0	34	32	28	0	0	94	718
7	KANIGUAMA	1592	798	413	361	20	381	794	774	0	60	54	0	0	0	114	912
8	KARLAPAT	1297	48	861	336	52	388	1249	1197	0	15	0	100	9	0	124	172
9	KERPAI	1257	315	517	410	15	425	942	927	0	0	0	43	0	0	43	358
10	MAHULPATNA	1097	4	786	306	1	307	1093	1092	0	0	9	106	0	0	115	119
11	MALIGAON	533	43	276	181	33	214	490	457	0	0	57	0	0	0	57	100
12	NAKRUNDI	744	237	329	176	2	178	507	505	0	0	0	58	0	0	58	295
13	PADEPADAR	767	0	414	353	0	353	767	767	0	0	19	67	0	0	86	86
14	SINDHIPADAR	926	176	544	200	6	206	750	744	0	22	0	181	0	0	203	379
15	TALNAGI	452	0	267	185	0	185	452	452	0	0	52	26	0	0	78	78
16	TH.RAMPUR	1956	187	1099	661	9	670	1769	1760	0	133	60	211	0	0	404	591
Total :-		17610	3205	9364	4672	369	5041	14405	14036	0	338	565	1733	24	0	2660	5865

1.31. ICDS/Anganwadi:

Sl No	Name of the Block/Project	Total No. of Anganwadi Centre	No. of AWC having own pucca building	No. of Enrolled Childen	No of Severely Malnourished Children Referred during the year	No. of Pregnant Lactating Mother.
1	Bhawanipatna (R)	256	155	20794	45	3547
2	Bhawanipatna(U)	73	43	6317	4	1127
3	Dharmagarh	194	139	17136	47	2969
4	Golamunda	170	118	16936	25	2934
5	Jaipatna	160	112	13965	41	2740
6	Junagarh	234	179	22919	33	3454
7	Kalampur	69	53	6160	50	1147
8	Karlamunda	75	58	5045	5	864
9	Kesinga	195	131	13288	11	2275
10	Kokasara	157	142	13001	18	2422
11	Lanjigarh	213	149	13120	18	2423
12	M.Rampur	143	78	9024	3	1599
13	Narla	145	119	11815	22	2184
14	TH.Rampur	174	132	11408	29	2148
	Total	**2258**	**1608**	**180928**	**351**	**31833**

1.32 CDMO (Major Health Indicator)

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

5.2 Structural Measures:

Sl. No.	Name of the Department/ Office	Activity/ Project	Starting date	Date of completion	Cost	Funding source
1	Nil	Nil	Nil	Nil	Nil	Nil

5.3 Non-structural Measures:

Sl. No.	Name of the Department/ Office	Activity/ Project	Starting date	Date of completion	Cost	Funding source
1	Health & FW, Odiaha	Training on Heat Wave, Water Borne Diseases, Jaundice, Avian Influenza	Seasonal & as per need	1 Day	Variable	NHM

5.4 Scope for integrating different schemes for Disaster Risk Reduction (DRR) Activities.

Sl. No.	Scheme	Possible activities for DRR
1	Nil	Nil

9.1 Standard Operating Procedure : Restoration & Rehabilitation **(The list is Indicative & may be extended further as per need & requirement)**

Name of the Department	Normal Time
CDMO	• Carry out Disease surveillance measures to check epidemic prone diseases. • Disinfection of drinking water & measures for health & hygiene. • Rehabilitation of deprived & destitute. • Carry out Trauma & Psycho-social counselling. • Minimum Initial Service Package to be carried out. • Control of Out Breaks in post flood situation. • Emergency Health care for accidental injury.

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	Any Other
1	Borda	Kalahandi District : 40	Kalahandi District: 180	98	96	
2	Dharmagarh			94	96	
3	Golamunda			79	100	

4	Jaipatna			82	94	
5	Junagarh			80	98	
6	Kalampur			95	97	
7	Karlamunda			98	100	
8	Kesinga (Pastikudi)			98	102	
9	Koksara			98	89	
10	Lanjigarh			67	94	
11	M. Rampur			78	88	
12	Narla			94	88	
13	Th. Rampur			55	92	
	District Average			**89**	**95**	

1.34- 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	146321	14
2	Jaundice	435	0
3	Pneumonia	2735	142
4	Diarrhoea	15576	38
5	TB	7949	418

- Health Infrastructure:

Sl. No.	Block	No. of Health Sub Centers	No. of PHCs	No. of CHCs	No. of Homeopathic/ Ayurevedic Hospitals	No. of Sub Divisional Hospitals	No. of District / Private Hospitals	No. of MHUs/ MHT	No. of Ambulances	Blood Banks
1	Borda (Bhawanipatna)	26	5	1	0	0	1	MHU-1 MHT-2	Govt-4, 108-4, 102-2	1
2	Dharmagarh	20	4	1	0	1	0	MHU-1 MHT-2	Govt-2, 108-2, 102-2	1
3	Golamunda	20	4	1	0	0	0	MHU-1 MHT-2	Govt-1, 108-1, 102-1	
4	Jaipatna	22	4	1	0	0	0	MHU-1 MHT-2	Govt-1, 108-1, 102-1	
5	Junagarh	25	5	2	0	0	0	MHU-1 MHT-2	Govt-1, 108-1, 102-1	Blood Storage Unit-1
6	Kalampur	9	1	1	0	0	0	MHU-1 MHT-2	Govt-0, 108-1, 102-1	

7	Karlamunda	10	3	1	0	0	0	MHU -1 MHT -2	Govt-0, 108-1, 102-1	
8	Kesinga (Pastikudi)	17	3	2	0	0	0	MHU -1 MHT -2	Govt-1, 108-2, 102-2	Blood Storage Unit-1
9	Koksara	19	3	1	0	0	0	MHU -1 MHT -2	Govt-1, 108-2, 102-1	
10	Lanjigarh	24	3	2	0	0	0	MHU -2 MHT -2	Govt-0, 108-1, 102-2	
11	M. Rampur	12	4	1	0	0	0	MHU -1 MHT -2	Govt-1, 108-2, 102-1	
12	Narla	19	4	1	0	0	0	MHU -0 MHT -2	Govt-0, 108-2, 102-1	
13	Th. Rampur	18	2	1	0	0	0	MHU -1 MHT -3	Govt-1, 108-1, 102-1	
	Total	**241**	**45**	**16**	**0**	**1**	**1**	**MHU -13 MHT -27**	**Govt-13, 108-21, 102-17**	**Blood Bank-2, Storage Unit-2**

2.3- Human Resource Availability:

Sl. No.	Block	No. of Doctors	No. of Paramedical Staffs	No. of ANMs (Out of Other Para Medical Staff)	No. ASHAs	Others
1	Borda (Bhawanipatna)	40	187	56	Borda-197, Urban-74	
2	Dharmagarh	18	75	33	177	
3	Golamunda	6	64	30	144	
4	Jaipatna	5	58	32	140	
5	Junagarh	9	89	36	195	
6	Kalampur	5	27	37	68	
7	Karlamunda	6	39	31	55	
8	Kesinga (Pastikudi)	12	74	31	154	
9	Koksara	8	55	26	130	
10	Lanjigarh	7	74	41	168	
11	M. Rampur	7	56	27	99	
12	Narla	8	67	35	135	
13	Th. Rampur	3	55	32	185	
Total		**133**	**920**	**447**	**1921**	

Table No. 3.3 : List of **Hospitals/ Health Centers** Exposed to Cyclone:

Sl. No.	Name & Location of the Hospital/ Health Center	Gram Panchayat Name	Block Name
1	Nil	Nil	Nil

Table No. 3.9 : 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	Nil	Nil	Nil	Nil

Table No. 3.12: List of **Hospitals/ Health Centers** Exposed to Land Slide:

Sl. No.	Name & Location of the Hospital/ Health Center	Land Slide Zone/ Area/ Location	Block Name
1	Nil	Nil	Nil

Table No. 3. 14 : Hospitals adjacent to Major Industrial Establishment/ Chemical Storage Points.

Sl. No.	Name & Location of the Industry/ Factory/ Chemical Storage Points	Name and location of the Hospital/ Health Center	Gram Panchayat	Block
1	Vedanta, Lanjigarh	Vedanta Hospital (Corp.)	Lanjigarh	Lanjigarh
		Lanjigarh CHC	Lanjigarh	Lanjigarh

1.35 Rural Credit:

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
Kalahandi		45673.33	57328.34	34228.12	23768	2102	213.45	-	-
Percentage		**45.38**	**38.25**	**23.15**	**1.46**	**0.35**	**0.05**	-	-

1.35 Inclusion of different Social Security Schemes:

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	Bhawanipatna	24322	25523	NA	29262	NA	NA	1976	NA
2	Dharmagarh	43256	43456	NA	22530	NA	NA	0	NA
3	Kesinga	23411	18277	12590	17847	NA	NA	1763	NA
4	Karlamunda	45765	31739	NA	6874	NA	NA	0	NA
5	M. Rampur	23123	24719	NA	13323	NA	NA	0	NA
6	Golamunda	17654	31001	NA	25754	9823	NA	0	NA
7	Jaipatna	24212	24267	NA	12634	NA	NA	2132	NA
8	Lanjigarh	32322	24217	NA	10965	NA	NA	0	NA
9	Th. Rampur	38726	12311	NA	20591	12303	NA	1265	3400(6 GPLF)
10	Junagarh	39124	36423	30817	24681	NA	NA	0	NA
11	Koksara	23991	26470	NA	35153	14577	NA	0	NA
12	Kalampur	32252	32951	NA	25825	NA	NA	0	NA
13	Narla	34522	32188	NA	17497	NA	NA	0	NA
Total			402680	43407	262936	**36703**	**NA**	**3397**	**3400**

1.36- Food Security (Public Distribution System): NFSM

Sl. No	Block/ ULB	No. of PHH Ration card	No. of AAY Ration card	Toatal No. of PHH + AAY Ration card	No of benifiaries covered under NFSA			Consumption in qtls.			No. of PDS outlets in the Blocks/ ULBs (FPS)		
					PHH	AAY	Total	AAY Rice	PHH Wheat	PHH Rice	FPS dealing With only rice & Wheat	FPS dealing With only rice / Wheat / Sk Oil	FPS dealing With only Sk Oil
1	Bhawanipatna	39880	4486	44366	145466	16362	161828	1569.75	556.54	6724.2	33	23	63
2	Bhawanipatna Municipality	9183	569	9752	32212	2013	34225	199.15	288.73	1319.4	11	4	28
3	Dharamgarh	29500	4788	34288	105081	17248	122329	1675.8	176.09	5078.3	21	21	28
4	Golamunda	28113	5452	33565	97208	19151	116359	1907.5	153.15	4697.1	31	31	15
5	Jaipatna	26759	3687	30446	94994	13249	108243	1290.1	146.18	4599.2	18	0	79
6	Junagarh	33329	4886	38215	121137	17445	138582	1734.25	208.25	5837.9	32	32	0
7	Junagarh NAC	2670	400	3070	9000	1135	10135	138.95	19.96	425.34	1	1	0
8	Kalampur	12072	2191	14263	42206	7685	49891	766.85	82.67	2027.6	9	9	11
9	Karlamunda	12127	1750	13877	41360	5744	47104	615.65	203.21	1884.6	12	0	14
10	Kesinga	21436	4750	26186	77296	16645	93941	1669.85	407.62	3460.2	26	19	16
11	Kesinga NAC	2623	189	2812	9117	474	9591	66.15	43.41	412.19	2	1	4
12	Koksora	24664	4154	28818	85116	14230	99346	1456.35	49.62	4234.9	20	0	28
13	Lanjigarh	17577	4474	22051	66230	18100	84330	1561.35	85.69	3187.6	21	20	12
14	M.Rampur	16066	3320	19386	57124	12196	69320	1162.35	226.5	2628.5	15	3	7
15	Narla	24183	4750	28933	85135	15427	100562	1666.35	352.33	3900.1	26	3	36
16	Th-Rampur	15509	4250	19759	58948	15627	74575	1487.5	8.09	2939.3	16	16	13
Total		**315691**	**54096**	**369787**	**1127630**	**192731**	**1320361**	**18967.9**	**3008.04**	**53356**	**294**	**183**	**354**

1.36.1Social Security:

Sl. No.	Block	No. of Persons covered under Old Age Pension Schemes		No. of Persons Covered under Widow Pension	No. of Persons covered under Disability Pension	
		Male	Female	Female	Male	Female
1	Bhawanipatna	2842	2781	2203	83	82
2	Kesinga	2322	1651	1506	101	97
3	Karlamunda	1173	847	771	45	37
4	M.Rampur	1940	955	1350	150	113
5	Narla	2429	1896	1778	154	148
6	Lanjigarh	1717	1850	1618	200	143
7	Th.Rampur	1140	1784	1655	98	95
8	Junagarh	3423	2259	2251	139	108
9	Dharamgarh	2157	2336	1785	142	113
10	Kalampur	1636	675	730	26	22
11	Koksara	2624	1803	1750	82	70
12	Jaipatna	2073	2541	1734	122	109
13	Golamunda	2544	2243	1869	136	105
	Total	**28020**	**23621**	**21000**	**1478**	**1242**

1.36.2Community/ 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	Bhawanipatna	1162	13300	311	285	13220	0	0	NA	200	0	378
2	Kesinga	941	11201	222	212	2231	0	0	NA	150	0	343
3	Karlamunda	405	4214	105	83	956	0	0	NA	50	0	141
4	M.Rampur	552	5898	180	158	1918	0	0	NA	50	0	3
5	Narla	827	8878	196	54	914	0	0	NA	220	0	6
6	Lanjigarh	885	9523	268	95	1480	0	0	NA	50	0	271
7	Th.Rampur	929	10217	65	79	948	0	0	NA	40	0	140

8	Junagarh	877	9786	216	89	678	65	2100	NA	160	0	223
9	Dharamgarh	643	7244	229	54	948	0	0	NA	50	0	319
10	Kalampur	555	5920	77	87	844	0	0	NA	200	0	390
11	Koksara	1014	10888	217	56	1444	0	0	NA	50	0	664
12	Jaipatna	902	10097	155	45	740	0	0	NA	150	0	535
13	Golamunda	776	8359	163	37	668	0	0	NA	40	0	245
	Total	**10468**	**115525**	**2404**	1334	26989	**65**	**2100**	NA	0	0	3667

Transport and Communication:

1.37- Road Connectivity and Transport:

Sl. No.	Distrct	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
1	Kalahandi	310	310	2249	1349	309	Govt Bus-02 Pvt. Bus-02

N.B. 1 (One) GP namely Dedsuli of M. Rampur is not connected for want of motorable road.

1.38- Road Network:

Categories	**Total KM**
National High way	206.86
State High Way	215
Major Dist. Road	266
Other Dist Road	46

Forest Road	308
GP Roads	9955
Classified Village Road	0
P.S road	517
Village Road	1061

Sl. No.	District	N.H. (Length in Km.)	State Highways (Length in Km.)	District Roads(Length in Km.)	Rural Roads(Length in Km.)	GP/ PS Roads(Length in Km.)	Forest Roads (Length in Km.)	Other Roads
1	Kalahandi	184	215	266	1061	9955/517	308	46
	Total=	184	215	266	1061	9955/517	308	46

Sl. No	Block	Name of the Road	State Highways/MDR/ODR)	(Length in Km)
1	M.Rampur	ChhatigudaNarla Rampur Road	SH-6A	38.5
2	Bh.Patna /Th Rampur	Bhawanipatna-Gunupur-Kasipur Road	SH-44	55.5
3	Bh.Patna	Bhawanipatna-Khariar Road	SH-16	37.905
4	Bh.Patna /Lanjigarh	BhawanipatnaRayagada Road	SH-6	37.0
5	Koksara/Dharmagarh	Ampani- Dharmagarh Road	SH	41.328
6	Dharmagarh/Golamunda	Dharmagarh- Golamunda road	SH	28.000
				168.905
1	Kalampur/Junagarh	Junagarh-Dasigaon-Kalampur Road	MDR-117	32.190
2	Junagarh/Jaipatna	Charbahal-Chilakpur Road	MDR-120	12.875
3	Koksara/Jaipatna	Moter-Jaipatna Road	MDR-99	29.000
4	Kalampur-Th.Rampur	Kalampur-Th.Rampur Road-via-Sinagarighati	MDR-114	17.300
5	M.Rampur	Tundla-karlamunda	MDR-115	13.800
6	M.Rampur	Pajibahal-Mohangiri	MDR-119	19.700
7	M.Rampur/Narla	Narla-Rupra-Palam	MDR-116	33.330
8	Th Rampur	Th Rampur- Kashipur	MDR-112	13.155
9	Bh Patna	MadingPastikudiDeypur	MDR-118	18.900
				190.250

1	Bh Patna Junagarh	Mading-Singhjharan (BadiliChhak) Road	ODR	27.200
2	Rampur Karlamunda	Rampur RisidaKarlamunda	ODR	32.800
3	Bh Patna	Link Road (Purnapada ODR) 0/0 Km to 1/150 Km	ODR	1.150
4	Bh Patna	IB Approach Road 0/0 Km to 0/340 Km	ODR	0.340
5	Bh Patna	Temple Road 0/0 Km to 1/515 Km	ODR	1.515
6	Bh Patna Narla	DadpurRupra Road	ODR	20.000
7	Lanjigarh	Pokharibandha-Lanjigarh road	ODR	20.900
				103.905
1	Junagarh	Hati bridge to Attigaon-via-Bandakutra-S.Kundamal Road	ODR (New)	27.000
2	KalampurJaipatna	PondigaonChhak to Mukhiguda	ODR (New)	27.000
3	KoksaraJaipatna	Moter to Banner via-Ladugaon	ODR (New)	32.000
4	Junagarh Dharmagarh	Jaring to Brundabahal via-Nandol	ODR (New)	31.350
5		Rensapali Chowk to Gundri via Badchergaon	ODR(NEW)	26.00
6	KesingaGolamunda	Khajuripada-Turkel via Kikia	ODR(NEW)	14.00
7	Bh Patna Biswanathpur	TerenaamGhati to Bijepur via MusanaluptoKalyansinghpur Boarder	ODR(NEW)	52.00
8	M Rampur	Palam-Belkhandi	ODR(NEW)	12.00
9	Golamunda	Golamunda to Borda via Kegaon	ODR(NEW)	52.00
10	Lanjigarh	Lanjigarh to Bijepur	ODR(NEW)	17.00
11	JaipatnaKoksara	Mahajangud-LadugaonRoad	ODR(NEW)	6.00
12	KoksaraDharmagarh	Koksara to Behera via Dhangaon	ODR(NEW)	15.00
13	Th Rampur	Gunupur to Th Rampur	ODR(NEW)	28.85
14	NarlaLanjigarh	JampadartoSikerkupa	ODR(NEW)	38.50
15	NarlaLanjigarh	Narla to Bhurtigarh via Kadamguda from 0/0 to 12/0 Km	ODR(NEW)	12.00
16		Udesrung to Khursud via Mahaling	ODR(NEW)	22.00
17	KalampurJaipatna	Kalmpur- PandigaonChhak to Mukhiguda	ODR(NEW)	27.00
18	Th Rampur	Th Rampur to Badchhatrang via Mahulpatna	ODR(NEW)	20.10
19	Dharmagarh Junagarh	Dharmagarh to Charbahal	ODR(NEW)	18.00

20	M Rampur	Mohangiri to Kandhamal district Border	ODR(NEW)	5.00
21	KesingaNarla	Kesinga to Rupra	ODR(NEW)	18.00
22	KesingaNarla	Narla-Rupra-Palam PWD road to Joradobra	ODR(NEW)	10.00
23	KesingaNarla	Joradobra to karlamunda	ODR(NEW)	20.00
24	Narla M. Rampur	Risida to Tusra via Gajbahal	ODR(NEW)	5.00
25	KesingaNarla	Balipadar To Rupra	ODR(NEW)	8.00
				543.800

1.39- Railway Network:

- Total Length: 38.476 KM (Broad gauge)

Sl. No.	Single Line (length in Km.)	Double Line (length in Km.)	Total No. of Railway Stations in the district
1	NA	NA	NA

1.40- Telecommunication and Internet Connectivity:

Sl. No.	Block	No. of fixedLand line	No. of PCOs	No. of Mobile Users	No. ofBroadbandconnections
1	2	3	4	5	6

1Bhawanipatna	401	NA	46464	102
2Dharmagarh	1260	NA	43144	88
3Golamunda	201	NA	38378	78
4Jayapatna	1350	NA	34534	77
5Junagarh	444	NA	48840	65
6Kalampur	360	NA	16202	35
7Karlamunda	77	NA	17701	48
8Kesinga	302	NA	34201	50
9Koksara	170	NA	32230	70
10Lanjigarh	225	NA	24243	45
11M.Rampur	1160	NA	22401	52
12Narla	917	NA	33818	70
13Th.Rampur.	95	NA	20201	32
URBAN				
1Bhawanipatna(M)	2415	NA	27517	417
2Junagarh(N.A.C.)	406	NA	4644	201
3Kesinga(N.A.C.)	817	NA	4321	197

Sl. No.	Name of the District	No. of GP Offices having Phone and Internet Connectivity	Total No. of Mobile phone Towers	No. of villages covered by wireless mobile network	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-SevaKendras
1	Kalahandi	29	78 BSNL Towers +12 LWE Towers	Radially 3 Km. From the Towers	NA	NA	NA	NA	165

1.41 No. of E-SevaKendras (Common Service Centre) in Details

GP	VLE NAME	VLE ID	CSC ADDRESS	CONTACT NOS	SCA	OMT ID
BHAWANIPATNA	BHAWANIPATNA	KABITA AGRAWAL	2115013500000008	AT/PO/PS-BHAWANIPATNA	7894726251	SAHAJ
BHAWANIPATNA	BHAWANIPATNA	SAROJ KUMAR SAHU	2115669185455483	AT-OSRTC COMPLEX A/3 GP/BLOCK-BHAWANIPATNA DIST-KALAHANDI	9437224430	SAHAJ
BHAWANIPATNA	BHAWANIPATNA	SARITAPATTNAIK	2115102937578719	AT-COLLEGE CHHAK , PO-BHAWANIPATNA , DIST-KALAHANDI – 766001	9439780801	SAHAJ
BHAWANIPATNA	BHAWANIPATNA	SUDHANSU SEKHAR PRADHAN	SM3004201619352102043	At-Naktiguda Po-BhawanipatnaDist-Kalahandi Block- Bhawanipatna Pin - 766001	8763287165	SAHAJ
BHAWANIPATNA	BORBHATA	BIBEKA RANJAN SINGH	2115010300000002	AT/PO-BORBHATA,PS-BHAWANIPATNA,DIST-KALAHANDI	9668483180	SAHAJ
BHAWANIPATNA	CHHELIAMAL	SANJIBJOYOTISH	2115010707000001	AT/PO-CHHELIAMAL, VIA-UTKELA, BHAWANIPATNA DIST-KALAHANDI	9668751570	SAHAJ
BHAWANIPATNA	DUARSUNI	ROHINI KANTACHALAN	2115011000000001	AT/PO/GP- DUARSUNI BLOCK-BHAWANIPATNA DIST-KALAHANDI	9437294448	SAHAJ
BHAWANIPATNA	GURUJUNG	DOLANANDA BEHERA	2115337186238718	GURUJUNG	9.669E+09	SAHAJ
BHAWANIPATNA	KARLAPDA	REKHASINI SAHU	2115011800000002	AT-KARLAPDA,BLOCK-BHAWANIPATNA,DIST-KALAHANDI	9556555245	SAHAJ
BHAWANIPATNA	KENDUPATI	DULAMANI MAJHI	2115012000000002	AT/PO- KENDUPATI, PS-KEGAON, DIST- KALAHANDI	9556514243	SAHAJ
BHAWANIPATNA	KULIAMAL	NIMAI CHARANGOUD	2115012100000001	AT- LOHARAKUNI GP-KULIAMAL,DIST-KALAHANDI	9938207743	SAHAJ
BHAWANIPATNA	RISHIGAON	BIKASH BAG	2115012900000002	AT/PO- RISHIGAON, BHAWANIPATNA, KALAHANDI	7504448934	SAHAJ
BHAWANIPATNA	SEINPUR	TAPAS KUMAR PRADHAN	2115013100000002	AT-SEINPUR,PO- SALEBHATA, PS-BHAWANIPATNA,DIST-KALAHANDI	8658855635	SAHAJ
BHAWANIPATNA	ARTALA	PITABASHADANGURI	2115010100000001	AT/PO-ARTAL,DIST-KALAHANDI	9556126678	SAHAJ
BHAWANIPATNA	BHAWANIPATNA	GHASIRAMRAUL	2115013500000003	RAMSAGAR COMPLEX,AT-IRIGATION COLONY,PO-BHWANIPATNA,DIST-KALAHANDI-766001	9437224506	SAHAJ
BHAWANIPATNA	BHAWANIPATNA	KANHEIYATHAKUR	2115013500000004	201 NH,NEAR PRADESIPARA, AT/PO-BHAWANIPATNA,DIST-KALAHANDI	9438726090	SAHAJ
BHAWANIPATNA	BHAWANIPATNA	MONALISAPADHY	2115013500000007	AT/PO-BHAWANIPATNA,DIST-KALAHANDI	9937251334	SAHAJ
BHAWANIPATNA	BHAWANIPATNA	PANKAJKUMARMAHARANA	2115013500000001	JAGANNATH MANDIR LINE,BHABANIPATNA,DIST-KALAHANDI	9583850115, 9437294115	SAHAJ
BHAWANIPATNA	BHAWANIPATNA	PRAFULLAKUMARROWLO	2115013500000005	AT/PO-BHAWANIPATNA,NEAR BUS STAND,DIST-KALAHANDI	9437224379	SAHAJ
BHAWANIPATNA	BHAWANIPATNA	PRASANAKUMARMAHARANA	2115013500000002	AT-MANDAR BAGICHA,PO-BHAWANIPATNA,DIST-KALAHANDI-766001	9438220970	SAHAJ
BHAWANIPA	BORABHATA	INDUBHUSANBAG	2115010300000001	AT/PO-BORBHATA,DIST-KALAHANDI	9437924035	SAHA

TNA						J
BHAWANIPATNA	BORDA	SHAKTIRANJANBHOI	2115010400000001	AT/PO-BORDA,BLOCK-BHAWANIPATNA,DIST-KALAHANDI-766036	9777605706	SAHAJ
BHAWANIPATNA	CHAHAGAON	YASHOBANTAPOD	2115010500000001	AT/PO-CHAHAGAON,SUB-SIVISION-BHAWANIPATNA,DIST-KALAHANDI	9437410873	SAHAJ
BHAWANIPATNA	CHANCHER	SATYENCHOUDHURY	2115010600000001	GP-CHANCHER,POKHARIGHAT,PO-DUARSUNI,DIST-KALAHNDI	9437733137	SAHAJ
BHAWANIPATNA	DUMURIA	SUSILKUMARPADHAN	2115011100000001	AT/PO-DUMURIA,DIST-KALAHANDI	9938541472	SAHAJ
BHAWANIPATNA	GUDIALIPADAR	RAJANIKANTAMUNI	2115011300000001	AT/PO-GUDIALIPADAR,DIST-KALAHANDI	9439030450	SAHAJ
BHAWANIPATNA	KALAM	SATYANARAYANMAJHI	2115011600000001	AT/PO-KALAM,DIST-KALAHANDI	9937766524	SAHAJ
BHAWANIPATNA	KAMATHANA	HEMANTAKUMARRANA	2115011700003257	AT-BHANGABARI,PO-UDITNARAYANPUR,VIA-BHAWANIPATNA,DIST-KALAHANDI	9777763943	SAHAJ
BHAWANIPATNA	KARLAGUDA	KAILASHCHANDRASAHU	2115011900000001	AT/PO-KARLAGUDA,DIST-KALAHANDI	9178640197	SAHAJ
BHAWANIPATNA	KENDUPATI	SASHIBHUSANMAJHI	2115012000000001	AT/PO-KENDUPATI,DIST-KALAHANDI	9178800212	SAHAJ
BHAWANIPATNA	KUTUKHAMAR	JAGAMOHANMAJHI	2115012200000001	AT/PO-KUTRUKHAMAR,DIST-KALAHANDI	9658460778	SAHAJ
BHAWANIPATNA	MADIGUDA	TAPOBANTAJOSHI	2115012300000001	AT/PO-MADIGUDA,BLOCK-BHAWANIPATNA,DIST-KALAHANDI-766036	9937653660	SAHAJ
BHAWANIPATNA	MALGAON	AMITKUMARNAYAK	2115012400000001	AT/MALGAON,PO-RISIGAON,SUB-DIVISION-BHAWANIPATNA,DIST-KALAHANDI	9937846990	SAHAJ
BHAWANIPATNA	MATIA	JAGADISHPRASADSAHU	2115012500000001	AT/PO-MATIA,DIST-KALAHANDI	9437735711	SAHAJ
BHAWANIPATNA	MEDINIPUR	PRADYUMNAKUMARPARIJA	2115012600000001	AT/PO-PARMANDAPUR,GP-MEDINIPUR,BLOCK-BHAWANIPATNA,DIST-KALAHANDI	9438281914	SAHAJ
BHAWANIPATNA	MEDINIPUR	SAMEERKUMARMISHRA	2115012600000002	VILL-JAGANNATHPUR,PO-MEDINIPUR,BLOCK-BHAWANIPATNA,DIST-KALAHANDI	9178993302	SAHAJ
BHAWANIPATNA	PALNA	JUGALKISHOREMAJHI	2115012700000001	AT/PO-PALNA,DIST-KALAHANDI	9556106889, 9437409698	SAHAJ
BHAWANIPATNA	PALSIJHARAN	ADITYAKUMARBUDDHIA	2115012800000001	AT/PO-PALSIJHARAN,DIST-KALAHANDI	9777715516, 9937247582	SAHAJ
BHAWANIPATNA	SENPUR	GUPTESWARSAHOO	2115013100000001	AT-SAPSILAT,PO-SALEBHATA,DIST-KALAHANDI	9437700441	SAHAJ
BHAWANIPATNA	THUAPADAR	BIJAYAKUMARNAIK	2115013300000002	AT/PO-THUA PADAR,DIST-KALAHANDI	9583474589	SAHAJ
BHAWANIPATNA	UDEYPUR	SABITAPATTNAIK	2115013400000001	AT-BIJEPUR,PO-GUDIALIPADAR,GP-UDEYPUR,DIST-KALAHANDI	9777796040	SAHAJ
DHARAMAGARH	BEHERA	CHANDRA RANA	2115505180684190	AT/PO-BEHERA,VIA-PARLA,PS-KOKSARA	9938113525	SAHAJ
DHAR	BODEN	CHANDRAMANIPADHI	21150202	AT-RAKHABAHAL,PO-	9937433	SA

AMAG ARH			00000002	BADAFURLA,VIA-DHARAMGARH,DIST-KALAHANDI	110	HA J
DHAR AMAG ARH	BODEN	DHIRENDRAKUMARNAIK	21150202 00000001	AT-BAGAD,GP-BODEN,BLOCK-DHARMAGARH,DIST-KALAHANDI	9861676 365	SA HA J
DHAR AMAG ARH	BRAHM ANCHH ENDIA	DIBYARANJANMUND	21150203 00000002	AT/PO-BR.CHHENDIA,DIST-KALAHANDI	9439576 261	SA HA J
DHAR AMAG ARH	BRAHM ANCHH ENDIA	DUSMANTAKUMARMUND	21150203 00000001	AT/PO-BR.CHENDIA,DIST-KALAHANDI	9937536 507	SA HA J
DHAR AMAG ARH	CHANC HANBA HALI	JESHANTNAG	21150204 00000001	AT/PO-CHHANCHANBAHALI,DIST-KALAHANDI	9938410 246	SA HA J
DHAR AMAG ARH	CHHILI PA	RITURANJANPATTJOSHI	21150205 00000001	AT/PO-CHHILIPA,DIST-KALAHANDI	9937353 595	SA HA J
DHAR AMAG ARH	DHARM AGAD	SUSANTAKUMARSAHU	21150207 00003256	AT/PO-DHARMAGARH(TIN CHOWK),DIST-KALAHANDI-766015	9437725 878	SA HA J
DHAR AMAG ARH	DHARM AGARH	SANJAYKUMARSARAF	21150207 00003257	AT-/PO- DHARAMGARH, KALAHANDI	9938806 822	SA HA J
DHAR AMAG ARH	DUMER GUDA	SAMIRRANJANPATTJOSHI	21150208 00000002	AT-MUKHIGUDA,PO-DUMERGUDA,DIST-KALAHANDI	9668244 336	SA HA J
DHAR AMAG ARH	DUMER GUDA	SANJIBKUMARDASH	21150208 00000001	AT/PO-DUMERGUDA,DIST-KALAHANDI	9861965 405	SA HA J
DHAR AMAG ARH	JAYAN TAPUR	ROHITKUMARPANDA	21150210 00000001	AT/PO-JAYANTAPUR,VIA-PARLA, DIST-KALAHANDI	9861167 011	SA HA J
DHAR AMAG ARH	KANAG AON	MANOJKUMARNAIK	21150211 00000001	AT/PO-KANAGAON,DIST-KALAHNDI	9777956 882, 9556203 236	SA HA J
DHAR AMAG ARH	KHAIRP ADAR	RANJANRASHMI PATRA	21150213 00000001	AT/PO/GP- KHAIRPADAR BLOCK-DHARMAGAD DIST- KALAHANDI	8658208 433	SA HA J
DHAR AMAG ARH	NANDA GAON	NANDAGAON SERVICE COOPERATIVE SOCIETY LIMITED	21150214 00000001	AT/PO-NANDAGAON,PS-DHARAMGARH,DIST-KALAHANDI	9853540 494	SA HA J
DHAR AMAG ARH	PARLA	PARLA SERVICE COOPERATIVE SOCIETY LIMITED	21150215 00000002	AT/PO-PARLA,PS-DHARAMGARH,DIST- KALAHANDI	9937572 858	SA HA J
DHAR AMAG ARH	PARLA	RAMESHCHANDRAGOPAL	21150215 00000001	AT/PO-PARLA,DIST-KALAHANDI	9938432 568	SA HA J
DHAR AMAG ARH	TAMBA CHHAD A	UMESH CHANDRA HANS	21150217 07000001	AT-TARANJA,GP-TAMBACHHADA,BLOCK-DARAMGARH,DIST-KALAHANDI	9556687 700	SA HA J
DHAR AMAG ARH	TARAP UR	AMITKUMARAGRAWAL	21150218 00000001	AT/PO-TARAPUR,VIA-DHARMGARH,DIST-KALAHANDI	9937279 217	SA HA J
DHAR AMAG ARH	TIPIGU DA	RAJESHMANGARAJ	21150220 00000001	AT/PO-TIPIGUDA,DIST-KALAHANDI	9777974 823	SA HA J
GOLA MUND A	BADA CHERA GAON	DEBENDRA BAG	2115338 0723556 84	AT/GP-BADACHERAGAN,BLOCK-GOLAMUNDA,DIST-KALAHANDI	9178824 789	SA H AJ
GOLA MUND A	BORAG UDA	MALAYASAHU	21150302 00000001	AT/PO-BORGUDA,DIST-KALAHANDI	9938545 776	SA HA J
GOLA MUND A	BUNDA BAHAL	SATYANARAYANAMEHER	21150303 00000001	AT. LIMSER, PO. BRUNDABAHAL	9.7778E+ 10	SA HA J
GOLA MUND A	CHAHA KA	SANJAYAKUMARSAHU	21150304 00000001	AT/PO-CHAHAKA,DIST-KALAHANDI	9938089 121	SA HA J

GOLAMUNDA	CHICHIA	PRADIPKUMARMISHRA	2115030600000001	AT/PO-CHICHIA,DIST-KALAHANDI	9437566341	SAHAJ
GOLAMUNDA	DASAPUR	BISHNUPRASADRAUT	2115030700000001	AT/PO-DASPUR,DIST-KALAHANDI	9658236283	SAHAJ
GOLAMUNDA	DASPUR	DASPUR SERVICE COOPERATIVE SOCIETY LIMITED	2115030700000003	AT/PO-DASPUR,PS-GOLAMUNDA,DIST-KALAHANDI	9938444347	SAHAJ
GOLAMUNDA	DHAMANPUR	SIBAPRASADKANPAN	2115030800000001	AT/PO-DHAMANPUR,DIST-KALAHANDI	9938215561	SAHAJ
GOLAMUNDA	FARANG	JAGESWARBHOI	2115030900000001	AT/PO-FARANG,SUB-DIVISION-DHARAMGARH,BLOCK-GOLAMUNDA,DIST-KALAHANDI-766029	9778944218	SAHAJ
GOLAMUNDA	FUNDA	MIHIRKUMARSAHU	2115031000000001	AT/PO-FUNDA,DIST-KALAHANDI	9778823302	SAHAJ
GOLAMUNDA	GANDAMER	ROHITAKUMARNAIK	2115031100000001	AT/PO-GANDAMER,BLOCK-GOLAMUNDA,DIST-KALAHANDI-766015	9668369166	SAHAJ
GOLAMUNDA	GOLAMUNDA	GOLAMUNDA SERVICE COOPERATIVE SOCIETY LIMITED	2115031200000002	AT/PO-GOLAMUNDA,PS-DHARAMGARH,DIST-KALAHANDI	8457066838	SAHAJ
GOLAMUNDA	GOLAMUNDA	PRIYADARSHINEEELORIKA	2115031200000001	INFRONT OF POLICE STATION,AT/PO-GOLAMUNDA,DIST-KALAHANDI	9776203105	SAHAJ
GOLAMUNDA	KEYGAON	DEBENDRAPUTEL	2115031300000001	VILL-KEGAON,PO-KEGAON,BLOCK-GOLAMUNDA,DIST-KALAHANDI-766036	9938777451 , 9439200000	SAHAJ
GOLAMUNDA	KHALIAKANI	RAMESHKUMARROUT	2115031400000001	AT/PO-KHALIAKANI,DIST-KALAHANDI	9556202844	SAHAJ
GOLAMUNDA	KHALIAPALI	SUBASHCHANDRABHOI	2115031500000001	AT-BADAJORE,PO-KHALIAPALI,VIA-BORDA,DIST-KALAHANDI-766036	9777416455	SAHAJ
GOLAMUNDA	KHAMAR	KUMUDACHANDRAJOSHI	2115031600000001	AT/PO-SOSIA,GP-KHAMARHALDI,DIST-KALAHANDI	9937482035	SAHAJ
GOLAMUNDA	KUHURA	SUSHANTAKUMARSAHU	2115031700000001	VILL-KANTAMAL,PO-KUHURA,BLOCK-GOLAMUNDA,DIST-KALAHANDI-766036	9938080224	SAHAJ
GOLAMUNDA	MAHALINGA	RANAJITKUMARSAHU	2115031800000002	AT/PO-MAHALING,BLOCK-GOLAMUNDA,DIST-KALAHANDI-766036	9938693645	SAHAJ
GOLAMUNDA	MAHALINGA	SANJEEVKUMARSAHU	2115031800000001	AT/PO-MAHALING,BLCOK-GOLAMUNDA,DIST-KALAHANDI-766036	9938289603	SAHAJ
GOLAMUNDA	MANJHARI	SRIBANTAKUMARSAHU	2115031900000001	AT-TUMURA,PO-MANAJHARI,DIST-KALAHANDI	9937406705	SAHAJ
GOLAMUNDA	NAKTIKANI	BALMATTANDI	2115032000000001	AT/PO-NAKTIKANI,DIST-KALAHANDI	9668719043	SAHAJ
GOLAMUNDA	NUAGAON	DUSMANTAKUMARBHOI	2115032100000001	VILL-NUAGAON,PO-SANCHARGAON,BLOCK-GOLAMUNDA,DIST-KALAHANDI-766036	9439146320	SAHAJ
GOLAMUNDA	RENGSAPALI	SIDHANTAPADHAN	2115032200000001	AT/PO-RENGSAPALI,VIA-SOSIA,DIST-KALAHANDI	9778944118	SAHAJ
GOLAMUNDA	RENGSAPALI	SUSANTAKUMARMUND	2115032200000002	AT/PO-RENGSAPALI,DIST-KALAHANDI	9437154014	SAHAJ
GOLAMUNDA	UCHHALA	NARESH BAG	2115615446930615	AT-UCHHALA,PS-KEGAON,KALAHANDI	8457963660	SAHAJ

JAYAPATNA	BADAKARLAKOT	RUPESHKUMARSINGH	2115040300000001	AT-NUAGAON,PO-AREBEDA,DIST-KALAHANDI	9937410983	SAHAJ
JAYAPATNA	BANDIGAON	ADITYAKUMARPANDA	2115040400000001	AT-GUNGUNIA,PO-BANDIGAON,VIA-JAIPATNA,DIST-KALAHANDI	9438428364	SAHAJ
JAYAPATNA	BANDIGAON	DEEPAKRANJANMUND	2115040400000003	AT-BHEJIGUDA,PO-BANDIGAON,VIA-CHARBAHAL,DIST-KALAHANDI	9437939082	SAHAJ
JAYAPATNA	BANDIGAON	SOMADATTAPANDA	2115040400000002	VILL-GUNGUNIA,PO-BANDIGAON,BLOCK-JAIPATNA,DIST-KALAHANDI-766017	9437033785	SAHAJ
JAYAPATNA	BANER	NIROJRANJANKHAMARI	2115040500000001	AT/PO-BANER,DIST-KALAHANDI	9937626257	SAHAJ
JAYAPATNA	BHAINRIPALI	DHANESWARROUT	2115040600003259	AT/PO-BHAINRIPALI,VIA-JAIPATNA,DIST-KALAHANDI	9583187856	SAHAJ
JAYAPATNA	BHAINRIPALI	LAXMIKANTANAIK	2115040600003258	AT-BHAINIRIPALI,VIA-JAIPATNA,DIST-KALAHANDI-766018	9438228799	SAHAJ
JAYAPATNA	DHANSULI	RASMIRANJANSAHU	2115040700000001	AT/PO-DHANSULI,DIST-KALAHANDI	9777645303, 9938510886	SAHAJ
JAYAPATNA	JAIPATNA	JAIPATNA SERVICE COOPERATIVE SOCIETY LIMITED	2115040900000004	AT/PO-JAIPATNA,PS-JAIPATNA,DIST-KALAHANDI	7894468280	SAHAJ
JAYAPATNA	JAYAPATNA	SANTOSHKUMARRATHA	2115040900000002	AT/PO-JAIPATNA,DIST-KALAHANDI	9437459356	SAHAJ
JAYAPATNA	MUKHIGUDA	TAFIKMOHAMMED	2115041200000001	AT/PO-MUKHIGUDA,DIST-KALAHANDI-766018	9937739187	SAHAJ
JAYAPATNA	PAIKAKENDUMUNDI	MAHENDRAKUMARPANDA	2115041300000001	AT-SRIMAA XEROX,MAIN ROAD,VILL-JAIPATNA,DIST-KALAHANDI	9437154324, 9937200000	SAHAJ
JAYAPATNA	PRATAPPUR	BHUBANESWARNAG	2115041400000001	AT/PO-PRATAPPUR,DIST-KALAHANDI	8018176261, 9938261718	SAHAJ
JAYAPATNA	RANAMAL	KUNJABIHARIBAG	2115041500000002	AT/PO-RANMAL,CHARBAHAL,DIST-KALAHANDI	9777487202	SAHAJ
JAYAPATNA	RANAMAL	SANJEETKUMARPANDA	2115041500000003	AT/PO-RANMAL,DIST-KALAHANDI	9853954515	SAHAJ
JAYAPATNA	RANMAL	RANMAL SERVICE COOPERATIVE SOCIETY LIMITED	2115041500000004	AT/PO-RANMAL,PS-JAIPATNA,DIST-KALAHANDI	7894468277	SAHAJ
JAYAPATNA	RENGALPALI	KEDARNATHDAS	2115041600000001	AT/PO-RENGALPALI,DIST-KALAHANDI	9556308562	SAHAJ
JAYAPATNA	UCHHALA	SUBRATAKUAMRSWAIN	2115041800000001	AT/PO-UCHHALA,BLOCK-JAIPATNA,DIST-KALAHANDI	9438380080	SAHAJ
JUNAGARH	ATIGAON	SANTOSHKUMARKARADA	2115050100000001	AT/PO-ATIGAON,BLOCK-JUNAGARH,DIST-KALAHANDI-76604	9938091311	SAHAJ
JUNAGARH	BALDIAMAL	GAJENDRAKUMARPANDA	2115050200000001	AT/PO-BALDIAMAL,BLOCK-JUNAGARH,DIST-KALAHANDI-766023	9437092373	SAHAJ
JUNAGARH	BANIJARA	JAGANNATHPRASADPRAHARAJ	2115053400000001	AT/PO-BANIJARA,DIST-KALAHANDI	9937773133	SAHAJ
JUNAGARH	BANKAPALAS	ANSHUMANJOSHI	2115050300000001	AT/PO-BANKPALAS,DIST-KALAHANDI	9777489217	SAHAJ

JUNAGARH	BIDHIDAR	HEMANTAJOSHI	2115053300000001	AT/PO-BUDIDARA,DIST-KALAHANDI	9938302899	SAHAJ
JUNAGARH	CHARBAHAL	CHARBAHAL SERVICE CO-OPERATIVE SOCIETY LTD	2115050700000002	AT/PO-CHARBAHAL,PS-JUNAGARH,DIST-KALAHANDI	9438405204	SAHAJ
JUNAGARH	CHARBAHAL	GANESHKUMARPANDA	2115050700000001	AT/PO-CHARBAHAL(near bus stand),SBI ROAD,BLK-JUNAGARH,DIST-KALAHANDI-766017	9938432739	SAHAJ
JUNAGARH	CHARBHATI	PRABIRESH PANDA	2115220793906797	AT-CHARBHATI,GP-CHARBHATI,BLOCK-JUNAGARH,DIST-KALAHANDI,PIN-766023	9938328750	SAHAJ
JUNAGARH	CHICHAIGUDA	NABIN CHANDRAMEHER	2115051000000002	AT/PO/GP- CHICHAIGUDA BLOCK-JUNAGARH DIST- KALAHANDI	9776042260	SAHAJ
JUNAGARH	CHICHEIGUDA	SUBENDU KUMAR MEHER	2115051000000001	AT/PO-CHICHAIGUDA,BLOCK-DHARAMGARH/JUNAGARH,DIST-KALAHANDI	9583587686	SAHAJ
JUNAGARH	DASIGAON	DASIGAON SERVICE CO-OPERATIVE SOCIETIES LIMITED	2115051100000002	AT/PO-DASIGAON,PS-JUNAGARH,DIST-KALAHANDI	7894467548	SAHAJ
JUNAGARH	DEDARH	RAMANI RANJANPANDA	2115051200000002	VILL- SORISHAMAL, GP- DEDARH, BLOCK- JUNAGARH, DIST-KALAHANDI	9658731285	SAHAJ
JUNAGARH	DUNDELMAL	TRIBHUBANAPANDA	2115051300000001	AT/PO-DUNDELMAL,DIST-KALAHANDI	9437092501	SAHAJ
JUNAGARH	GOUDACHHENDIA	SANTOSINIBEHERA	2115051400000001	AT-GAUDACHHENDIA,DIST-KALAHANDI	9437600649	SAHAJ
JUNAGARH	HABASPUR	SARASITACHAND	2115051500000002	AT/PO-HABASPUR,DIST-KALAHANDI	9938475565	SAHAJ
JUNAGARH	JUNAGARH	JASOBANTANARAYANBEHERA	2115013600000001	AT/PO-JUNAGARH,NEW BUS STAND,DIST-KALAHANDI,ORISSA-766014	9437328671	SAHAJ
JUNAGARH	JUNAGARH	JUNAGARH FARMERS SERVICE CO-OPERATIVE SICIETIES LIMITED	2115013600000004	AT/PO-BHAINRIGUDA,PS-JUNAGARH,DIST-KALAHANDI	9437922989	SAHAJ
JUNAGARH	JUNAGARH	NARENDRAKUMARPANDA	2115013600000003	LAXMISAGAR PARA,VILL/GP/BLOCK-JUNAGARH,DIST-KALAHANDI	9438205599	SAHAJ
JUNAGARH	JUNAGARH	SUNILKUMARSINGH	2115013600000002	AT-JUNAGARH,(NAC),BLOCK-JUNAGARH,DIST-KALAHANDI	9437122507	SAHAJ
JUNAGARH	JUNAGARH	SURYA NARAYAN PANDA	2115053500000001	AT/PO- JUNAGARH, KALAHANDI	9658731285	SAHAJ
JUNAGARH	KALEIGAON	SUSHANTA KUMARPADHI	2115051600000001	AT- KULIHARI MAIN ROAD , GP-KALEIGAON, KALAHANDI	9938189068	SAHAJ
JUNAGARH	KALOPALA	AJITKUMARSINGH	2115051800000002	AT/PO-KALAOPALA,DIST-KALHANDI	9937707140	SAHAJ
JUNAGARH	KALOPALA	HIRALALMANGARAJ	2115051800000001	AT/PO-KALAOPALA,DIST-KALAHANDI	9556306758	SAHAJ
JUNAGARH	MAHICHALA	UMAKANTABEMAL	2115052000000001	AT/PO-MAHICHALA,BLOCK-JUNAGARH,DIST-KALAHANDI	9178017632	SAHAJ
JUNAGARH	MATIGAON	SANANTANADANDASENA	2115052300000001	AT/PO-KOLIGAON,DIST-KALAHANDI	9937520788	SAHAJ
JUNAGARH	MUNDARAGUDA	TAPASKUMARBEHERA	2115052500000001	AT-CHIKALPADAR,PO-MUNDRAGUADA,DIST-KALAHANDI	9178355636	SAHAJ
JUNAGARH	NAKTIGUDA	MANOJ KUMAR AGRAWAL	`211505150700000001	NAKTIGUDA	9178015157	SAHAJ

JUNAGARH	NANDOL	BAIKUNTHABIHARINAG	2115052700000001	AT/PO-NANDOL,DIST-KALAHANDI	9853222338	SAHAJ
JUNAGARH	PALAS	AMIYAKUMARPANDA	2115052800000001	VILL-MATHURA,PO-MATHURA, BLOCK--DHARMGARH,DIST-KALAHANDI	9438138077	SAHAJ
JUNAGARH	RAJPURA	HIMANSHUSHEKHARPATRA	2115052900000001	AT/PO-RAJPUR,DIST-KALAHANDI	9178960967	SAHAJ
JUNAGARH	RAJPURA	SUMANTAKUMARPUROHIT	2115052900000002	AT/PO-RAJPUR,DIST-KALAHANDI	9437354503	SAHAJ
JUNAGARH	SANYASI	SUBHRANJALIPANDA	2115053000000001	AT-GHOLIJOBA,PO-SANYASI KUNDAMAL,DIST-KALAHANDI	9438090842	SAHAJ
JUNAGARH	TALA JARING	ASHOKKUMARPATTNAIK	2115053200000001	AT-CHANDRAMANI NIKETAN,PO-NANDOL,VILL-GHANTBAHALI,DIST-KALAHANDI-	9938823833	SAHAJ
JUNAGARH	TALAMALA	BIBHUTIBHUSANSAHU	2115053100000001	AT/PO-TALAMALA,SUB-DIVISION-DHARAMGARH,BLOCK-JUNAGARH,DIST-KALAHANDI	9937787497	SAHAJ
KALAMPUR	BADAKUTU	MAMATANAIK	2115060300000001	AT/PO-BADAKUTRU,VIA-JAIPATNA,DIST-KALAHANDI	9937217633	SAHAJ
KALAMPUR	BANDHAKANA	NIRANJANPADHI	2115060100003259	AT/PO-BANDHAKANA,VIA-KALAMPUR,DIST-KALAHANDI	9777487199	SAHAJ
KALAMPUR	BIJAMARA	SUDHANSUSEKHARNAIK	2115060200000001	AT/PO-BIJMARA(KUTRU CHHACK),DIST-KALAHANDI	9778482290	SAHAJ
KALAMPUR	BIJAMARA	TUSHARKANTABEHERA	2115060200000002	AT/PO-BIJAMARA,DIST-KALAHANDI	9778653558	SAHAJ
KALAMPUR	DEYPORE	AMBARISHCHANDRAMUND	2115060400000002	AT/PO-DEYPUR,DIST-KALAHANDI	9937036870	SAHAJ
KALAMPUR	DEYPORE	DUSMANTAKUMARPANDA	2115060400000001	AT/PO-DEYPUR,DIST-KALAHANDI	9938899534	SAHAJ
KALAMPUR	HERAMAL	DINESHKUMARPANDA	2115060500000001	AT-HARAMAL,PO-PARVAGUDA,DIST-KALAHANDI,PIN-766013	9777740926	SAHAJ
KALAMPUR	KALAMPUR	BHAGIRATHIMUND	2115060600000002	AT/PO-KALAMPUR,DIST-KALAHANDI	9178470426	SAHAJ
KALAMPUR	MANDAL	AVIMANYUMUND	2115060700000001	AT-KOTAGAON,PO-MANDAL,VIA-KALAMPUR,DIST-KALAHANDI	9938629844	SAHAJ
KALAMPUR	MANDAL	GYANRANJANPANDA	2115060700000002	AT/PO-MANDAL,BLOCK-KALAMPUR,DIST-KALAHANDI-766013	9938329171	SAHAJ
KALAMPUR	MINAGURU	JAYANTINAIK	2115060800003260	AT-BHELGAON,PO-MINGUR,VIA-KALAMPUR,DIST KALAHANDI	9438380512	SAHAJ
KALAMPUR	PANDIGAON	ELINAPATI	2115060900000001	AT/PO-PANDIGAON,DIST-KALAHANDI	9438378878	SAHAJ
KARLAMUNDA	BORPADAR	AKSHAYAKUMARSAHU	2115070100000001	AT/PO-BORPADAR,DIST-KALAHANDI	9439422688	SAHAJ
KARLAMUNDA	GAJABAHAL	DINGARABHOI	2115070200000001	AT/PO-GAJABAHAL,DIST-KALAHANDI	9437405824	SAHAJ
KARLAMUNDA	JORADOBRA	MANOJ KUMARSAHU	2115070300000002	AT-JORADOBRA,KARLAMUNDA,DIST-KALAHANDI	9938260037	SAHAJ
KARLAMUNDA	KARLAMUNDA	SANTOSH KUMAR MISHRA	2115070400000002	AT/PO- KARLAMUNDA, PS- M. RAMPUR, DIST- KALAHANDI	7894447023	SAHAJ
KARLAMUND	POURKELA	RAMESHCHANDRAHATI	2115070500000001	AT/PO-KUNDEIPALI,DIST-KALAHANDI	7894658655	SAHA

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KARLAMUNDA	RAJPURA	MAYADHARBHOI	2115070600000001	AT/PO-RAJPUR,DIST-KALAHANDI	9178813257 , 9937152119	SAHAJ
KARLAMUNDA	REGEDA	SUBASHCHANDRACHOUDHURY	2115070700000001	AT/PO-REGEDA,DIST-KALAHANDI	9178888719	SAHAJ
KARLAMUNDA	RINJA	JITENDRAKUMARSAHU	2115070400000001	VILL-RINJA,PO-RINJA,BLOCK-KARALAMUNDA,DIST-KALAHANDI-766031	9658698998	SAHAJ
KARLAMUNDA	RISHIDA	BHAJASHYAMSAHU	2115070900000001	NEAR POLICE STATION,AT/PO-RISHIDA,DIST-KALAHANDI	9937274236	SAHAJ
KARLAMUNDA	RISIDA	SOUMYA RANJAN TRIPATHY	2115070900000002	AT/PO/GP-RISIDA BLOCK-KARLAMUNDA DIST-KALAHANDI	9937718149	SAHAJ
KARLAMUNDA	SAPALAHARI	DAITARIRANA	2115071000000001	AT-SAPALAHARA,DIST-KALAHANDI	9668044227	SAHAJ
KARLAMUNDA	TERESINGHA	SAROJKUMARBIHARI	2115071200000002	AT- JHARODA, PO- SADANGI, DIST-DHENKALNAL	9937248649	SAHAJ
KESINGA	TUNDLA	TUNDLA SERVICE CO-OPERATIVE SOCIETY LIMITED	2115082400000002	AT/PO-TUNDLA,PS-KESINGA,DIST-KALAHANDI	7894468274	SAHAJ
KESINGA	UTKELA	UTKELA SERVICE CO-OPERATIVE SOCIETY LIMITED	2115082600000002	AT/PO-UTKELA,PS-KESINGA,DIST-KALAHANDI	9937216218	SAHAJ
KESINGA	ADHUMUNDA	RANJITPADHAN	2115080100003253	AT/PO-ADHAMUNDA,DIST-KALAHANDI	9556263883	SAHAJ
KESINGA	BALSI	BANSIPANISAHA	2115080200000001	AT/PO-KESINGA, NEAR CINEMA HALL,DIST-KALAHANDI-766012	9777198596	SAHAJ
KESINGA	BALSI	MOHANLALSAHU	2115080200000002	AT-RENGALI,VIA-KESINGA,DIST-KALAHANDI-766012	9776360984	SAHAJ
KESINGA	BELAKHANDI	BIBHUTIBHUSANVANJA	2115082200003253	AT/PO-BELKHANDI(MAIN CHOWK),VIA/PS-KESINGA,DIST-KALAHANDI	9853206451	SAHAJ
KESINGA	BORIA	JAYANTAKUMARBAGARTY	2115080400000001	AT/PO-BORIA,DIST-KALAHANDI	9937972893	SAHAJ
KESINGA	DEOGAON	RAMESHCHANDRASAHU	2115080600000001	VILL-MATIA,PO-UTKELA,BLOCK-KESINGA,DIST-KALAHANDI-766011	9692392250	SAHAJ
KESINGA	FATAKAMAL	DILLIPKUMARMEHER	2115013300000001	AT-PHATKAMAL,DIST-KALAHANDI	9937074527	SAHAJ
KESINGA	GAIGAON	SURESWARSAHU	2115080700000001	AT-GAIGAON,PO-CHANCHER,DIST-KALAHANDI	9777285734	SAHAJ
KESINGA	GOKULESWAR	TUSARKUMARSINGH	2115080800000001	AT-JUJURANG,PO-GOKULESWR,DIST-KALAHANDI-766011	9938188126	SAHAJ
KESINGA	HATIKHOJ	BHUPENDRABHOI	2115080900000001	AT/PO-HATIKHOJ,BLOCK-KESINGA,DIST-KALAHANDI	9658669668, 9853567594	SAHAJ
KESINGA	KANDEL	DHANAPATIGOUD	2115081000000001	AT/PO-KANDEL,DIST-KALAHANDI	9777892457	SAHAJ
KESINGA	KANDEL	TIKERAMGOUD	2115081000000002	AT/PO-KANDEL,DIST-KALAHANDI	9583703195	SAHAJ
KESINGA	KANTESIRA	BHODEVSAHU	2115081100000001	AT/PO-KESINGA, BOLANGIR CHOWK	9938367926	SAHAJ
KESIN	KASUP	SOMOBARUPADHAN	21150812	AT/PO-KASHRUPA,VIA-	9937771	SA

GA	ADA		00000002	KESINGA,DIST-KALAHANDI	018, 9853346 451	HA J
KESIN GA	KESING A	BENUDHARPADHI	21150137 00000001	INFRONT OF BLOCK OFFICE,KESINGA-766012	9437362 248	SA HA J
KESIN GA	KIKIA	ARATIBARIK	21150813 00000001	VILL-KIKIA,PO-KIKIA,BLOCK-KESINGA,DIST-KALAHANDI-766011	9438426 011	SA HA J
KESIN GA	KUNDA BANDH A	BALARAMKARA	21150814 00000001	AT/PO-KUNDABANDH,BLOCK-KESINGA,DIST-KALAHANDI-766011	9938414 321	SA HA J
KESIN GA	LAITAR A	MUKESHKUMARPODH	21150815 00000001	AT/PO-LAITARA,DIST-KALAHANDI	9938573 467	SA HA J
KESIN GA	NASIGA N	UPENDRAKUMARSAHU	21150816 00000001	AT/PO-NASIGAON,DIST-KALAHANDI	9861670 940	SA HA J
KESIN GA	PARALS INGA	JUBARAJNAIK	21150818 00000001	AT/PO-PARLASINGA,DIST-KALAHANDI	9937917 241	SA HA J
KESIN GA	PASTIK UDI	TRILOCHANKUMBHAR	21150819 00000001	AT/PO-PASTIKUDI,DIST-KALAHANDI	9668334 588	SA HA J
KESIN GA	PATHA RLA	UPENDRAPUTEL	21150820 00000001	VILL-PATHARLA,PO-PATHARLA,BLOCK-KESINGA,DIST-KALAHANDI-766012	9937043 826	SA HA J
KESIN GA	SIRJAP ALI	DHARMENDRAPADHAN	21150822 00003254	VILL-SIRJAPALI,PO-SIRJAPALI,BLOCK-KESINGA,DIST-KALAHANDI-766012	9668725 929	SA HA J
KESIN GA	SIROL	NIRANJANBAG	21150823 00000001	AT/PO-SIROL,BLOCK-KESINGA,DIST-KALAHANDI-766012	9938261 610	SA HA J
KESIN GA	TUNDL A	ASHISKUMARTANDI	21150824 00000001	AT/PO-TUNDALA,VIA-KESINGA,DIST-KALAHANDI-766012	9937653 738, 9778600 000	SA HA J
KESIN GA	TURLA KHAMA N	PINKUSAHU	21150825 00000001	AT/PO-TURLAKHAMAN,DIST-KALAHANDI	9438381 727	SA HA J
KESIN GA	URKEL A	DHIRENDRAKUMARSAHU	21150826 00000001	VILL-UTKELA,BLOCK-KESINGA,DIST-KALAHANDI-766011	9778766 967	SA HA J
KOKAS ARA	AMAPA NI	KNRUPATIMAHAPATRA	21150901 00003257	AT/PO-AMAPANI,DIST-KALAHANDI-766028	9937074 543	SA HA J
KOKAS ARA	BADAP ODAGU DA	KRISHNACHANDRAKAND	21150902 00000001	AT-RAINGUDA,PO-BAPUDAGUDA,VIA-AMAPAND,DIST-KALAHANDI	9938607 701	SA HA J
KOKAS ARA	DUDUK ATHEN GA	MADHUMITAPADHI	21150906 00000001	AT/PO-DUDUKATHENGA,VIA-AMPANI,DIST-KALAHANDI-766019	9937273 709	SA HA J
KOKAS ARA	GAMBH ARIGU DA	RAMESHKUMARSAHU	21150907 00000001	AT/PO-CHIKILI,SUB-DIVISION-DHARAMGARH,BLOCK-KOKSARA,DIST-KALAHANDI	9937552 257	SA HA J
KOKAS ARA	GOTAM UNDA	BALARAMMAJHI	21150908 00000001	AT/PO-GOTAMUNDA,DIST-KALAHANDI	9938616 267	SA HA J
KOKAS ARA	KASIBA HAL	JUDHISTIRBEHERA	21150909 00000002	AT/PO-KASIBAHAL,DIST-KALAHANDI	9937985 662	SA HA J
KOKAS ARA	KASIBA HAL	MONALISHABEHERA	21150909 00000001	AT/PO-KASHIBAHAL,DIST-KALAHANDI	9658813 969	SA HA J
KOKAS ARA	KOKSA RA	CHANDRA SEKHAR NAIK	21150911 00000004	AT/PO/GP-KOKSARA BLOCK-KOKSARA DIST-KALAHANDI	9777222 182	SA HA J
KOKAS ARA	KOKSA RA	KOKSARA SERVICE COOPERATIVE SOCIETY LIMITED	21150911 00000003	AT/PO-KOKSARA,PS-KOKSARA,DIST-KALAHANDI	9937625 969	SA HA J

KOKASARA	KOKSARA	AJIT KUMAR PATTANAYAK	2115091100000005	AT/PO- KOKSARA, DIST-KALHANDI	9938386106	SAHAJ
KOKASARA	KOKSARA	AIRINASHANCHINDA	2115091100000002	AT/PO-KOKSARA,DIST-KALAHANDI	9437702774	SAHAJ
KOKASARA	LADUGAON	LADUGAON SERVICE COOPERATIVE SOCIETY LIMITED	2115091300003113	AT/PO-LADUGAON,PS-KOKSARA,DIST-KALAHANDI	9777261914	SAHAJ
KOKASARA	LADUGAON	SURENDRA KUMAR JOSHI	2115091300003114	AT/PO/GP-LADUGAON BLOCK-KOKSARA DIST-KALAHANDI	9668013102	SAHAJ
KOKASARA	LADUGAON	GANESHKUMARAGRAWAL	2115091300003112	AT/PO-LADUGAON,DIST-KALAHANDI,	9438610111	SAHAJ
KOKASARA	MAHIMA	DUSMANTANAIK	2115091500000001	AT/PO-MAHIMA,NEAR COMMUNITY HALL,DIST-KALAHANDI	9178619343/9938032684	SAHAJ
KOKASARA	MOTER	JITENDRASINGHRATHORE	2115091600000001	AT/PO-MOTER,VIA-CHARBAHAL,DIST-KALAHANDI	9937279244	SAHAJ
KOKASARA	MOTER	SUJITKUMARPANDA	2115091600000002	AT-KUSUMKHUNTI,PO-DANGRIGUDA,VIA-CHARBAHAL,DIST-KALAHANDI-766017	9777327972	SAHAJ
KOKASARA	PHUPGAON	CHANDRAKISHORSABAR	2115091800000001	AT/PO-PHUPGAON,DIST-KALAHANDI	9437235147	SAHAJ
KOKASARA	TEMARA	NIHARRANJANPATRA	2115092000000001	AT/PO-TEMARA,DIST-KALAHANDI	9778811539	SAHAJ
LANJIGARH	BANDHAPARI	SUKANTAMAHARANA	2115100100000001	AT/PO-BANDHAPARI,DIST-KALAHANDI	9937555163	SAHAJ
LANJIGARH	BISWANATHPUR	ALOKKUMARDEHURI	2115100700000001	INFRONT OF BLOCK OFFICE,AT/PO-BISWANATHPUR,DIST-KALAHANDI	9438450555	SAHAJ
LANJIGARH	GOBARDHANPUR	DINGARBAG	2115101000000001	AT/PO-GOBARDHANPUR,DIST-KALAHANDI	9938463254	SAHAJ
LANJIGARH	KAMARDA	LALBAHADURPUTEL	2115101200000001	AT/PO-KAMARDA,BLOCK-LANJIGARH,DIST-KALAHANDI-766100	9937481598	SAHAJ
LANJIGARH	LANJIGADA	ANANDAKUMARAGARWAL	2115101600000001	AT/PO-LANJIGARH,DIST-KALAHANDI	9178244015	SAHAJ
LANJIGARH	LANJIGADA	EKTAUPADHYAY	2115101600000002	AT/PO-LANJIGARH,KALAHANDI	7894409131	SAHAJ
LANJIGARH	LANJIGADA	TPRABHAKARRAO	2115101700000001	AT/PO-LANJIGARH ROAD,DIST-KALAHANDI	9437428574	SAHAJ
LANJIGARH	LANJIGADA ROAD	JITUPODH	2115101700000002	VILL-KAKBHATA,PO-LANJIGARH ROAD,BLOCK-BHAWANIPATNA,DIST-KALAHANDI-766110	9861649766	SAHAJ
M.RAMPUR	BAMAK	JUBARAJMAJHI	2115110200000001	AT/PO-BAMAK,DIST-KALAHANDI	9668287573	SAHAJ
M.RAMPUR	BARBANDHA	TIKESWARSAHU	2115110300000001	AT/PO-BARABANDHA,DIST-KALAHANDI	9439572516	SAHAJ
M.RAMPUR	DAMKARLAKHUNTA	TULSIRAMSAHU	2115110400000001	AT/PO-DAMKARLAKHUNTA,DIST-KALAHANDI	9438418627	SAHAJ
M.RAMPUR	M.RAMPUR	RUPENDRA KUMARSAHU	2115297852107324	AT/PO- M. RAMPUR,DIST-KALAHANDI - 766102	9938611344	SAHAJ
M.RAMPUR	M.RAMPUR	HARSABARDHANSINGHDEO	2115110600000002	NERA TAHASIL OFFICE,AT/PO-M.RAMPUR,DIST-KALAHANDI	9938956197	SAHA

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M.RAMPUR	M.RAMPUR	WILLIAMREUBEN	2115110600000003	AT-BURAT,PO-M.RAMPUR,DIST-KALAHANDI	9437700771	SAHAJ
M.RAMPUR	MADANPUR	GHANASHYAMRANA	2115110700000001	AT/PO-MADANPUR,DIST-KALAHANDI	9938438974	SAHAJ
M.RAMPUR	MANIKERA	BIJAYKUMARPANDAR	2115110800000001	AT/PO-MANIKERA,DIST-KALAHANDI	9938610571	SAHAJ
M.RAMPUR	MOHANGIRI	JAGADISHSAHU	2115110900000002	AT/PO-MOHYANGIRI,VIA-RAMPUR,DIST-KALAHANDI	9439354918	SAHAJ
M.RAMPUR	MUDING	PABITRABAGARTY	2115111000000001	AT-DURLADANI,PO-MUDING,DIST-KALAHANDI	9178688047	SAHAJ
M.RAMPUR	NOONPUR	BASANTANAIK	2115111100000001	AT/PO-MADINGNALA,DIST-KALAHANDI	9668708184	SAHAJ
M.RAMPUR	PANDKAMAL	ARTATRANANAIK	2115111200000001	VILL-TUJUNG,PO-M.RAMPUR,DIST-KALAHANDI	9777377397	SAHAJ
M.RAMPUR	SAIDALANGA	BIKASHRANJANSAHU	2115111400000001	AT-SAIDALANGA,PO-TRUCHI,VIA-M.RAMPUR,DIST-KALAHANDI	9937807311	SAHAJ
M.RAMPUR	URLADANI	GOPALBAG	2115111500000001	AT-KURUPADAR,PO-URLADANI,DIST-KALAHANDI	9937150858	SAHAJ
NARLA	BADADHARPUR	NEPAL CHANDRA BISWAL	2115120100000001	AT/PO/GP-BADADHARPUR BLOCK-NARLA DIST- KALAHANDI	9668690916	SAHAJ
NARLA	BAGPUR	GOPALHATI	2115120200000001	AT/PO-BAGPUR,DIST-KALAHANDI	9178481763	SAHAJ
NARLA	BALSINGA	TOSAMANISAHU	2115120300000001	AT/PO-BALISINGA,DIST-KALAHANDI	9692063863	SAHAJ
NARLA	BHANPUR	PRAVATKUMARSAHU	2115120400000002	AT/PO-BHANPUR,DIST-KALAHANDI	9938260106	SAHAJ
NARLA	BHIMKELA	AKASHKUMARNAIK	2115120500000001	AT-PALASPADA,PO-BHIMKELA,BLOCK-NARLA,DIST-KALAHANDI-766601	9777651813	SAHAJ
NARLA	GADHEBAND	BHUBAN RANA	2115120600000002	AT-SANGURI,PO-SARIAN,GP-GADEBANDH,BLOCK-NARLA,DIST-KALAHANDI	9438607881	SAHAJ
NARLA	GHODABANDH	MEDINIDHARJANI	2115120800000001	AT-JODABANDH,PO-GHODABANDH,BLOCK-NARLA,DIST-KALAHANDI	9861991055	SAHAJ
NARLA	GIGINA	KAMAKSHAPRASADPADHAN	2115120900000001	AT-GIGINA,PO-GIGINA,DIST-KALAHANDI-766101	9937217473	SAHAJ
NARLA	KURMEL	TASILKUMARSAHU	2115121100000001	AT/PO-KURMEL,DIST-KALAHANDI	9937150193	SAHAJ
NARLA	MANDEL	AMARESH KUMAR PANDA	2115121200000001	AT/PO/GP- RUPRA ROAD BLOCK-NARLA DIST- KALAHANDI	9937270675	SAHAJ
NARLA	MUSKUTI	KADAMBINI SAHU	2115121300000002	AT/PO/GP- MUSKUTI BLOCK-NARLA DIST- KALAHANDI	9556698010	SAHAJ
NARLA	NARLA	ROHANKHAITAN	2115121400003246	AT-NARLA GP-NARLA DIST-KALAHANDI	9437067217	SAHAJ
NARLA	NARLA	SUBODHKUMARMISHRA	2115121400003245	NARLA,DIST-KALAHANDI-766100	9437656820	SAHAJ
NARLA	PALAM	NARENDRA SAHU	2115121600000002	AT/PO- PALAM, VIA- NARLA, DIST-KALAHANDI	8658659565	SAHAJ

NARLA	RAKSI	BIBEKANANDAPADHAN	2115121700000001	AT/PO-RAXI,DIST-KALAHANDI	9937537452	SAHAJ
NARLA	RUPRA	TIKI SAHU	2115121800003235	AT/PO/GP-RUPRA,BLOCK-NARLA,KALAHANDI	9937576524	SAHAJ
NARLA	RUPRA	JITENDRAKUMARSENAPATI	2115121800003233	AT-RUPRA,PO-RUPRA,VIA-RUPRA ROAD,DIST-KALAHANDI	9938277190	SAHAJ
NARLA	RUPRA	RAJIBASAHOO	2115121800003234	A/P. RUPRA VIA.RUPRA ROAD	9938277205	SAHAJ
NARLA	RUPRA ROAD	SUMIT KUMARSHARMA	2115121900000003	AT/PO-RUPRA ROAD,BLOCK-NARLA,DIST-KALAHANDI	9583272200	SAHAJ
NARLA	RUPRA ROAD	AMIT KUMAR SHARMA	2115121900000002	AT/PO-RUPRA ROAD,THANA-NARLA,DIST-KALAHANDI	9437657223	SAHAJ
NARLA	RUPRA ROAD	KRUSHNACHANDRASAHU	2115121900000001	AT. BARGAON, PO. RUPRA ROAD	9777188513	SAHAJ
NARLA	SANTAPUR	SHUSANTAKUMAR SAHU	2115122000000002	AT- SANCHICHING, PO SANTPUR, PS- NARLA, DIST- KALAHNDI	9439567324	SAHAJ
NARLA	SARGIGUDA	SANJAYA KUMAR SAMANTRAY	2115122100000003	AT/PO/GP-SARGIGUDA BLOCK-NARLA DIST-KALAHANDI	8895090086	SAHAJ
NARLA	SARGIGUDA	MURARIBANSAL	2115122100000001	AT/PO-SARGIGUDA,VIA-NARLA ROAD,DIST-KALAHANDI-766110	9937667418	SAHAJ
NARLA	SARIAN	HEMANTAKUMARSAHU	2115122200000001	AT-SARIAN,VIA-RUPRA ROAD,DIST-KALAHANDI-766101	9438259679	SAHAJ
NARLA	SERAGADA	BIMALCHANDRASAMAJDAR	2115122300000001	AT/PO-SERGARH,DIST-KALAHANDI	9938260085	SAHAJ
NARLA	TAKARLA	PARESHKUMARSAHU	2115122400000001	AT-MUNDAPALA,PO-TAKARLA,BLOCK-NARLA,DIST-KALAHANDI-766101	9938274158	SAHAJ
NARLA	TULAPADA	ASHUTOSHSARANGI	2115122500000001	AT-TULAPADA,DIST-KALAHANDI	9937704440	SAHAJ
NARLA	ULIKUPA	GANESWARSAHU	2115122600000001	AT-ULIKUPA,PO-NISHANPUR,DIST-KALAHANDI	9777745548	SAHAJ
THUAMUL RAMPUR	GOPALPUR	PRASANTKUMARMUNDCHHINA	2115130400000001	AT/PO-GOPALPUR,VIA-RAMPUR,DIST-KALAHANDI	9437733965	SAHAJ
THUAMUL RAMPUR	SINDHIPADAR	RAJKISHORNAIK	2115131400000001	AT-NICHEMASKA,PO-SINDHIPADAR,DIST-KALAHANDI-766037	8895091648, 9438229546	SAHAJ
THUAMUL RAMPUR	TH.RAMPUR	SUKADEVBHANJA	2115131600000001	AT/PO-TH RAMPUR,DIST-KALAHANDI	9438381383, 9777264038	SAHAJ

2. Infrastructure

2.1-Educational Infrastructure and other Facilities:

Sl. No.	Name of the Block / ULB	No. of Primary school Only	No. ME (Upper primary schools	No. of High Schools (Including Upgraded high schools having classes 1-10)	Odisha Adarsh Vidyalaya (Upper primary with Secondary and Higher Secondary)	No. of higher secondary schools (having class 1-12)	No. of teachers	Total Enrolment	PTR
1	BHAWANIPATNA	162	77	22	1		1071	28776	26.87
2	BHAWANIPATNA MPL	24	9	6			275	5847	21.26
3	DHARAMGARH	97	53	9	1		591	21509	36.39
4	DHARAMGARH NAC	9	4	2			81	2337	28.85
5	GOLAMUNDA	132	60	9	1		607	23987	39.52
6	JAIPATNA	114	50	14	1		550	18990	34.53
7	JUNAGARH	145	55	23	1		803	27660	34.45
8	JUNAGARH NAC	7	4	3			103	3068	29.79
9	KALAMPUR	70	26	6	1		285	9467	33.22
10	KARLAMUNDA	58	28	8	1		322	9094	28.24
11	KESINGA	107	35	15	1		571	19385	33.95
12	KESINGA NAC	9	2	2			63	1996	31.68
13	KOKSARA	98	58	11	1		512	20057	39.17
14	LANJIGARH	161	49	20	1		622	20461	32.9
15	M.RAMPUR	114	51	11	1		503	13967	27.77
16	NARLA	149	52	14	1		662	20341	30.73
17	TH RAMPUR	114	51	17	1	1	482	15694	32.56
	DISTRICT	**1570**	**664**	**192**	**13**	**1**	**8103**	**262636**	**31.88**

2.2- Banks and Post Offices:

Sl. No.	Block	Banks				No. of ATMs	Post Offices
		Commercial Banks	RRBs	Cooperative Banks	Other Banks		
1	Bhawanipatna	3	3	1	3		29
2	Dharmagarh	4	4	3	3		29
3	Golamunda	3	3	0	3		18
4	Jaipatna	1	4	1	1		17
5	Junagarh	3	4	2	3		41
6	Kalampur	4	1	1	4		12
7	Karlamunda	4	4	1	4		10
8	Kesinga	3	3	1	3		32
9	Koksara	4	2	1	4		29
10	Lanjigarh	4	4	1	4		19
11	M. Rampur	3	3	1	3		17
12	Narla	4	2	1	4		26
13	Th. Rampur	3	2	1	1		16
	Urban						
1	Bhawanipatna(M)	4	4	1	4		09
2	Dharmagarh(NAC)	3	3	1	3		02
3	Kesinga (NAC)	4	2	1	4		05
4	Junagarh (NAC)	4	4	1	4		01

Human Resources Avaibility

2.3- Police and Fire Services:

Fire Service

Sl. No.	Name of the Block/ ULB	No. of Fire Stations	Human Resource (As per Sanctioned post)
1	Bhawanipatna	1	21
2	Dharmagarh	1	15
3	Kesinga	1	15
4	Junagarh	1	15
5	Kalampur	1	15
6	Jaipatna	1	15
7	Lanjigarh	1	15
8	Kokasara	1	15
9	Narla	1	15
10	M.Rampur	1	15
11	Karlamunda	1	15
12	Golamunda	1	15
13	Th. Rampur	1	15

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POSTWISE PRESENT STRENGTH OF OFFICERS AND MEN OF KALAHANDI DISTRICT POLICE WITH RANK

Sl. No.	NAME OF THE POSTs.	INSPECTOR	SUB-INSPR	ASI	HAV/ HC	CONSTABLE	OAPF	Home Guards
1.	**Town PS, Bpt.**	1	4	8	2	17	6	88
2.	Sadar TOP				1	10		
3.	Traffic Town PS				2	5		
4.	**Energy PS**			1	1	2		
5.	**Sadar PS, Bpt**	1	5	6	1	12	6	55
6.	Karlapada OP			1		4		
7.	**Kegaon PS**		2	3	1	7	2	15
8.	Borda OP			1		6		
9.	**Th.Rampur PS**		2	2	1	6	1	19
10.	Karlapat OP			1		3	3	
11.	Mahulpatna OP			1		2		
12.	**Dharmagarh PS**	1	2	3	1	9	3	20
13.	Dh.garh TOP				1	5		
14.	**Golamunda PS**	1	1	2	1	5	3	15
15.	Daspur OP			1		4		
16.	**Junagarh PS**	1	3	2	1	10	3	49
17.	JMFC Junagarh			1		3		
18.	Chiliguda OP			1		2		
19.	**Koksara PS**	1	1	2	1	8	3	15
20.	Moter OP			1		4		
21.	**Ampani PS**	1	0	2	1	5	1	
22.	Gotomunda OP			1		2		
23.	**Jaipatna PS**	1	3	4	1	7	2	20
24.	Kutru OP		1			2		
25.	Mukhiguda OP			1		4		
26.	Kalampur OP			1		5		
27.	**Kesinga PS**	2	3	5	1	17	3	49
28.	Kesinga TOP				1	2		
29.	Palam OP			1		2		
30.	Utkela OP			1		4		
31.	**Narla PS**	1	2	2	1	8	3	18
32.	Sikerkupa OP			1		2	2	
33.	Chhatiguda BH					2		
34.	**Lanjigarh PS**	1	1	2	1	8	2	14
35.	**Bijepur PS**		1	1	1	4	3	
36.	**Biswanathpur PS**	1		2		5		9
37.	**M.Rampur PS**		3	4	1	5	9	20
38.	Mohangiri OP		1			3	3	
39.	Risida OP			1		3		
40.	Karlamunda OP		1			2		
41.	APR					177		
TOTAL		**13**	**36**	**66**	**22**	**393**	**58**	**406**

3. Vulnerable Villages and Other Critical Infrastructure

Table No. 3.2 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 Causing Factor	Land Slide	Drought	If Yes at 'M' column then mention the Cultivable Area in Ha.	Lightning	Industrial / Chemical Accidents	If Yes at Column ' 'P' mention the Industry name	Drinking Water Crisis
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1							Yes	No	Yes		Yes	Yes		Yes	Yes		Yes
2							No	No	No		No	No		No	No		No

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	BHAWANIPATNA	3586	720	1235	345
2	DHARMAGARH	723	25	452	12
3	GOLAMUNDA	2715	571	1653	221
4	JAIPATNA	714	152	289	76
5	JUNAGARH	1114	202	783	57
6	KALAMPUR	201	34	133	23

Drinking water and Flood Vulnerability:

Sl. No.	Name of the Block/ ULB	Total No. of Tube Wells	No. of Tube Wells with raised platforms	No. Sanitary Wells	PWS Schemes				Other Drinking Water Sources If any
					Total No.	Length in Mtrs.	No. of Over Head tanks	No. of Stand Points	
1	Bhawanipatna	2306	65	2371	-	28	-	-	-
2	Dharamgarh	1257	21	1278	-	12	-	-	-
3	Golamunda	1763	31	1794	-	16	-	-	-
4	Jaipatna	1339	145	1484	-	2	-	-	-
5	Kesinga	1545	3	1548	-	23	-	-	-
5	Junagarh	1794	13	1807	-	19	-	-	-

No. 3.3 : List of **Hospitals/ Health Centers** Exposed to Cyclone:

Sl. No.	Name & Location of the Hospital/ Health Center	Gram Panchayat Name	Block Name
1			
2			
3			

Not Applicable-Kalahandi is not a cycone prone District

Table No.3. 4 : List of **Schools/ AWC** exposed to Cyclone:

Sl. No.	Name & Location of the School	Gram Panchayat Name	Block Name
1			
2			

Not Applicable-Kalahandi is not a cycone prone District

Table No. 3.5 :**Roads** exposed to **Cyclone** (Storm Surge)

Sl. No.	Road exposed to cyclone (storm surge) (From -----To)	Road Type	Length in Km	Block Name
1				
2				
3				

Not Applicable-Kalahandi is not a cycone prone District

Table No. 3.6 : List of **Hospitals/ Health Centers** Exposed to Tsunami:

Sl. No.	Name & Location of the Hospital/ Health Center	Gram Panchayat Name	Block Name
1			
2			

Not Applicable-Kalahandi is not a Tsunamai prone District

Table No. 3.7 : List of **Schools/AWC** exposed to Tsunami:

Sl. No.	Name & Location of the School	Gram Panchayat Name	Block Name
1			
2			

Not Applicable-Kalahandi is not a Tsunamai prone District

Table No. 3. 8 :**Roads** exposed to **Tsunami**

Sl. No.	Road exposed to Tsunami	Road Type	Length in Km	Block Name

	(From -----To)			
1				
2				

Not Applicable-Kalahandi is not a Tsunamai prone District

Table No. 3.9 : List of **Hospitals/ Health Centers** Exposed to**Tsunamai**:

Sl. No.	Name & Location of the Hospital/ Health Center	No. of Beds	Gram Panchayat Name	Block Name	Flood Causing Agent
1	NIL	NIL	NIL	NIL	NIL
2	NIL	NIL	NIL	NIL	NIL

Table No. 3.10: List of **Schools**/ **AWC** exposed to **Flood**:

List of Schools exposed to Flood				
Sl. No.	**Name and Location of the school**	**Gram Panchayat Name**	**Block Name**	**Flood causing Agent**
1	SANKUTRU PS	BADKUTRU	KALAMPUR	HATI RIVER
2	BALICHHADA PS	DEYPUR	KALAMPUR	HATI RIVER
3	TALPADAR NPS	DEYPUR	KALAMPUR	HATI RIVER
4	TALPADA PS	HARAMAL	KALAMPUR	HATI RIVER
5	TALPADA NPS	BANDHKAKA	KALAMPUR	HATI RIVER
6	GOUNTIAPADA (A) PS	BIJMARA	KALAMPUR	HATI RIVER
7	MATIKHAL PS	KALAMPUR	KALAMPUR	HATI RIVER
8	BIRIPUR PU.P.S.	KALAMPUR	KALAMPUR	HATI RIVER
9	KARMEL PS	KALAMPUR	KALAMPUR	HATI RIVER
10	GOUNTIAPADA (B) PS	KOTAGAON	KALAMPUR	HATI RIVER
11	BAGBURAI PS	SARGUL MALPADA	KARLAMUNDA	TEL RIVER
12	SIRABAHAL P.U.P.S.	POURKELA	KARLAMUNDA	TEL RIVER
13	TEREKELA PS	POURKELA	KARLAMUNDA	TEL RIVER
14	DIGSIRA PS	SIRJAPALI	KESINGA	TEL RIVER
15	BELKHANDI CPS	BELKHANDI	KESINGA	TEL RIVER
16	BADIPADA PUPS	SIRJAPALI	KESINGA	TEL RIVER
17	RAJAPADA PS	TUNDLA	KESINGA	TEL RIVER
18	AMATH CPS	NUNMATH	KESINGA	TEL RIVER
19	GHATPADA PS	KASHRUPADA	KESINGA	TEL RIVER

Table No. 3.10.1: List of **Schools**/ **AWC**Vulnerable to **Landslide**

BLOCK:- TH.RAMPUR

Sl.No.	Name of the School	School Code	Name of the GP	Appropriate Distance
1	K.Cheptaghat PS	21261318401	Maligoan	100 M.tr to the Hill
2	Bhitarsuing PS	21261319201	Nakrundi	100 M.tr to the Hill
3	Tarapadar PUPS	21261321301	Talampadar	110 M.tr to the Hill
4	Amthaguda PS	21261310601	Karlapat	130 M.tr to the Hill
5	Kenduguda PS	21261317401	Mahulpatna	120 M.tr to the Hill
6	Durmushi PS	21261304901	Gopinathpur	115 M.tr to the Hill
7	Benakhamar PS	21261322901	Padepadar	100 M.tr to the Hill
8	Suksan PS	21261301401	Birikot	140 M.tr to the Hill
9	Tumnikhol NPS	21261328901	Birikot	105 M.tr to the Hill

Table No.3. 11 :**Roads** exposed to **Flood**

Sl. No.	Road exposed to Flood (From -----To)	Road Type	Length in Km	Flood Causing Agent	Block Name
1	Bhawanipatna –Gunupur- Kashipur Road (13/0 to 42/0 & 48/0 to 55/500)	SH-44	36.5	Hill Road/ Land Slide	BHPATNA /TH. RAMPUR
2	Th.Rampur- Kashipur road (0/0 to 13/150)	MDR-112	13.150	Hill Road/ Land Slide	TH. RAMPUR
3	Kalampur-Th. Rampur (5/800 to 14/300)	MDR-114	8.5	Hill Road/ Land Slide	Kalampur-Th.Rampur
4	Lanjigarh-Bijepur road (5/0 to 17/0)	ODR	12.0	Hill Road/ Land Slide	LANJIGARH
5	TerenaamGhati to Bijepur via MusanaluptoKalyansinghpurBoarder (8/0 to 54/300)	ODR	46.3	Hill Road/ Land Slide	BH PATNA BISWANATHPUR

Table No. 3.12: List of **Hospitals/ Health Centers** Exposed to Land Slide:

Sl. No.	Name & Location of the Hospital/ Health Center	Land Slide Zone/ Area/ Location	Block Name
1			

Table No. 3. 14 : Hospitals adjacent to Major Industrial Establishment/ Chemical Storage Points.

Sl. No.	Name & Location of the Industry/ Factory/ Chemical Storage Points	Name and location of the Hospital/ Health Center	Gram Panchayat	Block
1	Vedanta, Lanjigarh	Vedanta Hospital (Corp.)	Lanjigarh	Lanjigarh
		Lanjigarh CHC	Lanjigarh	Lanjigarh

Table No. 3.15: Schools and AWC adjacent of Major Industrial Establishments/ Chemical Storage Point

Sl. No.	Name & Location of the Industry/ Factory/ Chemical Storage Points	Name of School/ AWC.	Gram Panchayat	Block
1	Vedant Alumina Ltd. Basantpada, Lanjigarh Block	Basantpada PUPS	Basantpada	Lanjigarh
		Sindhibahali PS	Basantpada	Lanjigarh
		Belamba PS	Baterlima	Lanjigarh
		Jagannathpur PS	Jagannathpur	Lanjigarh
		Lanjigarh NUPS	Lanjigarh	Lanjigarh
		Gopabandhu HS	Lanjigarh	Lanjigarh
		SSD HS Lanjigarh	Lanjigarh	Lanjigarh
		Chhatrapur HS	Chhatrapur	Lanjigarh
		Chhatrapur PUPS	Chhatrapur	Lanjigarh

1. Road Accidents:

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	Jolko to Kesinga	2	-	13	17
2	Jaring to Junagarh	3	-		
3	Karlaguda to Khairmal	2	-		
4	Chhatiguda to PWD Bonglow	100 mtrs.	-		
5	Pastikudi Road junction	5	-		
6	Baldiamal Chowk near Junagrh	3	-		
7	Moter Chowk	-	-		
8	Banner toJaipatna	29	-		
9	Kesinga to Amat	13	-		

10	Badli to Kutrukhamar	7	-		
11	NH 9-Kendughati near M. Rampur	6	-		
12	Banamalipur near Junagarh	2	-		
13	Bandopala chowk near Bhawanipatna	-	-		

Table No. 3.16 Village wise details of Population Requiring Special Care

Sl. No.	Block	No. of Persons covered under Old Age Pension Schemes		No. of Persons Covered under Widow Pension	No. of Persons covered under Disability Pension	
		Male	Female	Female	Male	Female
1	Bhawanipatna	2842	2781	2203	83	82
2	Kesinga	2322	1651	1506	101	97
3	Karlamunda	1173	847	771	45	37
4	M.Rampur	1940	955	1350	150	113
5	Narla	2429	1896	1778	154	148
6	Lanjigarh	1717	1850	1618	200	143
7	Th.Rampur	1140	1784	1655	98	95
8	Junagarh	3423	2259	2251	139	108
9	Dharamgarh	2157	2336	1785	142	113
10	Kalampur	1636	675	730	26	22
11	Koksara	2624	1803	1750	82	70
12	Jaipatna	2073	2541	1734	122	109
13	Golamunda	2544	2243	1869	136	105
	Total	**28020**	**23621**	**21000**	**1478**	**1242**

Table_Important Contact Numbers

Sl.No	Designation of the Officer (DLOs)	Name of the Officer	(Office)	Mobile
1	**Collector & D.M., Kalahandi.**	**Dr.Gavali Parag Harshad, IAS**	**230201 (O)** **230233 (R)** **230303 (F)**	**9668303456**
2	Superintendent of Police	Sri Batulla Gangadhar, IPS	233111	9438916770
3	Regional Chief Consvr. of Forests	9437001294 (ACF) I/c	231709	9437071709
4	Addl. District Magistrate, Kld.	Sri Sarat Ch. Srichandan, OAS(I) SB	230464	9438414888
5	Project Director, DRDA, Kld.	Sri Prasanna ku. Sarangi, OAS-I(SB)	230334	9437257149
6	Sub-Collector, Bhawanipatna	Sri Mirdha Toppo, OAS	230527	9437836824
7	Sub-Collector, Dharamgarh	Sri Padmanava Behera, OAS	242223	9437881245
8	Project Administrator, ITDA	Biranchi Narayan Darwan, OAS	230576	9438646593
9	Chief Dist. Medical Officer, Kld.	Dr.Banalata Devi,	233761	9439980000 9337816682
10	Chief District Veterinary Officer	Dr. Chaitanya CharanSethy	230502	9437394484
11	S E Minor Irrign. Kalahandi	Sri SimanchalSahu		9437010978
12	S.E., Wesco, Kalahandi	Shri Alok Satapathy	230443	9437291675
13	S.E., OLIC, Kalahandi	B.K. Mohapatra.	230783	9437030600
14	S E, R.D, Kalahandi.	Sri Pradip Naik	235504	9437135233
15	S E, PHD, Kalahandi	Sri Amulya Kumar Mallik		8456064334
16	D.F.O. (South)	Sri T. Ashok Kumar, IFS	230268	9437071926
17	D.F.O. (North)	Sri Nitish Kumar, IFS	230526	9437070526
18	Executive Engineer, R&B, B.patna	Sri AjitBabu	230512	9437050413
19	Executive Engineer, R D, Bh.patna	Sri KalipadaMohakud	230656	9437255331/9437154620
20	Executive Engineer, RD, Dh.garh	Sri S.K. Routray	06672-242765	9337856155
21	Executive Engineer, NH, Kesinga	Sri P.K. Samantaray,	222450	9437003522
22	Executive Engineer, RWS&S, Kld.	Sri Ajay Ku. Behera	230784	9437085338
23	Executive Engineer, P H D, KLd.	Shri A.C. Naik,	230684	9437182410
24	Executive Engineer, Irrigation	Shri Prasanta Dash,	230685	9439800882
25	Executive Engineer, M I, Kld.	Sri A.K. Patel,	230755	9861128585
26	Executive Engineer, OLIC	Shri Bharat Ch.Rout	230639	8249068045
27	Executive Engineer, KEED	Shri AlokRanjan Patnaik	230403	9437058573

28	Executive Engineer, KWED	Shri Loknath Dash	230678	9437058464
29	Executive Engineer, DRDA, Kld.	Sri Rishikesh Dandsena	230334	8456917201
30	General Manager, DIC, Kld.	Sri S.R. Pradhan	232637	9439628887
31	Deputy Director Agriculture.	Sri Antaryami Mallik	230751	7606011784
32	Deputy Director Horticulture	Sri Sailesh Ranjan Pattnaik,	230328	9437090586
33	D.P.C., DPEP/SSA	Sri S.K. Singh DEO I/C	232083	9437296156
34	District Education Officer	Sri S.K. Singh		9437296156
35	D. R. C. S., Kalahandi	Sri Prabir Ghosh	230758	9438164647
36	Dist. Social Welfare Officer	Smt. Jyotsnarani Patra	230537	9437168209
37	Dist. Panchayat Officer, SDPO I/c	Sri Arjun Majhi	230543	9437292575
38	Deputy Director (P&S) DPMU	Sri Bijay Kumar Tripathy	230606	9437271926
39	DI & PRO, Kalahandi I/C	Smt. Arpita Behera (DCO)	230665	7008861399
40	District LabourOfficer DLC I/c	Sri Mohanty	230310	9437354018
41	District Welfare Officer	Sri Budhadev Panda	230553	8763860405
42	District Mining Officer	Sri Dilip Ku. Sahu (9337351184)	230409	9438918218
43	District Emergency Officer	Sri. Surendra Ku. Tripathy	230455	9437044318
44	Regional Transport Officer	Sri DinabandhuSundhi	230545	9938024818
45	Civil Supplies Officer	Sri Shiba Prasad Dora	230392	9438200045
46	Superintendent of Excise,	Sri B.NSatapathy	230593	9437361661
47	Dist. Small Savings Officer	Sri NilanchalSethy	230772	9438122414
48	Dist. Sub- Registrar, Bh.patna	Sri Rudra Mohan Nayak	230743	9437299749
49	District Culture Officer, Kld.	Smt. Arpita Behera	233170	7008861399
50	Dist. Employment Officer I/c	Sri B.K. Upadhyaya	230628	9437486784
51	Deputy Director of Fisheries	Sri S. Das,	230538	9437114090
52	District Treasury Officer	Mr. Mohammed. Burhan	230530	7008746070
53	Executive Off. Municipality	Sri Biswambar Mishra	230424	9437222804
54	District Sports Officer	Sri Subhasis Nayak		9658323809
55	District Tourist Officer	Sri Subodh Ku. Chhatria		9439494426
56	District Social Security Officer	Sri Bholanath Naik		9937573132
57	District Child Protection Officer	Sri Sailendu Sekhar Mohapatra		9438090100
58	District Fire Officer	Sri. Subash Chandra Padhiari	230666/234110	9438721081

Important Contact Numbers of Block Level Officers

S.no	Designation	Name	Mobile Number	Official E-mail id
1	**Bhwanipatna Block**			
1	Block Development Officer	Sri. Pravash Chandra Dandsena	9437114391	ori-bhawanipatna@nic.in
2	Block Panchayat Officer	Sri. Mahesh Ram Majhi	9437328379	ori-bhawanipatna@nic.in
3	Tahasildar	Smt. BedabyasBhoi	7606990119	tah.bhawa-od@nic.in
4	Block Education Officer	Sri. Jagannath Purohit	9437015056	beobhawanipatna.sme.od@nic.in
5	Community Health Centre, Borda	Dr. Rajendra Narayan Singh Dalapati	9439980175	bpmubhawanipatna@gmail.com
6	Primary Health Centre ,Deypur	Dr. Siba Prasad Acharya	9668635973	bpmubhawanipatna@gmail.com
7	Primary Health Centre ,Dadpur	Dr. Ashiribad Purohit	8763536260	bpmubhawanipatna@gmail.com
8	Primary Health Centre ,Karlapada	Vacant		bpmubhawanipatna@gmail.com
9	Primary Health Centre Jugsaipatna	Vacant		bpmubhawanipatna@gmail.com
2	**Kesinga Block**			
1	Block Development Officer	BhimsenSabar	9437407386	ori-kesinga@nic.in
2	Block Panchayat Officer	Saroj Kumar Pradhan	9178688897	ori-kesinga@nic.in
3	Tahasildar	GandaramKhamari	9668313109	tah.kesin-od@nic.in
4	Block Education Officer	Nilamadhab Panda	9439227633	beokesinga.sme.od@nic.in
5	Area Health Centre, Pastigudi	Dr. ArabindKalsai	7008905136	bpmukesinga@gmail.com
6	Community Health Centre, Pastigudi	Dr. Abinash Pradhan	9439980012	bpmukesinga@gmail.com
7	Community Health Centre Utkela	Dr. Gurugobind Mallik	7978958262	bpmukesinga@gmail.com
8	Community Health Centre Kandel	Dr. Manoj Kumar Pradhan	7978037530	bpmukesinga@gmail.com
9	Community Health Centre Belkhandi	Vavant		
3	**Narla Block**			
1	Block Development Officer	Dr. Byasadeb Behera	9777323590	ori-narla@nic.in
2	Block Panchayat Officer	Sri. Kshytish Chandra Naik	8327715668	ori-narla@nic.in
3	Tahasildar	Smt. Prita Kumar	9668647152	tah.narla-od@nic.in
4	Block Education Officer	Smt. Nirupama Dora	9438262806	beonarla.sme.od@nic.in
5	Community Health Centre	Dr. Sarat Kumar Satpati	9439980087	bpmunarla@gmail.com
6	Primary Health Centre ,Rupra	Dr.Khitis Kumar Nayak	8763125028	bpmunarla@gmail.com
7	Primary Health Centre ,Rupra road	Dr. Manash Ranjan Biswal	9853066632	bpmunarla@gmail.com
8	Primary Health Centre , Palam	Dr. Rajesh Sahu	8917254198	bpmunarla@gmail.com
9	Primary Health Centre ,Ulikupa	Dr. Birendra Rout	7008931653	bpmunarla@gmail.com

4	**Koksara Block**			
1	Block Development Officer	Sri. Basanta Kumar Sethi	7978682863	ori-koksara@nic.in
2	Block Panchayat Officer	Sri. Damodar Biswal	9937389479	ori-koksara@nic.in
3	Tahasildar	Smt. Mausumi Naik	9938688120	tah.koksara-od@nic.in
4	Block Education Officer	Sri. Iswar Chandra Majhi	9938239572	beokoksara.sme.od@nic.in
5	Community Health Centre	Dr. Tatvadarshi Dash	9439998268	bpmukoksara@gmail.com
6	Primary Health Centre ,Badpodaguda In charge	Sri Jitendra Narayan Dash	9437607961	bpmukoksara@gmail.com
7	Primary Health Centre ,Ampani	Dr. Sushil Kumar Sahu	7008320560	bpmukoksara@gmail.com
8	Primary Health Centre ,Ladugaon	Dr. SusantaBhoisagar	9853085386	bpmukoksara@gmail.com
5	**Dharmagarh Block**			
1	Block Development Officer	Sri. Ashok Kumar Bhoi	9437393596	ori-dharamagarh@nic.in
2	Block Panchayat Officer	Sri. Sudhansu Sekhar Bag	8018026199	ori-dharamagarh@nic.in
3	Tahasildar	Sri. Ashok Kumar Bhoi (Addl. Charge)	9437393596	tah.dharmagarh-od@nic.in
4	Block Education Officer	Sri. Kishore Kumar Khamari	9437642288	ori-dharamagarh@nic.in
5	Community Health Centre	Dr. Sanjib Kumar Naik	9439980413	bpmudharamagarh@gmail.com
6	Primary Health Centre , Behera	Dr. Amit Bhoi	7008947728	bpmudharamagarh@gmail.com
7	Primary Health Centre ,Kankeri	Dr. Subrat Mishra	9437427440	bpmudharamagarh@gmail.com
8	Primary Health Centre ,Tapiguda	Dr. Abinash Negi	9937043364	bpmudharamagarh@gmail.com
9	Primary Health Centre ,Khairpadar	Dr. Swati Satpathy	9437626696	bpmudharamagarh@gmail.com
6	**Th. Rampur Block**			
1	Block Development Officer	Sri. Nabin Chandra Naik	9437241181	ori-thrampur@nic.in
2	Block Panchayat Officer	Sri. Gyana Ranjan Bhoi	9668675060	ori-thrampur@nic.in
3	Tahasildar	Sri. BinayaBhoi	9937059589	tah.thuamu-od@nic.in
4	Block Education Officer	Sri. Sudhir Rath	9439799390	beothrampur.sme.od@nic.in
5	Community Health Centre	Dr. AbinashRath	9938213040	bpmuthrampur@gmail.com/ brccthrampur@gmail.com
7	**M. Rampur Block**			
1	Block Development Officer	Smt. Rumana Jafri	8018114649	ori-mrampur@nic.in
2	Block Panchayat Officer	Sri. Kulamani Singh	9938784760	ori-mrampur@nic.in
3	Tahasildar	SD EsakMadina	9438263721	tah.mram-od@nic.in
4	Block Education Officer	Sri. Ganesh Kisan	7894509696	beomrampur.sme.od@nic.in
5	Community Health Centre	Dr. Kishore Chandra Sahoo	9439980056	bpmumrampur@gmail.com
8	**Golamunda Block**			
1	Block Development Officer	Smt. Snigdha Rani Pradhan	9938147339	ori-golamunda@nic.in

2	Block Panchayat Officer	Sri. Ramit Kumar Pradhan	8249752286	ori-golamunda@nic.in
3	Tahasildar	Smt. Manisha Das	9437417870	tah.golam-od@nic.in
4	Block Education Officer	Sri.Jibanta Kumar Mund	8018743287	beogolamunda.sme.od@nic.in
5	Community Health Centre, Chapuria	Dr. Champak Meher	9439506346	bpmuchapuria1@gmail.com
6	Primary Health Centre, Golamunda	Dr. Champak Meher (Addl. Charge)	9439506346	bpmuchapuria1@gmail.com
9	**Kalampur Block**			
1	Block Development Officer	Sri. HemsagarBhoi	9556534301	ori-kalampur@nic.in
2	Block Panchayat Officer	Sri. Karunakara Bag	9178360511	ori-kalampur@nic.in
3	Tahasildar	Sri. Smruti Ranjan Mallik	7205044620	tah.kalam-od@nic.in
4	Block Education Officer	Sri. NabinKhamari	8763785251	beokalampur.sme.od@nic.in
5	Community Health Centre, Kalampur	Dr. Sibasis Swain	9437820679	bpmukalampur@gmail.com
6	Primary Health Centre, Bandhakana	Dr. Ashutosh Sahoo	9439233758	bpmukalampur@gmail.com
10	**Karlamunda Block**			
1	Block Development Officer	Smt. Priyadarshini Mirdha	9776016761	ori-karlamunda@nic.in
2	Block Panchayat Officer	Sri. Jugal Kishore Naik	9348268186	ori-karlamunda@nic.in
3	Tahasildar	Sri. Abanikanta Sahoo	9861142773	tah.karla-od@nic.in
4	Block Education Officer	Sri. AlumalaBhimraj	8249304608	beokarlamunda.sme.od@nic.in
5	Community Health Centre, Karlamunda	Dr. Himansu Sekhar Sahu	9439980458	bpmukarlamunda@gmail.com
6	Primary Health Centre, Regeda	Dr. Amita Kumar Pradahan	8249304608	bpmukarlamunda@gmail.com
7	Primary Health Centre, Risida	Dr. Prasanta Kumar Samal	7809445144	bpmukarlamunda@gmail.com
11	**Lanjigarh Block**			
1	Block Development Officer	Sri. MunidraHonanga	7008702601	ori-lanjigarh@nic.in
2	Block Panchayat Officer	Sri. Dharmendra Pradhan		ori-lanjigarh@nic.in
3	Tahasildar	Sri. MunidraHonanga	7008702601	tah.lanji-od@nic.in
4	Block Education Officer	Sri. Sandip Kumar Naik	9437938588	beolanjigarh.sme.od@nic.in
5	Community Health Centre, Biswanathpur	Dr. IndarkumarNathani	8327755842	bpmulanjigarh@gmail.com
6	Community Health Centre, Lanjigarh	Dr. Gandharba Majhi	8249354170	bpmulanjigarh@gmail.com
7	Primary Health Centre, Madhupur	Dr. Supriya Rout Ray	9583021915 / 7008240425	bpmulanjigarh@gmail.com
8	Primary Health Centre, Bengaon	Dr. Supen Naik	8908470977	bpmulanjigarh@gmail.com
9	Primary Health Centre, Lanjigarh Road	Dr. DebenduTripathy	8847880384	bpmulanjigarh@gmail.com
12	**Junagarh Block**			
1	Block Development Officer	Sri. Dularam Marandi	9437507527	ori-junagarh@nic.in
2	Block Panchayat Officer	Sri. Siddheswar Maher	9861755742	ori-junagarh@nic.in
3	Tahasildar	Sri. Upendra Kumar Luha	9937315555	tah.junagarh-od@nic.in
4	Block Education Officer	Smt. Sudhansubala Devi	9777829922	beojunagarh.sme.od@nic.in

5	Community Health Centre, Junagarh	Dr. Bhagaban Panda	9439980260	bpmujunagarh@gmail.com
6	Community Health Centre, Chiliguda	Dr. Ramakrushna Mohapatra	9608037985	bpmujunagarh@gmail.com
7	Primary Health Centre,Dedhar	Vacant		bpmujunagarh@gmail.com
8	Primary Health Centre, Kulihari	DR. Prahallad Nayak	9439980267	bpmujunagarh@gmail.com
9	Primary Health Centre, Habaspur	Dr. BibekanandMahanand	8178301393	bpmujunagarh@gmail.com
10	Primary Health Centre Mahichala	Dr. Elija Priyadarshini Behera	8249289014	bpmujunagarh@gmail.com
11	Primary Health Centre Charbahal	Dr. DinbandhuSahani	8018619779	bpmujunagarh@gmail.com
13	**Jaipatna Block**			
1	Block Development Officer	Miss. AiswariaSamantaray	8280056658	ori-jaipatna@nic.in
2	Block Panchayat Officer	Sri. SitambarPradhani	8328839719	ori-jaipatna@nic.in
3	Tahasildar	Sri. Tiknu Puta (In Charge)	9178371869	tah.jai-od@nic.in
4	Block Education Officer	Sri. Somanath Nayak	8249413314	beojaipatna.sme.od@nic.in
5	Community Health Centre, Jaipatna	DR. Niharendra Kumar Panda	9439980134	chcjaipatna@gmail.com

Contact Details VeterenaryDeppt.

Sl. No	Name	Designation	Place of posting	Contact No
1	Dr.Chaitanayach.Sethi	CDVO	Bhawanipatna	9437394484
2	Dr.NimaiCharanPattnayak	Dy.Dir.,DVH	Bhawanipatna	9437671350
3	Dr.Bira Kishore Parida	ADVO(DC)	Bhawanipatna	9437607312
4	Dr.Prasanta Kumar Mishra	SDVO,Dh.garh	Dharmgarh	9437197818
5	Dr.GirishKu.Mahanty	SDVO,Bh.patna	Bhawanipatna	9437433984
6	Dr.KedarnathKhamari	Nodal Officer	CDVO Kalahandi	9437657064
7	Dr.NimaiCharanPattnayak	Dy.Dir.,DVH	VH,Bhawanipatna	9437671350
8	Dr.Nirod Chandra Kanhar	RIO,CIL	RIO,CIL,Bhawanipatna	9437427620
9	Dr.MausumiTarai	VAS	VD,Borda	9439502131
10	Dr.Jagayasinimeher	VAS	VD,Karlapada	8895943936
11	Dr.Paramananda Naik	BVO	VD,Kesinga	9437623102
12	Dr.SangramKeshori Behera	AVAS	VD,Koksara	9938307443
13	Dr.Anadasagar Seth	VAS	VD,Tundla	9439425657
14	Dr.ManoranjanParida	VAS	VD,Pastikudi	9938630057
15	Dr.RanjitaTigga	AVAS	VD,Narla	7873439231
16	Dr.DibiyaCharanLenka	AVAS	VD,M.Rampur	8339900492
17	Dr.AmiyaMahanty	BVO	VD,Risida	9439474900
18	Dr.Joushnarani Sing	VAS	VD,Lanjigarh	7873637619
19	Dr.Kallol Kumar Panda	BVO	VD,Biswanathpur	9437151766
20	Dr.Sarada Prasad Nayak	AVAS	VD,Th.Rampur	8895007075
21	Dr.Abhamanjuri Nayak	BVO	VH,Dharmagarh	8895003385

22	Dr.Assit Kumar Satapaty	AVAS	VH,Dharmagarh	9853451767
23	Dr.Sudhansu Sekhar Behera	VAS	VD,Parla	9583393133
24	Dr.Prasana Kumar Das	BVO	VH,Junagarh	9437154809
25	Dr.LalatenduKeshori Das	AVAS	VD,Kalampur	7894169171
26	Dr.Pramod Kumar Bhoi	AVAS	VD,Golamunda	7894189063
27	Dr.Jyotiprakash Behera	VAS	VD,Jaipatna	8249422927
28	Dr.ShaswatPriyadarshiMaharathi	AVAS,MVU	VD,Kesings	9938234427
29	Dr.Sushree Sangita Mohapatra	AVAS,MVU	VH,Bhawanipatna	8638743328
30	Dr.Biswajit Mishra	AVAS,MVU	VD,Lanjigarh	7809522847
31	Dr.Arun Kumar Sahu	AVAS,MVU	VD,Risida	9658010822
32	Dr.Amit Ranjan Sahu	AVAS,MVU	VD,Th.Rampur	8881490475
33	Dr.SushreeSangitaBoitoi,	AVAS,MVU	VD,Narla	9853844410
34	Dr.Nihar Ranjan Debata	AVAS,MVU	VH,Dharmagarh	9439463705
35	Dr.Smruti Ranjan Dash	AVAS,MVU	VD,Koksara	9937664967
36	Dr.Praik Das Adhikary	AVAS,MVU	VD,Kalampur	9938489160
37	Dr.Siba Prasad Nayak	AVAS,MVU	VD,Jaipatna	9337639788
38	Dr.Priyanka Priyadarshini Swain	AVAS,MVU	VH,Junagarh	8763198221
39	Dr.Netra Prakash Bharati	AVAS,MVU	VD,Golamunda	7894799533

Contact Details of Horticulture

Block	Name of the AHO	Contact No
Bhawanipatna	JayadevSeet	8763387312
Kesinga	Brajabandhu Sahoo	9439933099
Karlamunda	Rabindra Kumar Nag	9777171886
M.Rampur	Rabindra Kumar Nag	9777171886
Narla	JayadevSeet	8763387312
Lanjiagarh	Ananta Narayan Panda	9437700227
Th.Rampur	JayadevSeet	8763387312
Dharmagarh	Rojalini Sahoo	8984162571
Junagarh	Tanmaya Kumar Mishra	9439488388
Golamunda	Rojalini Sahoo	8984162571
Koksara	Tapan Kumar Patra	7978109205
Jaipatna	RajanikantaBandhichhod	8455832913
Kalampur	Dhananjaya Rout	9556387082

Contact Details of Minor Irrigation

Sl No	Name & Designation	Contact Mobile Number	
1	Santosh Kumar Arukh, AE, M I Section, Bhawanipatna	7978619928	
2	Debendra Narayan Padhi, AE, M I Section, Lanjigarh	8917575339	
3	Jag Mohan Naik, JE, M I Section, Kesinga	9439587375	
4	Ramesh Chandra Sahu, AE, M I Section, Th Rampur	7894096835	
5	Ashok Kumar Sethy, JE, M I Section, M Rampur	9438517750	
6	Soumya Ranja Majhi, JE, M I Section, Narla -I	7751073555	
7	Soumya Ranja Majhi, JE, M I Section, Narla -II	7751073555	
8	Pradumnya Kumar Meher, JE, M I Section, Karlamunda	9437604461	
9	Kalpana Pradhan, AE, M I Section, Junagarh	9438611043	
10	Sailesh Kumar Dhanuar, JE, M I Section, Dharamgarh	9437243307	
11	Sailesh Kumar Dhanuar, JE, M I Section, Golamunda	9437243307	
12	Anil Kumar Nayak, AE, M I Section, Koksara	9937939331	
13	Anil Kumar Nayak, AE, M I Section, Kalampur	9937939331	
14	Basanta Kumar Dash, JE, M I Section, Jaipatna	7008370410	

Contact Details of Agriculture

KALAHANDI DISTRICT DDA,DAO,AAO & SMS DETAILS

Deputy Director of Agriculture, Kalahandi

SL.NO	NAME	DESIGNATION	HEAD QUATAR	MOBILE NO.
1	Sri. Antaryami Mallick	I/c DDA	Bhawanipatna	8895780724
2	Sri.JanakiBallav Mohapatra	WMS	Bhawanipatna	9938364147
3	Sri.NilakanthaMeher	JQCI	Bhawanipatna	9437133125

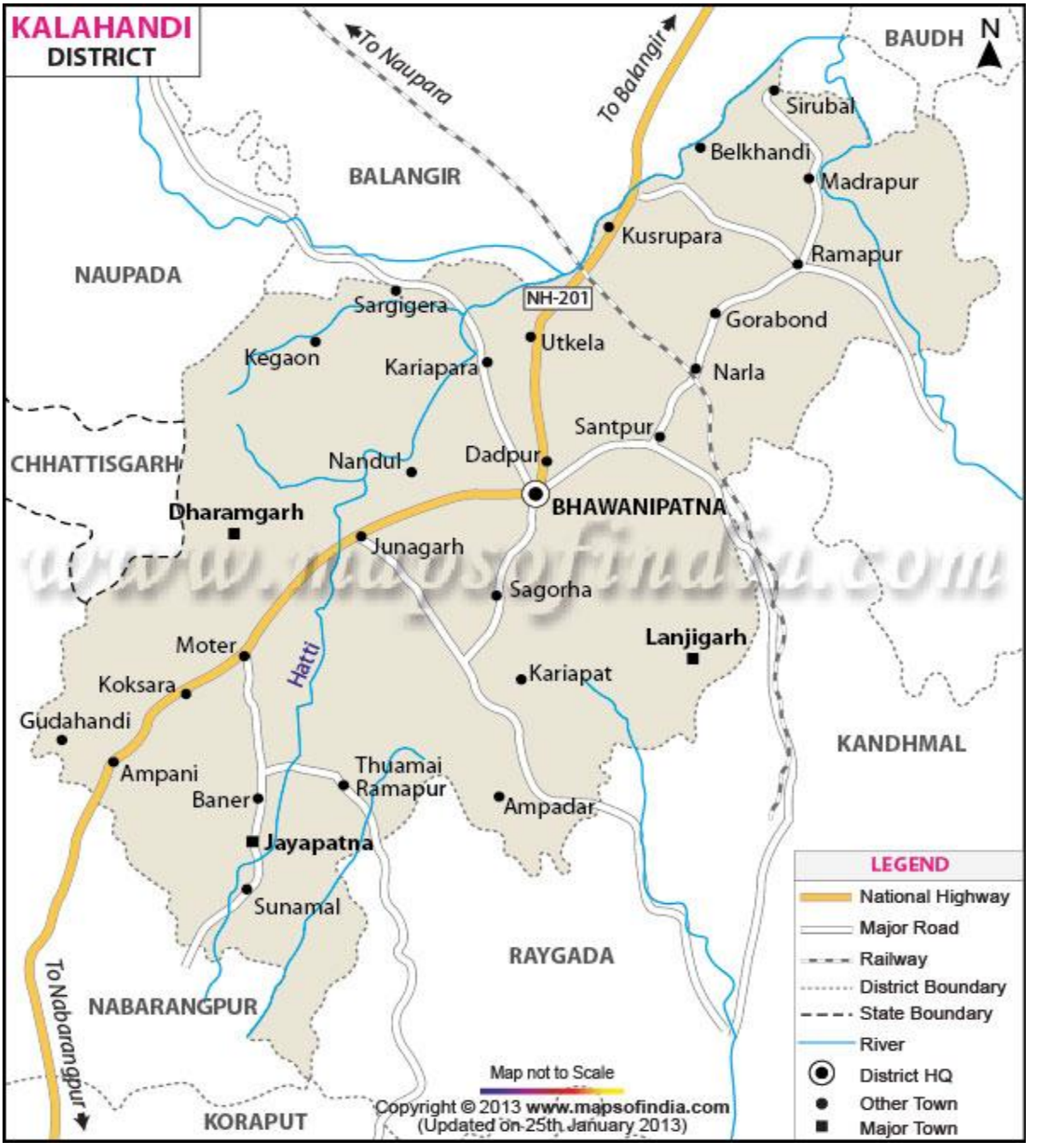
4	Poojarani Bag	Assistant Agriculture Officer(Sugarcane)	Bhawanipatna	9556794614
District Agriculture Officer,Bhawanipatna				
1	Sri.Ashok Kumar Amat	DAO.	Bhawanipatna	9437322053
2	Sri.Biswanath Mohapatra	AAO	Kesinga	9437152323
3	Sobhagya Behera	AAO	Gunpur	9776330308
4	KholonaKuanar	AAO	Borda	9777745673
District Agriculture Officer,Narla				
1	Sri. Antaryami Mallick	I/c DDA	Bhawanipatna	8895780724
2	Sri.SudhanshuMeher	AAO	Biswanathpur	9668855665
3	Sibani Pradhan	AAO	Bhanpur	8763484807
District Agriculture Officer,Junagarh				
1	Sri.Rama Krishna Nayak	DAO	Junagarh	9437529214
2	Sri.Naukeswar Nag	AAO	Junagarh	9776061491
3	Sri.GajananSahu	AAO	Charbahal	9937152814
4	Sri. M.Rrakash Rao	AAO	Jaipatna	9437626299
5	Reshma Lakra	AAO	Badpujhariguda	7377477203
District Agriculture Officer ,Dharmagarh				
1	Sri. Jaganath Nanda	DAO	Dharmagarh	9437475245
2	Sri.ChittaranjanSatapathy	Agronomist	Dharmagarh	9437327573
3	Sri.GhanashyamDehuri	AAO	Koksara	9439616389
4	Sri.Navesh Kumar Pattnaik	AAO	Ladugaon	9437849908
5	Sri.Nihar Naik	AAO	Golamunda	9437820679
6	Sri.LingarajMeher	AAO	Keygaon	9777832706
7	Sri.Hemananda Majhi	AAO	Dharmagarh	9937748212
Subject Matter Specialist (Cotton),Bhawanipatna				
1	Sti. Narayan Upadhyay	SMS (Cotton)	Bhawanipatna	9937593869
SOIL CHEMIST, BHAWANIPATNA				
1	Sri.Birendranath Mishra	Soil Chemist	Bhawanipatna	9437223506
2	Sri. Narendra Kumar Panda	AAO	Bhawanipatna	9437725987
SEED PRODUCTION OFFICER,OSSC,BHAWANIPATNA				
1	Sri. Subash Chandra Behera	SPO (On Deputation)	Bhawanipatna	9438918546

Allotted Satellite Phone Numbers

Sl NO	District / Office Names	Inmarsat Calling Numbers
1	Collector Angul	8991118454
2	Collector Balasore	8991118455
3	Collector Bargarh	8991118456
4	Collector Bhadrak	8991118457
5	Collector Bolangir	8991118458
6	Collector Boudh	8991118459
7	Collector Cuttack	8991118460
8	Collector Deogarh	8991118461
9	Collector Dhenkanal	8991118462
10	Collector Gajapati	8991118463
11	Collector Ganjam	8991118464
12	Collector Jagatsinghpur	8991118465
13	Collector Jajpur	8991118466
14	Collector Jharsuguda	8991118467
15	Collector Kalahandi	8991118468
16	Collector Kandhamal	8991118469
17	Collector Kendrapada	8991118470
18	Collector Keonjhar	8991118471
19	Collector Khorda	8991118472
20	Collector Koraput	8991118473
21	Collector Malkangiri	8991118474
22	Collector Mayurbhanj	8991118475
23	Collector Nabarangpur	8991118476
24	**Collector Nayagarh**	**8991118477**
25	Collector Nuapada	8991118478
26	Collector Puri	8991118479
27	Collector Rayagada	8991118480
28	Collector Sambalpur	8991118481
29	Collector Subarnapur	8991118482
30	Collector Sundargarh	8991118483
31	ODRAF Cuttack, OASP 6th Battalion	8991118485

Sl NO	District / Office Names	Inmarsat Calling Numbers
32		8991118484
33	ODRAF Bhubaneswar, OSAP 7th Battalion	8991118487
34		8991118486
35	ODRAF Baripada, OSAP 5th Battalion	8991118488
36		8991118489
37	ODRAF Rourkela, OSAP 4th Battalion	8991118490
38		8991118491
39	ODRAF Koraput, OSAP 3rd Battalion	8991118492
40		8991118493
41	ODRAF Jharsuguda, OSAP 2nd Battalion	8991118495
42		8991118494
43	ODRAF Chattrapur, OSAP 8th Battalion	8991118496
44		8991118497
45	ODRAF Balasore	8991118499
46		8991118498
47	ODRAF Bolangir	8991118500
48		8991118501
49	ODRAF Bolangir	8991118502
50		8991118503
51	State Fire Office	8991118504
52	Commissioner of Police	8991118505
53	Revenue & DM Department	8991118506
54	Managing Director, OSDMA	8991118507
55	Office of Chief Secretary	8991118508
56	Office of Chief Minister	8991118509
57	Special Relief Commissioner (SEOC)	8991118510
58	Managing Director, OSDMA	8991118511

5. MAPS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Utkela
Kegaon
Kariapara
Narla
Santpur
CHHATTISGARH
Nandul
Dadpur
BHAWANIPATNA
Dharamgarh
Junagarh
Sagorha
Lanjigarh
Moter
Hatti
Kariapat
Koksara
Gudahandi
KANDHMAL
Ampani
Thuamai
Ramapur
Baner
Ampadar
Jayapatna
Sunamal
RAYGADA
To Nabarangpur
NABARANGPUR
KORAPUT
Map not to Scale
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(Updated on 25th January 2013)
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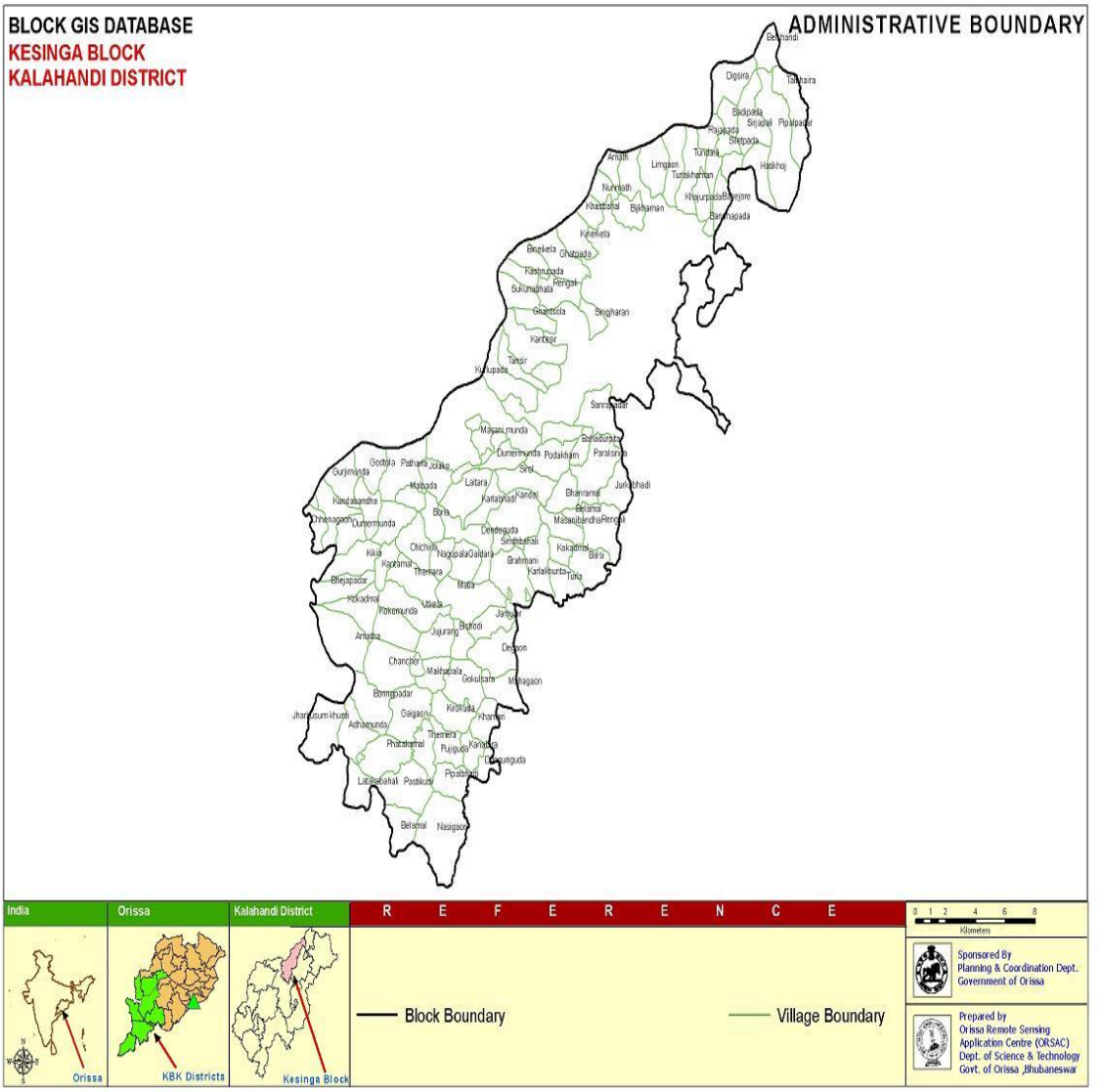
National Highway
Major Road
Railway
District Boundary
State Boundary
River
District HQ
Other Town
Major Town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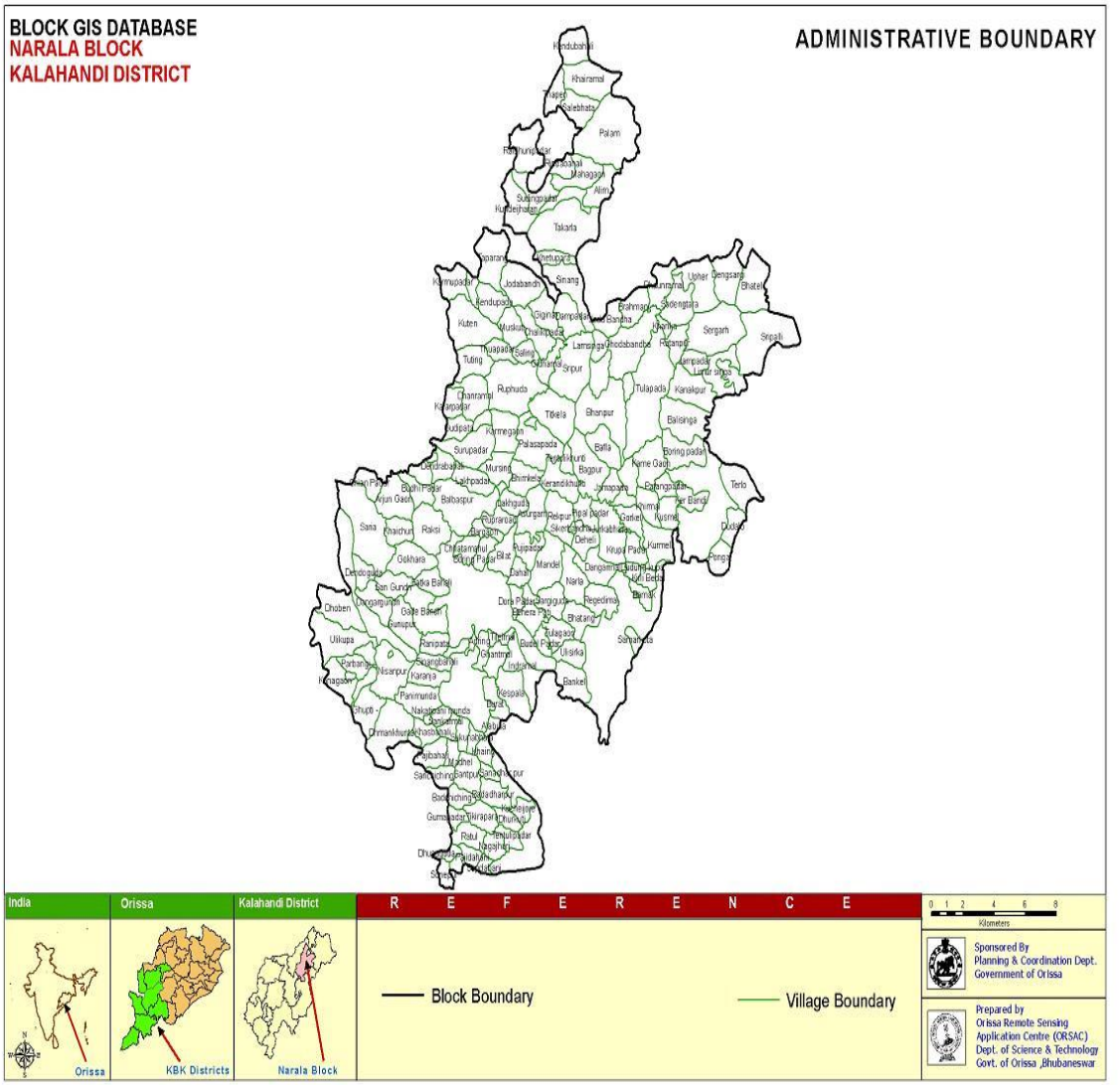
Block Boundary
Village Boundary
Kilometers
Sponsored By
Planning & Coordination Dept.
Government of Orissa
Prepared by
Orissa Remote Sensing
Application Centre (ORSAC)
Dept. of Science & Technology
Govt. of Orissa ,Bhubaneswar


BLOCK GIS DATABASE
NARALA BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDARY
India
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KBK Districts
Narala Block
R E F E R E N C E
Block Boundary
Village Boundary
0 1 2 4 6 8
Kilometers
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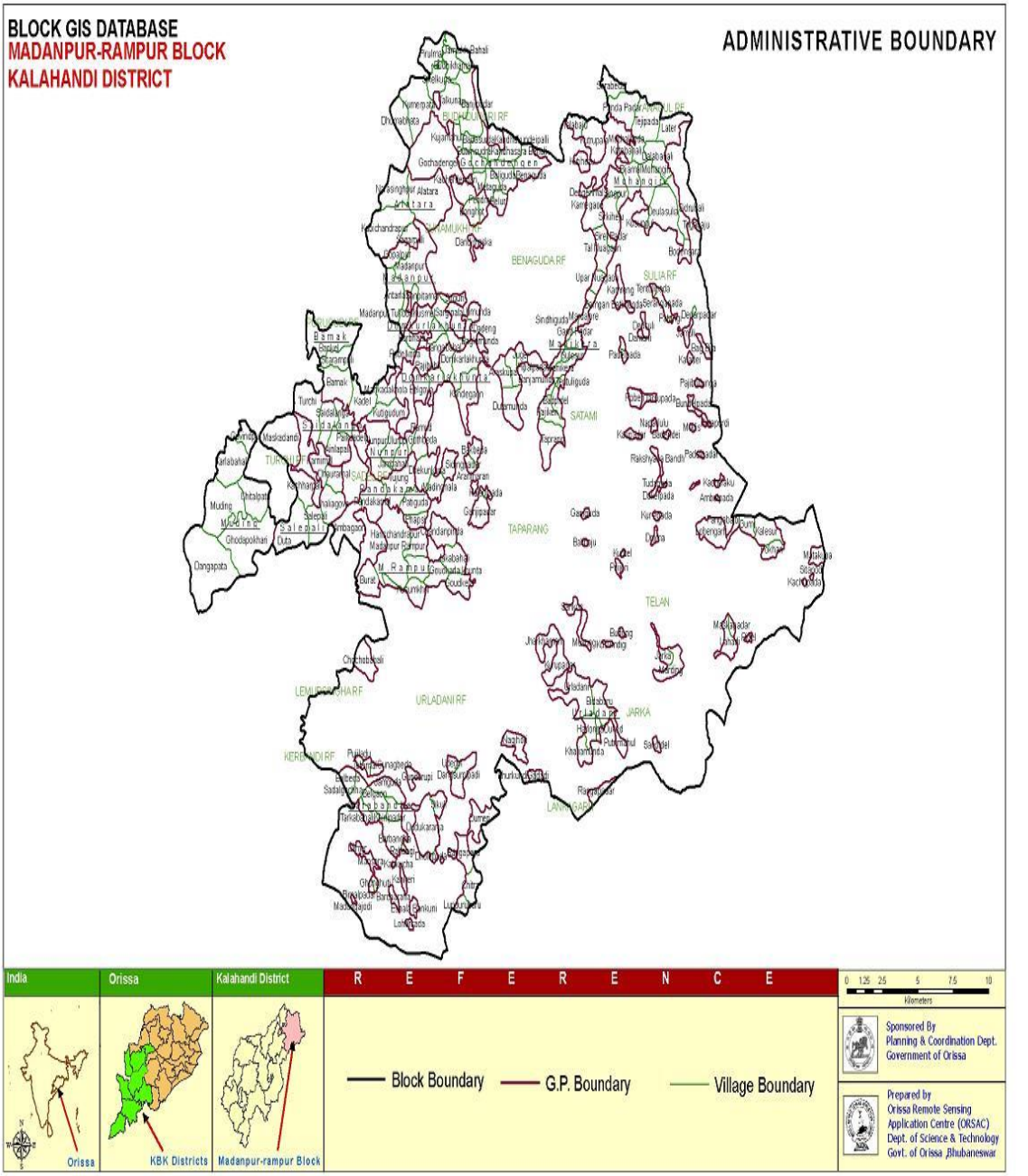
Application Centre (ORSAC)
Dept. of Science & Technology
Govt. of Orissa ,Bhubaneswar


BLOCK GIS DATABASE
MADANPUR-RAMPUR BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDARY
BENAGUDA RF
SULIA RF
SATAMI
TAPARANG
TELAN
JARKA
URLADANI RF
India
Orissa
Kalahandi District
Orissa
KBK Districts
Madanpur-rampur Block
R E F E R E N C E
Block Boundary
G.P. Boundary
Village Boundary
Kilometers
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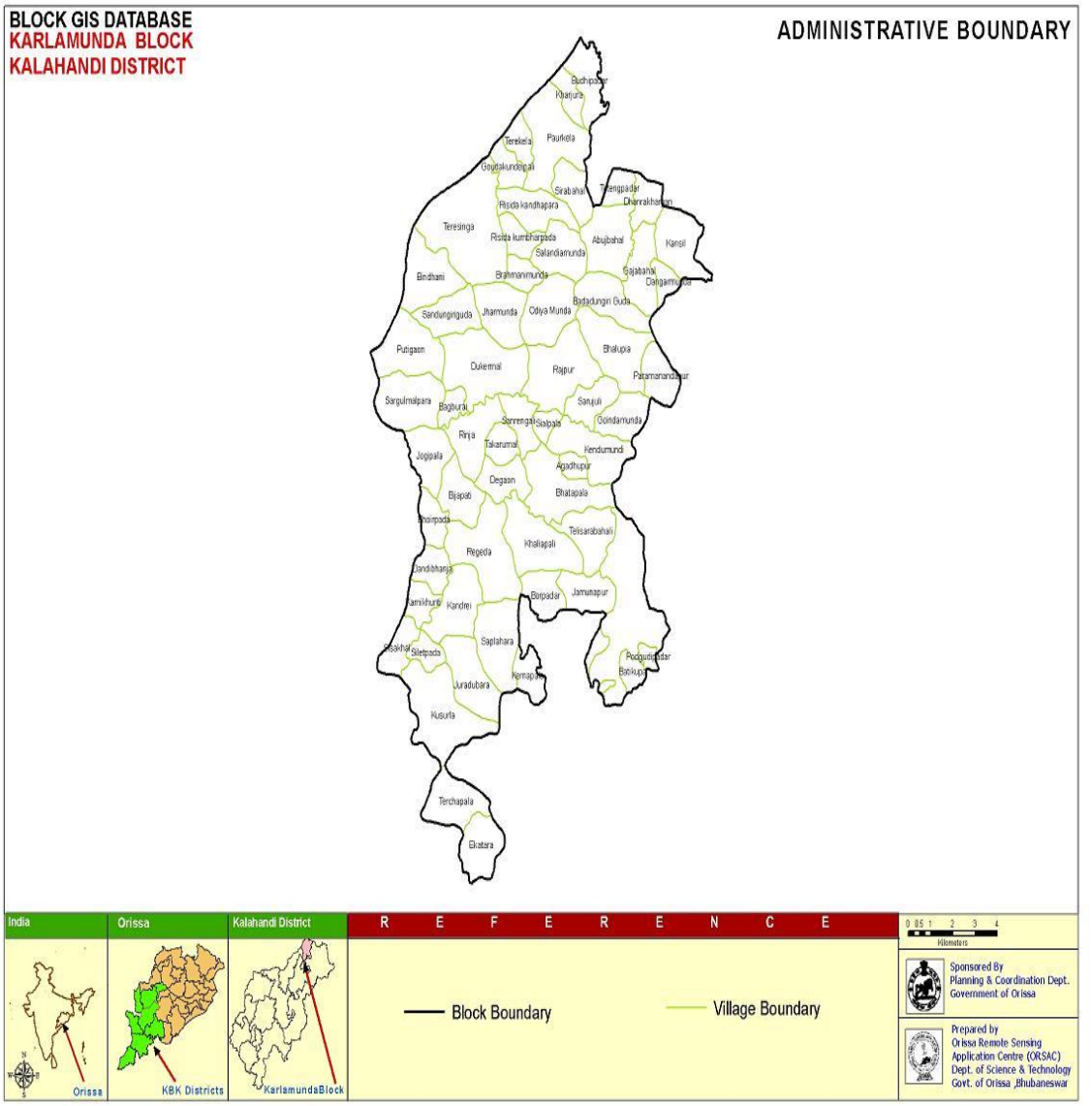
Govt. of Orissa ,Bhubaneswar


BLOCK GIS DATABASE
KARLAMUNDA BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDARY
Buchipadar
Kharjura
Terekela
Paurkela
Goudakundelpali
Sirabahal
Tengpadar
Dhanrakhanan
Risida kandhapara
Teresinga
Risida kumbharpada
Abujbahal
Kansil
Salandiamunda
Bindhani
Brahmanimunda
Gajabahal
Dangamunda
Badadungri Guda
Sandunginguda
Jharmunda
Odiya Munda
Putigaon
Bhalupia
Dukermal
Rajpur
Paramanandapur
Sargulmalpara
Bagburai
Sanjuli
Sanrengali
Sialpala
Goindamunda
Rinja
Takarumal
Kendumundi
Jogipala
Agadhupur
Degaon
Bhatapala
Bijapati
Telisarabahali
Khallapali
Regeda
Dandibhanja
Borpadar
Jamunapur
Kandrei
Saplahara
Siletpada
Podgudipadar
Batikupa
Juradubara
Kusurla
Terchapala
Ekatara
India
Orissa
Kalahandi District
R E F E R E N C E
Orissa
KBK Districts
KarlamundaBlock
Block Boundary
Village Boundary
0 0.5 1 2 3 4
Kilometers
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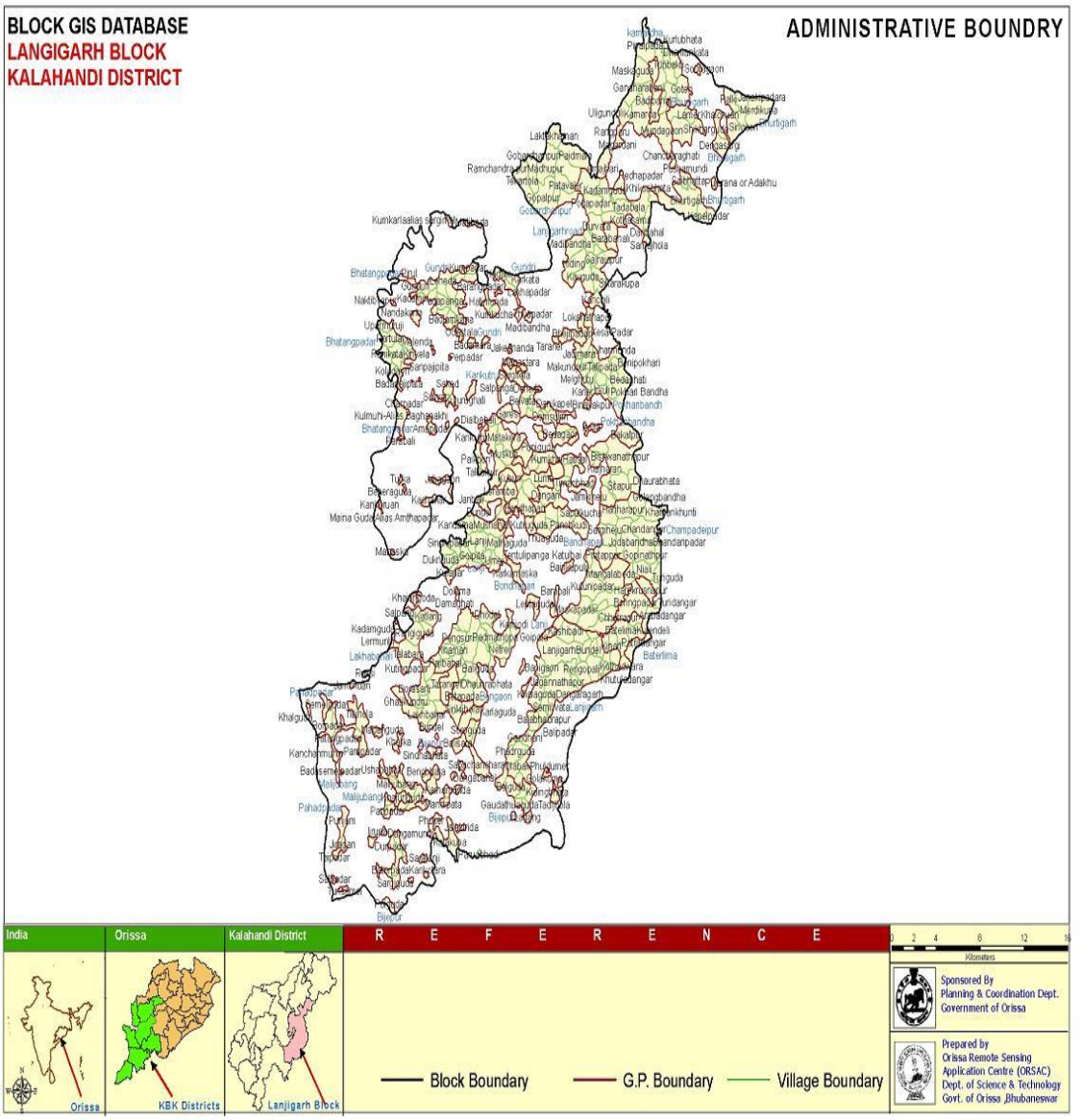
BLOCK GIS DATABASE
LANGIGARH BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDRY
India
Orissa
Kalahandi District
R E F E R E N C E
Orissa
KBK Districts
Lanjigarh Block
Block Boundary
G.P. Boundary
Village Boundary
Kilometers
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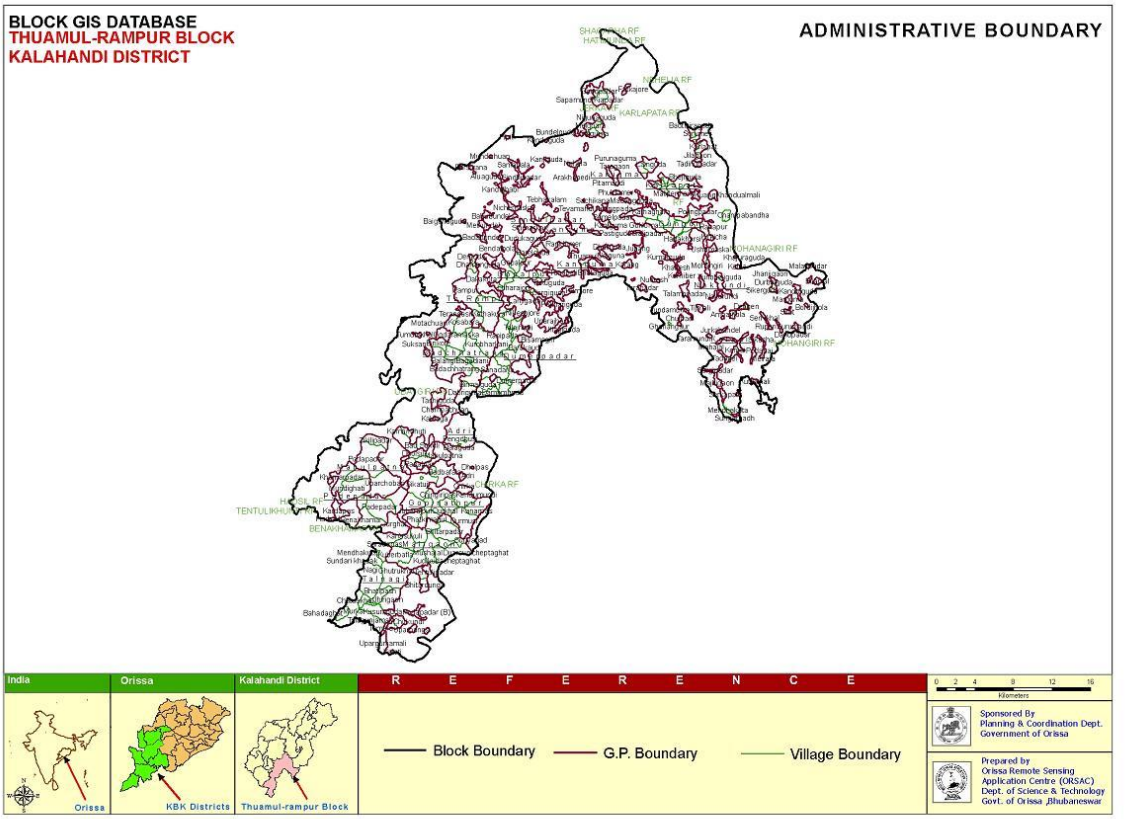
BLOCK GIS DATABASE
THUAMUL-RAMPUR BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDARY
India
Orissa
Kalahandi District
R E F E R E N C E
Block Boundary
G.P. Boundary
Village Boundary
Orissa
KBK Districts
Thuamul-rampur Block
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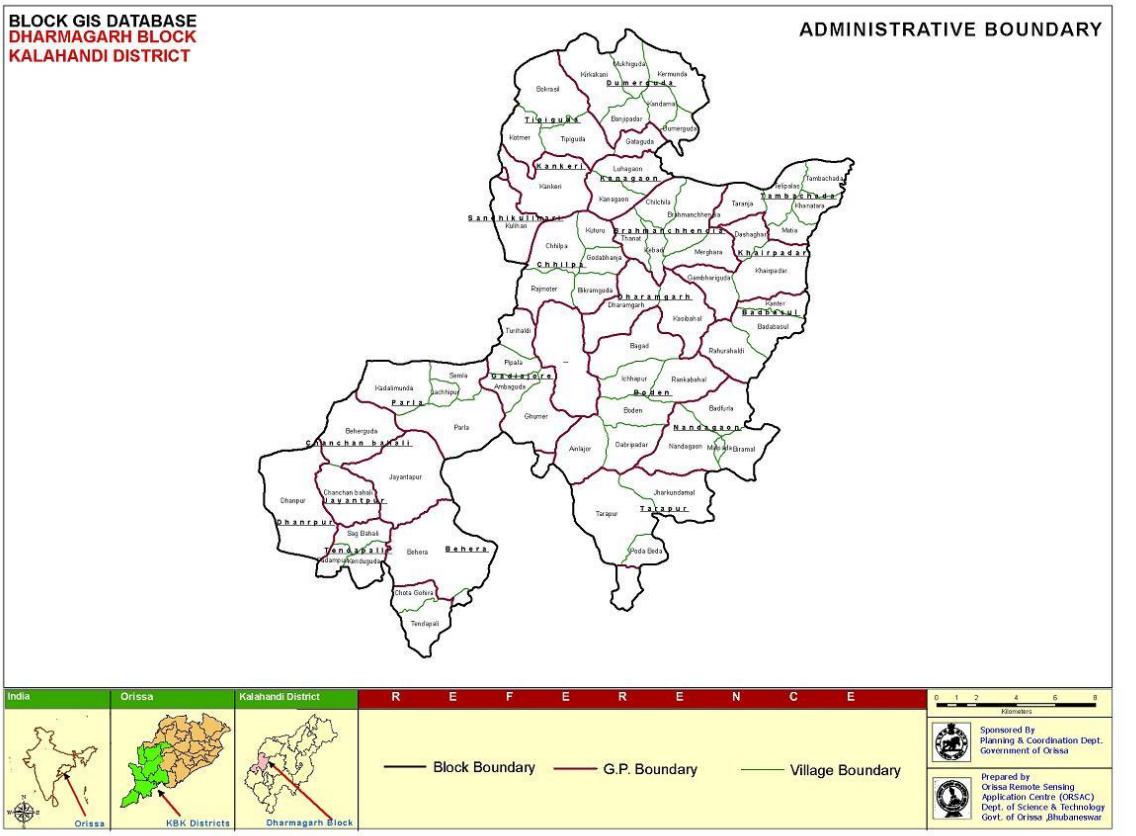
BLOCK GIS DATABASE
DHARMAGARH BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDARY
India
Orissa
Kalahandi District
R E F E R E N C E
Block Boundary
G.P. Boundary
Village Boundary
Orissa
KBK Districts
Dharmagarh Block
Sponsored By
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Government of Orissa
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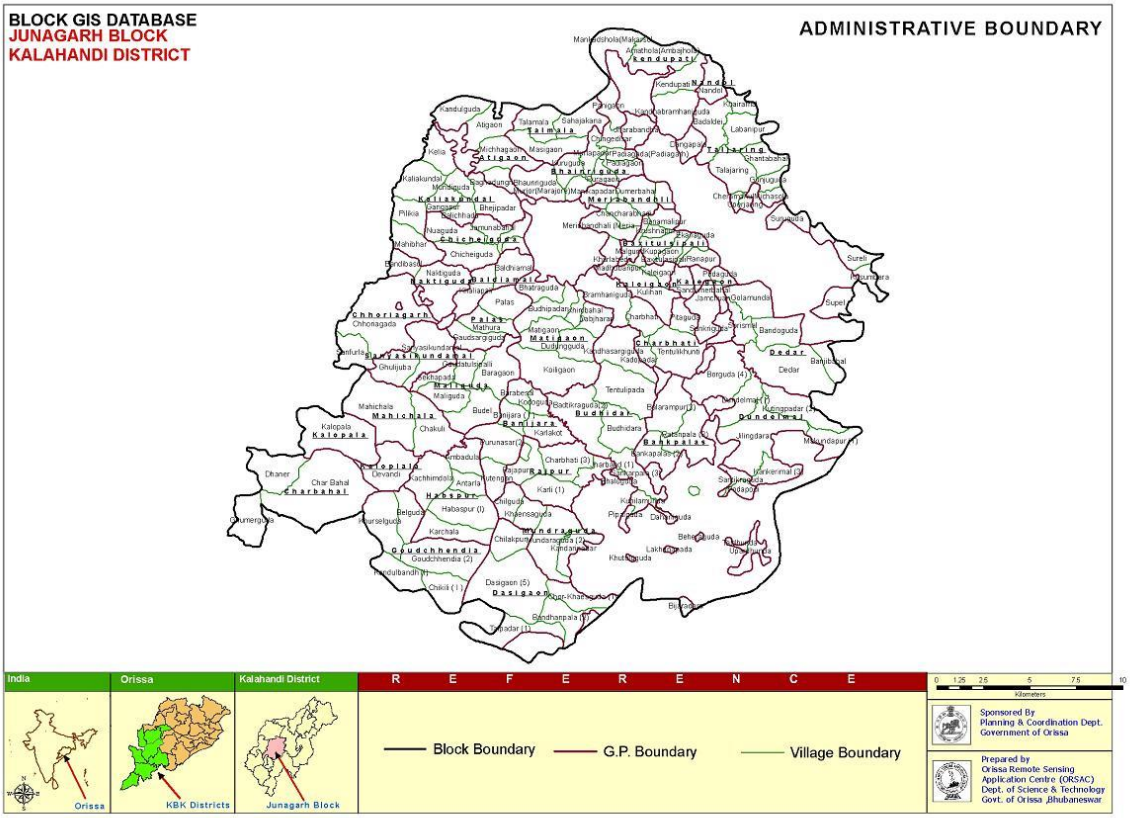
Dept. of Science & Technology
Govt. of Orissa ,Bhubaneswar


BLOCK GIS DATABASE
JUNAGARH BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDARY
India
Orissa
Kalahandi District
Orissa
KBK Districts
Junagarh Block
R E F E R E N C E
Block Boundary
G.P. Boundary
Village Boundary
Kilometers
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Government of Orissa
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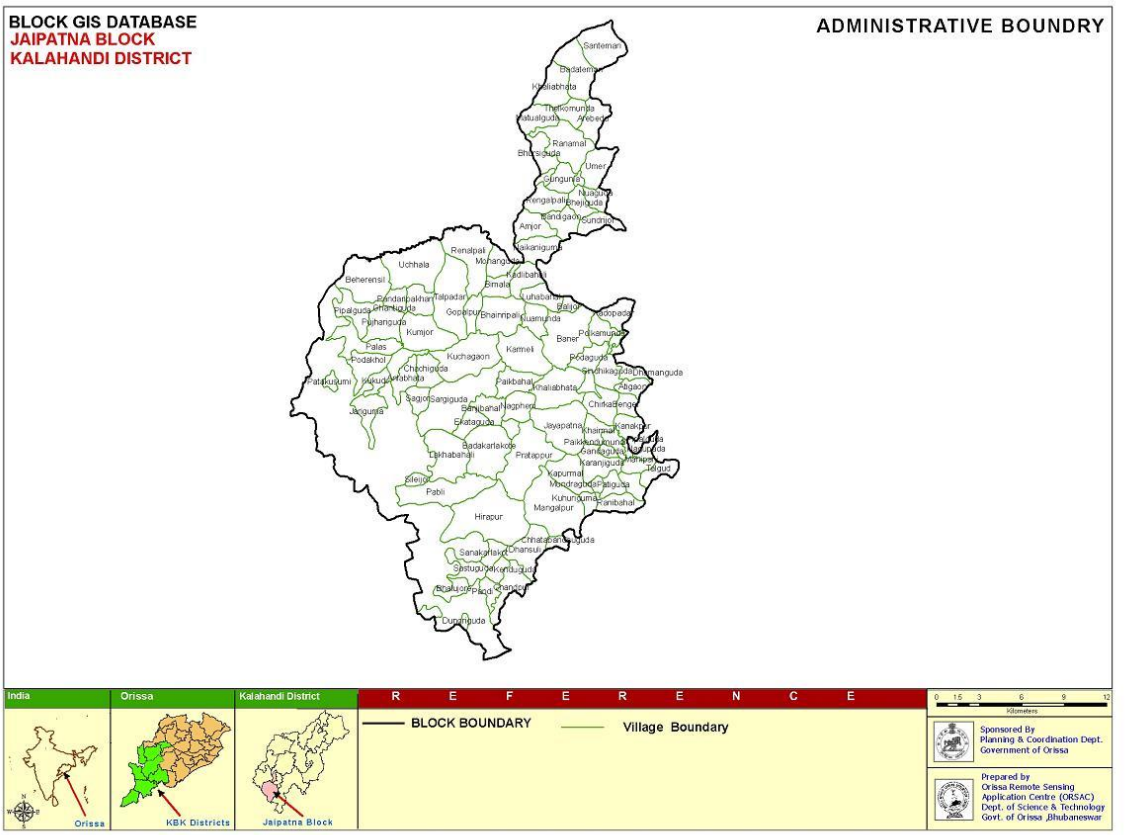
Dept. of Science & Technology
Govt. of Orissa ,Bhubaneswar


BLOCK GIS DATABASE
JAIPATNA BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDRY
India
Orissa
Kalahandi District
Orissa
KBK Districts
Jaipatna Block
R E F E R E N C E
BLOCK BOUNDARY
Village Boundary
Kilometers
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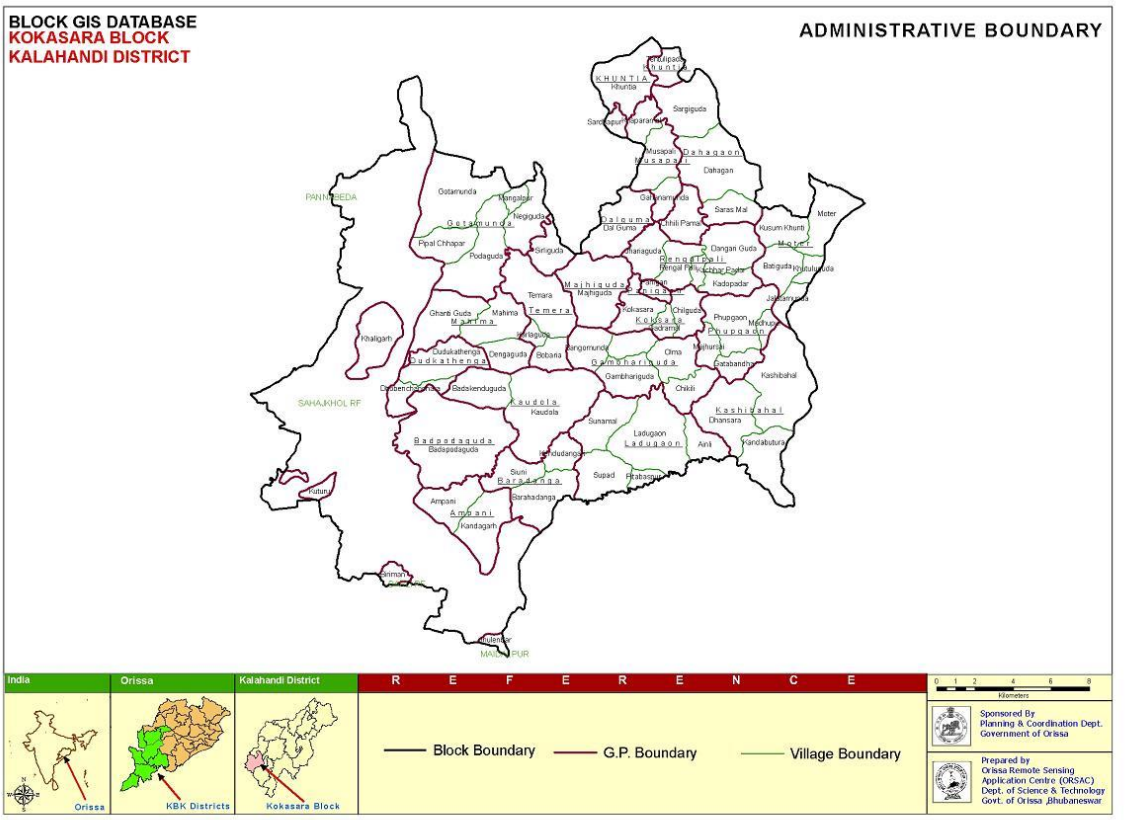
BLOCK GIS DATABASE
KOKASARA BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDARY
India
Orissa
Kalahandi District
R E F E R E N C E
Block Boundary
G.P. Boundary
Village Boundary
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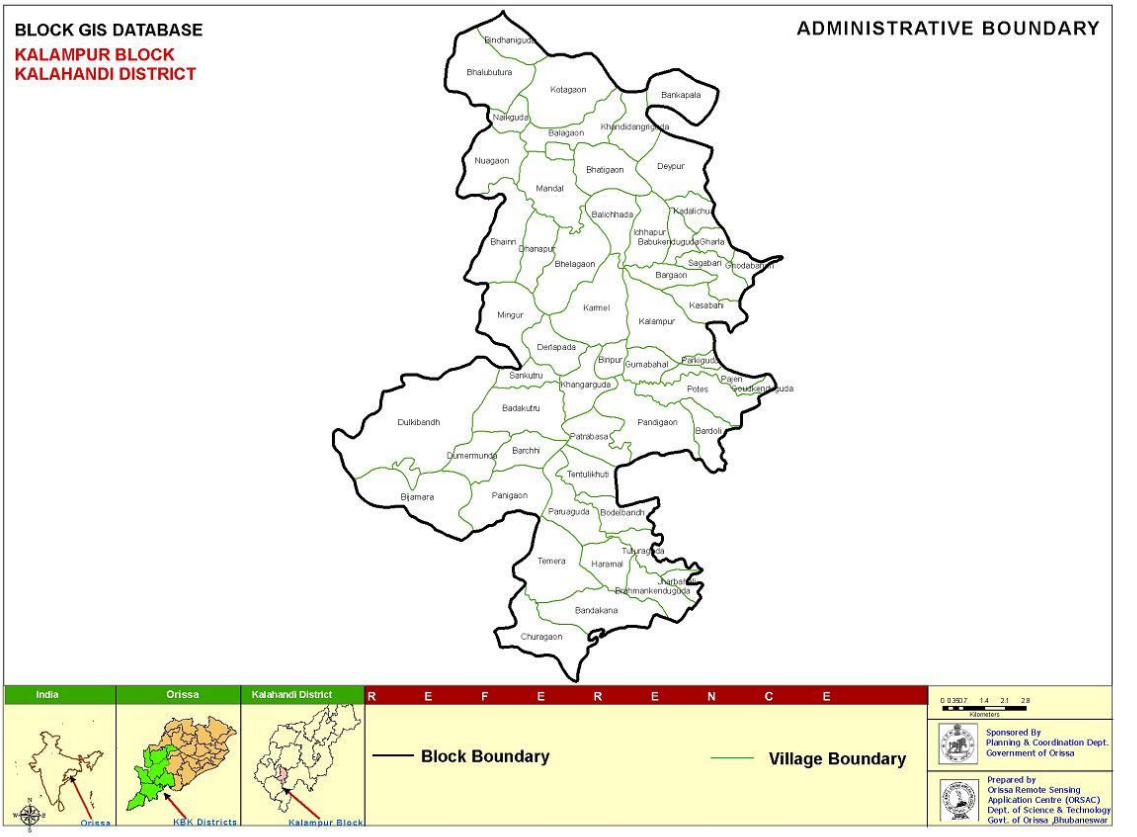
Dept. of Science & Technology
Govt. of Orissa ,Bhubaneswar


BLOCK GIS DATABASE
KALAMPUR BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDARY
India
Orissa
Kalahandi District
R E F E R E N C E
Block Boundary
Village Boundary
Sponsored By
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Government of Orissa
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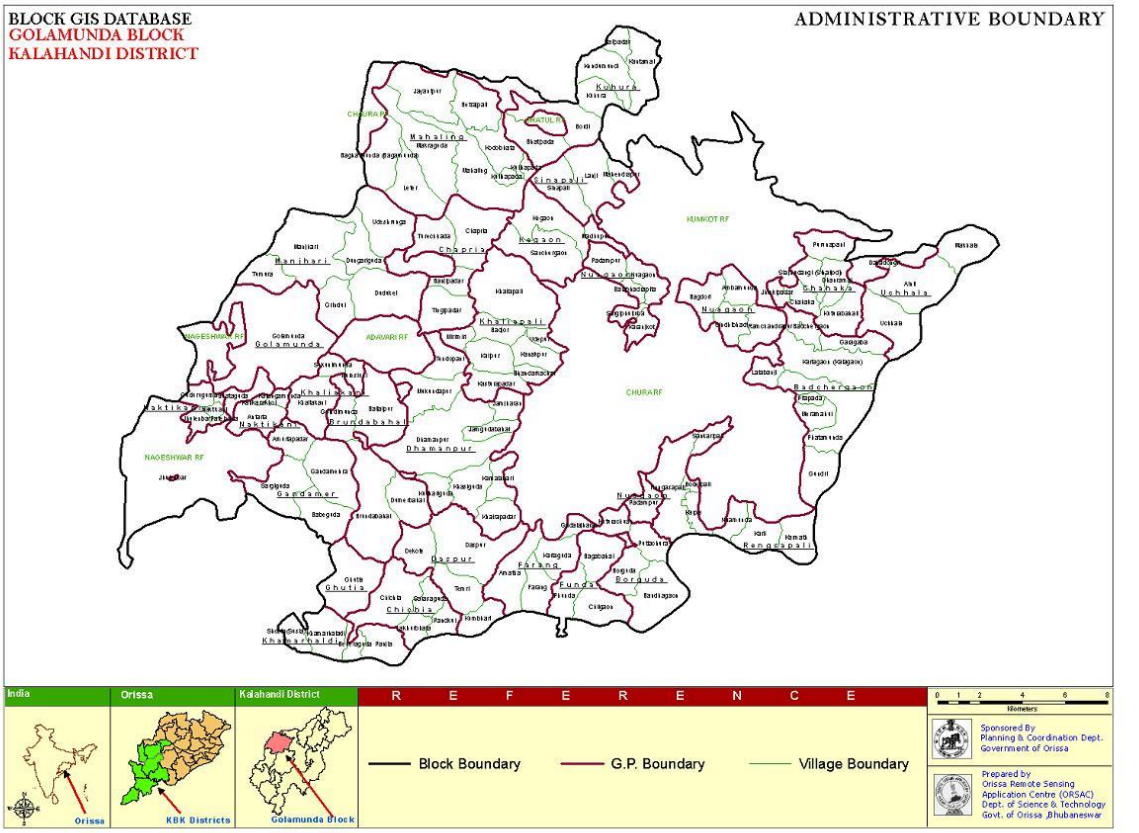
Application Centre (ORSAC)
Dept. of Science & Technology
Govt. of Orissa ,Bhubaneswar


BLOCK GIS DATABASE
GOLAMUNDA BLOCK
KALAHANDI DISTRICT
ADMINISTRATIVE BOUNDARY
India
Orissa
Kalahandi District
Golamunda Block
R E F E R E N C E
Block Boundary
G.P. Boundary
Village Boundary
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Government of Orissa
Prepared by
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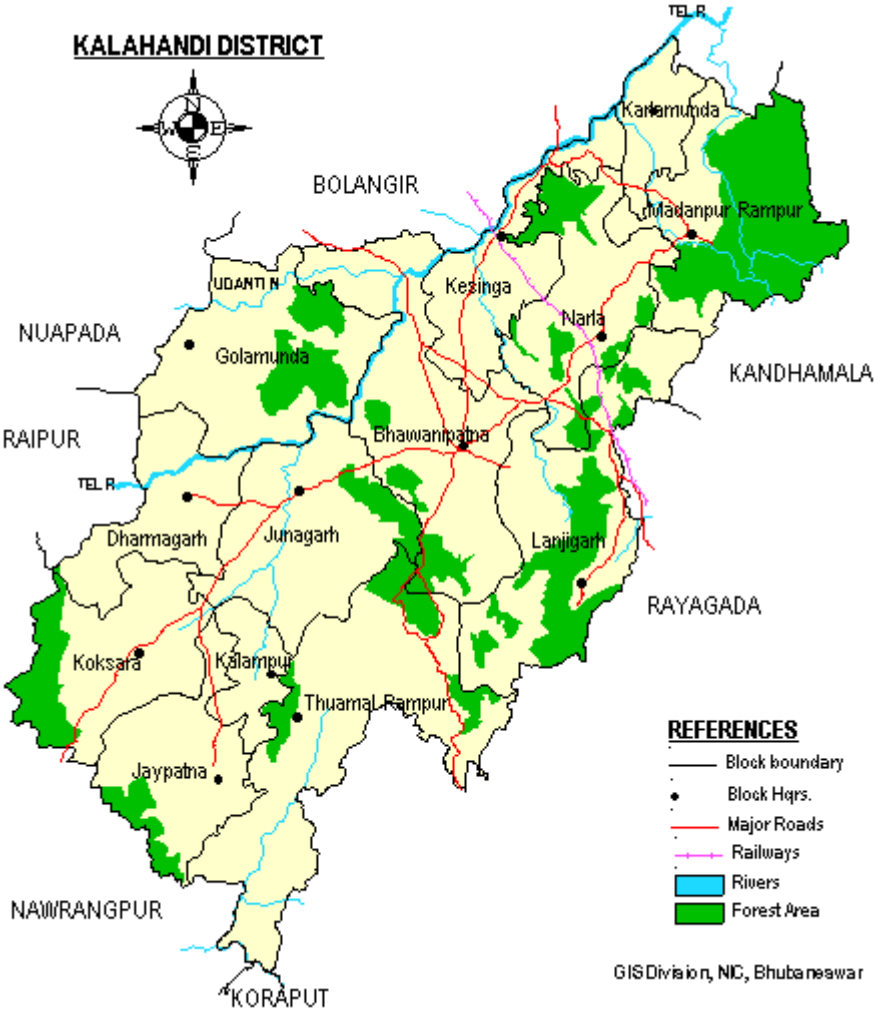
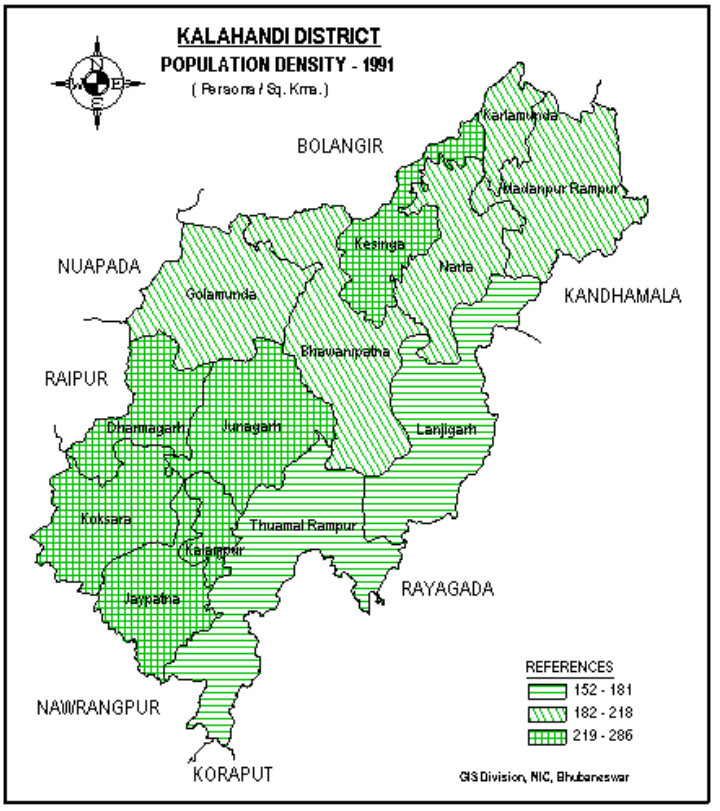
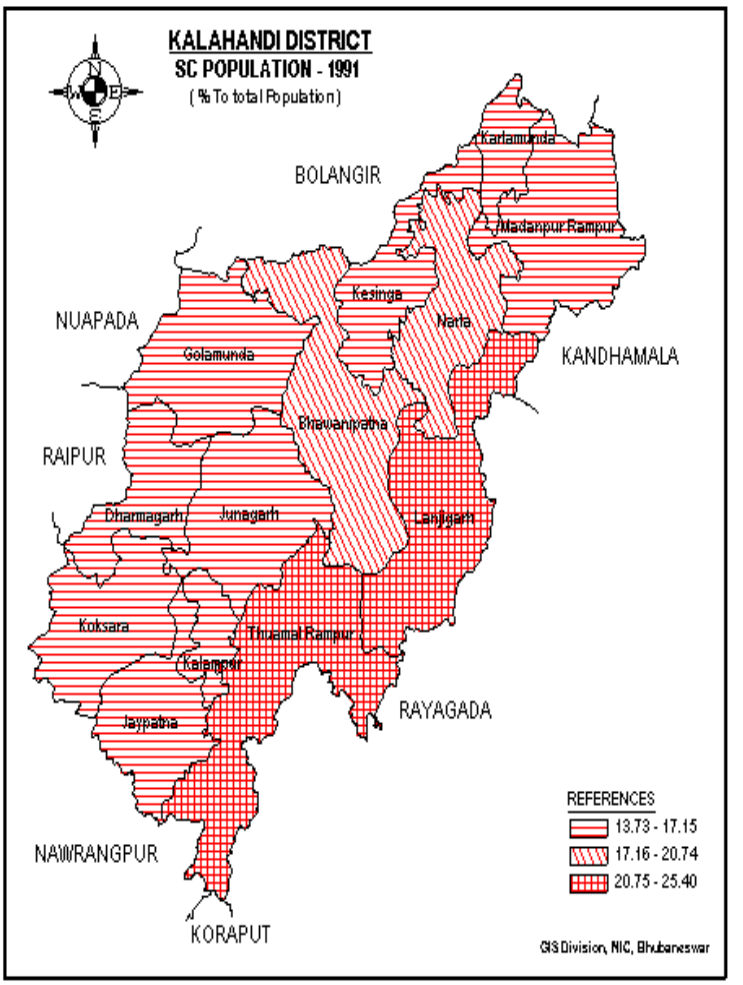
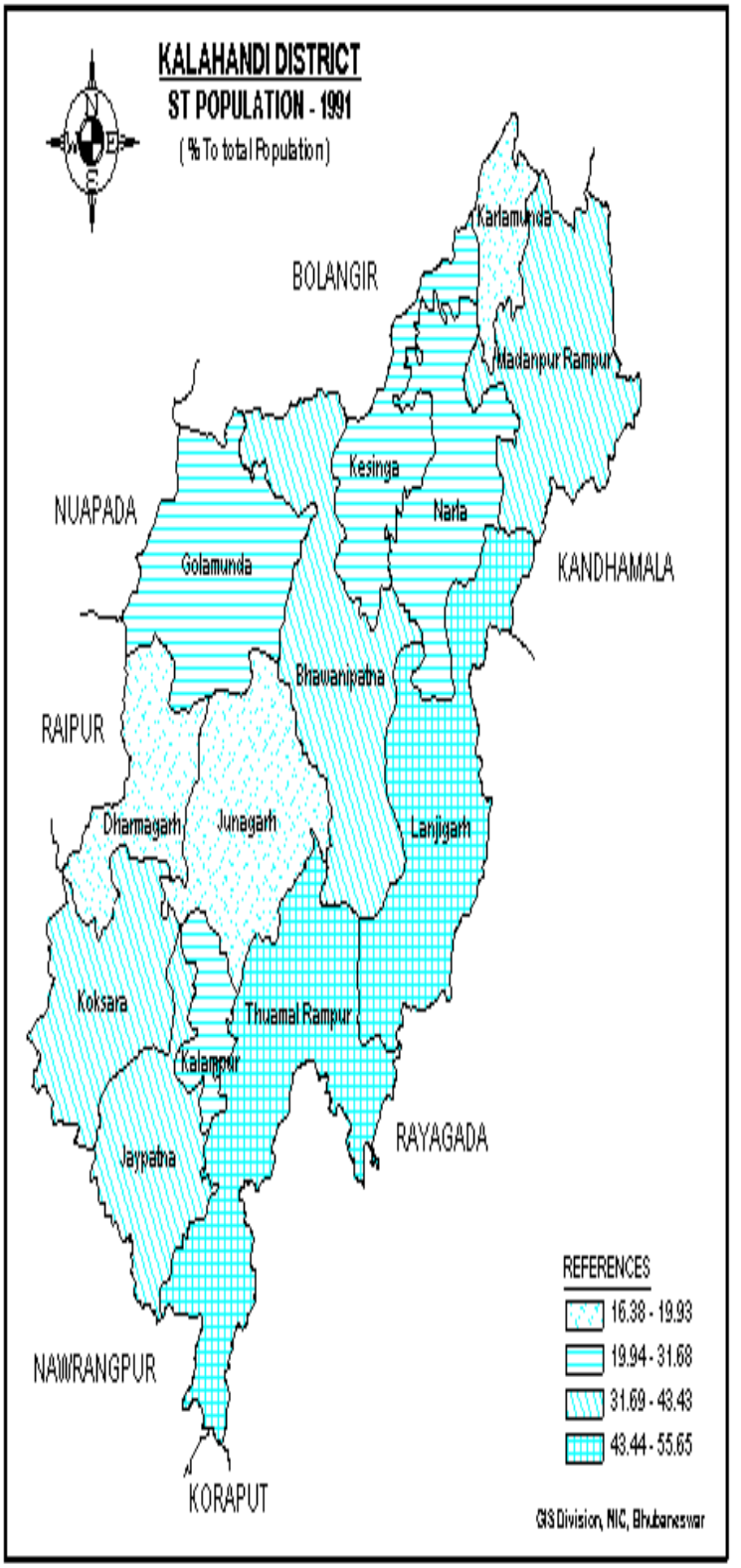
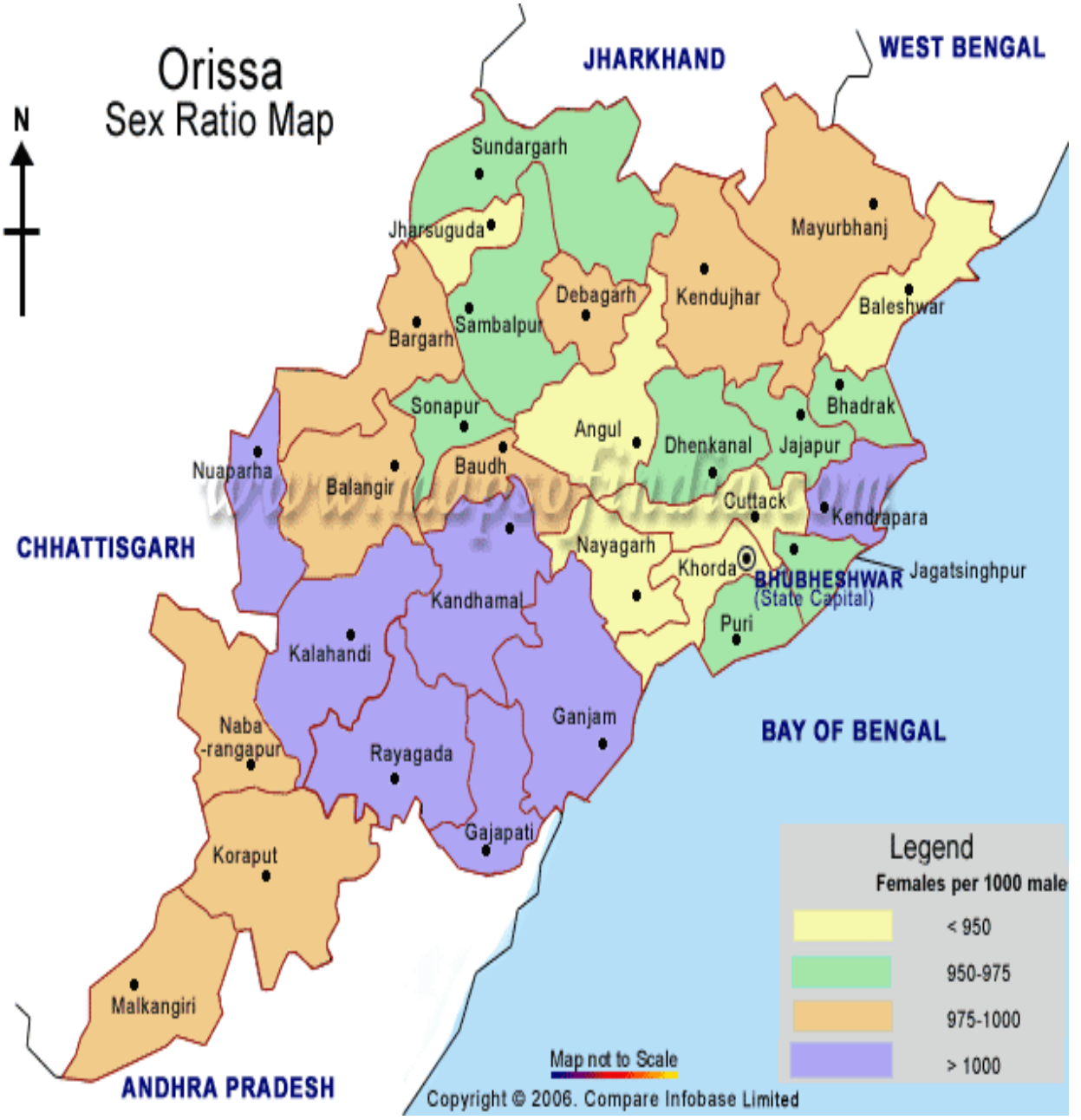
Application Centre (ORSAC)
Dept. of Science & Technology
Govt. of Orissa ,Bhubaneswar


KALAHANDI DISTRICT
BOLANGIR
NUAPADA
RAIPUR
KANDHAMALA
RAYAGADA
NAWRANGPUR
KORAPUT
TEL R
UDANTI N
Karlamunda
Madanpur Rampur
Kesinga
Narla
Golamunda
Bhawanipatna
Dharmagarh
Junagarh
Lanjigarh
Koksara
Kalampur
Thuamal Rampur
Jaypatna
REFERENCES
Block boundary
Block Hqrs.
Major Roads
Railways
Rivers
Forest Area
GIS Division, NIC, Bhubaneswar


KALAHANDI DISTRICT
POPULATION DENSITY - 1991
(Persons / Sq. Kms.)
BOLANGIR
NUAPADA
RAIPUR
KANDHAMALA
RAYAGADA
NAWRANGPUR
KORAPUT
Karlamunda
Madanpur Rampur
Kesinga
Narla
Golamunda
Bhawanipatna
Dharmagarh
Junagarh
Lanjigarh
Koksara
Thuamal Rampur
Kalampur
Jaypatna
REFERENCES
152 - 181
182 - 218
219 - 286
GIS Division, NIC, Bhubaneswar


KALAHANDI DISTRICT
SC POPULATION - 1991
(% To total Population)
BOLANGIR
NUAPADA
KANDHAMALA
RAIPUR
RAYAGADA
NAWRANGPUR
KORAPUT
Karlamunda
Madanpur Rampur
Kesinga
Narla
Golamunda
Bhawanipatna
Dharmagarh
Junagarh
Lanjigarh
Koksara
Thuamal Rampur
Kalampur
Jaypatna
REFERENCES
13.73 - 17.15
17.16 - 20.74
20.75 - 25.40
GIS Division, NIC, Bhubaneswar


KALAHANDI DISTRICT
ST POPULATION - 1991
(% To total Population)
BOLANGIR
Karlamunda
Madanpur Rampur
Kesinga
Narla
NUAPADA
Golamunda
KANDHAMALA
Bhawanipatna
RAIPUR
Dharmagarh
Junagarh
Lanjigarh
Koksara
Thuamal Rampur
Kalampur
RAYAGADA
Jaypatna
REFERENCES
16.38 - 19.93
19.94 - 31.68
31.69 - 43.43
43.44 - 55.65
NAWRANGPUR
KORAPUT
GIS Division, NIC, Bhubaneswar


Orissa
Sex Ratio Map
N
JHARKHAND
WEST BENGAL
CHHATTISGARH
ANDHRA PRADESH
BAY OF BENGAL
Sundargarh
Jharsuguda
Sambalpur
Debagarh
Kendujhar
Mayurbhanj
Baleshwar
Bargarh
Sonapur
Angul
Dhenkanal
Jajapur
Bhadrak
Nuaparha
Balangir
Baudh
Cuttack
Kendrapara
Nayagarh
Khorda
BHUBHESHWAR
(State Capital)
Jagatsinghpur
Puri
Kandhamal
Kalahandi
Ganjam
Naba
-rangapur
Rayagada
Gajapati
Koraput
Malkangiri
Legend
Females per 1000 male
< 950
950-975
975-1000
> 1000
Map not to Scale
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ORISSA (ODISHA)
AGRICULTURE
JHARKHAND
WEST BENGAL
CHHATTISGARH
ANDHRA PRADESH
TELANGANA
BAY OF BENGAL
N
Sarafgarh
Pitamahal
Upper Baitarani
Nischinta
Haldia
Baldiha
Lodani
Kasiabahal
Khuntakata
Reamal
Salandi
Hirakud
Balam
Ong Barrage
Rengali
Tikra
Bidyadharpur Barrage
Jharbandh
Dumar Bahal
Lower Suktet
Manojhor
Ramiala
Baitarani
Salipala
Salki Barrage
Sankhnai
Bidharpur
Upper Jonk
Lower Lanth
Chatra
Budhanadi
Daha
Bhagua
Satia
Sundar
Upper Udanti
Rushikulya
Dhane
Bhargabi
Upper Vamsadhara
Uttai Behera
Upper Nagavali
Bahuda
Bhaskel
Ramnadi
Makhya
Hatti Indravati
Telengiri
Putra
Kentageda
Mehendra Tanaya
Govind Palli
INDIA
LEGEND
Rice
Sugarcane
Jowar
Maize
Rice
Wheat
Potato
Sugarcane
Coconut
Groundnut
Map not to Scale
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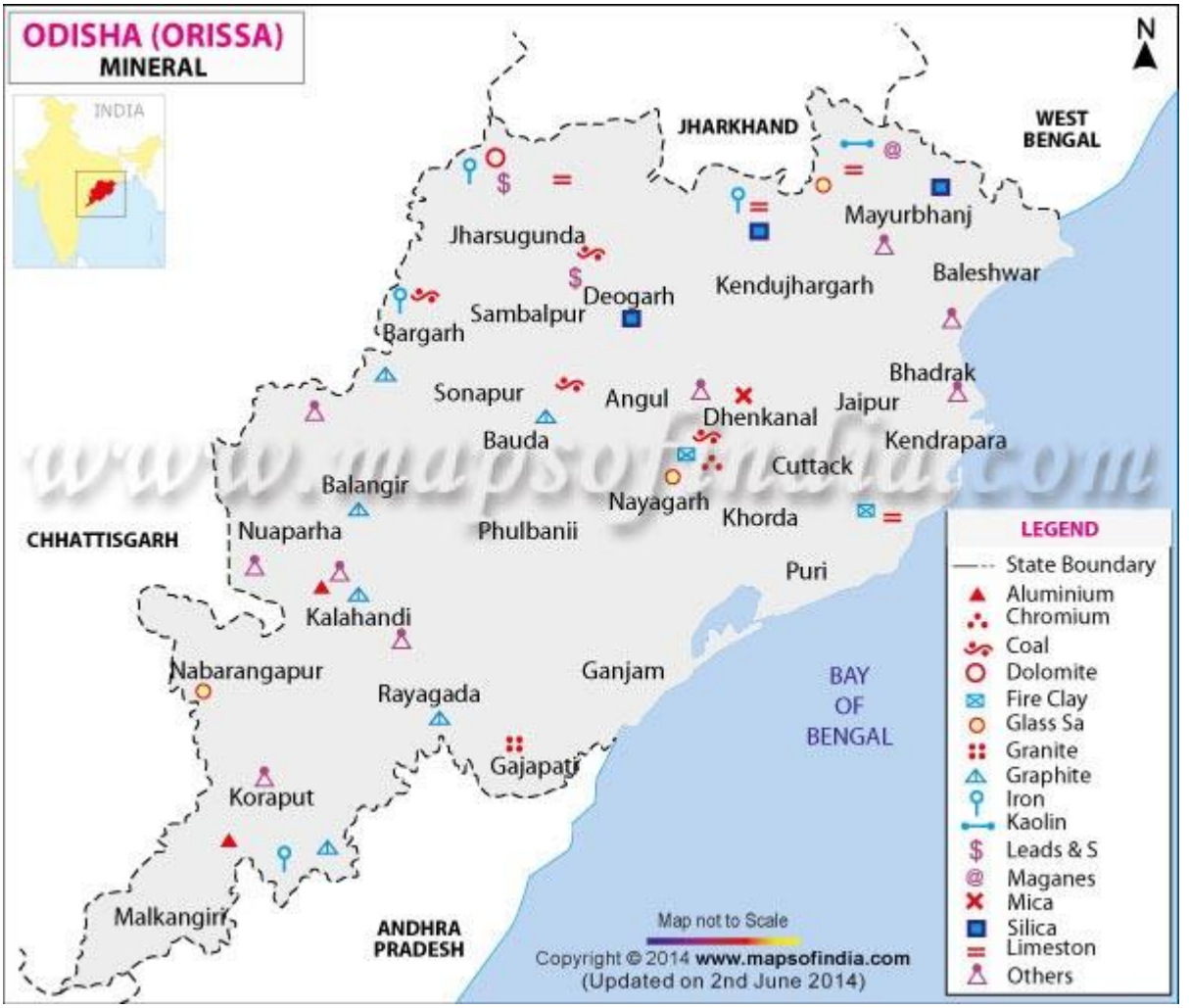
(Updated on 2nd June 2014)


ODISHA (ORISSA)
MINERAL
INDIA
N
JHARKHAND
WEST BENGAL
Jharsugunda
Deogarh
Sambalpur
Bargarh
Kendujhargarh
Mayurbhanj
Baleshwar
Bhadrak
Jaipur
Sonapur
Angul
Dhenkanal
Bauda
Kendrapara
Cuttack
Balangir
Nayagarh
Khorda
Nuaparha
Phulbanii
CHHATTISGARH
Puri
Kalahandi
Nabarangapur
Ganjam
Rayagada
Gajapati
BAY OF BENGAL
Koraput
Malkangiri
ANDHRA PRADESH
Map not to Scale
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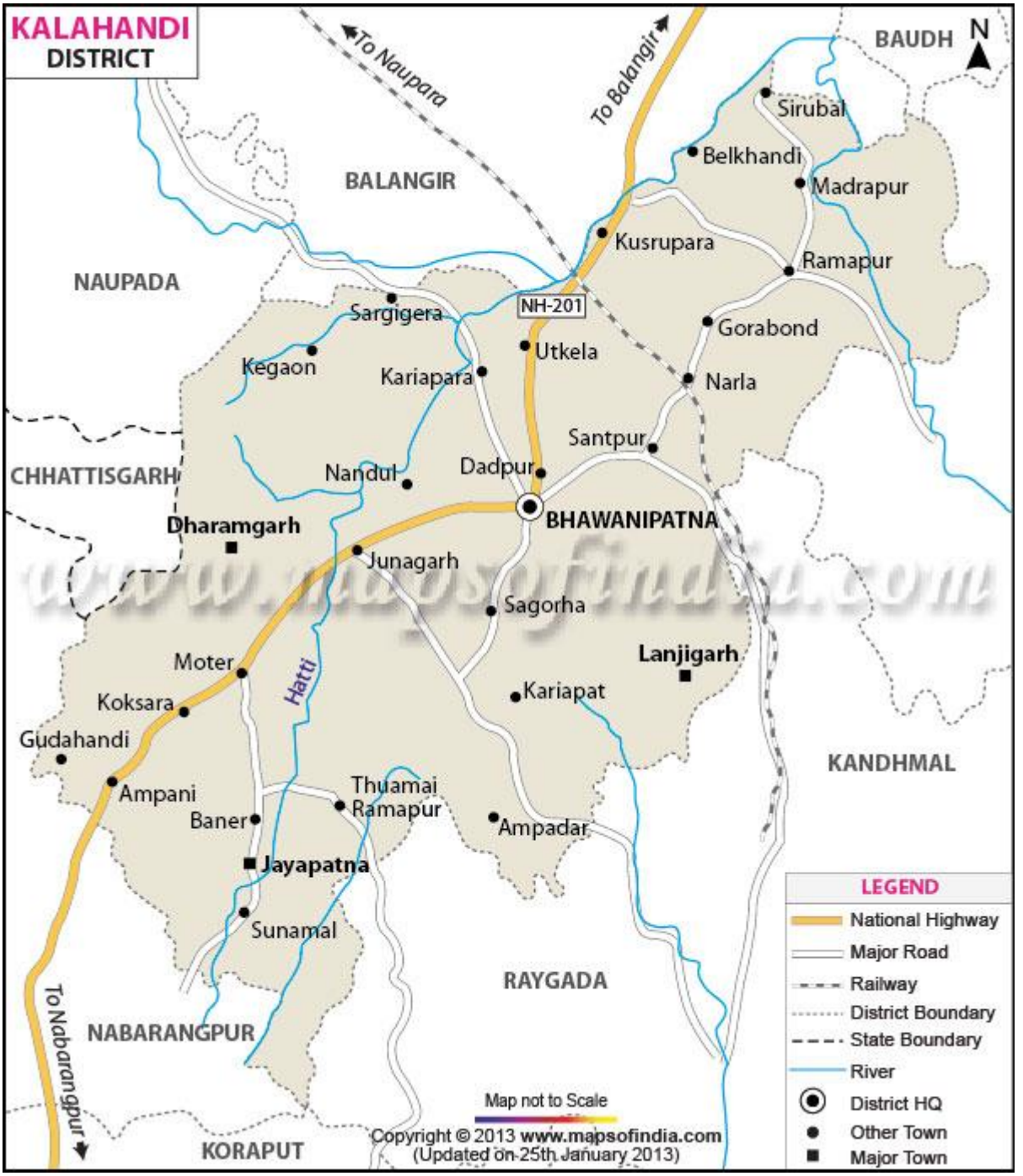
LEGEND
State Boundary
Aluminium
Chromium
Coal
Dolomite
Fire Clay
Glass Sa
Granite
Graphite
Iron
Kaolin
Leads & S
Maganes
Mica
Silica
Limeston
Others


KALAHANDI
DISTRICT
To Naupara
To Balangir
BAUDH
N
Sirubal
Belkhandi
Madrapur
BALANGIR
Kusrupara
Ramapur
NAUPADA
Sargigera
NH-201
Gorabond
Utkela
Kegaon
Kariapara
Narla
Santpur
CHHATTISGARH
Nandul
Dadpur
BHAWANIPATNA
Dharamgarh
Junagarh
Sagorha
Lanjigarh
Moter
Hatti
Kariapat
Koksara
Gudahandi
KANDHMAL
Ampani
Thuamai
Ramapur
Baner
Ampadar
Jayapatna
Sunamal
RAYGADA
To Nabarangpur
NABARANGPUR
KORAPUT
Map not to Scale
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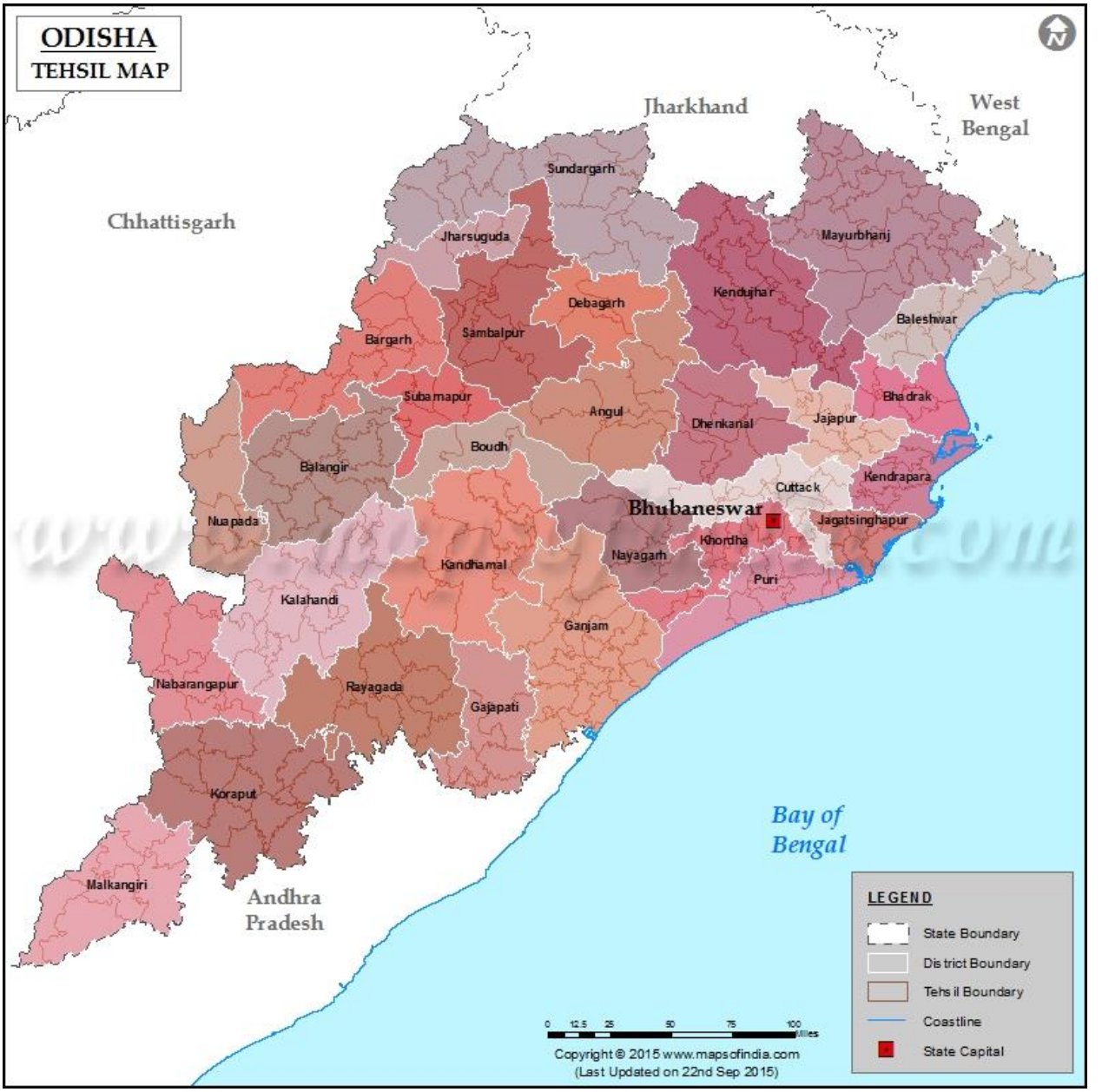
(Updated on 25th January 2013)
LEGEND
National Highway
Major Road
Railway
District Boundary
State Boundary
River
District HQ
Other Town
Major Town


ODISHA
TEHSIL MAP
Jharkhand
West Bengal
Chhattisgarh
Andhra Pradesh
Bay of Bengal
Sundargarh
Jharsuguda
Mayurbhanj
Kendujhar
Debagarh
Baleshwar
Sambalpur
Bargarh
Subarnapur
Bhadrak
Angul
Dhenkanal
Jajapur
Boudh
Balangir
Kendrapara
Cuttack
Bhubaneswar
Nuapada
Jagatsinghapur
Khordha
Nayagarh
Kandhamal
Puri
Kalahandi
Ganjam
Nabarangapur
Rayagada
Gajapati
Koraput
Malkangiri
LEGEND
State Boundary
District Boundary
Tehsil Boundary
Coastline
State Capital
0 12.5 25 50 75 100 Miles
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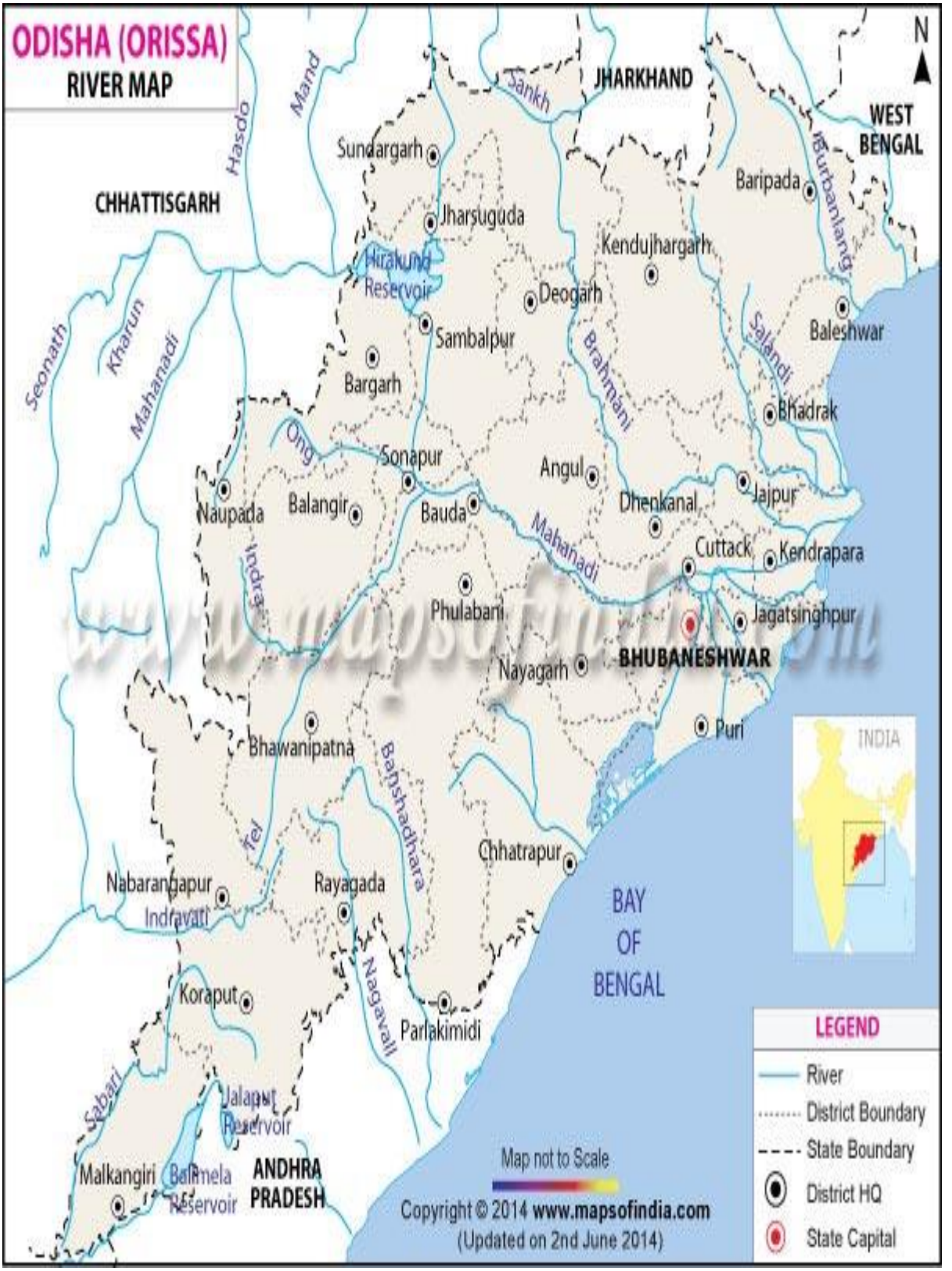
(Last Updated on 22nd Sep 2015)


ODISHA (ORISSA)
RIVER MAP
N
JHARKHAND
WEST BENGAL
CHHATTISGARH
Hasdo
Mand
Sankh
Sundargarh
Jharsuguda
Baripada
Burabalang
Kendujhargarh
Hirakund Reservoir
Deogarh
Sambalpur
Baleshwar
Seonath
Kharun
Mahanadi
Brahmani
Salandi
Bargarh
Bhadrak
Ong
Sonapur
Angul
Jajpur
Naupada
Balangir
Bauda
Dhenkanal
Mahanadi
Cuttack
Kendrapara
Indravati
Phulabani
Jagatsinghpur
BHUBANESHWAR
Nayagarh
Puri
Bhawanipatna
Bansadhara
Kel
Chhatrapur
Nabarangapur
Rayagada
Indravati
BAY OF BENGAL
Koraput
Nagavali
Parlakimidi
Sabari
Jalaput Reservoir
Malkangiri
Balimela Reservoir
ANDHRA PRADESH
Map not to Scale
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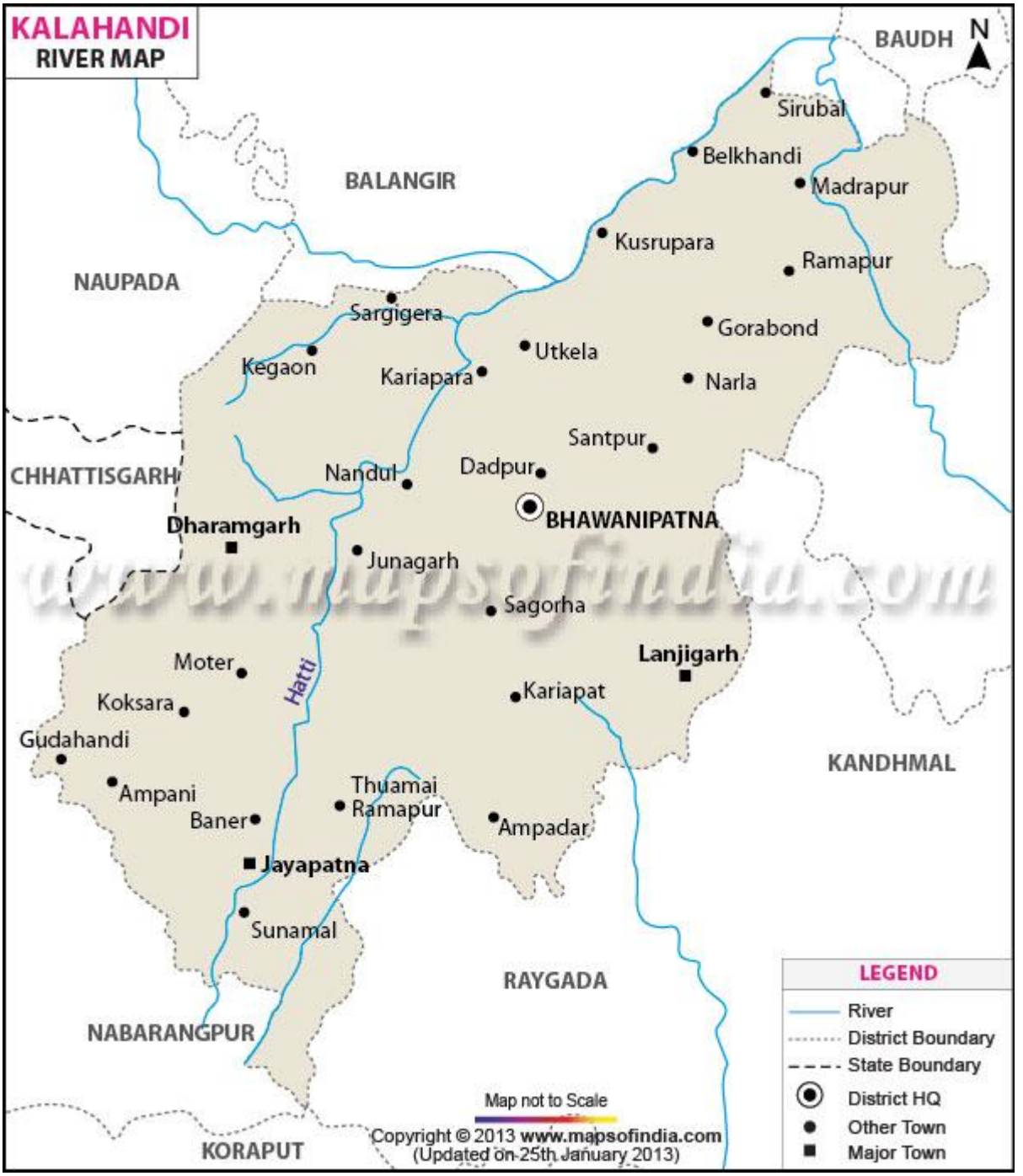
INDIA
LEGEND
River
District Boundary
State Boundary
District HQ
State Capital


KALAHANDI
RIVER MAP
N
BAUDH
Sirubal
Belkhandi
Madrapur
BALANGIR
Kusrupara
Ramapur
NAUPADA
Sargigera
Gorabond
Utkela
Kegaon
Kariapara
Narla
Santpur
CHHATTISGARH
Nandul
Dadpur
BHAWANIPATNA
Dharamgarh
Junagarh
Sagorha
Lanjigarh
Moter
Hatti
Kariapat
Koksara
Gudahandi
KANDHMAL
Ampani
Thuamai
Ramapur
Baner
Ampadar
Jayapatna
Sunamal
RAYGADA
NABARANGPUR
KORAPUT
Map not to Scale
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(Updated on 25th January 2013)
LEGEND
River
District Boundary
State Boundary
District HQ
Other Town
Major Town


KALAHANDI
RAILWAY MAP
N
BAUDH
Sirubal
Belkhandi
Madrapur
BALANGIR
Kusrupara
Ramapur
NAUPADA
Sargigera
Gorabond
Utkela
Kegaon
Kariapara
Narla
Santpur
CHHATTISGARH
Nandul
Dadpur
BHAWANIPATNA
Dharamgarh
Junagarh
Sagorha
Lanjigarh
Moter
Kariapat
Koksara
Gudahandi
KANDHMAL
Ampani
Thuamai
Ramapur
Baner
Ampadar
Jayapatna
Sunamal
RAYGADA
NABARANGPUR
KORAPUT
Map not to Scale
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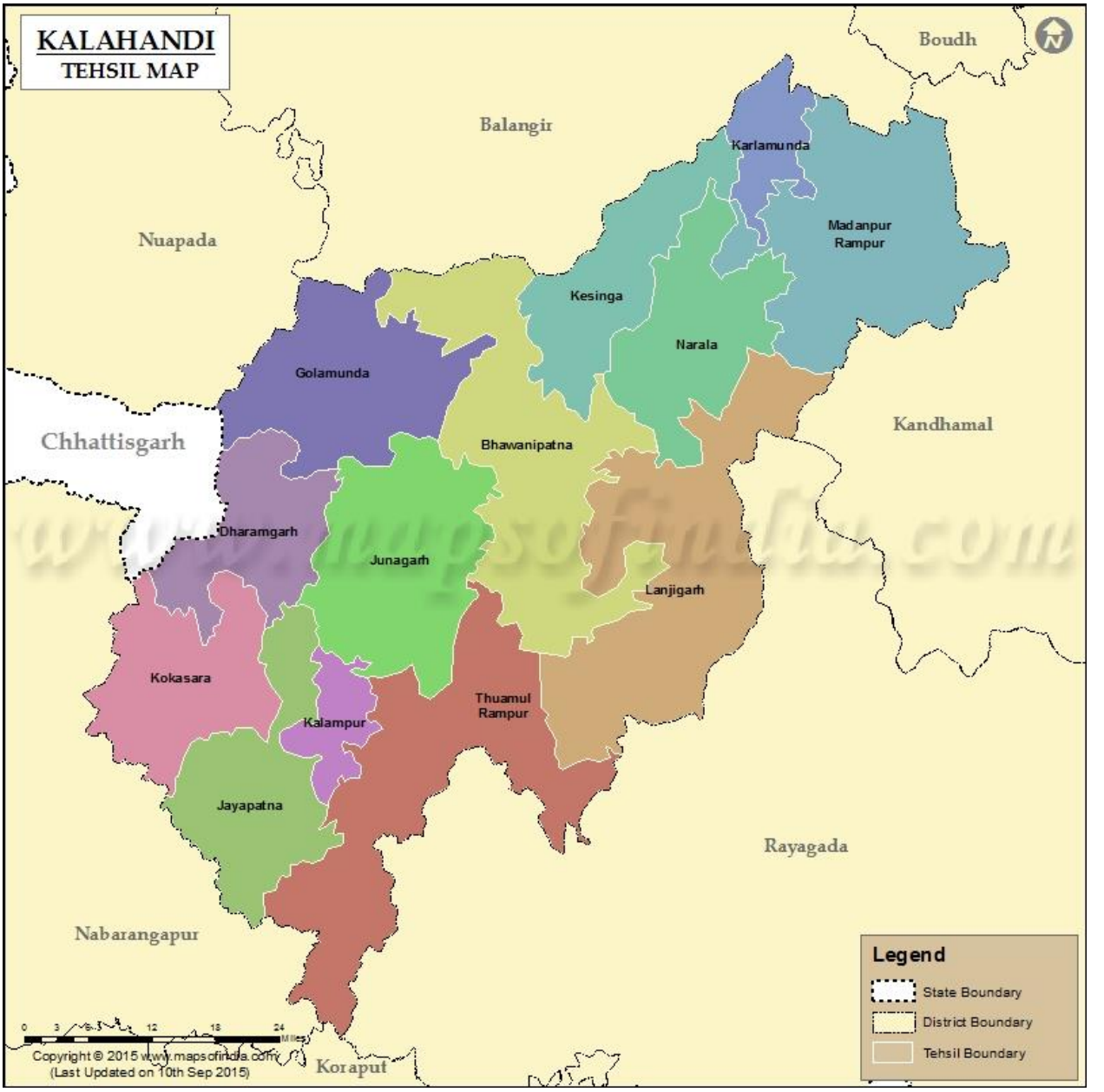
(Updated on 25th January 2013)
LEGEND
Railway
District Boundary
State Boundary
District HQ
Other Town
Major Town


KALAHANDI
TEHSIL MAP
Boudh
Balangir
Karlamunda
Madanpur Rampur
Nuapada
Kesinga
Narala
Golamunda
Kandhamal
Chhattisgarh
Bhawanipatna
Dharamgarh
Junagarh
Lanjigarh
Kokasara
Thuamul Rampur
Kalampur
Jayapatna
Rayagada
Nabarangapur
Koraput
Legend
State Boundary
District Boundary
Tehsil Boundary
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(Last Updated on 10th Sep 2015)



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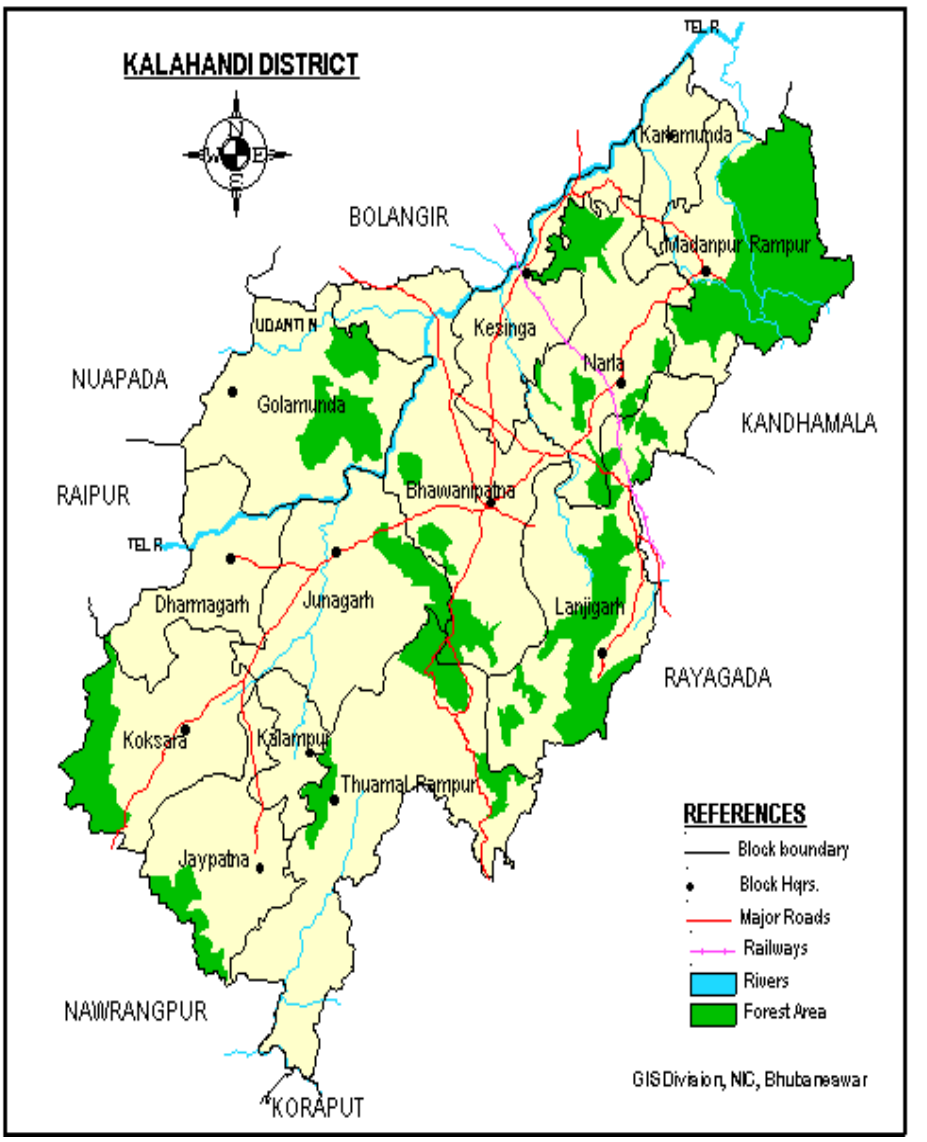
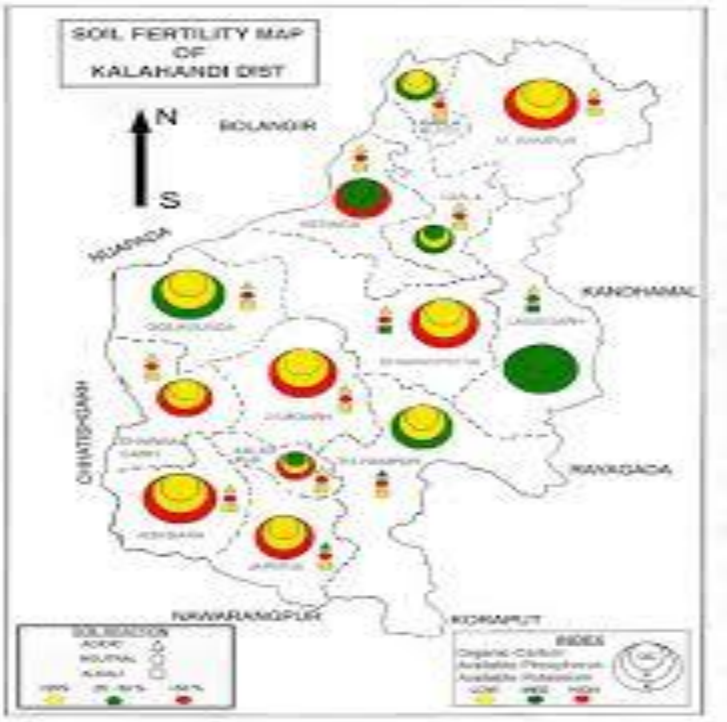
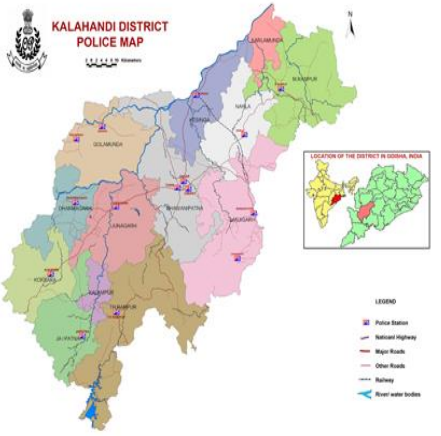

KALAHANDI DISTRICT
N
W
E
S
BOLANGIR
TEL R
Karlamunda
Madanpur Rampur
UDANTI N
Kesinga
Narla
NUAPADA
Golamunda
KANDHAMALA
RAIPUR
Bhawanipatna
TEL R
Dharmagarh
Junagarh
Lanjigarh
RAYAGADA
Koksara
Kalampur
Thuamal Rampur
Jaypatna
NAWRANGPUR
KORAPUT
REFERENCES
Block boundary
Block Hqrs.
Major Roads
Railways
Rivers
Forest Area
GIS Division, NIC, Bhubaneswar

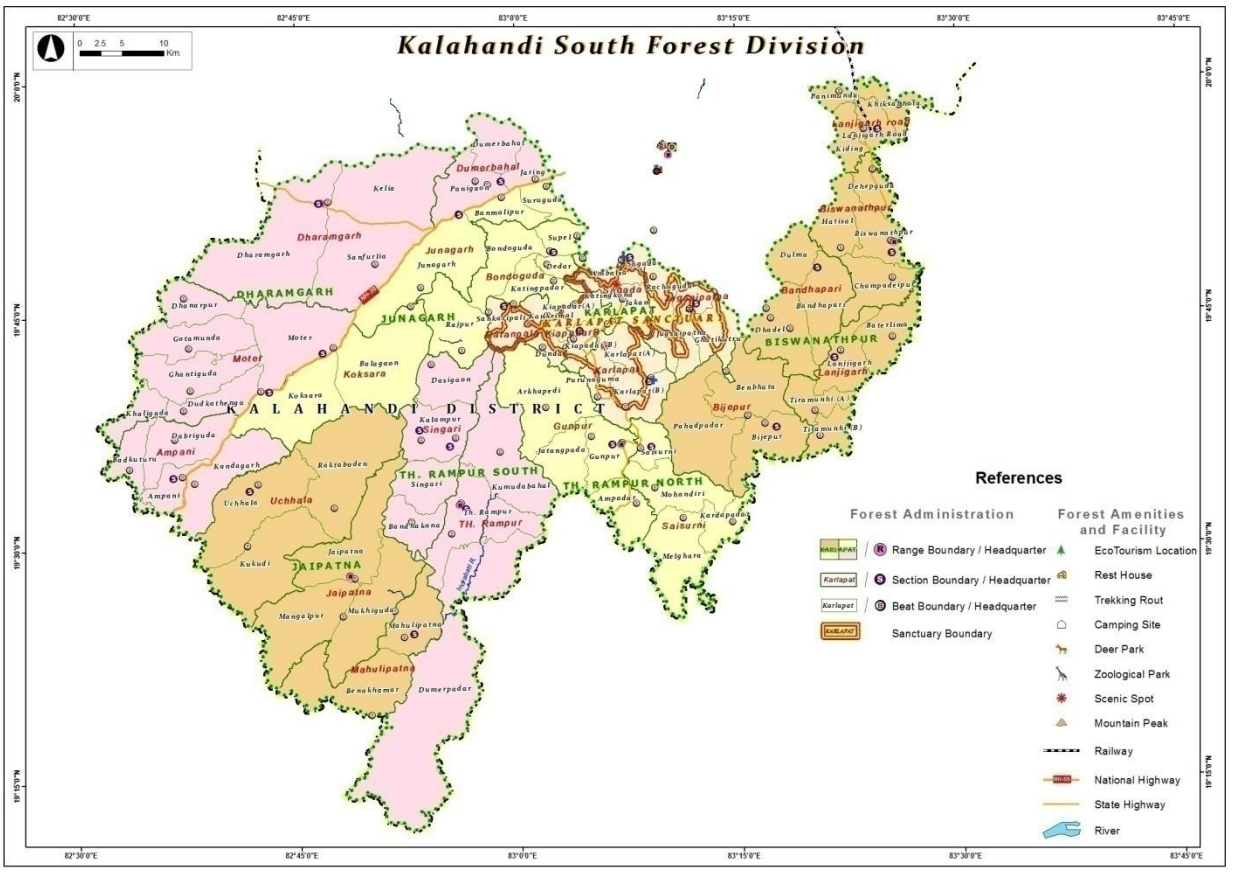
80- BHAWANIPATNA (SC)



DISTRICT ELECTION OFFICER
KALAHANDI


SOIL FERTILITY MAP
OF
KALAHANDI DIST
N
S
BOLANGIR
NUAPADA
KANDHAMAL
CHHATTISGARH
RAYAGADA
NAWARANGPUR
KORAPUT


KALAHANDI DISTRICT
POLICE MAP
LEGEND
Police Station
National Highway
Major Roads
Other Roads
Railway
River/ water bodies


Kalahandi South Forest Division
KALAHANDI DISTRICT
DHARAMGARH
JUNAGARH
KARLAPAT
KARLAPAT SANCTUARY
BISWANATHPUR
TH. RAMPUR SOUTH
TH. RAMPUR NORTH
JAIPATNA
Dharamgarh
Junagarh
Bondoguda
Dumerbahal
Koksara
Singari
Uchhala
Jaipatna
Mahulipatna
Bandhapari
Lanjigarh
Bijepur
Saisurni
Gunpur
Karlapat
Lanjigarh road
Biswanathpur
References
Forest Administration
Range Boundary / Headquarter
Section Boundary / Headquarter
Beat Boundary / Headquarter
Sanctuary Boundary
Forest Amenities and Facility
EcoTourism Location
Rest House
Trekking Rout
Camping Site
Deer Park
Zoological Park
Scenic Spot
Mountain Peak
Railway
National Highway
State Highway
River


Railway Line in Kalahandi Lok Sabha Constituency (proposed)
Nuwapara road
Kantabanji
BALANGIR
R3
R1
R2
ISGARH
Lanjigarh road
Dharamgarh
Bhawanipatna
Lanjigarh
Jayapatna
RAYAGADA
JAPUR
Bahalangpur
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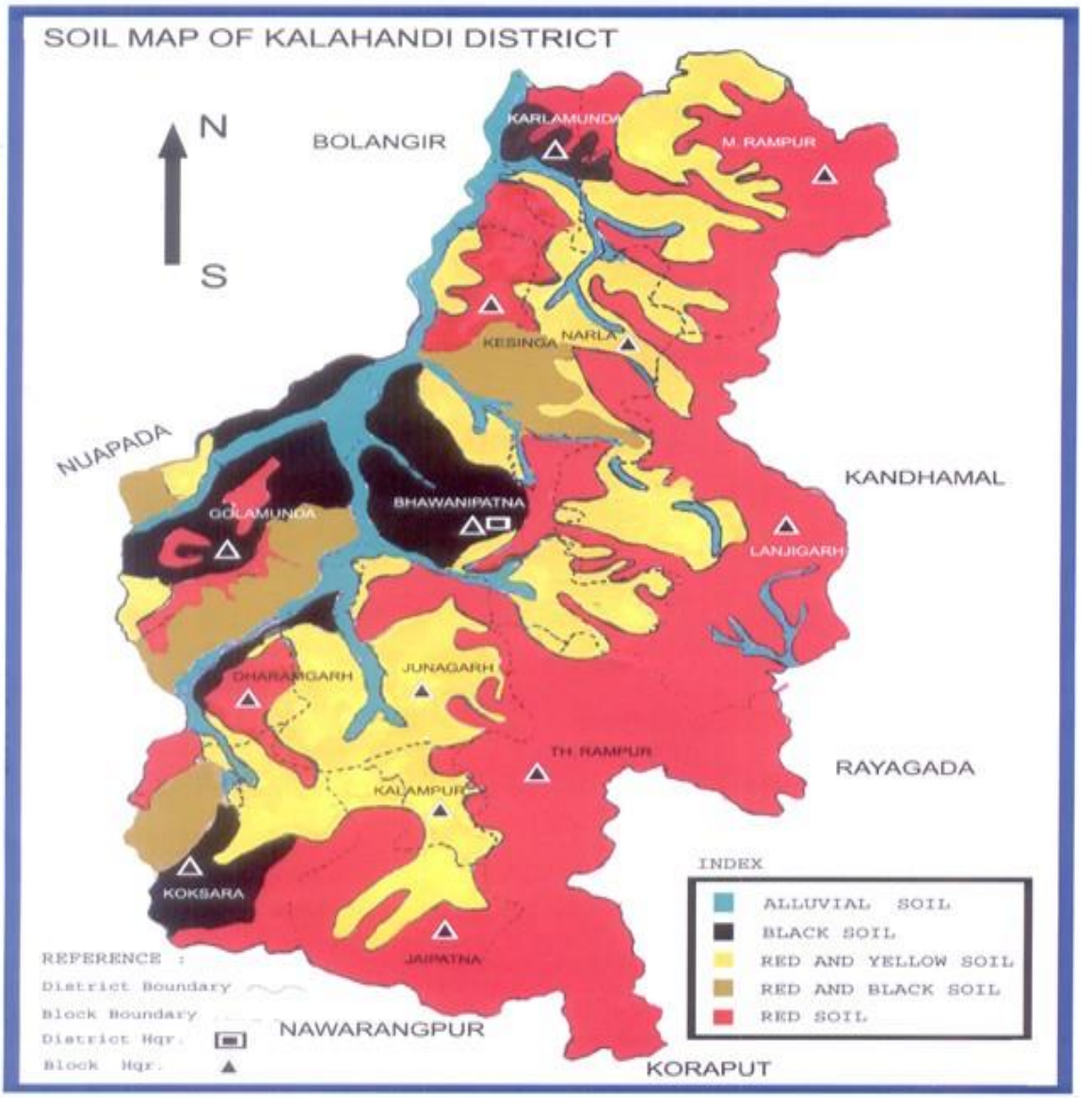
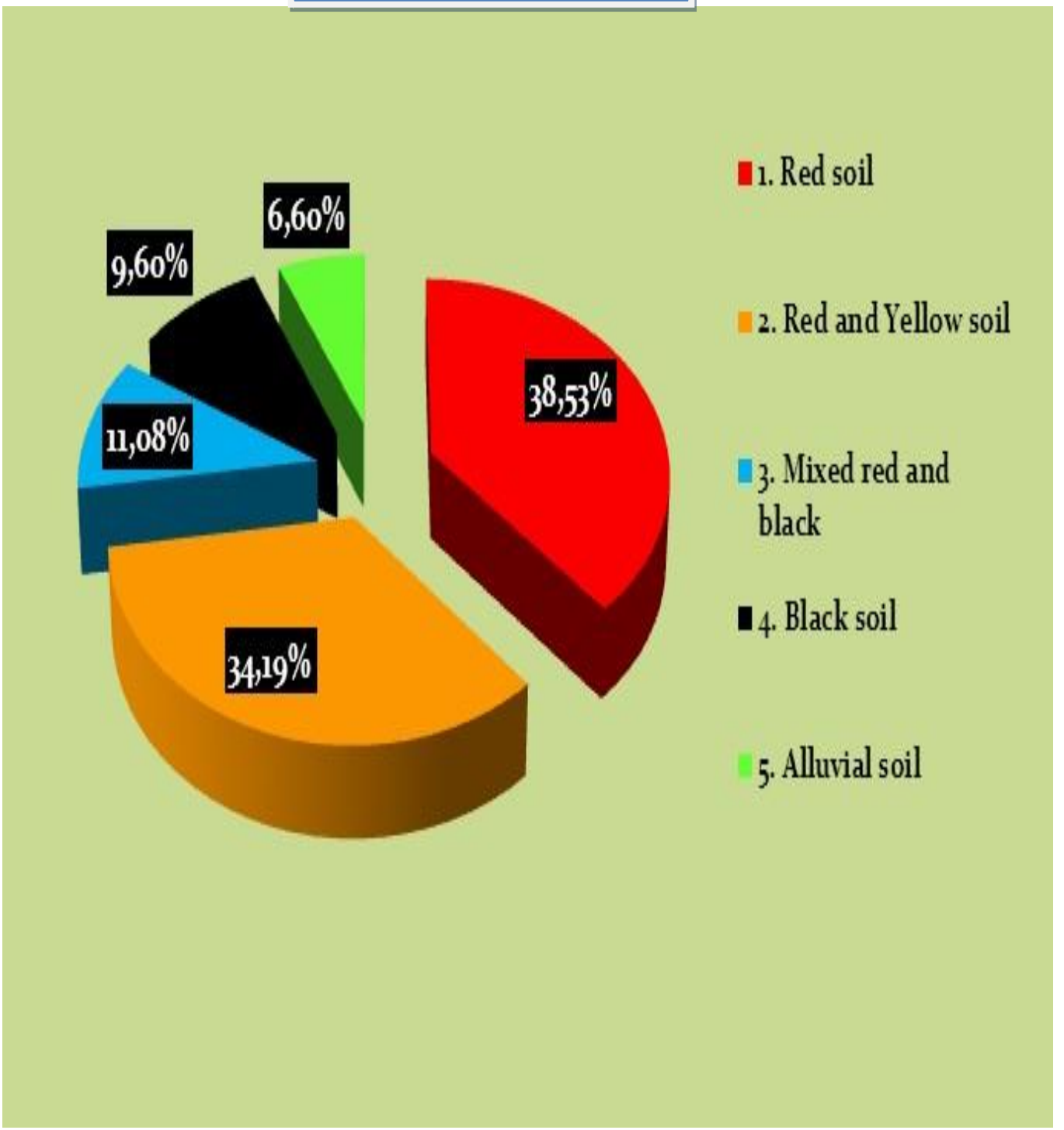
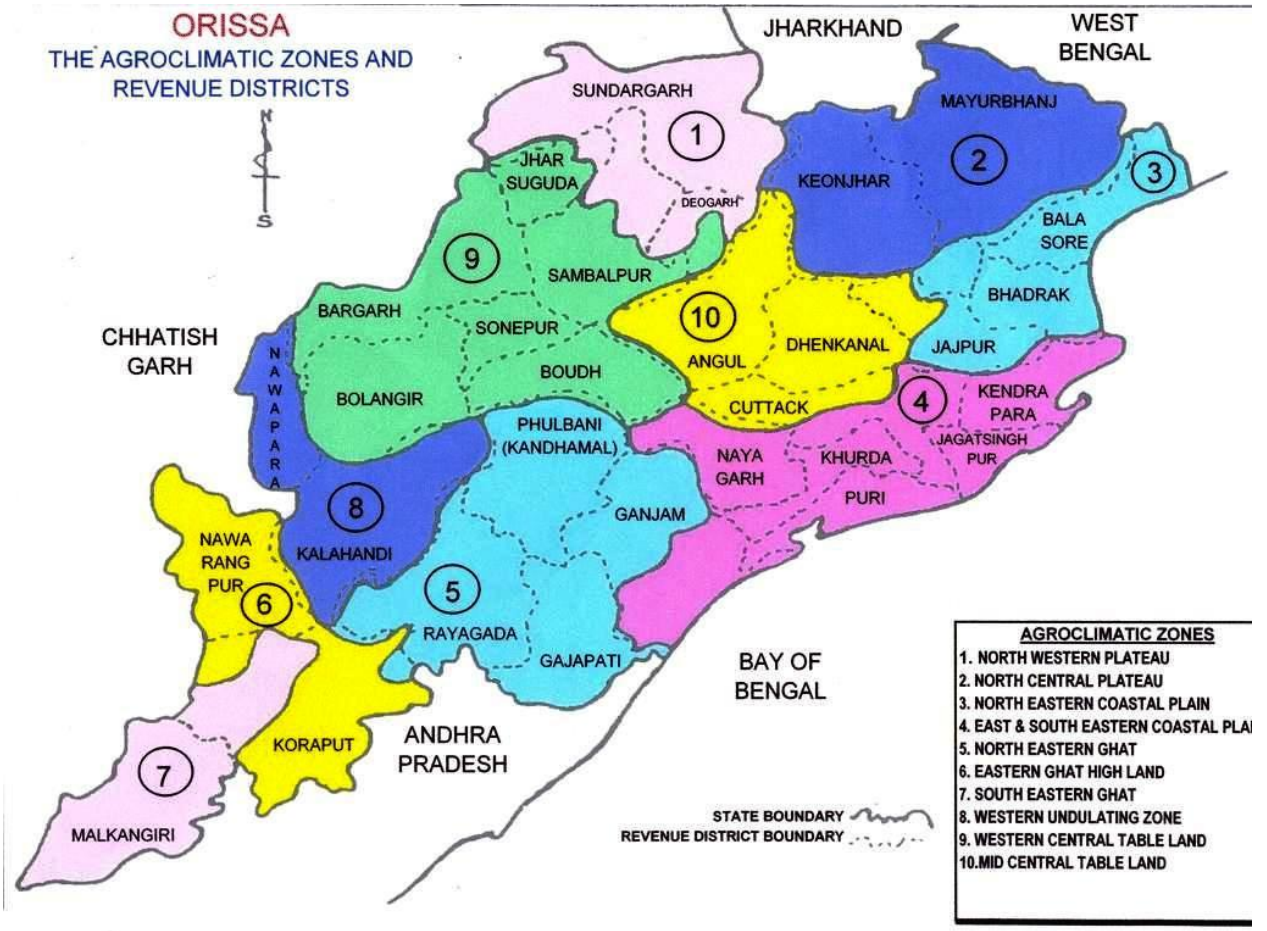

SOIL MAP OF KALAHANDI DISTRICT
N
S
BOLANGIR
KARLAMUNDA
M. RAMPUR
KESINGA
NARLA
NUAPADA
KANDHAMAL
GOLAMUNDA
BHAWANIPATNA
LANJIGARH
DHARAMGARH
JUNAGARH
TH. RAMPUR
RAYAGADA
KALAMPUR
KOKSARA
JAIPATNA
NAWARANGPUR
KORAPUT
INDEX
ALLUVIAL SOIL
BLACK SOIL
RED AND YELLOW SOIL
RED AND BLACK SOIL
RED SOIL
REPERENCE :
District Boundary
Block Boundary
District Hqr.
Block Hqr.


6,60%
9,60%
11,08%
38,53%
34,19%
1. Red soil
2. Red and Yellow soil
3. Mixed red and black
4. Black soil
5. Alluvial soil


ORISSA
THE AGROCLIMATIC ZONES AND REVENUE DISTRICTS
JHARKHAND
WEST BENGAL
CHHATISH GARH
ANDHRA PRADESH
BAY OF BENGAL
SUNDARGARH
DEOGARH
JHAR SUGUDA
SAMBALPUR
BARGARH
SONEPUR
BOLANGIR
NAWAPARA
BOUDH
MAYURBHANJ
KEONJHAR
BALA SORE
BHADRAK
JAJPUR
DHENKANAL
ANGUL
CUTTACK
KENDRA PARA
JAGATSINGH PUR
PURI
KHURDA
NAYA GARH
PHULBANI (KANDHAMAL)
GANJAM
KALAHANDI
NAWA RANG PUR
RAYAGADA
GAJAPATI
KORAPUT
MALKANGIRI
1
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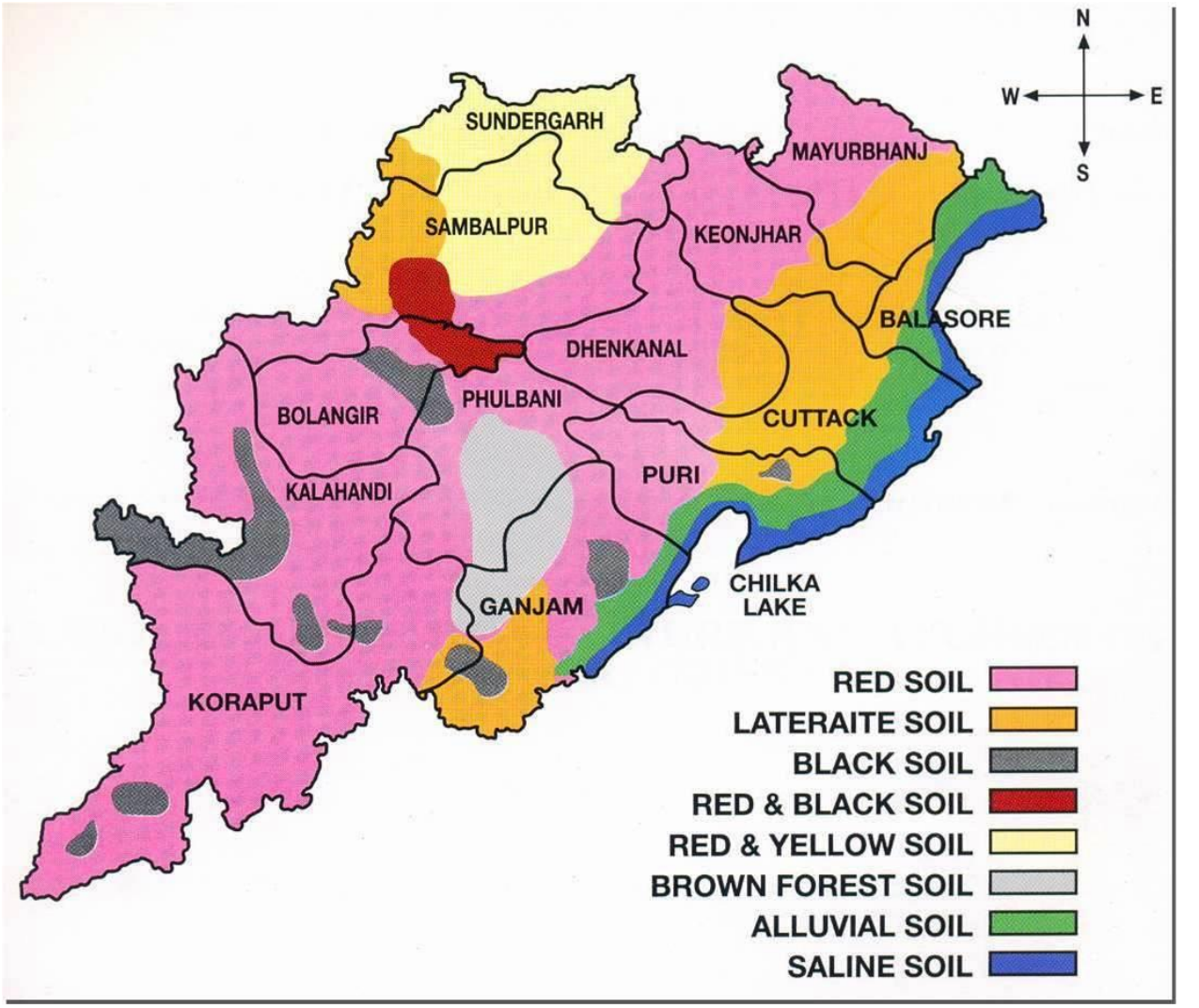
9
10
STATE BOUNDARY
REVENUE DISTRICT BOUNDARY
AGROCLIMATIC ZONES
1. NORTH WESTERN PLATEAU
2. NORTH CENTRAL PLATEAU
3. NORTH EASTERN COASTAL PLAIN
4. EAST & SOUTH EASTERN COASTAL PLA
5. NORTH EASTERN GHAT
6. EASTERN GHAT HIGH LAND
7. SOUTH EASTERN GHAT
8. WESTERN UNDULATING ZONE
9. WESTERN CENTRAL TABLE LAND
10.MID CENTRAL TABLE LAND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MAYURBHANJ
SAMBALPUR
KEONJHAR
BALASORE
DHENKANAL
PHULBANI
BOLANGIR
CUTTACK
PURI
KALAHANDI
CHILKA LAKE
GANJAM
KORAPUT
RED SOIL
LATERAITE SOIL
BLACK SOIL
RED & BLACK SOIL
RED & YELLOW SOIL
BROWN FOREST SOIL
ALLUVIAL SOIL
SALINE SOIL

6. India Disaster Resource Network (IDRN)

DEPARTMENT WISE QUERY RESULT - COUNTRY WIDE

DM NAME: Dr Gavali Parag Harshad
Contact Tel Nos.:06670230233,06670230201

CDMO

SRL. NO	ITEM DESCRIPTION	DEPARTMENT & CONTACT ADDR	QUANTITY,LOCATION& SOURCE
1	ITEM Name:Stretcher normal DESCRIPTION:FOR USING MEDICAL PURPOSES	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-350NosSOURCE:Govt LOCATION:ALL PHC & CHC & DISTRICT HEAD QUARTER KALAHANDI DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
2	ITEM Name:First aid kits DESCRIPTION:FOR MEDICAL PURPOSES	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-50NosSOURCE:Govt LOCATION:ALL CHC & PHC & DISTRICT HEADQUARTERS DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
3	ITEM Name:CT scan DESCRIPTION:FOR MEDICAL PURPOSES	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICALOFFICER TELEPHONE:06670233761,	QUANTITY-1NosSOURCE:Govt LOCATION:DISTRICT HEADQUARTERS DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
4	ITEM Name:Portable oxygen cylinders DESCRIPTION:FOR MEDICAL PURPOSES	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-50NosSOURCE:Govt LOCATION:ALL CHC & PHC & DISTRICT HEAD QUARTER DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
5	ITEM Name:Portable x-rays DESCRIPTION:FOR MEDICAL PURPOSES	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-1NosSOURCE:Govt LOCATION:DISTRICT HEAD QUARTER DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
6	ITEM Name:Portable ECG DESCRIPTION:FOR MEDICAL PURPOSES	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:,	QUANTITY-1NosSOURCE:Govt LOCATION:AT DISTRICT HEADQUARTER DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
7	ITEM Name:Portable suction unit DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-15NosSOURCE:Govt LOCATION:DISTRICT HEADQUARTERS DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
8	ITEM Name:Mobile medical van DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-13NosSOURCE:Govt LOCATION:AT DISTRICT HEADQUARTERS & CHC & PHC DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
9	ITEM Name:Water filter DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-20NosSOURCE:Govt LOCATION:DISTRICT HEADQUARTERS & PHC, CHC DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
10	ITEM Name:Water tank DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-75NosSOURCE:Govt LOCATION:ALL PHC, CHC & DISTRICT HEADQUARTERS DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)

11	ITEM Name:Anti snake venom DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-500NosSOURCE:Govt LOCATION:DISTRICT HEADQUARTER & PHC, CHC DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
12	ITEM Name:Chlorine tablets DESCRIPTION:FOR MEDICAL PURPOSES	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-500KgSOURCE:Govt LOCATION:ALL CHC & PHC, DISTRICT HEADQUARTERS DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
13	ITEM Name:Halogen tablets DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-200000NosSOURCE:Govt LOCATION:ALL CHC & PHC, DISTRICT HEADQUARTERS DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
14	ITEM Name:General physician DESCRIPTION:FOR MEDICAL PURPOSES	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-85NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
15	ITEM Name:Surgeon DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-5NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
16	ITEM Name:Anesthetist DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-1NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
17	ITEM Name:Gynecologist DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAI OFFICER TELEPHONE:06670233761,	QUANTITY-8NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
18	ITEM Name:Paramedics DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-1305NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
19	ITEM Name:Lab technicians DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-29NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
20	ITEM Name:OT assistants DESCRIPTION:FOR MEDICAL PURPOSE	DEPT NAME: CDMO CONTACT ADDR:CHIEF DISTRICT MEDICAL OFFICER TELEPHONE:06670233761,	QUANTITY-15NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)

Fire Services, Kalahandi

DM NAME: Dr Gavali Parag Harshad
Contact Tel Nos.:06670230233,06670230201

SRL. NO	ITEM DESCRIPTION	DEPARTMENT & CONTACT ADDR	QUANTITY,LOCATION& SOURCE
1	ITEM Name:Spreaders-Hydraulic DESCRIPTION:Rescue operation and fire fightining	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-2NosSOURCE:Govt LOCATION:Bhawanipatna DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
2	ITEM Name:Smoke Blower and Exhauster DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-1NosSOURCE:Govt LOCATION:Bhawanipatna DIST:Kalahandi STATE:Kalahandi Last updated on 6/4/2019(MM/DD/YY)
3	ITEM Name:Inflatable Light Tower DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-8NosSOURCE:Govt LOCATION:All 13 Fire Station and Dist Head Quarter DIST:Kalahandi STATE:Kalahandi Last updated on 6/4/2019(MM/DD/YY)

4	ITEM Name:Search light DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-13NosSOURCE:Govt LOCATION:All 13 nos Fire Station and Dist Head Quarter DIST:Kalahandi STATE:Kalahandi Last updated on 6/4/2019(MM/DD/YY)
5	ITEM Name:Search and Rescue Teams for Collapsed Structures DESCRIPTION:Search and rescue team for collapsed structure	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-150NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/23/2019(MM/DD/YY)
6	ITEM Name:Diving suit DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-4NosSOURCE:Govt LOCATION:Dist Fire Office and Fire Station Kalahandi DIST:Kalahandi STATE:Kalahandi Last updated on 6/4/2019(MM/DD/YY)
7	ITEM Name:Lifebuoy DESCRIPTION:Rescue operation during flood	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-40NosSOURCE:Govt LOCATION:All 13 nos of Fire Station and Dist Office DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
8	ITEM Name:Life Jackets DESCRIPTION:Rescue operation during flood	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-43NosSOURCE:Govt LOCATION:All 13 nos of Fire Station DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
9	ITEM Name:Inflatable boat (12 persons) DESCRIPTION:Rescue operation during during flood	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-11NosSOURCE:Govt LOCATION:ExpectTh.Rampur, Karlamunda, Golamunda, Koksara all blocks have DIST:Kalahandi STATE:Kalahandi Data entered on 6/23/2019(MM/DD/YY)
10	ITEM Name:Divers Teams DESCRIPTION:Drivers team	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-27NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/23/2019(MM/DD/YY)
11	ITEM Name:Search and Rescue Teams for Flood DESCRIPTION:Search and rescue teams for flood	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:,	QUANTITY-80NosSOURCE:Govt LOCATION:NA DIST:Kalahandi STATE:Kalahandi Data entered on 6/23/2019(MM/DD/YY)
12	ITEM Name:Suit - fire entry DESCRIPTION:Fire fighting and Rescue	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-5NosSOURCE:Govt LOCATION:All 13 nos Fire Station DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
13	ITEM Name:Pump - high pressure, portable DESCRIPTION:The equipment is used during flood to excavate water	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-8NosSOURCE:Govt LOCATION:All 13 nos fire Station and Head Quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
14	ITEM Name:Extension Ladder DESCRIPTION:Rescue during Natural or Man made disaster	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-15NosSOURCE:Govt LOCATION:All 13 nos of Fire station DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
15	ITEM Name:CO2 Type DESCRIPTION:used this phenomenon to illustrate that carbon dioxide is produced by ..... Regardless of the type of organic material, the production of gases follows ...	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-50NosSOURCE:Govt LOCATION:All 13 nos of fire station and district head quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/18/2019(MM/DD/YY)
16	ITEM Name:CO2 Type DESCRIPTION:used this phenomenon to illustrate that carbon dioxide is produced by ..... Regardless of the type of organic material, the production of gases follows ...	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-50NosSOURCE:Govt LOCATION:All 13 nos of fire station and district head quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/18/2019(MM/DD/YY)
17	ITEM Name:Foam Type DESCRIPTION:Fire fighting and rescue operation	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-26NosSOURCE:Govt LOCATION:All 13 nos of fire station and district head quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/18/2019(MM/DD/YY)
18	ITEM Name:DCP Type DESCRIPTION:Fire and rescue operation	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-15NosSOURCE:Govt LOCATION:All 13 nos of fire station DIST:Kalahandi STATE:Kalahandi Data entered on

			6/18/2019(MM/DD/YY)
19	ITEM Name:Fire Tender DESCRIPTION:Fire and rescue operation	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-16NosSOURCE:Govt LOCATION:All 13 nos of fire station and district Head quarteer DIST:Kalahandi STATE:Kalahandi Data entered on 6/18/2019(MM/DD/YY)
20	ITEM Name:Fire Fighting Foam DESCRIPTION:Fire fighting foam	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-1200LiterSOURCE:Govt LOCATION:all 13 nos fire station DIST:Kalahandi STATE:Kalahandi Data entered on 6/23/2019(MM/DD/YY)
21	ITEM Name:Stretcher normal DESCRIPTION:Rescue operation	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-16NosSOURCE:Govt LOCATION:All 13 Fire station DIST:Kalahandi STATE:Kalahandi Data entered on 6/23/2019(MM/DD/YY)
22	ITEM Name:Tarpaulin DESCRIPTION:Tarpaulins used to cover goods during transport during flood	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-18NosSOURCE:Govt LOCATION:all 13 Fire station DIST:Kalahandi STATE:Kalahandi Data entered on 6/23/2019(MM/DD/YY)
23	ITEM Name:Light Ambulance Van DESCRIPTION:Rescue operation during man made and natural disaster	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-1NosSOURCE:Govt LOCATION:Bhawanipatna DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
24	ITEM Name:VHF Sets Static DESCRIPTION:Uses during Communication during disaster	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-13NosSOURCE:Govt LOCATION:All 13 fire station DIST:Kalahandi STATE:Kalahandi Data entered on 6/23/2019(MM/DD/YY)
25	ITEM Name:Walkie Talkie Sets DESCRIPTION:uses Communication during disaster	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-30NosSOURCE:Govt LOCATION:All 13 nos fire staation DIST:Kalahandi STATE:Kalahandi Data entered on 6/23/2019(MM/DD/YY)
26	ITEM Name:Rope ladder DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-15NosSOURCE:Govt LOCATION:all 13 nos fire station DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
27	ITEM Name:Shovel DESCRIPTION:Fire fighting and rescue operation	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-25NosSOURCE:Govt LOCATION:District head quarter and Block fire office DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
28	ITEM Name:Spade DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-30NosSOURCE:Govt LOCATION:In all the 13 fire station and District Head Quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
29	ITEM Name:Crow bar DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-26NosSOURCE:Govt LOCATION:All the 13 Fire Station and District Headquarter DIST:Kalahandi STATE:Kalahandi Last updated on 6/4/2019(MM/DD/YY)
30	ITEM Name:Helmet DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-80NosSOURCE:Govt LOCATION:All 13 Fire Station and District Head Quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
31	ITEM Name:Pick axe DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-15NosSOURCE:Govt LOCATION:All 13 fire station and Dist Head Quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
32	ITEM Name:Pump DESCRIPTION:Item used during flood and excavation of water	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,	QUANTITY-15NosSOURCE:Govt LOCATION:All the 13 nos of Fire Station and Head Quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)

33	ITEM Name:B.A.Set DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-11NosSOURCE:Govt LOCATION:Fire station and Head Quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
34	ITEM Name:Rope DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:AssistantFireOfficer TELEPHONE:06670230666,06670234110	QUANTITY-30NosSOURCE:Govt LOCATION:All 13 Fire Station and Dist. Head Quarter DIST:Kalahandi STATE:Kalahandi Last updated on 6/4/2019(MM/DD/YY)
35	ITEM Name:Bucket DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-20NosSOURCE:Govt LOCATION:All 13 Fire Station and Dist Head Quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)
36	ITEM Name:Hose/hose fitting DESCRIPTION:Rescue operation and fire fighting	DEPT NAME: Fire and Disaster Service CONTACT ADDR:Assistant Fire Officer TELEPHONE:06670230666,06670234110	QUANTITY-480NosSOURCE:Govt LOCATION:in 13 Fire Station and Dist Head Quarter DIST:Kalahandi STATE:Kalahandi Data entered on 6/4/2019(MM/DD/YY)

DEPARTMENT WISE QUERY RESULT - COUNTRY WIDE

DM NAME: Dr Gavali Parag Harshad
Contact Tel Nos.:06670230233,06670230201

SRL. NO	ITEM DESCRIPTION	DEPARTMENT & CONTACT ADDR	QUANTITY,LOCATION& SOURCE
1	ITEM Name:4 wheel drive vehicle DESCRIPTION:4 Wheel Drive	DEPT NAME: Lift Irrigation Division CONTACT ADDR:Er.AnadiCh.Behera TELEPHONE:230639,230695	QUANTITY-3NosSOURCE:Govt LOCATION:Bhawanipatna DIST:Kalahandi STATE:Kalahandi Data entered on 8/8/2003(MM/DD/YY)
2	ITEM Name:Heavy Truck DESCRIPTION:Truck	DEPT NAME: Lift Irrigation Division CONTACT ADDR:Er.AnadiCh.Behera TELEPHONE:230639,230695	QUANTITY-1NosSOURCE:Govt LOCATION:Bhawanipatna DIST:Kalahandi STATE:Kalahandi Data entered on 8/8/2003(MM/DD/YY)

DM NAME: Dr Gavali Parag Harshad
Contact Tel Nos.:06670230233,06670230201

SRL. NO	ITEM DESCRIPTION	DEPARTMENT & CONTACT ADDR	QUANTITY,LOCATION& SOURCE
1	ITEM Name:Chains - 6 feet (3 ton lift) DESCRIPTION:For Electric purposes	DEPT NAME: WESCO UTILITY, EE KWED BHAWANIPATNA CONTACT ADDR:EXECUTIVE ENGINEER TELEPHONE:06670230678,	QUANTITY-1NosSOURCE:Govt LOCATION:Junagarh and Dharmagarh DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
2	ITEM Name:Crow bar DESCRIPTION:FOR ELECTRIC WORK AND ALSO USING DURING DISASTER	DEPT NAME: WESCO UTILITY, EE KWED BHAWANIPATNA CONTACT ADDR:EXECUTIVE ENGINEER TELEPHONE:06670230678,	QUANTITY-4NosSOURCE:Govt LOCATION:JUNAGARH AND DHARMAGARH DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
3	ITEM Name:Helmet DESCRIPTION:For using Electric purposes	DEPT NAME: WESCO UTILITY, EE KWED BHAWANIPATNA CONTACT ADDR:EXECUTIVE ENGINEER TELEPHONE:06670230678,	QUANTITY-20NosSOURCE:Govt LOCATION:Junagarh&Dharmagarh DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
4	ITEM Name:Rope DESCRIPTION:FOR ELECTRIC WORK AND ALSO USES IN RESCUE OPERATION DURING DISASTER	DEPT NAME: WESCO UTILITY, EE KWED BHAWANIPATNA CONTACT ADDR:EXECUTIVE ENGINEER TELEPHONE:06670230678,	QUANTITY-60MeterSOURCE:Govt LOCATION:JUNAGARH AND DHARMAGARH DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)

DM NAME: Dr Gavali Parag Harshad
Contact Tel Nos.:06670230233,06670230201

SRL. NO	ITEM DESCRIPTION	DEPARTMENT & CONTACT ADDR	QUANTITY,LOCATION& SOURCE
1	ITEM Name:Gloves-Rubber, Tested up to 25, 000 volt DESCRIPTION:USING FOR ELECTRIC ACCIDENT	DEPT NAME: WESCO UTILITY, EE KEED BHAWANIPATNA CONTACT ADDR:EXECUTIVE ENGINEER ELECTRIC TELEPHONE:06670230403,	QUANTITY-50NosSOURCE:Govt LOCATION:ALL 7 NOS. OF ELECTRIC STATIONS DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
2	ITEM Name:Chains - 6 feet (3 ton lift) DESCRIPTION:RESCUE ON-TOWARDS INCIDENT DURING ACCIDENT	DEPT NAME: WESCO UTILITY, EE KEED BHAWANIPATNA CONTACT ADDR:EXECUTIVE ENGINEER ELECTRIC TELEPHONE:06670230403,	QUANTITY-1NosSOURCE:Govt LOCATION:NAKTIGUDA, BHAWANIPATNA DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)

DM NAME: Dr Gavali Parag Harshad
Contact Tel Nos.:06670230233,06670230201

SRL. NO	ITEM DESCRIPTION	DEPARTMENT & CONTACT ADDR	QUANTITY,LOCATION& SOURCE
1	ITEM Name:4 wheel drive vehicle DESCRIPTION:4 wheel drive vehicle	DEPT NAME: Executive Engineer R&B, kalahandi CONTACT ADDR:Executive Engineer TELEPHONE:06670230512,	QUANTITY-2NosSOURCE:Govt LOCATION:O/o-R&B, Junagarh/Dharmagarh DIST:Kalahandi STATE:Kalahandi Data entered on 5/27/2018(MM/DD/YY)
2	ITEM Name:4 wheel drive vehicle DESCRIPTION:$wheller vehicle	DEPT NAME: Executive Engineer R&B, kalahandi CONTACT ADDR:Executive Engineer TELEPHONE:06670230512,	QUANTITY-1NosSOURCE:Govt LOCATION:M.Rampur DIST:Kalahandi STATE:Kalahandi Data entered on 5/27/2018(MM/DD/YY)

DEPARTMENT WISE QUERY RESULT - COUNTRY WIDE

DM NAME: Dr Gavali Parag Harshad
Contact Tel Nos.:06670230233,06670230201

SRL. NO	ITEM DESCRIPTION	DEPARTMENT & CONTACT ADDR	QUANTITY,LOCATION& SOURCE
1	ITEM Name:Water filter DESCRIPTION:FOR DRINKING WATER PURPOSES	DEPT NAME: MINOR IRRIGATION CONTACT ADDR:ASST. ENGINEER TELEPHONE:06670230755,	QUANTITY-1NosSOURCE:Govt LOCATION:DISTRICT HEADQUARTERS DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
2	ITEM Name:Aluminum ladder DESCRIPTION:FOR RESCUE & EVACUATION	DEPT NAME: MINOR IRRIGATION CONTACT ADDR:ASST. ENGINEER TELEPHONE:06670230755,	QUANTITY-1NosSOURCE:Govt LOCATION:DISTRICT HEADQUARTERS DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)
3	ITEM Name:Helmet DESCRIPTION:FOR RESCUE	DEPT NAME: MINOR IRRIGATION CONTACT ADDR:ASST. ENGINEER TELEPHONE:06670230755,	QUANTITY-25NosSOURCE:Govt LOCATION:ALL SUB DIVISION , & DISTRICT HEADQUARTER DIST:Kalahandi STATE:Kalahandi Data entered on 6/26/2019(MM/DD/YY)

Tahasil Office (R&DM)

SRL. NO	ITEM DESCRIPTION	DEPARTMENT & CONTACT ADDR	QUANTITY,LOCATION& SOURCE
1	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-40NosSOURCE:Govt LOCATION:Tahasil Office, Kalampur DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
2	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-40NosSOURCE:Govt LOCATION:Tahasil Office, Koksara DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
3	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-658NosSOURCE:Govt LOCATION:Tahasil Office, Junagarh DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
4	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-49NosSOURCE:Govt LOCATION:Tahasil Office, Golamunda DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
5	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-50NosSOURCE:Govt LOCATION:Tahasil Office Kesinga DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
6	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-49NosSOURCE:Govt LOCATION:Tahasil Office, Lanjigarh DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
7	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-45NosSOURCE:Govt LOCATION:Tahasil Office M.rampur DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
8	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-50NosSOURCE:Govt LOCATION:Tahasil Office, Karlamunda DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
9	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-39NosSOURCE:Govt LOCATION:Tahasil Office, Narla DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
10	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office(R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-66NosSOURCE:Govt LOCATION:Tahasil Office, Th.Rampur DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
11	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses.	DEPT NAME: Tahasil Office (R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-645NosSOURCE:Govt LOCATION:Tahasil Office Kalahandi DIST:Kalahandi STATE:Kalahandi Data entered on 7/17/2019(MM/DD/YY)
12	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office (R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-630NosSOURCE:Govt LOCATION:DharmagarhTahasil Office DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
13	ITEM Name:Polythene Sheet DESCRIPTION:uses during heavy rain flood for poor people living in kutcha houses	DEPT NAME: Tahasil Office (R&DM) CONTACT ADDR:Tahasildar TELEPHONE:,	QUANTITY-52NosSOURCE:Govt LOCATION:JaipatnaTahasil DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/

Panchayati Samiti, Status of Lifebuoy, Kalahandi

SRL. NO	ITEM DESCRIPTION	DEPARTMENT & CONTACT ADDR	QUANTITY,LOCATION& SOURCE
1	ITEM Name:Lifebuoy DESCRIPTION:Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-2NosSOURCE:Govt LOCATION:Block Office, Bhawanipatna DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
2	ITEM Name:Lifebuoy DESCRIPTION:Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-1NosSOURCE:Govt LOCATION:Block Office, Kesinga DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
3	ITEM Name:Lifebuoy DESCRIPTION:Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-2NosSOURCE:Govt LOCATION:Block Office, Karlamunda DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
4	ITEM Name:Lifebuoy DESCRIPTION:Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-2NosSOURCE:Govt LOCATION:Block Office, M.Rampur DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
5	ITEM Name:Lifebuoy DESCRIPTION:Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-3NosSOURCE:Govt LOCATION:Block Office Narla DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
6	ITEM Name:Lifebuoy DESCRIPTION:Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-2NosSOURCE:Govt LOCATION:Block Office Junagarh DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
7	ITEM Name:Lifebuoy DESCRIPTION:Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-4NosSOURCE:Govt LOCATION:Block Office Kalampur DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
8	ITEM Name:Lifebuoy DESCRIPTION:Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-4NosSOURCE:Govt LOCATION:Block Office Jaipatna DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)

Panchayati Samiti, Status of Life Jacket, Kalahandi

1	ITEM Name:Life Jackets DESCRIPTION: Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-8NosSOURCE:Govt LOCATION:Block Office Jaipatna DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
2	ITEM Name:Life Jackets DESCRIPTION: Rescue during flood/Flash flood.	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-2NosSOURCE:Govt LOCATION:Block Office, Karlamunda DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
3	ITEM Name:Life Jackets DESCRIPTION: Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-10NosSOURCE:Govt LOCATION:Block Office , Kalampur DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
4	ITEM Name:Life Jackets DESCRIPTION: Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-5NosSOURCE:Govt LOCATION:Block Office Junagarh DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
5	ITEM Name:Life Jackets DESCRIPTION: Rescue during flood/Flash flood.	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-4NosSOURCE:Govt LOCATION:Block Office, Narla DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)

6	ITEM Name:Life Jackets DESCRIPTION: Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-2NosSOURCE:Govt LOCATION:Block Office, M.Rampur DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
7	ITEM Name:Life Jackets DESCRIPTION: Rescue during flood/Flash flood.	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-1NosSOURCE:Govt LOCATION:Block Office, Kesinga DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
8	ITEM Name:Life Jackets DESCRIPTION: Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-1NosSOURCE:Govt LOCATION:Block Office, kesinga DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY)
9	ITEM Name:Life Jackets DESCRIPTION: Rescue during flood/Flash flood	DEPT NAME: BlockOffice(R&DM) CONTACT ADDR:Block Development Officer TELEPHONE:,	QUANTITY-3NosSOURCE:Govt LOCATION:Block Office, Bhawanipatna DIST:Kalahandi STATE:Kalahandi Data entered on 7/18/2019(MM/DD/YY

Institutional Arrangement
Volume-II

Figure_ Government of India Notification on National Executive Committee

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, एतद्द्वारा, 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.

Figurer: ___Government of Odisha Notification on reconstitution of SDMA

Government of Odisha
Revenue & Disaster Management Department
(Special Relief)

***

NOTIFICATION

Bhubaneswar, the 31st 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:

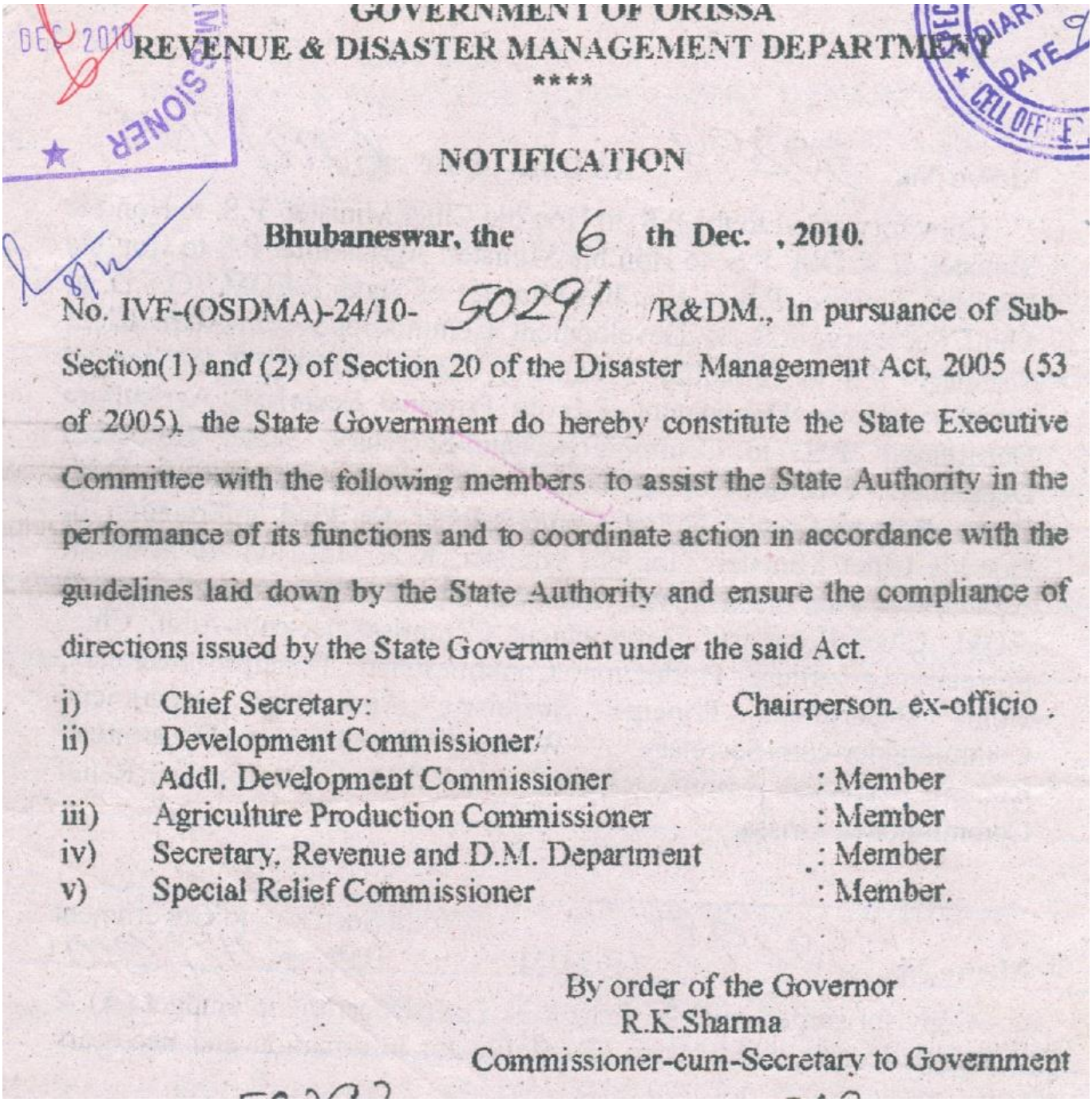
i) Chief Minister	-	Chairperson *ex-officio*
ii) Minister, Revenue & Disaster Management	-	Member-cum-Vice-Chairman
iii) Minister, Agriculture	-	Member
iv) Minister, Finance	-	Member
v) Chief Secretary	-	Member-cum- *ex-officio* Chief Executive Officer
vi) Development Commissioner/ Addl. Development 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

31/08/2013

Principal Secretary to Government
& Special Relief Commissioner

Figure__ Odisha Government Notification on constitution of SEC



GOVERNMENT OF ORISSA
REVENUE & DISASTER MANAGEMENT DEPARTMENT
****

NOTIFICATION

Bhubaneswar, the 6 th 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/ 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

Figure___: Government of Odisha notification on reconstitution of SLCNC

ଓଡ଼ିଶା ସରକାର
ରାଜସ୍ୱ ଓ ବିପର୍ଯ୍ୟୟ ପରିଚାଳନା ବିଭାଗ
(ବିପର୍ଯ୍ୟୟ ପରିଚାଳନା)
GOVERNMENT OF ODISHA
REVENUE & DISASTER MANAGEMENT DEPARTMENT
(DISASTER MANAGEMENT)

By Fax/e-mail/Post

ରାଜୀବ ଭବନ, ଭୁବନେଶ୍ୱର-୭୫୧୦୦୧
RAJIV BHAWAN, BHUBANESWAR-751001

Ph. No. 0674-2534177
Fax : 0674 – 2534176
e-mail: srcodishagov@gmail.com
src.or@nic.in

No. 3790 /R&DM(DM) Date: 14-06.2019
RDM-RLF-FLD-0007-2019

In supersession of all previous resolutions, Government have been pleased to reconstitute the State level Committee on Natural Calamities as follows-

1.	Sj. Naveen Patnaik, Hon'ble Chief Minister,	Chairman
2.	Sj. Niranjan Pujari, Hon'ble Minister, Finance & Excise	Member
3.	Sj. Bikram Keshari Arukha, Hon'ble Minister, Forest & Environment, P.A.	Member
4.	Sj. Prafulla Kumar Mallick, Hon'ble Minister, Steel & Mines, Works	Member
5.	Sj. Ranendra Pratap Swain, Hon'ble Minister, Food Supplies & C.W., Cooperation.	Member
6.	Sj. Pratap Jena, Hon'ble Minister, Panchayati Raj & D.W., Law, Housing & Urban Development.	Member
7.	Sj. Arun Kumar Sahoo, Hon'ble Minister, Agriculture & F.E., Fisheries & A.R.D., Higher Education.	Member
8.	Sj. Sudam Marndi, Hon'ble Minister, Revenue & D.M.	Member
9.	Sj. Susanta Singh, Hon'ble Minister, Rural Development, Labour & Employees State Insurance	Member
10.	Sj. Naba Kishore Das, Hon'ble Minister, Health & Family Welfare	Member
11.	Smt. Tukuni Sahu, Hon'ble Minister, Women & C.D. and Mission Shakti	Member
12.	Sj. Jagannath Saraka, Hon'ble Minister of State (Ind), ST & SC Dev., Minorities & Backward Classes Welfare	Member
13.	Sj. Dibya Shankar Mishra, Hon'ble Minister of State (Ind), Energy, Industry, MSME and Minister of State, Home	Member
14.	Sj. Ashok Chandra Panda, Hon'ble Minister of State (Ind), Science & Tech., PE, SS&EPD	Member
15.	Sj. Samir Ranjan Dash, Hon'ble Minister of State (Ind), School & M.E.	Member
16.	Sj. Raghunandan Das, Hon'ble Minister of State(Ind), Water Resources, Information & P.R.	Member
17.	Smt. Pramila Mallick, Hon'ble Government Chief Whip	Member
18.	Sj. Jual Oram, Hon'ble MP, Sundargarh	Member
19.	Sj. Chandrasekhar Sahoo, Hon'ble M.P., Berhampur	Member
20.	Dr. Rajashree Mallick, Hon'ble MP, Jagatsinghpur	Member
21.	Sj. Anubhab Mohanty, Hon'ble MP, Kendrapara	Member
22.	Sj. Narasingha Mishra, Hon'ble MLA, Bolangir	Member
23.	Sj. Prafulla Samal, Hon'ble MLA, Bhandaripokhari	Member
24.	Sj. Anant Das, Hon'ble MLA, Bhograi	Member
25.	Sj. Pratap Keshari Dev, Hon'ble MLA, Aul	Member
26.	Sj. Debesh Acharya, Hon'ble MLA,Bargarh	Member
27.	Sj. Jyotirindra Nath Mitra, Hon'ble MLA,Khordha	Member
28.	Sj. Umakanta Samantaray, Hon'ble MLA, Satyabadi	Member

29.	Sj. Adhiraj Mohan Panigrahi, Hon'ble MLA, Khariar	Member
30.	Sj. Bishnu Charan Sethi, Hon'ble MLA, Dhamnagar	Member
31.	Sj. Madan Mohan Dutta, Hon'ble MLA, Balasore	Member
32.	Sj. Jayanta Kumar Sarangi, Hon'ble MLA, Puri	Member
33.	Sj. Pradipta Kumar Nayak, Hon'ble MLA, Bhawanipatna	Member
34.	Sj. Laxman Munda, Hon'ble MLA, Bonai	Member
35.	Sj. Makaranda Muduli Hon'ble MLA, Rayagada	Member
36.	Chief Secretary	Member
37.	Development Commissioner, Odisha	Member
38.	Member, Board of Revenue, Odisha.	Member
39.	Agriculture Production Commissioner	Member
40.	Special Relief Commissioner, Odisha	Member
41.	Addl. Chief Secretary, Home Department	Member
42.	Principal Secretary, Finance Department	Member
43.	Principal Secretary, Rural Development Department	Member
44.	Addl. Chief Secretary, Forest & Env. Department	Member
45.	Addl. Chief Secretary to Chief Minister	Member
46.	Principal Secretary, P.R. & D.W. Dept	Member
47.	Principal Secretary, Agriculture & F.E. Dept.	Member
48.	Principal Secretary, Water Resources Department	Member
49.	Principal Secretary, Revenue & D.M. Department	Member
50.	Principal Secretary, Women and CD and Mission Shakti Department	Member
51.	Commissioner-cum-Secretary, Energy Department	Member
52.	Principal Secretary, Housing and Urban Development Department	Member
53.	Commissioner-cum-Secretary, Cooperation/ Works Department	Member
54.	Commissioner-cum-Secretary, Health and Family Welfare Department	Member
55.	Commissioner-cum-Secretary, Handlooms, Textiles and Handicrafts Department	Member
56.	Commissioner-cum-Secretary, Food Supplies and Consumer Welfare Department	Member
57.	Secretary (In-charge), ST and SC Development Department	Member

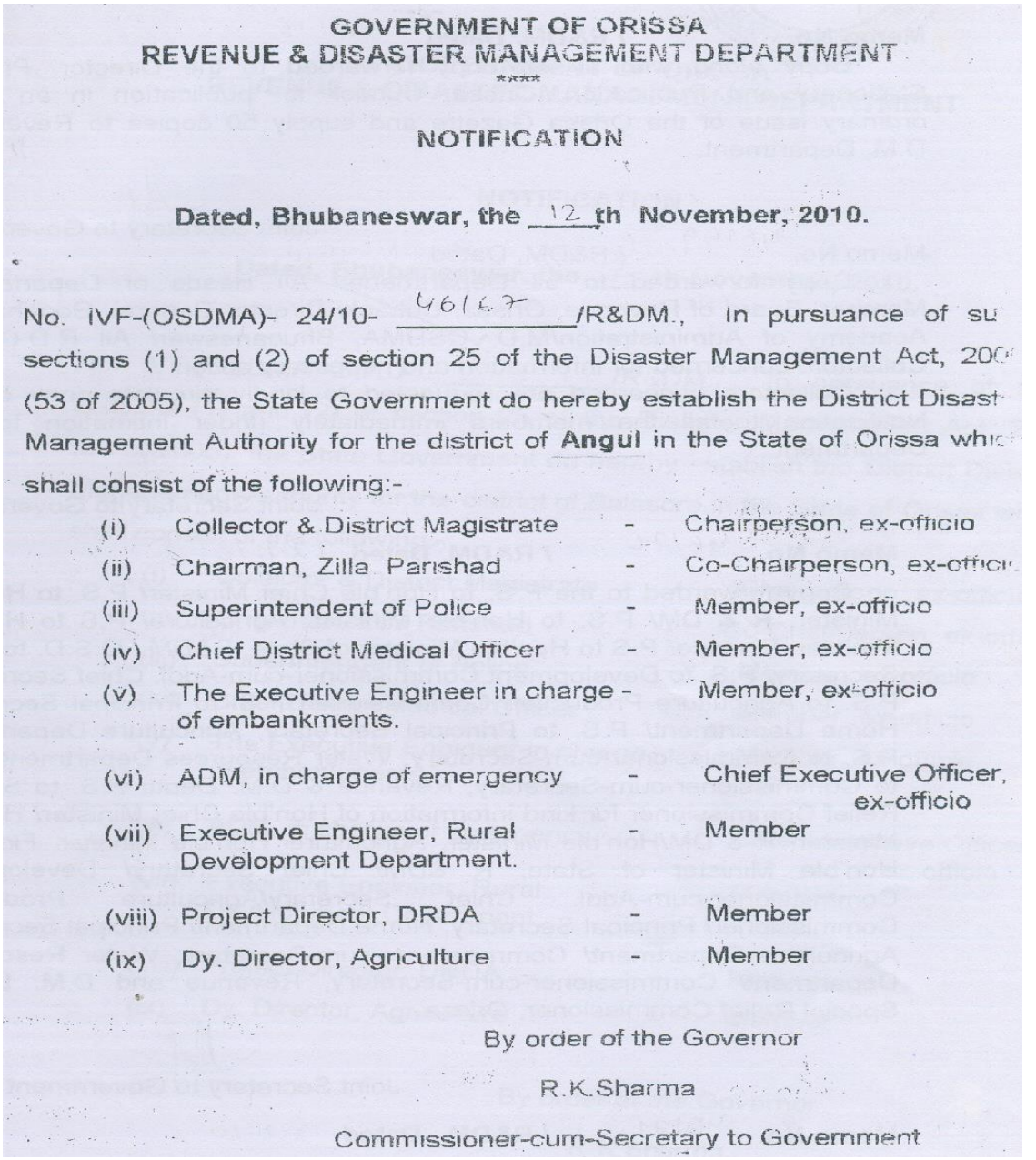
2. The Committee will meet as and when necessary to review the situation arising out of natural calamities.

3. The function of the Committee shall be: -

a) To advise the Government regarding precautionary measures to be taken in respect of flood, drought and other natural calamities;
b) To assess the situation arising out of such 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.

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 4th March 1972, as amended from time to time.

Figure__ Government Of Odisha notification on constitution of DDMA



GOVERNMENT OF ORISSA
REVENUE & DISASTER MANAGEMENT DEPARTMENT
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NOTIFICATION

Dated, Bhubaneswar, the 12 th November, 2010.

No. IVF-(OSDMA)- 24/10- 46167 /R&DM., In pursuance of su sections (1) and (2) of section 25 of the Disaster Management Act, 200 (53 of 2005), the State Government do hereby establish the District Disast Management Authority for the district of **Angul** in the State of Orissa whic shall consist of the following:-

(i)	Collector & District Magistrate	-	Chairperson, ex-officio
(ii)	Chairman, Zilla Parishad	-	Co-Chairperson, ex-offici
(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

CHAPTER-8 FINANCIAL ARRANGEMENT

ure__ Government of India Notification on Items and Norms assistance from the SDRF and NDRF

No. 32-7/2014-NDM-I
Government of India
Ministry of Home Affairs
(Disaster Management Division)

'C' Wing, 3rd Floor, NDCC- II,
Jai Singh Road, New Delhi-110001,
Dated the 8th April 2015

To

1. Chief Secretaries of all States
2. The Relief Commissioners / Secretaries, Department of Disaster Management of all States

Subject: - Items and Norms of assistance from the State Disaster Response Fund (SDRF) and the National Disaster Response Fund (NDRF) for the period 2015 -- 2020.

Sir/ Madam,

I am directed to state that based on consideration of the recommendations of Fourteenth Finance Commission (FFC) on financing of expenditure on immediate relief during natural disasters for the period 2015--2020 and the report of the Expert Group set up by this Ministry, the Government of India has revised the items and norms for assistance from SDRF/ NDRF. The approved list of items and norms for assistance from SDRF / NDRF in the wake of identified natural disasters is **Annexed**. The revised norms will be effective from 1st April 2015. However, the farmers affected by hailstorms in different parts of the country during February/ March 2015 will also be given assistance under the new norms.

2. The revised items and norms can also be downloaded from website of Disaster Management Division of Ministry of Home Affairs i.e. *www.ndmindia.nic.in*.

3. As the first charge on SDRF should be on a disaster of severe nature, there has been a requirement to adjust balance amount of SDRF whenever NDRF amount is released. This procedure stands revised as follows:-

50% of SDRF balance, as on 31st March of the preceding financial year, will be adjusted while releasing the assistance from NDRF for the first disaster in a financial year. In case the same State faces another severe disaster during the same year, no adjustment will be made while releasing NDRF assistance.

4. A copy of the communication alongwith their enclosure is also being sent to the Accountants Generals of the States for necessary action.

Annexure -

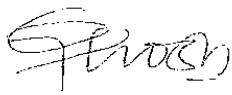
REVISED LIST OF ITEMS AND NORMS OF ASSISTANCE FROM STATE DISASTER RESPONSE FUNDS (SDRF) AND NATIONAL DISASTER RESPONSE FUND (NDRF)

(Period 2015-20, MHA Letter No. 32-7/2014-NDM-I Dated 8th April 2015)

Sl. No.	Items	NORMS OF ASSISTANCE
1	2	3
1.	Gratuitous Relief	
	a) Ex-Gratia payment to families of deceased persons.	**Rs.4.00 lakh** per deceased person including those involved in relief operations or associated in preparedness activities, subject to certification regarding cause of death from appropriate authority.
	b) Ex-Gratia payment for loss of a limb or eye(s).	**Rs. 59100/-** per person, when the disability is between 40% and 60%. **Rs. 2.00 lakh** per person, when the disability is more than 60%. Subject to certification by a doctor from a hospital or dispensary of Government, regarding extent and cause of disability.
	c) Grievous injury requiring hospitalization	**Rs. 12,700/-** per person requiring hospitalization for more than a week. **Rs. 4,300/-** per person requiring hospitalization for less than a week.
	d) Clothing and utensils/ house-hold goods for families whose houses have been washed away/ fully damaged/severely inundated for more than two days due to a natural calamity.	**Rs.1,800/-** per family, for loss of clothing. **Rs.2,000/-** per family, for loss of utensils/ household goods.
	e) Gratuitous relief for families whose livelihood is seriously affected.	**Rs. 60/-** per adult and **Rs. 45/-** per child, not housed in relief camps. State Govt. will certify that identified beneficiaries are not housed in relief camps. Further State Government will provide the basis and process for arriving at such beneficiaries district-wise. Period for providing gratuitous relief will be as per assessment of the State Executive Committee (SEC) and the Central Team (in case of NDRF). The default period of assistance will upto to 30 days, which may be extended upto 60 days in the first instance, if required, and subsequently upto 90 days in case of drought/ pest attack. Depending on the ground situation, the State Executive Committee can extend the time period beyond the prescribed limit subject to that expenditure on this account should not exceed 25% of SDRF allocation for the year.
	SEARCH & RESCUE OPERATIONS	
	(a) Cost of search and rescue measures/ evacuation of people affected/ likely to be affected	As per actual cost incurred, assessed by SEC and recommended by the Central Team (in case of NDRF).

5. This supersedes this Ministry's earlier letters on this subject, the last being No.32-3/2013-NDM-I dated the 28th November, 2013 and No. 32-3/2013 NDM-1 dated 5th March 2014.

Yours faithfully,



(Goutam Ghosh)
Deputy Secretary to the Govt. of India
Telefax: 23438123

Encl: As above.

Copy for information and necessary follow up action to:-

1. Accountants General of all State Governments.
2. Comptroller & Auditor General (CAG), New Delhi.
3. Controller General of Accounts (CGA), New Delhi.
4. Resident Commissioners of all State Governments.

Copy to: -

1. Ministry of Finance, Department of Expenditure [Shri Vivek Joshi, JS (FCD)], North Block, New Delhi.
2. Ministry of Agriculture [Joint Secretary (DM)], Krishi Bhawan, New Delhi.
3. Member Secretary, National Disaster Management Authority, NDMA Bhawan, Safdurjung Enclave, New Delhi.
4. All concerned Central Ministries/ Departments / Organizations.
5. PMO / Cabinet Secretariat.
6. PS to HM/ PS to MOS (R)
7. Sr. PPS to Home Secretary/ Addl. Secretary (F)/ Joint Secretary (DM)/ NIC.

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		recommendation of the Central Team (in case of NDRF).
5	**AGRICULTURE**	
(i)	***Assistance farmers having landholding upto 2 ha***	
A.	**Assistance for land and other loss**	
	a). De-silting of agricultural land (where thickness of sand/ silt deposit is more than 3", to be certified by the competent authority of the State Government.)	**Rs. 12,200/-** per hectare for each item. (Subject to the condition that no other assistance/ subsidy has been availed of by/ is eligible to the beneficiary under any other Government Scheme)
	b) Removal of debris on agricultural land in hilly areas	
	c) De-silting/ Restoration/ Repair of fish farms	
	d) Loss of substantial portion of land caused by landslide, avalanche, change of course of rivers.	**Rs. 37.500/-** per hectare to only those small and marginal farmers whose ownership of the land is legitimate as per the revenue records.
B.	**Input subsidy (where crop loss is 33% and above)**	
	a) For agriculture crops, horticulture crops and annual plantation crops	**Rs. 6,800/-** per ha. in rainfed areas and restricted to sown areas. **Rs. 13,500/-** per ha. in assured irrigated areas, subject to minimum assistance not less than Rs.1000 and restricted to sown areas.
	b) Perennial crops	**Rs. 18,000/-** ha. for all types of perennial crops subject to minimum assistance not less than Rs. 2000/- and restricted to sown areas.
	c) Sericulture	**Rs. 4,800/-** per ha. for Eri, Mulberry, Tussar **Rs. 6,000/-** per ha. for Muga.
(ii)	**Input subsidy to farmers *having more than 2 Ha of landholding***	**Rs. 6,800/-** per hectare in rainfed areas and restricted to sown areas. **Rs.13,500/-** per hectare for areas under assured irrigation and restricted to sown areas. **Rs. 18,000/-** per hectare for all types of perennial crops and restricted to sown areas. Assistance may be provided where crop loss is 33% and above, subject to a ceiling of 2 ha. per farmer.
6	**ANIMAL HUSBANDRY - ASSISTANCE TO SMALL AND MARGINAL FARMERS**	
	i) Replacement of milch animals, draught animals or animals used for haulage.	*Milch animals* - Rs. 30,000/- Buffalo/ cow/ camel/ yak/ Mithun etc. Rs. 3,000/- Sheep/ Goat/ Pig *Draught animals* - Rs. 25000/- Camel/ horse/ bullock, etc. Rs. 16,000/- Calf/ Donkey/ Pony/ Mule - The assistance may be restricted for the actual loss of economically productive animals and will be subject to a

3

		ceiling of 3 large milch animals or 30 small milch animals or 3 large draught animals or 6 small draught animals per household irrespective of whether a household has lost a larger number of animals. (The loss is to be certified by the Competent Authority designated by the State Government). *Poultry:-* Poultry **@ 50/- per bird** subject to a ceiling of assistance of **Rs 5000/-** per beneficiary household. The death of the poultry birds should be on account of a natural calamity. *Note:* - Relief under these norms is not eligible if the assistance is available from any other Government Scheme, e.g. loss of birds due to Avian Influenza or any other diseases for which the Department of Animal Husbandry has a separate scheme for compensating the poultry owners.
	ii) Provision of fodder / feed concentrate including water supply and medicines in cattle camps.	Large animals- **Rs. 70/-** per day. Small animals- **Rs. 35/-** per day. Period for providing relief will be as per assessment of the State Executive Committee (SEC) and the Central Team (in case of NDRF). The default period for assistance will be upto 30 days, which may be extended upto 60 days in the first instance and in case of severe drought up to 90 days. Depending on the ground situation, the State Executive Committee can extend the time period beyond the prescribed limit, subject to the stipulation that expenditure on this account should not exceed 25% of SDRF allocation for the year. Based on assessment of need by SEC and recommendation of the Central Team, (in case of NDRF) consistent with estimates of cattle as per Livestock Census and subject to the certificate by the competent authority about the requirement of medicine and vaccine being calamity related.
	iii) Transport of fodder to cattle outside cattle camps	As per actual cost of transport, based on assessment of need by SEC and recommendation of the Central Team (in case of NDRF) consistent with estimates of cattle as per Livestock Census.
7	**FISHERY**	
	i) Assistance to Fisherman for repair / replacement of boats, nets – damaged or lost -- Boat -- Dugout-Canoe -- Catamaran -- net (This assistance will not be provided if the beneficiary is eligible or has availed of any subsidy/ assistance, for the instant calamity, under any other Government Scheme.)	**Rs. 4,100/-** for repair of partially damaged boats only **Rs. 2,100/-** for repair of partially damaged net **Rs. 9,600/-** for replacement of fully damaged boats **Rs. 2,600/-** for replacement of fully damaged net
	ii) Input subsidy for fish seed farm	**Rs. 8,200** per hectare.

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7. The assistance will be considered as per the merit towards the following activities:

	Items/ Particulars	Norms of assistance will be adopted for immediate repair
i)	Damaged primary school building Higher secondary/ middle/ college and other educational institutions buildings	Up to Rs. 1.50 lakh/ unit Not covered
ii)	Primary Health Centre	Upto Rs. 1.50 lakh/ unit
iii)	Electric poles and wires etc.	Normative cost (Upto Rs.4000 per pole and Rs. 0.50 lakh per km)
iv)	Panchayat Ghar/ Anganwadi/ Mahila Mondal/ Yuva Kendra/ Community Hall	Upto 2.00 lakh/ unit
v)	State Highways/ Major District road	Rs. 1.00 lakh/ km *
vi)	Rural road/ bridge	Rs. 0.60 lakh/km *
vii)	Drinking water scheme	Upto 1.50 lakh/ unit
viii)	Irrigation Sector: Minor irrigation schemes/ Canal Major irrigation scheme Flood control and anti Erosion Protection work	 Upto Rs. 1.50 lakh/ scheme Not covered Not covered
ix)	Hydro Power Project/ HT Distribution systems/ Transformers and sub stations	Not covered
x)	High Tension Lines (above 11 kv)	Not covered
xi)	State Govt Buildings viz. departmental/ office building, departmental/ residential quarters, religious structures, patwarkhana, Court premises, play ground, forest bungalow property and animal/ bird sanctuary etc.	Not covered
xii)	Long terms/ Permanent Restoration work incentive	Not covered
xiii)	Any new work of long term nature	Not covered
xiv)	Distribution of commodities	Not covered. (However, there is a provision for assistance as GR to families in dire need of assistance after a disasters).
xv)	Procurement if equipments/ machineries under NDRF	Not covered
xvi)	National Highways	Not covered (Since GOI born entire expenditure towards restoration works activities)
xvii)	Fodder seed to augment fodder production	Not covered

* If OR & PR rates are not provided by the State.

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Damage to Other Sectors

Loss of livestock

Name of the District	No of Livestock / Birds lost				
	Milch Animal		Draught Animal		Poultry Birds
	Buffalo/ Cow	Sheep/ Goat	Camel/ Horse/ Bullock	Calf/ Donkey/ Pony	

House Damage

Sl.	District	Fully Damaged		Severely Damaged		Partially damaged	Huts damaged	Total
		Pucca	Kutcha	Pucca	Kutcha			

Crop Damage

Sl.	Districts	Crop Area Affected [in Hect.]	Total agricultural area where croploss is > 50%

Sand Cast

Sl.	District	Total Area under sandcast (in Hect.)

Livestock Affected

Sl.	District	Livestock Affected			Total
		Large	Small	Poultry	

Loss of livelihood (sericulture farmers)

Sl.	Name of the District	No. of Farmers Affected	Area in Hect. Muga (Hc.)	Area in Hect. Mulberry / Eri / Tussar (Hc.)	Total

Traditional Crafts(Rural Artisans)

Sl.	Name of the District	No. of equipments fully damaged	No. of beneficiaries	Set of raw material fully damaged	No. of beneficiaries

Handloom Weavers

Sl.	Name of the District	No. of beneficiaries	No. of looms &accessories fully damaged	Set of raw material fully damaged

Damage to Nets and Boats of Fishermen

Sl. No	Name of the District	Boat & Net Units	
		No. of Units fully damaged	No. of Units partially damaged

Assistance Required

Clothing and utensils for families: *[Para-1 (e) of CRF Norms]*

(Rs. in lakh)

Sl.	District	Clothing		Utensils		Total Amount
		No. of family	Amount @ Rs.1800/- per family	No. of family	Amount t @ Rs. 2000/- per family	

Gratuitous Relief for families in dire need of immediate sustenance after a calamity: *[Para-1 (f) of CRF Norms]*

(Rs. in lakh)

Sl	District	Villages Affected	ULBs Affected	Population	Population affected		Amount towards food for 15 days		Total
				Affected	Adult	Children	@Rs.60 per adult	@Rs.45 per child	

Agriculture input subsidy where crop loss 50% and above: ***[Para-3(e) of CRF Norm(Small Farmers)***

(Rs. in lakh)

Sl.	Name of the district	Area affected 50% & above			Amount required			Total
		Irrigated [in hect.]	Rainfed [in hect.]	Perennial	Irrigated @Rs.13500/- per hectare	Rainfed @Rs.6800- per hectare	Perennial @ Rs.18000/ per Hect.	

Input subsidy to farmers other than small & marginal farmers: ***[Para-4 of Revised CRF Norms]***

(Rs. in lakh)

Sl.	District	Kharif Crop					
		No of Farmers	Irrigated area in hect	Amount @ Rs.4000/- per hect.	Rainfed Area in hect.	Amount @ Rs.2000/- per hect.	Amount

Assistance to Small & Marginal Sericulture farmers: *[Para-5 of Revised CRF Norms]*

Sl.	Name of the District	No. of Farmers Affected	Area in Hect. Muga (Hc.)	Area in Hect. Mulberry / Eri / Tussar (Hc.)	Total	Amount required @ Rs.2000/- per ha. of Mulberry/ Eri / Tussar and Rs. 2500/- for Muga		Total
						Muga @ Rs.2500/- per ha	Mulberry / Eri / Tussar @ Rs.2000/- per ha.	

Provision of fodder / feed concentrate in the cattle camps: *[Para-7 (ii) of Revised CRF Norms]*

Sl. No	Name of the District	No. of cattle camps	No. of large animals affected	Cattle feed supplied @1.3Kg per day for 15 days (in MT)	No. of small animals affected	Cattle feed supplied @0.66Kg per day for 15 days (in MT)	Total cattle feed supplied (in MT)	Amount required (Rs. in lakh) @ Rs.15000 per MT

Assistance to fishermen: *[Para-8 (a) of Revised CRF Norms]*

(Rs. in lakh)

Sl. No	Name of the District	Boat & Net Units fully damaged		Boat & Net Units partially damaged		Total
		No. of Units damaged	Amount @Rs.7500	No. of Units damaged	Amount @Rs.2500	

Assistance to Artisans in handicrafts sector by way of subsidy for repair / replacement of damaged equipments: *[Para-9(a) of CRF Norms]*

a) Traditional Crafts

[Rs. in lakh]

Sl.	Name of the District	No. of equip-ments fully damaged	No. of benefic-iaries	Amount @Rs.2000/-	Set of raw material fully damaged	No. of benefic-iaries	Amount @Rs.2000/-	Total

b) Handloom Weavers *[Para-9(b) of CRF Norm]*

Sl.	Name of the District	No. of benefic-iaries	No. of looms &accessories fully damaged	Amount @Rs.2000/-	Set raw material fully damaged	Amount @Rs.2000/-	Total

Evacuation of affected people:*[Para-14 of revised CRF Norms]*

Sl	District	People evacuated			Amount required for hire charges and POL
		By boat	By vehicle	Total	

					charges of vehicle

Hiring of boats for carrying immediate relief and saving life: *[Para-15 of revised CRF Norms]*

(Rs in lakh)

Sl.	**District**	**No. of boats hired**			**No. of days**	**Hire cost of power boat @Rs.2200 per day**	**Hire cost of country boat @Rs.900 per day**	**Total hire cost**
		Power	**Country**	**Total**				

Sl.	**District**	**Quantity of relief materials transported inQtl.**	**No. of persons evacuated**	**POL Cost (in lakh)**	**Total Amount**

Provision for temporary accommodation, food, clothing and medical care

[Para-16 of revised CRF Norms]

Sl. No.	**Name of the district**	**Average No. (in a day) of relief camps**	**Average duration of oper-ation of relief camps**	**Average No. of people accommod ated per day in the relief camps**	**Amount required (Rs. in lakh)**				
					Tempo-raryacco mm-odation	**Food**	**clothing**	**Medical care**	**Total**

Water Resources Department

Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors: - *[Para-18 of revised CRF Norms]*

Embankment Roads

(Rs. in lakh)

Sl. No.	Name of the District	ROAD						Total Amount in lakhs
		River/Saline embankments			Canal Embankments			
		No.	Length in Km'	Amount required	No.	Length in Km'	Amount required	

River and Canal Embankments:

RIVER EMBANKMENTS *(Rs. in lakh)*

Sl No.	Name of the District/Division	No. of breach	Length of breach (in Km.)	Cost for immediate restoration	No of partial damages	Cost for immediate repair	Total cost

CANAL EMBANKMENTS

Sl No.	Name of the District	No. of breaches	Length of breach (in Km.)	Cost for immediate restoration	No of partial damages	Length partial damages (in Km.)	Cost for immediate repair	Total cost

Minor Irrigation

Sl No.	Name of the District/Division	**Number of the MIP damaged**	**Amount required for immediate repair in Lakh Rs.**

Drainage Systems

(Rs. in lakh)

Sl. No.	Name of Division	No. of work	Length of drainage system where debris and vegetative materials are to be removed (in Km.)	Amount required (Rs. In lakh)

Works Department

Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors: - *[Para-18 of revised CRF Norms]*

Roads and bridges

PWD Roads:

(Rs. in lakh)

Sl No.	Name of the District	No. of breaches	Cost for repair / restoration	Length of road damaged in Km	Cost for immediate repair	No. of culverts damaged	No of culverts washed away	Approx cost for immediate repair of culverts	Total cost

Rural Development Department

Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors: - *[Para-18 of revised CRF Norms]*

Rural Roads

Sl No.	Name of the District	No. of Roads damaged	Lenth of Road damaged (In Kms)	No of Breaches	Length of Breaches (In mtr)	No of CD/ Bridge damaged	No of CD/ Bridge washed away	Amount Required for immediate restoration

Rural Water Supply:

(Rs. in lakh)

Sl No.	Name of the District/Division	No. of Tube wells damaged	Amount spent repair	No of Platforms damaged	Amount spent for repair	No of Rural Pipe water supply system damaged	Amount spent for repair	Total cost

Housing & Urban Devepoment Department

Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors: - *[Para-18 of revised CRF Norms]*

Urban Roads

(Rs. in lakh)

Sl No.	Name of the ULB	Length of drain damaged (in Km)	Cost for immediate restoration	Length of road damaged in Km	Cost for immediate repair	No. of culverts damaged	Cost for immediate repair of culverts	Total cost

Urban Water Supply

(Rs. in lakh)

Sl. No	Name of the ULB	Amount spent for immediate repair of Tubewell	Amount spent for immediate repair of Platform	Amount spent for immediate repair of Pump houses	Amount spent for immediate repair of Pipe lines	Amount spent for disinfection	ULB Total

Panchayati Raj Department

Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors: - *[Para-18 of revised CRF Norms]*

Panchayat Roads

(Rs. in lakh)

Sl No.	Name of the District / Division	No. of Road damaged	Length of breaches in Km.	Cost of repair of breaches	Length of road damaged in Km	Cost for immediate repair

Sl No.	Name of the District / Division	No. of culverts damaged	No of culverts washed away	Cost for immediate repair of culverts	Total cost

Panchayat Ghars

(Rs. in lakh)

Sl No.	Name of the District	No. of PanchayatGhar/Community Hall damaged	Cost for immediate restoration

School & Mass Education Department

Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors: - *[Para-18 of revised CRF Norms]*

Primary Education

School Buildings

(Rs. in lakh)

Sl. No.	Name of District	No. of the Damaged school	Approx. cost (Rs. in lakhs)

Health & FW Department

Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors: - *[Para-18 of revised CRF Norms]*

PHC / CHC

Rs. in lakh.

Sl No.	Name of the District	No. of PHC / CHC damaged				Amount Required for repair / restoration
		Allopathic	Homeopathic	Ayurvedic	Total	

Replacement of damage medical equipment and lost medicines: - (Para 19 of Revised CRF Norm)

Sl.	District	Requirement (Rs. In lakh)

Amount required for Provision of medicines, disinfectants, insecticides for prevention of outbreak of epidemics with details :*[Para-12 of revised CRF Norms]*

Women & Child Development Department

Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors: - *[Para-18 of revised CRF Norms]*

Anganwadi Centres

(Rs. in lakh)

Sl No.	Name of the District	No. of Anganwadi centres damaged	Amount required for immediate restoration

Supplementary Nutrition:*[As per Para-2 of CRF Norms]*

Sl.	**District**	**No. of children Affected**	**No. of Days**	**Amount @ Rs.2.00 per person per day (Rs. in lakh)**

Energy Department

Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors: - *[Para-18 of revised CRF Norms]*

Repair and restoration of power supply *(Para 18 of revised CRF norms***): -**

(Rs.in lakh)

Sl	**Name of the district**	**No. of primary sub-stations damaged**	**8/9 mtrs. Pole damaged**	**33 KV lines damaged (in Km)**	**11 KV lines damaged (in Km)**	**LT lines damaged (in Km)**	**Distribution Transformers damaged (in no.)**	**Expenditure incurred for immediate repair (Rs.in lakh)**

Textile & Handloom Department

Assistance for Handloom Weavers *[Para-9(b) of CRF Norm]*

Sl.	**Name of the District**	**No. of benefic-iaries**	**No. of looms &accessories fully damaged**	**Amount @Rs.2000/-**	**Set raw material fully damaged**	**Amount @Rs.2000/-**	**Total**

Livestock Affected

Sl.	District	Livestock Affected			Total
		Large	Small	Poultry	

Loss of livestock

Name of the District	No of Livestock / Birds lost				
	Milch Animal		Draught Animal		Poultry Birds
	Buffalo/ Cow	Sheep/ Goat	Camel/ Horse/ Bullock	Calf/ Donkey/ Pony	

Provision of fodder / feed concentrate in the cattle camps: *[Para-7 (ii) of Revised CRF Norms]*

Sl. No	Name of the District	No. of cattle camps	No. of large animals affected	Cattle feed supplied @1.3Kg per day for 15 days (in MT)	No. of small animals affected	Cattle feed supplied @0.66Kg per day for 15 days (in MT)	Total cattle feed supplied (in MT)	Amount required (Rs. in lakh) @ Rs.17000 per MT

Assistance to fishermen: *[Para-8 (a) of Revised CRF Norms]*

(Rs. in lakh)

Sl. No	Name of the District	Boat & Net Units fully damaged		Boat & Net Units partially damaged		Total
		No. of Units damaged	Amount @Rs.7500	No. of Units damaged	Amount @Rs.2500	

Desilting / Restoration / Repair of fish farms: *[Para-3 (c) of CRF Norms]*

Sl.	District	No. of fish farms	Total Area of fish farms (hect)	No. of small marginal farmers	Amount required @ Rs.6000/- per hect.(Rs. in lakh)

Input subsidy for fish seed farm:*[Para-8(b) of revised CRF Norms]*

Rs. in lakh)

Sl.	District	No. of fish seed farms affected	Area in hectared	Amount required for input subsidy @ Rs.4000/- per hectare

Amount required for Medical Care for cattle & poultry against epidemics with details :*[Para-13 of revised CRF Norms]*

Agriculture Department

Crop Damage

Sl.	Districts	Crop Area Affected [in Hect.]	Total agricultural area where croploss is > 50%

Assistance Reauired

Agriculture input subsidy where crop loss 50% and above: ***[Para-3(e) of CRF Norm(Small Farmers)***

(Rs. in lakh)

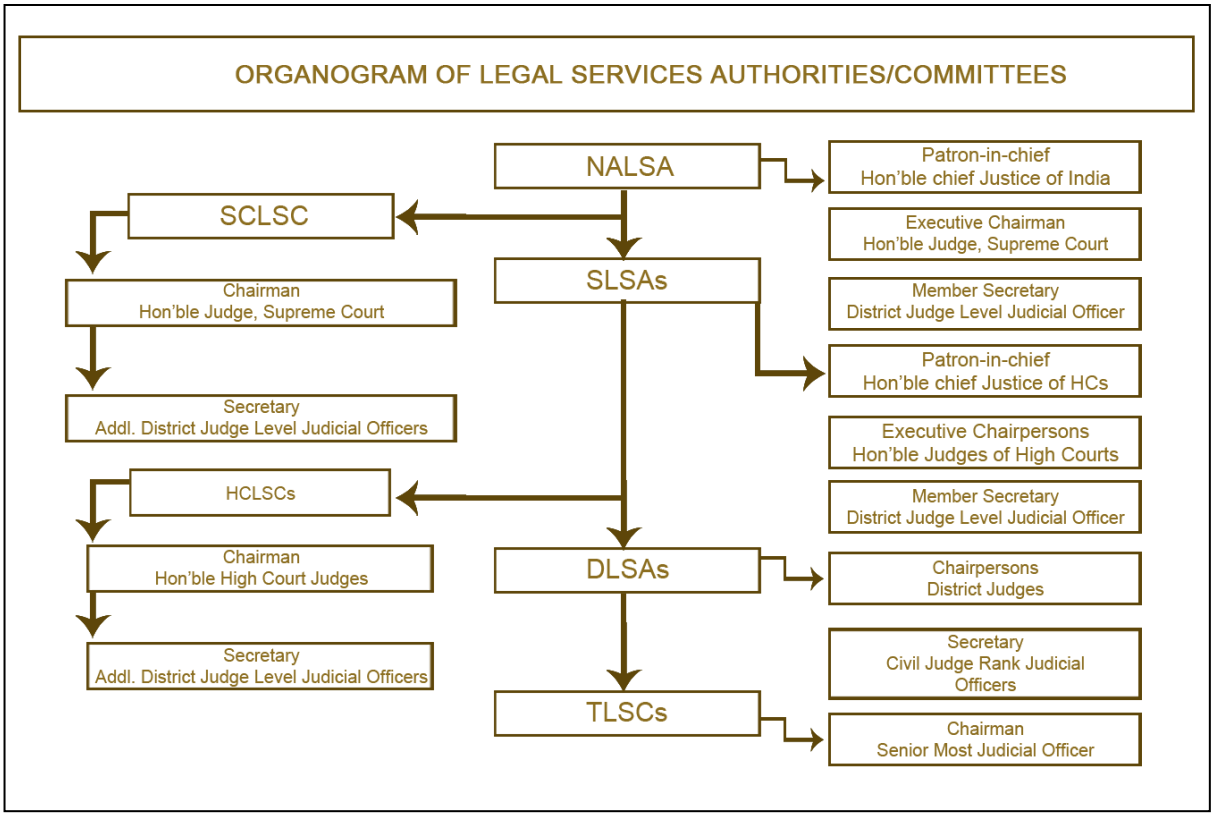
Sl.	Name of the district	Area affected 50% & above			Amount required			Total
		Irrigated [in hect.]	Rainfed [in hect.]	Perennial	Irrigated @Rs.13500/- per hectare	Rainfed @Rs.6800/- per hectare	Perennial @ Rs.18000/ per Hect.	

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.

सत्यमेव जयते

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 buildin committee may be constituted comprising members of School Administration(includi Physical Education Teacher) , officer from nearest fire station/Civil defence post ward Health Service Provider (doctor/nurse/ health worker) from nearest hea 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 n structural weaknesses in the building. Likewise this committee can also identify hazard outsi the school campus particularly the hazard related to road/traffic outside the school buildi industrial (Chemical Hazard) which may be due to location of such an industry in vicinity of t school.

This *Hazard hunt* activity will help in identifying some of the obvious risks l 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 c 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 h 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 an responsibilities during different phases.**

b. **Constitution of sub team and** identification of roles and responsibilities of each of the sul 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 disast helps to minimise the loss of life and prevention of injures caused particularly duri earthquakes for which there is no warning. However certain other hazards like flood, cyclo etc do have early warning system thereby giving some time for taking response. Children bei the future of tomorrow should be ensured a safe learning environment and prepared well respond effectively during disasters. To put this into practice it is recommended that eve school constitute a School Level Disaster Management Committee along with sub committees ensure better preparedness and response in disasters. The various committees constituted i school will comprise of members from among teachers, non teaching staffs as well studer However for certain committee like search and rescue students are not recommended. T 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 personn
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 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. **Mechansim 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.

i. Stretcher.
ii. Ladders.
iii. Thick rope.
iv. Torch.
v. First-aid box.
vi. Temporary shelter(tents and tarpaulins)
vii. Sand buckets.
viii. Fire Extinguishers.

} 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.
iii. Inspection of quality of food getting served during mid-day meal.

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)

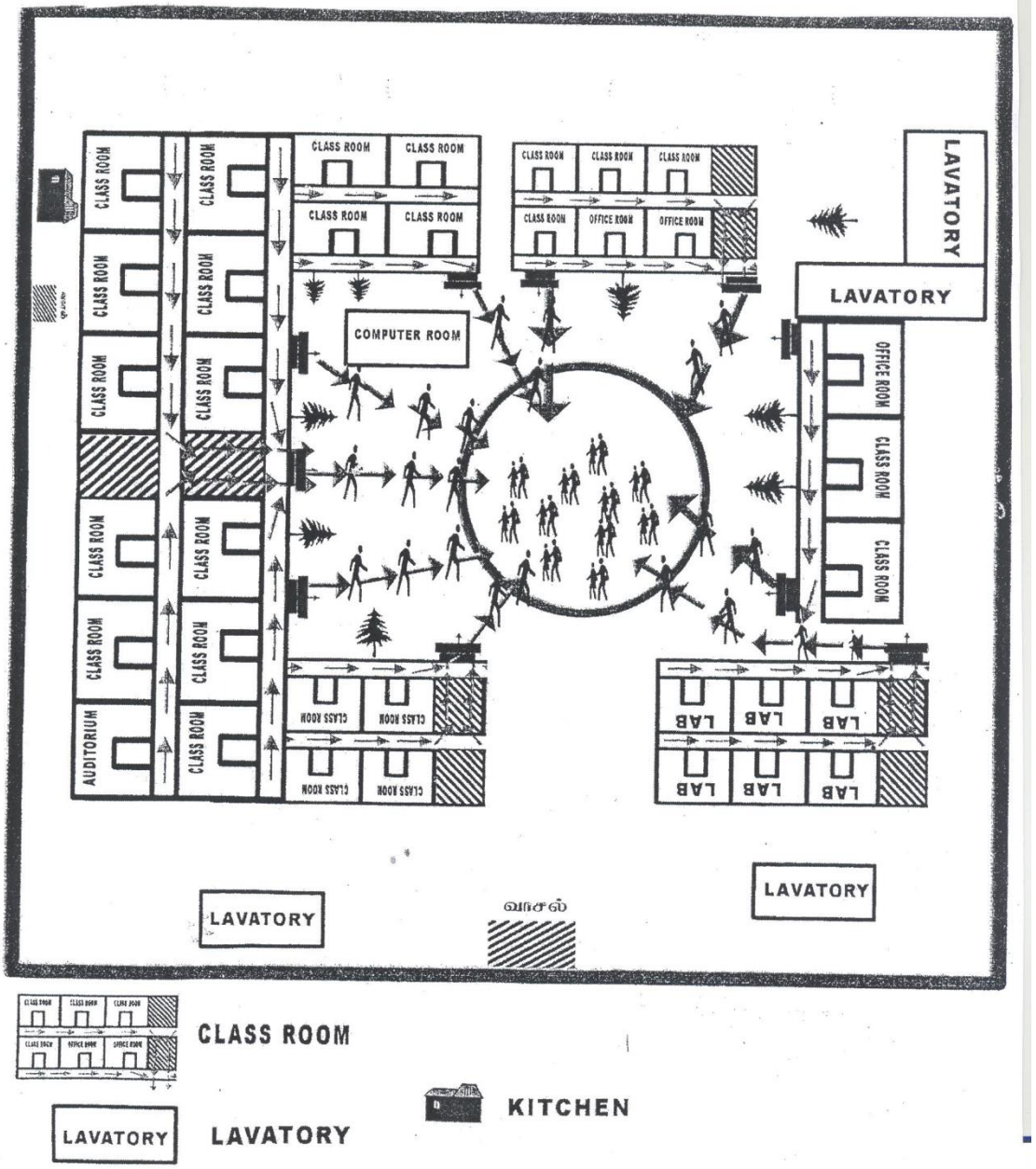
EMERGENCY MANAGEMENT PLAN CHECKLIST

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.