



2024-25

**DISTRICT
DISASTER MANAGEMENT
PLAN**

KOKRAJHAR DISTRICT

DISTRICT DISASTER MANAGEMENT AUTHORITY

DISTRICT DISASTER MANAGEMENT PLAN, 2024-25

Office of the District Commissioner, Kokrajhar

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FOREWORD

Assam as well as Kokrajhar district has been traditionally vulnerable to natural disasters on account of its unique geo-climatic conditions. Flood, droughts and cyclones have been recurrent phenomena. On the other hand, earthquakes of any intensity are unpredictable in this landmass since it falls in the seismic zone V.

The Government of Assam has been laying great emphasis and focus on Disaster Management. There is a need to shift from a relief centric response to a proactive prevention, mitigation and awareness approach. The new approach envisages that development cannot be sustainable unless disaster mitigation is built into the development process. This approach also evolves from the belief that investments in mitigation are much more cost effective than expenditure on relief and rehabilitation.

The Disaster Management occupies an important place in Government Policy making framework, as it is the poor and the under-privileged who are worst affected on account of calamities/disasters and these retard socio-economic development, make poor the poorer and lead to diversion of scarce resources from development to rehabilitation and reconstruction.

Although natural disasters cannot be avoided or prevented, yet with our sincere efforts and continuous integrated planning process, we can implement measures for mitigation and to deal with any disaster through advance preparedness.

This District Disaster Management Plan is basically a summary document giving the details about the hazards, its history, vulnerability analysis, risk assessment and flood management strategy and mitigation plan.

Keeping in view the above aspects and under the guidance of the Assam State Disaster Management Authority, Guwahati, the District Disaster Management Authority, Kokrajhar has made an Endeavour to prepare this Disaster Management Plan for Kokrajhar District.

I believe that this document will go a long way in helping the District Administration in tracking any disastrous situation in a systematic manner. Unintentional mistake, if any, in this document may kindly be brought to the notice of District Administration for necessary rectification.



(Pradip Kr. Dwivedi, IAS)

**District Commissioner cum Chairman
District Disaster Management Authority
Kokrajhar.**

**Date: 11-01-2024
Place: Kokrajhar**

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CHAPTER-1

INTRODUCTION

Under the DM Act 2005, it is 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. These processes are to be incorporated in the developmental plans of the different departments and preparedness 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.


VISION:

The District of Kokrajhar, situated on the north-west part of Assam has always been at the centre stage of natural calamities like floods, cyclones, earthquake, epidemics etc. Keeping in mind these very probable disasters in the district that cause major setbacks to lives, livelihoods and property (both movable and immovable), the District Administration, Kokrajhar district administration felt the urgency of the need of preparing an emergency response planning. The devastation caused by floods and cyclones has posed a challenge before the Kokrajhar district administration to analyse each and every decision-making process to gear up the rescue and restoration during such situations as well as building up the capacity to face further calamities in future. The District Administration has realized the necessity to compile a plan to prevent/minimize the loss and also to facilitate faster recovery during an emergency of this kind. This booklet is more of a guidebook, which can help the administration, remains better prepared for floods and earthquake to safeguard the lives, livelihood and property.

Objectives and Goal of the Plan

Under Section 31 of Disaster Management Act 2005 (DM Act) makes it mandatory to have a disaster management plan for every district. DDMP shall include Hazard Vulnerability Capacity and Risk Assessment (HVCRA), prevention, mitigation, preparedness measures, response plan and procedures. An indicative list with possible plan objectives is given below:

- ✓ 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.
- ✓ Reduce the loss of public and private property, especially critical facilities and infrastructure, through proper planning.
- ✓ Manage future development to mitigate the effect of natural hazards in the district.
- ✓ To set up an Emergency Operations Centre at the District level to function effectively in search, rescue, response.
- ✓ To develop the standardized mechanism to respond to disaster situation to manage the district efficiently.
- ✓ To set up an early warning system so as to prepare the community to deal with the disaster and responsive communication system based upon fail-proof proven technology.

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- ✓ 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.

Scope of the Plan:

The major scopes of the District Disaster Management Plan are as follows:

- The District Disaster Management Plan (DDMP) is the guide for achieving the objective i.e. mitigation, preparedness, response and recovery.
- This Plan prepared to respond to disasters with sense of urgency in a planned way to minimize human, property and environmental loss in the district.
- The plan helps to develop inter-departmental coordination to combat any disaster in a systematic and structured way in the district.
- The DDMP helps to identify the vulnerability of different parts of the district to different forms of disasters
- The DDMP will guide to achieve mainstreaming DRR into developmental project and activities conducted by the District Administration.
- The DDMP will enhance capacity-building and preparedness measures in the district
- The DDMP will assign the roles and responsibility of each department in relation to prevention, mitigation, preparedness, capacity building, response and rehabilitation.
- The DDMP will also clarify the roles and responsibilities of community-based organizations, international and national non-governmental organizations in activities of capacity building, response and relief.



DISTRICT AT A GLANCE

1:1 GENERAL

Kokrajhar is one of the 35 (thirty-five) districts of the state of Assam and can be said to be the gateway to the north-eastern region of India. Both road and rail networks touch this district at Srirampur before they go on to other districts in Assam and the other north-eastern states. The district has a total area of 3,169.22 sq. Km and a total population of 8, 86,999 as per Census, 2011 on transfer of some areas under newly created Chirang district in 2003. Kokrajhar district is located on the north bank of the river Brahmaputra that slices the state of Assam into two, identified as north and south banks. Geographically the district lies roughly between 89.46' to 90.38' east longitudes and between 26.19' to 26.54' north latitudes. The district is bounded on the north by the Himalayan Kingdom of Bhutan, by Dhubri district on the south, Chirang district on the east and the interstate boundary of West Bengal on the west.

1:2 HISTORY

Kokrajhar was originally a part of the undivided Goalpara district. Till 1956, it was merely a small village with a railway station that connected it to the rest of the world. In 1957, a new Civil Sub-division was created after carving out the northern part of Dhubri Sub-division and some parts of Goalpara Sub-division. The area covered by the then Kokrajhar Sub-division consisted of five tracts of the Eastern Dooars, viz., Bijni, Sidli, Chirang, Ripu and Guma with a total area of 4,065.88 sq. km.

On the 1st of July, 1983 the Kokrajhar Sub-division was upgraded into Kokrajhar district with the headquarters at Kokrajhar town. There were four police stations in the old district and presently it has eight Police Stations. The area of the district then extended from the river Manas in the east to the Sonkosh to the west.

In 1989, there was further reorganization of the districts and some new districts were created. Thus, about 40% of the total geographical area of Kokrajhar district was carved out for inclusion in the new district of Bongaigaon. The area delineated from Kokrajhar district to Bongaigaon covers the entire Bijni Revenue Circle along with about 347.50 sq. km of Sidli Circle. Later on, 20 villages of Nayekgaon G.P. with a total area of 40.22 sq. km under Chapar Revenue Circle of Dhubri district was transferred to Kokrajhar district. Consequently, upon creation of Bodoland Territorial Council under Sixth Schedule to the Constitution of India in the year 2003, the Kokrajhar district was reorganised by inclusion of villages from Dhubri district. Again, the Chirang district was created after formation of Bodoland Territorial Council. The present geographical area of Kokrajhar district is estimated to be 3,169.22 sq. km. The district now has three revenue subdivisions- Kokrajhar, Gossaigaon and Parbatjhora.

1:3 LOCATIONS

The Kokrajhar District roughly lies between 89°46' to 90°38' east Longitude and between 26°19' to 26°54' N latitude. The northern side of the district is bounded by the Indo-Bhutan International boundary and the southern side by Bongaigaon and Dhubri District. The Chirang and the Bongaigaon District falls in the east and the Dhubri District and West Bengal in the west. (*Figure.1 Map of Administrative Units*)

1:4 AREA, POPULATION AND ADMINISTRATIVE UNITS

Sl. No.	PARTICULARS	DETAILS IN FIGURE
1	Geographical area	3169.22 Sq. Kms
2	Population	8,86,999 (As per 2011 census)
3	No. of Sub-Divisions	03 (Kokrajhar, Gossaigaon, Parbatjhora Hq. at Kazigaon)
4	No. of Circle	05 (Kokrajhar, Dotma, Bhawraguri, Gossaigaon, Bagribari)
5	No. of Blocks	11 Kokrajhar, Dotma, Gossaigaon, Kachugaon, Hatidhura, Golokganj-BTC, Bilasipara-BTC, Chapar- Salkocha-BTC, Rupshi-BTC, Debitola-BTC, Mahamaya-BTC.
6	No. of VCDCs	130
7	No. of Villages	966 inhabited out of total 1010
8	Total Nos. of Police Stations	PS-08, OP-13 Kokrajhar PS, Gossaigaon PS, Fakiragram PS, Kacugaon PS, Serfanguri PS, Dotma PS, Kazigaon PS, Bogribari PS, Salakati OP, Garufella OP, Tulsibil OP, Bishmuri OP, Bhowraguri OP, SapkataOP, Patgoan OP, Karigaon OP, Cithila OP, Simultapu OP, Saraibil BOP, Rupshi OP, Grahampur OP.
9	Major Rivers	Sonkosh, Gurufella, Hell, Gongiya, Saralbhaga, Longa (Loska), Gaurang, Champa
10	Communication Facilities	Road, Railway, Airways (Kokrajhar to Guwahati, 250Kms by Road & 150 by Railway)

1:5 NATURAL CALAMITIES

Flood occurs generally in the low-lying areas of the district during May to August every year. Late flood during the later part of September & October also occurs. The occurrence of flood in the district is due to the a few rivers and its tributaries. During rainy days Kokrajhar town also witnesses localised flood due to poor drainage system. Besides, the district is located in the most seismically active region of the country i.e., zone V.

1:6 POPULATIONS

The district has a total of 8, 86,999 population as per 2011 census. Thus, nearly 97.59% of the total populations of the district live in villages. Out of the total population, 4, 52,965 are Males and 4, 34,034 are Females. Literacy rate of Kokrajhar is 66.63% of which 73.44% are males and 59.54% are females (*Figure 10: Population Distribution Map of Kokrajhar District*)

1:7 GEOLOGY AND GEOMORPHOLOGY

The Soil condition of District is a heterogeneous one. The Soil of the northern part of the district is clayey and loamy whereas middle part is loamy and sandy. The Soil of the southern part of the district is composed of sandy soil.

1:8 PHYSICAL FEATURES:

The entire area of the district is situated at the foothills of Himalayas. The rivers and tributaries of the district originated from the foothills of the Himalayan Range and are wild in nature and have enormous contribution towards the agrarian economy of the district (*Figure 13: Topographic & River Map*)

1.8.1 RIVER SYSTEM OF THE DISTRICT:

The water that flows along natural dongs and canals are the main source of irrigation for the agricultural fields. The Bhutan hills are also the source of a number of rivers that flow through the district and act as tributaries of the mighty Brahmaputra that flows from east to west far from the southern boundary of Kokrajhar district. The important rivers of the district that flow from north to south are the Champamati, the Gaurang, the Tipkai and the Sonkosh. There are other rivulets like the Bhur and the colourfully named Laopani. All the rivers and rivulets flowing through the district have their origin in the Bhutan hills (*Figure 13: Topographic & River Map*).

Average yield of main rivers flowing through Kokrajhar District.					
SI NO.	NAME OF RIVER	GAUGING STATION	ANNUAL YIELD (MCM)		
			AVERAGE	MONSOON AVERAGE	NON-MONSOON AVERAGE
1	Champamati	Sahalpur	3567.40	2391.25	1176.15
2	Gaurang	NH Road Crossing	4312.26	3576.37	735.89
3	Tipkai	Khoraghat	7685.41	5712.01	1973.40
4	Sonkosh	Srirampur	17196.90	12118.49	5078.41


1.8.2 MAJOR RIVERS UNDER KOKRAJHAR DISTRICT

The Kokrajhar W.R. Division has been established in the year of 1984 which comprises of 2 (two) W.R.Sub-Division viz 1.Kokrajhar W.R Sub-Division & 2 Gossaigaon W.R. Sub-Division. This Division deals with the flood and erosion problems in the jurisdiction of entire Kokrajhar District. The major river falls under Kokrajhar W.R. Division are 1. Champamoti, 2 Tarong, 3. Gaurang, 4. Saralbhangha, 5. Longa, 6. Hel, 7. Gongia, 8. Guruphella, 9. Sankosh.

River Champamati: - The river Champamati originates from Bhutan foothills and traversing through the Chirang reserve forest enters the Kokrajhar District and ultimately outfalls into the river Brahmaputra. The water level at the river started rising from 1st half of June/2022 and reached its peak value 64.02m against DL 65.52m on 16.07.2020. During peak value of water level, the river eroded the villages Kaulabhasha, Majpara and Auzarguri. Palliative measures in the form of bamboo structure & earth filling cement bags were taken up at Kauniabhasha.

River Tarrang: -The river Tarang originates from the catchment area of Chirang forest and after meeting with river Gaurang near Kaimari out falls into river Brahmaputra. The water of the river starts rising from 1 week of June/2022 and attains its peak in July/2022 when villages Sonamoyeepara and its adjoining areas got inundated. Also, village Bhramara, Sonamayeeepara were eroded while the flood wave receded. Palliative measures are taken up at Ghoramara villages to arrest the erosion.

River Gaurang: - River Gaurang originates from Bhutan foothills and after traversing through Chirang reserve forest it meets with river Saralbhangha and Samukha near Chandrapara and ultimately outfalls into the river Brahmaputra. The water level starts rising from 3rd week June/2022 and attains its peak value 42.44m against DL-42.85m on 25/07/2022 and remains below danger level throughout the month. In July the water level again starts rising from 03/07/21/07/2022 and crosses the DL when it reaches value of 43.15m against DI 42.85m on



21/07/2022 During this flood season. The Chechapani village (Kokrajhar Tea Garden), Baruapara village, Mahajanpara got inundated. The roads bund in villages Chechapani and Baruapara were badly damaged and vast area of the villages Chechapani, Baruapara, Mahajanpara, Bamungaon-II & IV were eroded. No major works were taken upto restore the damages. However, Proposal made under BTC head to protect villages Chechapani, Baruapara and a project A/E measure to protect village Bamungaon, is proposed to be taken up under FMP.

River Saralbhanga: - River Saralbhanga originates from Bhutan foothills and traversing through deep forest it enters into the plan area of Kokrajhar district and meet with river Gaurang at Chandamari 2 KM U/S of Kokrajhar Town and ultimately outfalls into the river Brahmaputra. As rain fall starts the water level starts rising from June/2020 and attains its peak value 65.95m against DL-65.92m and LR Bridge Patgaon when the embankment from Ranighat to Maoriagaon 4.40km damaged partially due to rain cut etc. and continuous bank erosion occurred at Pakriguri, Mariagaon, Ranighat, Thalitbari and Balapara. Palliative measures taken up.

Longa: -The river Longa originates from Bhutan foothills after travelling deep forest it follows through sub plain area of Kokrajhar district and it meets with the river Gangia and falls into river Tipkai which finally out falls into the river Brahmaputra. The river during flood period of 2022 raises its water level in June. The raising of this river is similar with the river Saralbhanga. During last flood, it was observed erosion on its banks at different places like Debrgaon, Laudonga, Guwabari, Habrubarl, Palliative measures taken up at the said places. Severe erosion occurred in July/2022.

Hel: - The river Hel originates from Bhutan foothills, after traveling through deep forest. It coincides with the river Gangia at Durabil and flows as the river Gangia and finally outfalls into the river Brahmaputra, as Joyma and Tipkai.

Gangia: -The river Gangia is flashy type of river of high gradient with high velocity which is originates from foothills of Bhutan and travelling deep forest cultivated and homestead land. The river Gangia meets with the Hel River at 1.5 km D/5 of Gangia bridge NH-31 (C), Longa also meets River Gangia near Kachukata village and finally the river coincides with the river Joyma at Asharikandi Kartimari near Sapatgram and outfalls into the river Brahmaputra as river Tipkai. During last flood period (i.e. in 2022) severe erosion observed at Oxiguri, Harinpur (Mukuldang No I), Bamunigaon, Bhutiapara, Alengmari, Luchutbil, Umanagar and Anthihara. Palliative measures taken up to take measures at Luchutbil, Badlagaon, Oxiguri and Umanagar, Toktokipara, Mahishbathan, Khejurbari, Faluguri & Rimijhimi.

Guraphella: - After coinciding two rivers namely Jakati and Janali originating from Bhutan foothills the river flows as the river Guraphella travelling through alluvial soil and then the river confluence with river Gangia and finally out falls into the river Brahmaputra

Sonkosh: - The river originates from Bhutan foothills, travelling through deep forest of Bhutan, Kachugaon (Assam) and West Bengal border area finally outfalls into the river Brahmaputra as Gangadhar in Bangladesh via boarder from Golokganj of Dhubri district. Raising of flood water level starts from 1st week of June/2020 as flood level record register of the river DL is 48.50m Bajugaon on L/B. During 2020 peak value recorded 48.80m on 27/07/2020. During last flood period severe erosion observed at Simlabari, Khokshaguri, Mazadabri, Haldibari, Dainamari Bund and Garumararchar Protective measure were taken up at Garumararchar under SOPD (BTC) and palliative measures carried out at the damaged portion of the Dainamari bund.



1:9 CLIMATE AND RAINFALL:

Agro-climatically, the district falls under the lower Brahmaputra Valley zone and experiences a humid sub-tropical climate with high rainfall and humidity. The district receives rainfall due to the influence of South West tropical monsoon during the period from April to October with occasional winter showers.

The average rainfall in the district varies between 2400-3000 mm annually.

Average humidity : 78%
Max. Temperature : 35-37 degree C
Minimum Temperature : 10-12 degree C

RAINFALL IN KOKRAJHAR DISTRICT	
Year	Rainfall Amount(mm)
2014	2871.44
2015	3442.30
2016	1838.96
2017	2175.94
2018	1981.42
2019	3191.44
2020	4385.40
2021	2625.60
2022	3544.40
2023	2596.70

CHAPTER-2

DISTRICT DISASTER MANAGEMENT PLAN (DDMP)

2.1 Plan Development:

The preparation of District Disaster Management Plan involves the following steps:

STEPS	WHAT IS TO BE DONE	WHO ARE TO BE INVOLVED	HOW IT IS TO BE DONE
I	Review and Analysis	Deputy Commissioner, CEO-DDMA, Project Officer-ASDMA, FO (DM), BDOs, VCDC's, Village Community, NGOs/CBOs, Community/ Village level workers	<ul style="list-style-type: none"> ▪ 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	Circle Officer, FO (DM), BDOs, Line Departments, VCDC's, Village Community, NGOs/CBOs, Community/Village level workers	<ul style="list-style-type: none"> ▪ Mapping the geography and topography of the risk prone areas, block-wise, VCDC-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	-do-	<ul style="list-style-type: none"> ▪ 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	-do-	<ul style="list-style-type: none"> ▪ 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 (if any), ailing people, etc. ▪ Identification of property or assets which are likely to be affected, such as, cattle and other livestock's, kachcha houses, weak structures, pumpsets, 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	-do-	<ul style="list-style-type: none"> ▪ Identification of the existing resources which may help to reduce risks to life and property ▪ Identification of the raised platform, safe houses and hillocks 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.

STAKEHOLDERS AND THEIR RESPONSIBILITIES

At State HQ level - the State Disaster Management Authority and the Office of the Commissioner of Relief (CoR), Revenue Department, are the major institutions in the State that deal with all the phases of disaster management. All the major line departments of the State Government and the emergency support function agencies converge into SEOC during disasters.

At the District level, District Disaster Management Authority (DDMA), with the Deputy Commissioner designated as Response Officer (RO), and other line departments at district HQ are responsible to deal with all phases of disaster management within district. The DDMA, Kokrajhar has already notified the Incident Response System (IRS) as well as the Incident Response Team (IRT) in the district to response any kind of emergency situation in the district. (Detail will be annexed).



Other technical institutions, community at large, local self-governments, NGOs etc. are also stakeholders of the District Disaster Management Pan. The role of the stakeholders has been prepared with the sole objective of making the concerned organizations understand their duties and responsibilities regarding disaster management at all levels and accomplishing them.

The District Commissioner or DDMA has the following duties:

- To facilitate and coordinate with local Government bodies to ensure that pre and post disaster management activities in the district are carried out.
- To assist community training, awareness programmes and the installation of emergency facilities with the support of local administration, non-governmental organizations and the private sector.
- To function as a leader of the team and take appropriate actions to smoothen the response and relief activities to minimize the adverse impact of disaster.
- To recommend the Commissioner of Relief (CoR) and State Government for declaration of disaster.

Local Authorities (ULBs, Council etc.) and other Line Departments have the following duties:

- To help the District Commissioner in disaster management activities
- 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.
- To undertake capacity building measures and awareness and sensitization of the community
- To ensure that all construction projects under it conform to the standards and specifications lay down.
- 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.
- Trust / Organizations managing Places of Worships & Congregation
- Each establishment / organization identified as –critical infrastructure and key resource,

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 Deputy Commissioner.
- 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 Deputy Commissioner or DDMA 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 familiarize themselves with their role in disaster management.

Citizens:

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



How to use the District Disaster Management Plan:

- Section 31 of DM Act 2005 makes it mandatory for every district to prepare a disaster management plan, for the protection of life and property from the effects of hazardous events within the district.
- In significant emergencies or disasters, Deputy Commissioner or the Chairperson of DDMA will have the powers of overall supervision direction and control as may be specified under State Government Rules / State Disaster Management Plan guidelines.
- The district EOC will be staffed and operated as the situation dictates. When activated, operations will be supported by senior officers from line departments and central government agencies; private sector and volunteer organizations may be used to provide information, data and resources to cope with the situation.
- The DDMA may recommend for action under Sec 30 of DM Act.
- Facilities that have been identified as vital to operation of the district government functions have been identified.
- The Deputy Commissioner or his/her designee will coordinate and control resources of the District.
- Emergency public information will be disseminated by all available media outlets through the designated media and information officer.
- Prior planning and training of personnel are prerequisites to effective emergency operations and must be considered as integral parts of disaster preparations.
- Coordination with surrounding districts is essential, when an event occurs, that impacts beyond district boundaries. Procedure should be established and exercised for inter district collaboration.
- When local resources prove to be inadequate during emergency operations, request for assistance will be made to the State or higher levels of government and other agencies in accordance with set rules and procedures.
- District authority will use normal channel for requesting assistance and/or resources, i.e., through the District Emergency Operations Center (DEOC) to the State EOC. If state resources have been exhausted, the state will arrange to provide the needed resources through central assistance.
- The District EOC will coordinate with the State EOC, Agencies of the Govt. of India like IMD / CWC to maintain up to-date information concerning potential flooding, Storm/ Lightning etc. As appropriate, such information will be provided to the citizens of the affected areas in the district.
- Upon receipt of potential problems in the district areas, DEOC / designated officials will appropriately

issue alert and notify action to be taken by the residents.

- Disaster occurrence could result in disruption of government functions and, therefore, all levels of local government and their departments should develop and maintain procedures to ensure continuity of Government action.

It is necessary that for Suo-moto activation of the agencies involved in the disaster management, the institutional trigger mechanism should be there so that every agency takes its assigned role at the time of such disaster. There will be three types of Trigger mechanism that will be set up depending upon the warning signals availability as mentioned below:

Warning Signal Available:

In such case the Govt. of India / State Govt. has authorized agencies generating such early warning signals; in case the matter is very urgent needing action at Revenue Circle/Village levels, the alerts and action points will go directly to all concerned. Arrangements need to be in place to ensure prompt receipt of these signals and action thereon. After such warning/advisory received by the State Govt., the SEOC will communicate it to the DEOC urgently. The DEOC will communicate such warning to the departments at the district level. Presently, Assam State Disaster Management Authority (ASDMA) has following authorized warning system;



1. Weather Early Warning System issued by IMD on Monthly, Weekly and Three hourly basis
2. Flood Level Early Warning System (FLEWS) issued by NESAC during monsoon season on 48 hourly bases
3. Lightning Early Warning System issued by Earth Network

The information flow in such cases will be as follows: -

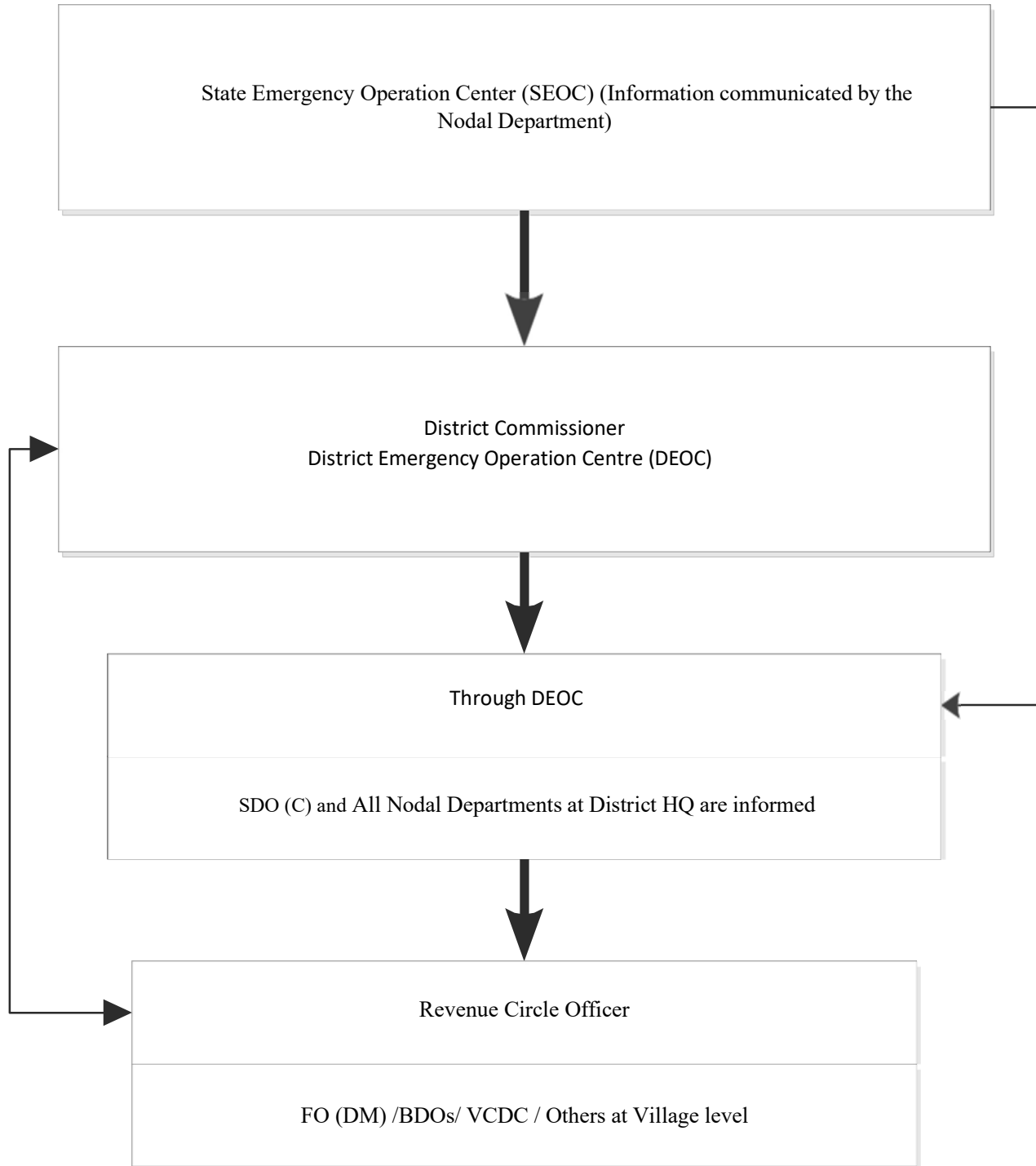


Figure 2: With warning Information flows from Top - Down Without Early Warning Signal:



When disaster occurs without any early warning in that case the information starts from the place of incident through government agency or otherwise and the institutional mechanism in such cases will be as follows: -

- The concerned village will report to the VCDCs, RCOs, Local Police Stations/SDO/DEOC and the information will be sent to the Deputy Commissioner.
- The DDMA will assess the information and assess the disaster to be of the level L0, L1, L2 or L3.
- The DEOC will be activated and if required the SEOC will be kept at alert if assistance needed; otherwise, information of the incident will be passed on to SEOC.
- The DDMA will convene the meeting of Incident Response Team/ DDMC and plan the management of disaster as Incident Response Plan.
- The respective Incident response teams will be rushed to the site for effective management

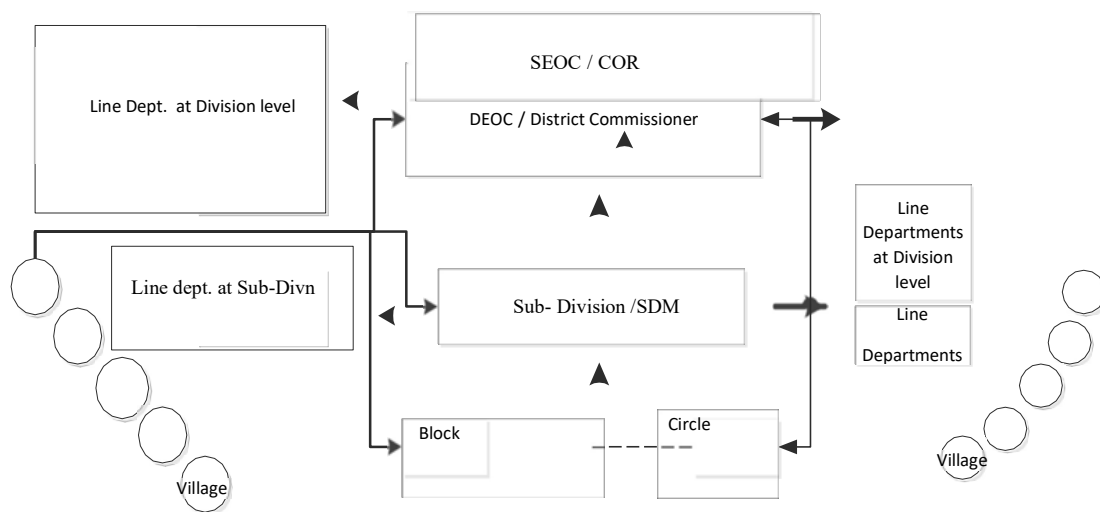


Figure 3: Without Warning – Information, generally, should flow from Bottom side– up but it is a crisscross scenario

The disaster response structure will be activated on the receipt of a disaster warning or on the occurrence of a disaster by the Deputy Commissioner as Responsible Officer. The occurrence of a disaster may be reported by the concerned monitoring authority to the Commissioner of Relief/SDMA by the fastest means. The SDMA/SEC will activate all departments for emergency response including the State EOC, District EOC, police personnel and ERCs. In addition, they will issue instructions to include the following details:

- Exact quantum of resources (in terms of manpower, equipment and essential items from key departments/stakeholders) that is required.
- The type of assistance to be provided.
- The time limit within which assistance is needed.
- Details of other Task/Response Forces through which coordination should take place.
- The State EOC, ERCs and other control rooms at the State level as well as district control rooms should be activated with full strength.



Approval Mechanism of the Plan:

As defined in Section 30 of DM Act 2005, DDMA shall act as the district planning; coordinating and implementing body for disaster management and take all measures for the purpose of disaster management in the district in accordance with the guidelines laid down by the National Authority and the State Authority.

Accordingly, the District DM plan is prepared by the District Disaster Management Authority (DDMA) under the guidance of District Authority, after consultation with the local authorities and having regard to the National DM Plan and the State DM Plan.

It is recommended that a DDMP will be internally reviewed on a yearly basis and either be updated or reaffirmed. The updates or reaffirmed document may also be used to summarize the accomplishments of the past year and help the administration to prioritize mitigation goals for the next year.



CHAPTER-3

MULTI-HAZARD DISASTER MANAGEMENT & RESPONSE PLAN

3.1 INTRODUCTION:

Disaster refers to a serious disruption of the functioning of a society, causing widespread human, material, or environmental loss, which exceeds the ability of the affected society to cope using its own resources. To put it in other words, it is the occurrence of a sudden mishap/calamity/grave occurrence that disrupts the basic fabric and normal functioning of a society (or community).

3.2 VISION:

The District of Kokrajhar, situated on the north-west part of Assam has always been at the centre stage of natural calamities like floods, cyclones, earthquake, epidemics etc. Keeping in mind these very probable disasters in the district that cause major setbacks to lives, livelihoods and property (both movable and immovable), the District Administration, Kokrajhar district administration felt the urgency of the need of preparing an emergency response planning. The devastation caused by floods and cyclones has posed a challenge before the Kokrajhar district administration to analyse each and every decision-making process to gear up the rescue and restoration during such situations as well as building up the capacity to face further calamities in future. The District Administration has realized the necessity to compile a plan to prevent/minimize the loss and also to facilitate faster recovery during an emergency of this kind. This booklet is more of a guidebook, which can help the administration, remains better prepared for floods and earthquake to safeguard the lives, livelihood and property.

3.3 OBJECTIVES:

The objectives behind the preparation of the District Disaster Management Plan are:

- To mitigate impact of natural and man-made disasters through preparedness at District, Sub-division, Circle, Block, VCDC 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 disseminate factual information in a timely, accurate and tactful manner while maintaining necessary confidentiality.
- To develop immediate and long-term support plans for vulnerable people in/during disaster.
- To create awareness among the people about hazard occurrence and increasing their participation in preparedness, prevention, development, relief, rehabilitation and reconstruction process.
- 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.



3.4 PERSPECTIVE:

A formal plan for managing disaster would include:

- Pre planning a proper sequence of response actions.
- Allocation of responsibilities to the participant agencies.
- Developing codes and standards operating procedures for various departments and relief agencies involved.
- Inventory of existing facilities management of resources.
- Coordination of all relief activities including those of NGOs to ensure a coordinated and effective response.
- Testing the plan including mock drills.
- Defining levels of acceptable risk.
- Monitoring and evaluation of actions taken during relief and rehabilitation.

3.5 STRATEGY:

The preparation of a Disaster Preparedness Plan involves the following steps:

STEPS	WHAT IS TO BE DONE	WHO ARE TO BE INVOLVED	HOW IT IS TO BE DONE
I	Review and Analysis	District Commissioner, CEO-DDMA, Project Officer-ASDMA, FO(DM)s, BDOs, VCDC's, Village Community, NGOs/CBOs, Community/ Village level workers	<ul style="list-style-type: none"> ▪ 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	Circle Officer, BDOs, Line Deptts, VCDC's, Village Community, NGOs/CBOs, Community/Village level workers	<ul style="list-style-type: none"> ▪ Mapping the geography and topography of the risk prone areas, block-wise, VCDC-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	-do-	<ul style="list-style-type: none"> ▪ 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	-do-	<ul style="list-style-type: none"> ▪ 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 (if any), ailing people, etc. ▪ Identification of property or assets which are likely to be affected, such as, cattle and other livestock's, Kutcha houses, weak structures, pumpsets, 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	-do-	<ul style="list-style-type: none"> ▪ Identification of the existing resources which may help to reduce risks to life and property ▪ Identification of the raised platform, safe houses and hillocks 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.



CHAPTER-4

HAZARDS AND VULNERABILITY ANALYSIS

4.1 OVERVIEW:

There is abundant evidence that natural disasters disproportionately affect developing countries. Between 1991 and 2005, more than 90% of natural disaster deaths and 98% of people affected by natural disasters were from developing countries. Moreover, disasters are increasing in number and size every year due to a number of factors including rapid population growth, urbanization and climate change.

4.2 DEFINITIONS:

DISASTER: -

Disaster is defined as the occurrence of a sudden or major misfortune, which disrupts the basic fabric and normal functioning of a society (community). It is an event or series of events which gives rise to casualties and/ or damage or loss of property, infrastructure, essential services or means of livelihood on a scale that is beyond the normal capacity of the affected communities to cope with unaided.

HAZARDS: -

Hazards are defined as “Phenomena that pose a threat to people, structure or economic assets and which may cause a disaster. They could be either manmade or natural occurring in our environment.

VULNERABILITY: -

It is defined as “the extent to which a community, structure, service and geographic area is likely to be damaged or disrupted by the impact of particular hazard, on account of their nature, construction and proximity to hazardous terrain or a disaster-prone area”. The degree of vulnerability depends on the condition of human settlements and the infrastructure, the way in which public policy and administration is engaged in disaster management, the level of information and education available about various hazards and how to deal with them. (Annexure -I & Figure 11 showing flood vulnerable areas of the District)

4.3 TYPES OF VULNERABILITY:

PHYSICAL VULNERABILITY: -

It relates to the physical location of people and elements at risk buildings, infrastructures etc and their proximity to the hazard. The list of vulnerable structures attached in Annexure- V & VI.

SOCIO-ECONOMIC VULNERABILITY: -

This relates to the degree to which a population is affected by the calamity in relation to the prevailing social and economic conditions. The impact of a disaster is determined by the event, its effects on people and their environment, as well as the consequential effect on human activities within a given society.

CAPACITY: -

Capacity is the resources of individuals, households and communities to cope with a threat or resist the impact of a hazard.

RISK: -

Risk is a measure of the expected losses due to a hazard/ event of particular magnitude occurring in a given area over a specific time period. Risk is a function of the probability of particular occurrences and the losses each would cause.

4.4 CLASSIFICATION OF HAZARDS:

The High-Power Committee of the Govt. of India has classified the hazards as follows:

1. Water and Climate Related	1. Floods and Drainage management 2. Cyclone 3. Tornadoes & Hurricanes 4. Hailstorm 5. Cloud burst 6. Snow Avalanches 7. Heat & Cold Waves 8. Thunder & Lightning 9. Sea Erosion 10. Droughts
2. Geological Related	11. Earthquakes 12. Landslides & Mudflows 13. Dam Bursts & Dam Failures 14. Mine Fires
3. Chemical Industrial and Nuclear Related	15. Chemical and Industrial Disaster 16. Nuclear Disasters
4. Accident Related	17. Road, Rail and other Transportation accidents including Waterways 18. Mine Flooding 19. Major Building Collapse 20. Serial Bomb Blasts 21. Festival Related Disasters 22. Urban Fires 23. Oil Spill 24. Village Fires 25. Boat Capsizing 26. Forest Fires 27. Electrical Disasters & Fires
5. Biological Related	28. Biological Disaster & Epidemics 29. Flood Poisoning 30. Epidemics 31. Pest Attacks

a. HAZARDS SPECIFIC PRONENESS IN KOKRAJHAR DISTRICT:

VULNERABILITY ANALYSIS OF KOKRAJHAR DISTRICT

▪ EARTHQUAKE:-

As per the latest seismic zoning map of India, the Kokrajhar district falls under High-Risk Zone-V, where a maximum intensity of IX can be expected. However, district has experienced number of earthquakes with epicentres. (Figure 14)

▪ FLOOD:-

The general reason of occurrence of flood in Kokrajhar district is due to overflow of river Saralbhangra, Sonkosh, Gaurang, Hell, Gangiya, Champa and their tributaries.

Year	No of Occurrence	Magnitude ranges from
2014	6	3.5-4.2
2015	1	5.6
2016	0	0
2017	0	0
2018	4	3.5-5.8
2019	1	3.4
2020	5	2.6-3.8
2021	5	2.8-4.9
2022	3	2.9-3.2
2023	0	0

Table 4: Showing No of Occurrence of Earthquakes of last 10 years



▪ **SOIL EROSION:-**

All rivers flowing in the district has moderate to severe erosion.

▪ **FIRES:-**

The fire takes places in Kokrajhar district mainly due to short circuit and careless handling of domestic LPG cylinders in the houses. Mainly fire takes place from January to April when the climate remains very dry and probability is more instance of fire breakout.

▪ **CYCLONE/THUNDERSTORM/LIGHTNING:-** Cyclone affects in all Revenue Circles.

The following table shows the Seven years Hazard wise Incidents in the District

Hazard Type	Year of Occurrence	No of Affected Villages	No of Affected Household	No of Affected people	No of Human Lives Lost	No of Cattle lost
Thunderstorm	2017	689	19993	86815	0	5
	2018	128	2008	9658	1	0
	2019	127	2867	11994	0	0
	2020	205	6926	21298	0	0
	2021	298	3974	12698	0	2
	2022	152	3040	13841	1	0
	2023	191	3601	19438	0	3
Lightning	2017	1	1	3	0	2
	2018	4	6	9	3	1
	2019	6	6	13	2	0
	2020	4	3	2	6	1
	2021	3	6	1	1	2
	2022	19	2	27	2	13
	2023	39	0	12461	2	31
Flood	2017	373	25857	151060	4	0
	2018	12	274	1598	0	0
	2019	483	43075	217794	0	0
	2020	4	46	242	4	0
	2021	2	25	123	0	0
	2022	442	60	97442	2	17867
	2023	384	3	8719	0	645
Fire	2017	2	0	0	0	0
	2018	6	1	9	1	0
	2019	7	6	30	0	2
	2020	5	12	52	0	0
	2021	10	7	34	0	0
	2022	31	65	70	0	0
	2023	15	30	79	0	0

Source: Based on Preliminary reports.

b. DISASTER SPECIFIC PRONENESS TO VARIOUS TYPES OF HAZARDS IN KOKRAJHAR DISTRICT:

The following table depicts about the various type of natural hazard that are prone in Kokrajhar district, its period of occurrence, potential impacts and the vulnerable areas of Kokrajhar District.

TYPE OF HAZARDS	TIME OF OCCURRENCE	POTENTIAL IMPACT	VULNERABLE AREAS
Flood	May to Aug	Loss of Life, livestock, crop and infrastructure.	Annexure -1 (History of Floods & Flood prone areas)
Cyclone	June-October	Loss of life, crop, infrastructure and animals.	-
Earth Quake	Anytime	Loss of life, Livestock and infrastructure.	Entire District
Epidemics	Anytime	Loss of human life	-
Fire Accidents	March-May	Human Loss and house damage.	-

TABLE: 7: SEASONAL CALENDER													
Sl. No	Hazard	Probable Months											
		January	February	March	April	May	June	July	August	September	October	November	December
1	Thunderstorm	Green	Yellow	Red	Red	Red	Green	Green	Green	Green	Green	Green	Green
2	Lightning	Green	Yellow	Red	Red	Red	Orange	Orange	Yellow	Yellow	Yellow	Green	Green
3	Flood	Green	Green	Green	Green	Yellow	Orange	Red	Red	Yellow	Green	Green	Green
4	Earthquake	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange
5	Fire	Orange	Orange	Orange	Orange	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Orange	Orange

	HIGH
	MEDIUM
	LOW
	VERY LOW

CHAPTER-5

EMERGENCY SUPPORT FUNCTIONS

5.1 EMERGENCY SUPPORT FUNCTIONS (ESF) & INCIDENT COMMAND SYSTEM:

The Emergency Support Functions (ESFs) are various identified response teams, which will assess their strength before any emergency and accordingly will prepare their Standard Operational Procedures to mitigate any disaster. Their well preparedness will help to reduce the damage of any disaster/emergency. These ESFs will be identified as per the certain need felt during any disaster such as ESF-Warning (Communication), ESF-Road Debris Clearance, ESF-Relief etc. Hence the Emergency Support Functions (ESFs) provide vital response functions. The Emergency Support Functions at District level (Office of the Deputy Commissioner) will be replicated at Revenue Circle level (by Revenue Circle Administration) and the Incident Management Team consisting of all the ESFs would also activate itself by asking for some or all ESFs to be represented in it, according to need of the crisis. The Disaster Response Mechanism will be operated as per basics of Incident Command System where the Deputy Commissioner is the Incident Commander for the District Level Incident Management Team and will be supported by the Planning, Operation, Logistic and Finance Section Chiefs in effective management of the response.

National Disaster Management Authority has categorized the level of disasters as L0, L1, L2 and L3. Based on the ability of various authorities to deal with them, L0 denotes normal time, L1 is this disaster that can be dealt with at district level, L2 specifies this disaster that requires assistance and active participation from the state. L3 disaster requires assistance from the Government of India.

For an effective operational system of the ESFs the following points are to be ensured:

- Individual ESFs must prepare their Standard Operational Procedures (SOP) and Plan.
- These plans would be integrated to form the District Response Plan.
- Time to time each ESF will practice their simulation exercise (Mock Drill) to under their lacunas.
- They have to update their response system regularly.

To act as a bridge to support an information base among the emergency Operation Centres of State, District and Onsite level, there as to be one **DISTRICT EMERGENCY OPERATION CENTRE (DEOC)** operation system and is to be operational under district EOC to collect information from grass root level, district level as well as from State level. As said, the DCR will act as a vital linkage among the Emergency Operation Centre of State, District and Onsite.

The list of 16 identified Emergency Support Functions, its Team Leaders and the supporting agency (headed by District Commissioner) is briefed in the following table:


EMERGENCY SUPPORT FUNCTION (ESF)	FUNCTION	TEAM LEADER	PARTICIPATING AGENCIES
ESF 1	Warning (Communication)	S.P., Police	Meteorology (IMD), CWC, Water resources, Radio, Doordarshan, DIPRO, Telephones, Police.
ESF2	Evacuation (Search and Rescue)	Addl. District Magistrate	Police (VDP), Fire services, Civil Defence, Home Guards, Zila Sainik Board, (NCC), NYK, NSS, Forests, Social forestry, Soil Conservation, PWD(R), PWD(Bldg), Sports, IS (Scouts & guides), Inspector factory & Boilers, PRIs.
ESF3	First Aid & Medical Response	Jt. Director Health Services	Health & FW, DSWO, ICDS, Medical, Ayurveda, Labour Officer, Veterinary.

EMERGENCY SUPPORT FUNCTION (ESF)	FUNCTION	TEAM LEADER	PARTICIPATING AGENCIES
ESF4	Relief & Coordination (Food-Shelter)	ADC (Relief)	Food & civil supplies, FCI, Registrar of Cooperative Societies, Revenue & Relief (Circle officers, BDOs, LMI Gram Sevak/ Gaon-Bura), Veterinary, Fisheries, Agriculture, Agri (Marketing).
ESF 5	Water & Sanitation	E.E (P.H.E)	PHED, DRDA, PR Is, Municipality IT & C, Irrigation, Agri. (Eng).
ESF6	Shelter Management	ADC (Relief)	Revenue (CO, BDO, LMI Gram Sevak I Gaon-bura), DRDA, PRIs, Police (VDP), NCC, NSS, DTO, Railways, Taxes, IWT, PWD (for boats etc), Water resources, ASEB, Forests, DIC, Housing, IS, DEEO.
ESF7	Carcass Disposal	District Veterinary Officer	Animal Husbandry department of Block level and district level, ULBs, Animal medicine stockiest, NGOs, Voluntary Organizations, CBOs, religious organizations
ESF8	Damage Assessment Team	ADC (Land Reforms)	Revenue & All departments
ESF9	Trauma Counselling	Jt. Director Health Services	Medical & FW, DSWO, ICDS
ESF10	Patrolling	Suptd. Of Police	Police (VDP, Nagarik Samities), Zila sainik Board, IS(NSS), YC(NYK)
ESF11	Logistics (Traffic-Electricity-Water)	ADM (Nazarat)	DC Office, Electricity Board, Transport Dept, Public Health Engineering Dept., Municipality, Private Road Ways, PWD (Road), NH Division
ESF12	Transport	District Transport Officer	Railway, PWD, Municipality, Civil Defence, Scout, NCC etc.
ESF13	Volunteers	Youth Coordinator NYK	NCC, NYK, Zilla Sainik Board, Blood Bank, NSS, Rotary Club, Lions Club, NGOs & other organization
ESF14	Public Works	Superintending Engineer, PWD (Road),	PWD (Road and Building), Electricity Board, Public Health Engineering Dept, Municipality etc.
ESF15	Road Debris clearance	Special Officer, Municipality,	Municipal Office, NCC, Scouts & Guides, Zilla Sainik Board, Divisional Forest Officer, NH Division, PWD (Road) and Nearest Army Camp.
ESF16	Public Information and Help lines	PRO	NGOs, Media (print/Electronic), NSS, Scouts & Guides, Education Dept.,

5.2 RESPONSIBILITIES AND FUNCTIONS OF OPERATION BRANCHES

INCIDENT COMMANDER: DISTRICT COMMISSIONER

In anticipation of any disaster, the district administration has taken various precautionary measures. Functioning of the Control Room, Closure of past breaches in river and



canal embankments and guarding of weak points, rain recording and submission of rainfall report, communication of Gauge reading, functioning of flood/cyclone zones, deployment of power/country boats, installation of temporary VHF stations, arrangement for keeping telephone and telegraph lines in order, storage of food stuff, arrangement for keeping drainage clear, agricultural/health/veterinary measures, selection of flood/cyclone shelters, etc. have been properly planned. The government officials of different departments have been apprised of their duties for pre, during and post disaster periods.

The Circle Officers, B.D.Os, ULBs/VCDCs, Executive Engineers of Irrigation Department, Health, Police, A & Veterinary and PHE etc. have been requested to take all precautionary and preparatory measures and to remain alert to face the challenge of any disaster. Every possible kind of cooperation from all the line departments has been sought for by the district administration in combating the severe natural calamities that may occur anytime. Accordingly, the government officials have also been apprised of their roles and responsibilities to be played during pre-disaster arrangement and during/post-disaster management.

ESF 1:

WARNING (COMMUNICATION)

The Emergency Support Function (ESF) 1 having the prime function of “Warning” (communication) will be led by the Superintendent of Police, Kokrajhar. However, during the crisis, when the ESF 1 will be deputed to the onsite EOC, the DSP may lead the team on behalf of SP, Police. The supporting agencies for the ESF 1 will be Meteorology (IMD), CWC, Water resources (E&D), Radio, Door darshan, DIPRO, Telephones, IWT, Police and any relevant deptt. As decided by the ESF 1 during preparation of their Standard Operational Procedures (SOP). The primary functions of the ESF1 (Communication) will be:

Primary Functions:

- Warning for any eventuality of calamity.
- Restore Communication facilities after disaster.
- Provide emergency communication for response to government: link EOCs, Quick Response Teams (QRTs) etc.
- Provide communication facility to communities.
- Coordinate state actions to assure the provision of telecommunication to support the state and district.
- Coordinate the requirements of temporary telecommunication in affected areas.

ESF 2:

EVACUATION (SEARCH AND RESCUE)


The Emergency Support Function (ESF) 2 meant for ‘Evacuation -Search and Rescue’ will be led by the Addl. District Magistrate, Kokrajhar. The supporting agencies for this function will be Circle Officers, Police (VDP), Fire services, Civil Defence, Home Guards, Zila Sainik Board, (NCC), NYK, NSS, Forests, Social forestry, Soil Conservation, PWD(R), PWD(Bldg.), Sports, IS (Scouts & guides) Inspector factory & Boilers, PRIs and any relevant dept. as decided by ESF 2 during preparation of their Standard Operational Procedures (SOP). Help of the National Disaster Response Force (NDRF) may also be sought if felt necessary. The Primary Functions of the ESF 2(Evacuation -Search and Rescue) will be:

Primary Functions:

- Establishment of evacuation plans.
- Identification of fastest evacuation routes and all alternative routes.
- Establish maintain and manage District search and rescue operations.
- Coordinate search and rescue logistics during a field operation.

ESF 3 & ESF 9:

EMERGENCY FIRST AID / MEDICAL RESPONSE AND TRAUMA COUNSELLING



The Emergency Support Function (ESF) 3 meant for 'Emergency First Aid/medical response and trauma counselling' will be led by the Jt. Director of Health Service, Kokrajhar. The supporting agencies for this function will be Health & FW, 108 EMRI, Red Cross, DSWO, ICDS, Medical, Labour Officer, Veterinary, Dispensaries, Mobile Dispensaries, Hospitals, Ambulance Service, Blood Bank, etc and any relevant dept. and for ESF 9 "Trauma Counselling" the supporting agencies will be members of Trauma Counselling team, Medical & FW, DSWO, ICDS and any relevant dept. as decided by ESF 3 & ESF 9 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 3 (Emergency Medical Response and Trauma Counselling) will be:

Primary Functions:

- Direct activation of medical personnel, supplies and equipment.
- Activation of Mobile Medical team with first aid at each block/circle.
- First aid for minimum 25 persons should be kept in reserve with Mobile Medical team on rotation basis.
- Appropriate mass vaccination to check the waterborne epidemics.
- List out the available ambulances with all informations.
- Mobilize emergency treatment for the injured people.
- Send quick response teams (QRTs) at various affected sites and establish temporary medical camps.
- Set up Trauma Counselling Desks.
- Perform medical evaluation and treatment as needed.
- Maintain patient tracking system to keep record of all patients treated.

ESF 4:

RELIEF & COORDINATION

The Emergency Support Function (ESF) 4 indicated for 'Relief & Coordination' will be led by the ADM (Relief). The supporting agencies for this function will be Food & civil supplies, FCI, Warehousing Corporation, Revenue & Relief (Circle officers, BDOs, LM/Gaon-Bura), Veterinary, Fisheries, Agriculture, Agri (Marketing) any relevant dept. as decided by ESF 4 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 4 (Relief & Coordination) will be:

Primary Functions:

- Enter into a pre-contract system with the local Civil Suppliers for immediate arrangement of food and relief materials during the crisis.
- Ensure coordination of activities involved with the: -
 - i. Emergency provisions of temporary shelters
 - ii. Emergency mass feeding and
 - iii. Bulk distribution of relief supplies to the disaster victims as also the disaster managers and relief workers.
- Control quality and quantity of food for relief.
- Ensure timely distribution of food to people.
- Make emergency food supplies available to population.

ESF-5:

WATER & SANITATION

The Emergency Support Function (ESF) 5 indicated for 'Water & Sanitation' will be led by the E.E (P.H.E). The supporting agencies for this function will be PHED, DRDA, PRIs, Municipality/TC, Irrigation, Agri (Engg.) any relevant dept. as decided by ESF 5 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 5 (Water & Sanitation) will be:

Primary Functions:

- Ensure provision of safe drinking water in the relief camps.

- Arrange sufficient stock of hand tube wells.
- Distribution of water disinfecting packets.
- Ensure better sanitation arrangements as per Gender.
- Ensure proper drainage facility.
- Launch campaign for safe potable water to create awareness.

ESF-6:

SHELTER MANAGEMENT

The Emergency Support Function (ESF) 6 indicated for 'Shelter Management' will be led by the ADC (Relief). The supporting agencies for this function will be Revenue (CO, BDO, / PRIs members /LM/ Gaon-bura), DRDA, PRIs, Police (VDP), NCC, NSS, DTO, Railways, Taxes, IWT, PWD (for boats etc), Water resources (E&D), ASEB, Forests, DIC, Housing, IS, DEEO any relevant dept. as decided by ESF 6 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 6 (Shelter Management) will be:

Primary Functions:

- Provide adequate and appropriate shelter to all population.
- Locate relief camps close to open traffic and transport links.
- Develop alternate arrangements for population living in structures that might be affected even after the disaster.

ESF8:

DAMAGE ASSESSMENT TEAM

The Emergency Support Function (ESF) 8 designated for 'Damage Assessment Team' will be led by the Deputy Commissioner, Revenue. The supporting agencies for this function will be Revenue, All Line deptts, Block Damage Assessment Team, GP Damage Assessment Team, Village level Damage Assessment Team and any relevant deptt. as decided by ESF 8 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 8 (Damage Assessment Team) will be:

Primary Functions:

In coordination with relevant depts. assess the

- Number of lives lost.
- Number of People Affected.
- Number of Houses damaged (category wise).
- Damage of Infrastructures like School, Hospitals, Govt. Buildings, Road, Electricity, Water Supply etc.

ESF 9:

Trauma Counselling

(Refer point ESF 3 & 9 previous pg)


ESF 10:

Patrolling

The Emergency Support Function (ESF) 10 designated for 'Patrolling' will be led by the Suptd. Of Police, Kokrajhar. The supporting agencies for this function will be Police (VDP, Nagarik Samities), Zila Sainik Board, IS(NSS), YC(NYK) and any relevant dept. as decided by ESF 10 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 10 (Patrolling) will be:

Primary Functions:

- Ensure necessary security arrangements for public amenities.
- Proper coordination with relevant departments.
- Necessary security arrangements at Roads (N.H) Bridges, Culvert etc.

- 
- Ensure necessary security to the officers and personnel engaged in Relief & Coordination.

Further for effective coordination among all the Emergency Support Functions are identified before any emergency, during the emergency and after any emergency. For this function, suitably the Deputy Commissioner, Kokrajhar will carry out the Task. Under this function all the Team Leaders of identified 'Emergency Support Function' such as S.P., Police, Addl. District Magistrate, Jt. Director Health Services, ADC (Relief), E.E (P.H.E), District Animal Husbandry Officer, CEM(BTC), Fire Services, Civil Defence Officials, ULBs, VCDC's, Para military force. Besides above, NGOs, NSS and other relevant departments of Kokrajhar may represent as per the requirement during any emergency. This team will keep direct link with the District Control Room Operation and liaison with Block control Room Operation.

The District Commissioner, Kokrajhar will include the review of emergency support function system in the agenda of the District Coordination Meeting, will review the updation of the district disaster response system by incorporating the changes in names of officers, of telephone numbers and addresses of the officers concerned. The Deputy Commissioner should also take review of changes in other indicators pertaining to the district like creation of additional infrastructure, development projects, changes in inventories, etc. and incorporate these changes while updating the Plan and Standard Operational Procedures of each ESFs. The members should substantiate/assist the Committee with all the updated information about their concerned areas of operation time to time.

ESF-11:

LOGISTICS (Traffic- Electricity-Water)

The Emergency Support Function (ESF) 11 indicated for 'Logistics (Traffic-Electricity-Water)' will be led by the ADM (Nazarat). The supporting agencies for this function will be Deputy Commissioner Office, Electricity Board, Transport Dept, Public Health Engineering Dept., Municipality, Private Road Ways, PWD (Road), NH Division and any relevant dept. as decided by ESF 11 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 11 - Logistics (Traffic Electricity-Water) will be:


Primary Functions:

- Ensure smooth transportation links at all levels and to all nodal and support agencies.
- Assess damage to power supply infrastructure for assistance from other states.
- Restoration of power supply or temporary power supply to critical areas.
- Restore major electricity failure anticipated during disasters due to falling of Cables/ poles.
- Facilitate restoration of electricity distribution systems at most affected sites on priority to help in Search and Rescue operations.
- Provide electricity in lifeline buildings.
- Procurement of clean drinking water.
- Transportation of water with minimum wastage.
- Ensure quick restoration of drainage system.
- Sewer pipes to be kept separate from drinking water facilities.

ESF 12:

TRANSPORT

The Emergency Support Function (ESF) 12 designated for 'Transport' will be led by the District Transport Officer. The supporting agencies for this function will be Railway, PWD, Municipality, Civil Defence, Scout, NCC etc. and any relevant dept. as decided by ESF 12 during



preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 12 (Transport) will be:

Primary Functions:

- Overall coordination of State transportation capacity.
- Pre-contract with the private Ambulance owners (during registration).
- Restoration of roadways services.
- Arrange transportation to and from affected area.
- Ensure smooth transportation links at all levels and to all nodal and support agencies.
- Coordinate the use of transportation resources to support the needs of emergency support forces requiring transport facility to perform their emergency response, recovery and assistance missions.

ESF13:

VOLUNTEERS:

The Emergency Support Function (ESF) 13 indicated for ‘Volunteers’ will be led by the Youth Coordinator, Nehru Yuba Kendra. The supporting agencies for this function will be NCC, NYKS, Zilla Sainik Board, Blood Bank, Red Cross, NSS, Rotary Club, Lions Club, and NGO’s and other organizations and any other relevant department as decided by ESF 13 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 13 (Volunteers) will be:

Primary Functions:

- Encourage various voluntary agencies and organizations to depute the volunteers.
- Gather general youth mass to volunteer.
- Operation wise categorize the volunteers.
- Identify any specialized skills and area of interest among volunteers.
- For each team, reserve a backup force to replace the tired and engaged teams.
- During natural calamity (mass donation) collection of relief material & resource such as, food, clothes, medicines, essential items, cattle feed, and cattle medicines.
- Maintain a record of donations and its supply to the needy area.

ESF14:

PUBLIC WORKS:

Restoration/reconstruction of Road is one of the important aspects during any disaster. Once road network is restored, relief and rehabilitation work become faster. On the above, it has been always noticed that the donating organizations proceed their relief distribution activities to the accessible areas. The Emergency Support Function (ESF) 14 designated for ‘Public Works’ will be led by the Executive Engineer, PWD (Roads). The supporting agencies for this function will be PWD (Roads and Building), Electricity Board, Public Health Engineering Dept, Municipality etc. and any relevant dept. as decided by ESF 14 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 14(Public Works) will be:

Primary Functions:

- Restore the road communication system.
- Assess the damage for reconstruction of road ways.
- Restore the infrastructure like health centres, school, important buildings.
- Initiate the reconstructions of unrecoverable important infrastructures like health centres, school building, and other important buildings.



ESF15:

EQUIPMENT SUPPORT- ROAD DEBRIS CLEARANCE

During any major disaster, road blockage occurs because of which, rescue, relief and emergency medical response is severely affected. Under such situation the district administration at first phase starts its road debris clearance works to clear the blockage in road but lacks in high graded equipment support and skilled manpower during the need. These delays in clearing the road blockage. Looking in to the above aspect, one separate Emergency Support Function for road debris clearance is thought for constituting to develop its well prepared Standard Operational Procedures. The Emergency Support Function (ESF) 15 designated for 'Equipment support- Road Debris clearance' will be led by Kokrajhar Municipality / PWD (R) supporting agencies for this function will be NCC, Scouts & Guides, Zilla Sainik Board, Divisional Forest Officer, NH Division PWD (Roads), Fire Service, Civil Defence and Army etc and any relevant dept. as decided by ESF 15 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 15(Equipment support- Road Debris clearance) will be:

Primary Functions:

- Assess the gap-need of equipment support before any disaster.
- Emergency clearance of Debris to enable reconnaissance.
- Establishment of priority list of equipments which will be opened first.
- Coordinate and provide manpower and equipments for debris and road clearance.
- Provide alternative routes, if main routes are affected.
- Demolish unsafe buildings.

ESF 16:

PUBLIC INFORMATION, HELP LINES AND AWARENESS GENERATION

It is observed that, a chaotic situation due to rumour and panicky is created during any crisis. Under such circumstance a need for help lines and awareness generation is felt. Therefore, a separate 'Emergency Support Function' titled as "Public Information, Help Lines and Awareness Generation" is suggested for constituting. The Emergency Support Function (ESF) 16 designated for 'Public Information, help lines and Awareness generation' will be led by the District Public Relation Officer and the supporting agency will be NGOs, Media (print/audio-visual), NSS, Scouts & Guides, Education Dept., etc and any relevant dept. as decided by ESF 16 during preparation of their Standard Operational Procedures (SOP). The Primary Functions of the ESF 16(Public Information, Help Lines and Awareness Generation) will be:

Primary Functions:

- Provide and collect reliable/validated information on the status of the disaster and disaster victims for effective coordination of relief work at state level.
- Setting up of toll-free numbers for emergency information assistance.
- Process and disseminate information about the welfare of citizens of affected area.
- Manage flow of information and warning dissemination.
- Establish help lines for providing, directing and coordinating logistical operations.



CHAPTER-6

MITIGATION AND PREPAREDNESS PLAN

Disaster planning consists of activities such as pre-disaster mitigation and disaster preparedness. Disaster mitigation focuses on the hazard that causes the disaster and tries to eliminate or drastically reduce its direct effects. The best example of mitigation is the construction of embankments and construction of proper drainage system in flood prone areas & urban locality to avoid floods / flash flood. The other example includes retrofitting of weak life line buildings to make them earthquake resistant.

And preparedness focuses on plans to respond to a disaster threat or occurrence. It considers an estimation of emergency needs and identifies the resources to meet the needs. The first objective of the preparedness is to reduce the disaster impact through appropriate actions and improve the capacity of those who are likely to be affected most. The second is to ensure that ongoing development continues to improve the capacities and capabilities of the system to strengthen preparedness efforts at community level. Finally, it guides reconstruction so as to ensure reduction in vulnerability. The best example of preparedness activities are the development of community awareness and sensitization system through community education and administrative preparedness by way of stockpiling of supplies, developing emergency plans for rescue and relief.

SPECIFIC DISASTER MITIGATION MEASURES

6.1 EARTHQUAKES:

Kokrajhar district falls under earthquake zone-V so following mitigation measures should be taken to reduce the impact of earthquake: -

- Implementation of Building Bye- Laws for new construction in various areas.
- Public utility buildings must be located in stable areas or in stiff soil.
- Retrofitting of weak structures.
- Relocation of people settling in the steep slope areas and near the river bank.
- Assessment of life line buildings and strengthening the same.

6.2 FLOOD MITIGATION:

Flood mitigation refers to the measures aimed at prevention and preparedness. It reduces the actual or probable impact of floods on the people and their environment.

Floods in Kokrajhar district are inevitable, considering the topography and the river system. What is required is a system of adjustment with floods, so that the people experience minimum of disruption and damages. The objective of flood mitigation is to control changes in the volume of run-off, peak stage of the flood, time of rise and duration of floodwaters, and location of flooding.

(List of weak/vulnerable embankments at Annexure V)

The main causes of floods in Kokrajhar District are:

- Obstruction in drainage system due to heavy rainfall.
- Increase in siltation resulting rise in riverbeds due to erosion in the catchment areas.
- Poor natural drainage system.
- Unplanned development.
- Release of water from hydel projects in Bhutan.
- Flash flood.

The mitigation measures should be oriented to take proper care of these problems and thus will automatically reduce the impact of flood in the district. The various measures adopted for flood mitigation may be categorized in two groups structural and non-structural.



STRUCTURAL:

- Construction of embankments / floodwalls along the river bank and improvement of the channel (by WRD).
- Construction of drainage system in the towns and other parts of the district (by PWD).
- Diversion of flood water (by WRD).
- Careful location of new facilities, particularly community facilities such as schools, hospitals and other important infrastructure away from flood prone areas.
- Reforestation in the slopes.
- Construction of retaining wall at the landslide prone areas.

NON-STRUCTURAL:

- Law enforcement and eviction drive.
- Cleaning of drain in regular intervals.
- Awareness drive among the communities towards garbage disposal.
- Collection of daily rainfall data (by WRD).
- Flood forecasting and warning (by WRD & General Administration).
- Prepare detailed flood map of the district, based on extent of land submerged, and assessment of damages. Analyse how the pattern of flooding has changed over a period of time (by WRD).
- Plantation in the catchment areas to check soil erosion (by forest dept),
- Preparation of DDMP and awareness programme through IEC (information, seduction & communication).

6.3 CYCLONIC STORM:

Some parts of Kokrajhar District are usually strike by cyclonic storm during pre-monsoon season causing widespread damage to the crop and other properties. The main mitigation strategies for storm hazards are a well-informed public and an effective warning system.

The following mitigation measures can be adopted to reduce the impact of cyclonic storm: -

- Location of key facilities in leeward sides of hill/ less vulnerable areas (by District Administration).
- Planting windbreaks in the most vulnerable locations (by DFO (SF)).
- Construction of strong, wind safe public buildings which can be used for community shelter in settlements (by PWD).
- Crops can be protected by introducing agricultural practices and cultivation of those crops which are more resistant to high winds.
- Compilation of meteorological data for forecasting of storm (By Dept concerned).
- Public dissemination of information through mass media, poster campaigns and village meetings (by Distt Administration).
- Regulation should be bringing to restrict installation of mobile tower over RCC Building in residential areas.

6.4 LANDSLIDE:

Landslide is not very common in Kokrajhar district. However, if it occurs, loss of human lives and animals' lives may be observed. Landslide can be caused by poor ground conditions, geomorphic phenomena, natural physical forces, improper land use pattern and quite often due to heavy spills of rainfall coupled with impeded drainage. The chief mitigation measures to be adopted in the district are: -

- Correction of drainage systems in the landslide prone areas by maintenance of natural drainage channels both micro and macro in vulnerable slopes (by PWD).
- Regulation of land use pattern (Land Management).
- Afforestation of areas occupied by degraded vegetation (by DFO (SF)).
- Re-location of settlements that are in the landslide prone areas.
- Creation of awareness among local people (by DDMA).
- Regular observation of rainfall pattern (by WRD).

- Turfing of newly constructed high land.

6.5 FIRE ACCIDENT:

Fire accident is very common in Kokrajhar town due to compact settlements and in other parts of the district thatch roof houses which is very prone to fire.

The following mitigation measures may be taken up to contain fire accident: -

- Installation of fire extinguisher cylinders in all institutions (by concerned institute).
- Construction of fire hydrant in fire prone areas (by PHED/Fire Service). Installation of fire warning systems in community facilities such as in school and hospitals (by concerned institute).
- Awareness about the causes of fire accident in rural areas and motivate the villagers to construct their houses at sufficient distance from one another.

6.6 EPIDEMICS:

The Health Department & Veterinary dept is the nodal agency responsible for monitoring and control of epidemics. Mitigation measures for control of epidemics would include: -

- Identification of areas prone to certain epidemics must be updated to access field requirements (by DMO & DVO).
- Testing laboratories in district hospital must be well equipped and updated.
- Regular flow of data from both govt. establishment and NGOs run hospitals.
- Analysing and collating the data at regular intervals to access epidemiological monitoring requirements (by DMO/DVO).
- Awareness campaign to the PRI members and the villagers about various kinds of disease and their causes that are prevalent in the area (by DMO/DVO).

6.7 ROAD ACCIDENTS:

Many lives were lost and casualties are reported annually due to road accident, which is cause due to reckless driving and poor road conditions.

The following measures may be adopted to mitigate road accidents: -

- Opening of traffic model school in every district.
- Installation of speed monitoring machine in busy areas (by police).
- Strict implementation of motor vehicle Act (by Police).
- Installation of traffic sign boards (by Police).
- Carry of First Aid Box in every vehicle must be made mandatory (By Police/DTO).

Insurance of all vehicles must be updated (by Police). Awareness about traffic rules should be imparted to all drivers and commuters through IEC (by Police).



CHAPTER-7

CAPACITY ANALYSIS

7.1 INVENTORIES AND EVALUATION OF RESOURCES ANALYSIS:

Analysis and assessment of the resources and opportunities form the steppingstone in the preparatory stage. Authentic assessments can make the planner aware of their tenacity and wants, so that they can equip themselves with all the required items and materials well in advance. The resources necessary for disaster preparedness and during and after disasters are listed below:

7.1.1 BOATS:

Deployment of engine boat and country boat in different areas of the district is indicated in *ANNEXURE-II*.

7.1.2 SHELTERS:

Accommodation for rescued/evacuated people has to be planned in advance. People living in low-lying areas have to be shifted to places at a higher elevation in flood situation. Advance identification of such sites is an important element of disaster preparedness. Schools and other public buildings should be inspected and strengthened before announcing relief shelter. The floodplains are very densely populated and availability of suitable lands for raised sites of villages in the vicinity of vulnerable low-lying areas is a major problem. People are not prepared to move to distant locations away from their sources of livelihood. Institutions located at higher elevations have come in handy to provide shelter to people who have to be evacuated from low-lying areas.

Apart from these, the school buildings in different places can be used as temporary flood-cum-temporary shelter during calamity. The list of the identified schools that can serve the purpose is given in *ANNEXURE-III & Figure 12 showing Map of Emergency Shelters in the district*.

7.1.3 STORAGE OF FOOD:

Storage of food in accessible pockets is as vital as building shelters. All the Circle, Block headquarters, Cooperative Godowns and VCDC Offices are used as storage points when need arises. The C.O & BDO's and the storage agents in charge of the respective block shall be the contact person for the block headquarters and the VCDC Secretaries are the contact person for the VCDC offices. An arrangement for adequate quantity of rice has been kept with each storage agent at each block headquarters for distribution to the victims as immediate relief. These locations are used as storage locations for medicines, blankets. It has been decided to keep adequate stock of rice in the following places for distribution of emergent relief.

7.2 CAPABILITY ANALYSIS OF THE INSTITUTIONS/OFFICE IN DISTRICT:

All the departments at the Deputy Commissioner are connected with telephone (both external and internal). A detailed account has been given in the section "Disaster Specific Capability Analysis. All the line departments have been directed to keep themselves ready as per the guidelines mentioned in this booklet. The NGOs and CBOs operating in the district have been asked for preparing area specific hazard plans and forming task groups involving local volunteers. Other institutional arrangements have been elaborated in the coming pages.

7.3 COMMUNICATION AND MEDIA:

Wireless and V.H.F. stations are the quickest means of communication of weather warning and other important messages on flood and cyclone. Regular wireless, V.H.F. sets are available in all police stations.

INSTALLATION OF VHF:

SL NO.	PLACE OF INSTALLATION OF VHF (POLICE)	TELEPHONE NUMBERS
1		
2		

SL. NO.	LIST OF PLACES HELIPADS EXISTS OR HELICOPTERS CAN LAND	LAND / PLACE
1	NTPC, Salakati	Salakati
2	University Campus	Debargaon
3	Sai Complex	Kathalguri
4	Telipara	Gossaigaon
5	Gossaigaon College Field	Gossaigaon

(Source: Superintendent of Police, Kokrajhar)

7. 4 ADMINISTRATIVE PREPAREDNESS FOR DIFFERENT DISASTERS:

The following steps have been taken as a part of administrative preparedness to combat any eventualities during and immediately after the disaster:

1. Control Room (DEOC) are functioning round the clock in DC's Office, Offices of the Jt Dir of Health Services, DA&VO, District Agriculture, PWD(RR), PWD(B), All Executive Engineers of Irrigation, R&B (PWD), CWC, PHE.
2. Senior Level Officers from different departments will be assigned charges for all the flood/cyclone zones along with the BDOs of respective blocks.
3. Telephone Numbers have been made available to the Regional Meteorological Centre, Guwahati to intimate about the adverse weather.
4. SDO Telegraphs / Telephones have been requested to keep the lines in order at the time of calamity.
5. Daily report of rainfall is being obtained from the DEOC.
6. The Executive Engineers (WR) have been intimated to report Gauge reading of the rivers, daily during flood and to keep drainage clean & repair all weak points/ breaches caused in the last flood and complete the left-out work before the onset of monsoon, keep a close watch on the embankments passing through the habitations, remain alert with men and materials to face any eventualities (Primary Data ANNEXURE- V)
7. Executive Engineer, PHE has been directed to repair / replace the defunct tube wells on war footing basis before the rainy season.
8. The Superintendent of Police has been intimated to monitor the installation of Police Wireless Stations and plan for army assistance.
9. VHF's to be installed at DEOC/ Circle Offices.
10. Satellite phone (to be installed at DEOC).
11. ADM(Relief) have been directed by the Deputy Commissioner and District Magistrate to store adequate foodstuff at interior, vulnerable strategic and key areas for immediate relief.
12. NGOs have been identified block wise and task force been formed in collaboration with the district administration to carry out relief operation, rescue and evacuation, etc.
13. DAO has been intimated to supply HYV paddy seeds to the blocks as a part of agricultural measure.
14. Jt. Dir of Health Services has arranged Medical Relief Camps and doctors have been deployed for the purpose and the Jt. Dir of Health Services has been directed to keep the mobile medical team ready for the purpose.

(Contingency Plan / Ambulance Facilities/ Blood Bank/ Free Oxygen Services ANNEXURE-VI)

15. DAH & VO, indent of different vaccines has been taken to protect animals against contagious diseases, medicines supplied to the field functionaries for routine treatment as part of veterinary measure.
16. Inspector of Schools and PWD (B) will remain in charge of safety of relief Shelters (Used in Flood, Cyclone & Cyclone & another calamity).
17. PWD (RR) Office will look into the repairs major roads, bridges, concrete steel work and make other necessary arrangements as per requirement.



- Earth moving and Road clearing equipments.
 - Main accessible road to revenue circles.
18. NGOs / CBOs shall be organized by the respective BDOs as relief parties as per need.
19. Review of pre-flood/cyclone arrangements have been carried out and the contingency plan for flood and cyclone prepared by all the BDOs.

7.5 DISASTER SPECIFIC CAPABILITY ANALYSIS WITH THE HUMAN RESOURCES AND SKILLS:

All the line departments such as Health, Veterinary, Irrigation, Police, Revenue, Electrical, PWD (B&R), CWC, ULBs etc. are instructed to stay prepared with the equipments and manpower before the specified disaster seasons. They will give a list of their resources and requirements to the Deputy Commissioner well in advance so that proper preparatory measures will be at place. The NCC, NSS and Paramilitary Forces will have to prepare a list of task force for the rescue, evacuation and relief operation. They will be provided with a relief kit each and a training manual. Training should be conducted at the District, Block, VCDC and village levels to ensure that the awareness for disaster mitigation is built up among the communities. Mock drill should be conducted in anticipation of disasters to enhance the skills of the task force.

7.6 PUBLIC AND PRIVATE SECTOR RESOURCE INVENTORY AND CAPABILITY ANALYSIS:

The detailed information on the resource inventory with regard to private and public distribution system, traders, list of CBOs and NGOs and list of financial institutions for the requirement has been enclosed in *ANNEXURE- VIII*.

7.7 FIRE SERVICES:

Resource Inventory/ Capacity Analysis:

7.8 FIRE STATION INFORMATION:

Fire Emergency	101
Kokrajarhar	03661295151/6900176260
Gossaigaon	9854171418



CHAPTER-8

EMERGENCY OPERATION CENTRE(EOC)

8.1 DISTRICT EMERGENCY OPERATION CENTER (DEOC):

This section is prepared to help the members of District Emergency Control Room (DEOC) to understand the structure and functioning of Control Room. Following the important three C's i.e., Command, Control and Communication for effective response in an emergency, we will be able to minimize the hardships of the community and improve the quality of the process of recovery. This control room will be able to provide timely, supported and well thought of interventions to the grass root staff as well as volunteers as it will be the hub of three C's.

8.2 PURPOSE OF THE DEOC:

The District Emergency Operation Centre under the control of Deputy Commissioner, Kokrajhar will operate round the clock and will be the nerve centre to

- Monitor
- Co-ordinate
- Implement the actions/activities for Disaster Management.

In a disaster time, the DEOC will operate under the central authority of the Deputy Commissioner, exercising emergency power to issue directives to all departments to provide emergency response service. He will also co-ordinate with the State Response Machinery like: State Relief Commissioner, Dispur, Assam and. The Control Room should be manned round the clock.

8.3 PROCEDURE TO BE FOLLOWED BY DUTY PERSONNEL IN THE DEOC:

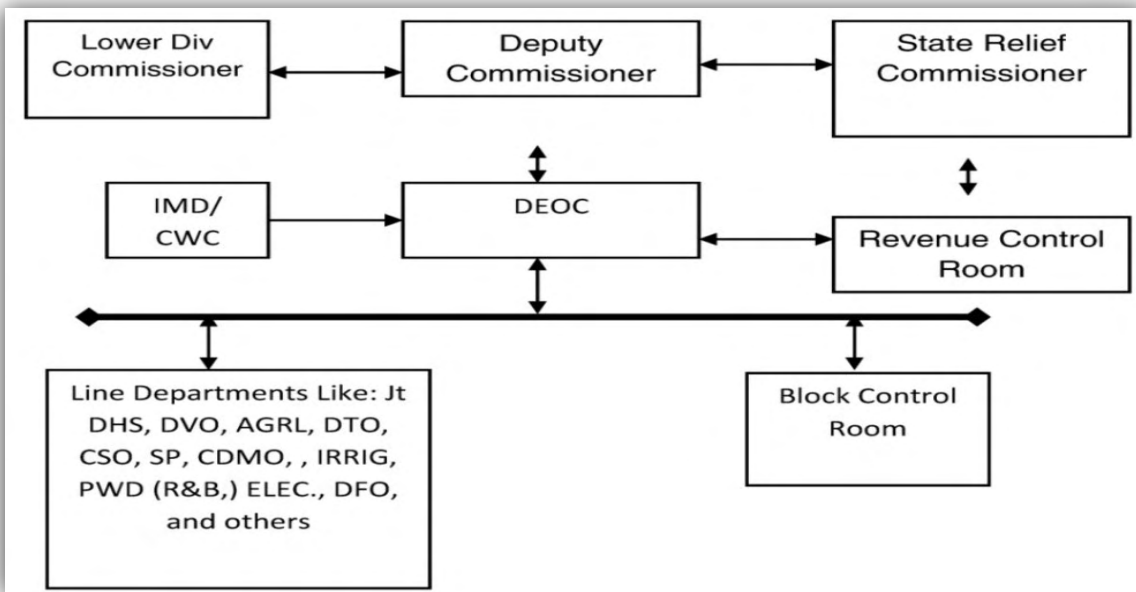
- Daily Attendance has to be signed without fail by persons deployed in each shift.
- Ensure that all equipments are functioning and if any repairing is required that has been brought to the notice of IC, DEOC immediately.
- Telephone Bills have to be collected in time and given to the IC, DEOC for necessary payments every month to avoid disconnection of the same.
- Any Information received from District/Police Control Room /News Channel or any other sources is to be noted down in Logbook/Register.
- The Information will be verified or to be crosschecked with ADC/SDO (Civil)/CO/PO, ASDMA/Police Control Room/ Police Station/ Fire Services of concerned area.
- After verification by the above-mentioned authorities Information will be disseminated to the designated Contacts through SMS.
- Detail reports once received will be disseminated through email after approval of IC, DEOC.
- Copies of any reports received or sent will be kept in different separate Index Files i.e., separate for Flood, Fire, and Strom etc.
- No duty personnel will leave DEOC after his/her duty hour is over without handing over duty to the incoming personnel as per prescribed format.
- Concerned contact details available in DEOC will be updated every month or as and when necessary.
- Verified Information will be disseminated to concerned Agencies i.e. Fire incident to Fire Services, Accident to 108/Medical, law & order situation to Police Control room with the help of APRO personnel when necessary.

DURING FLOOD SEASONS (FROM 1ST MAY TO 30TH OCTOBER):

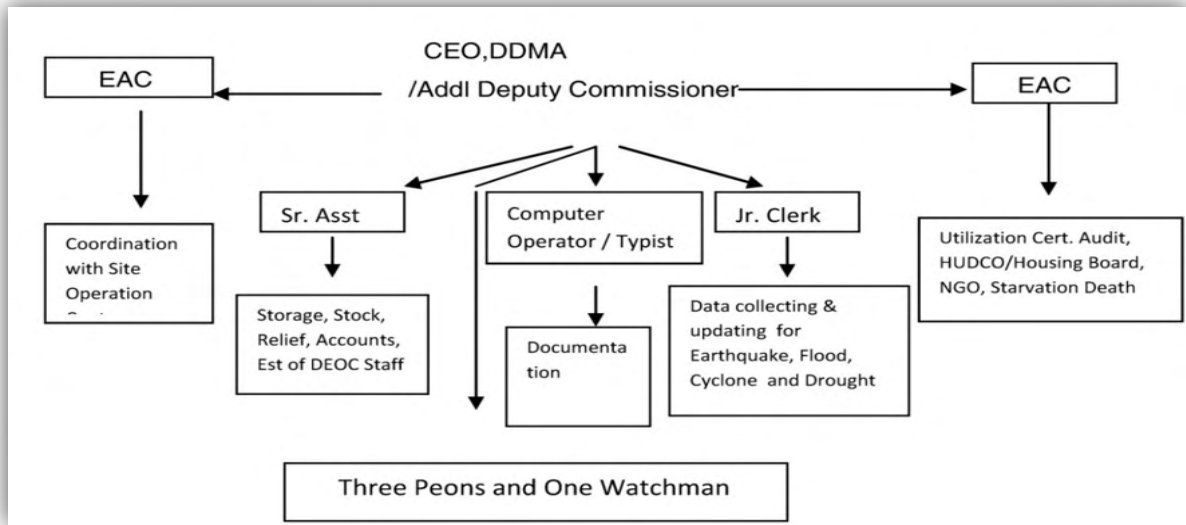


- Reports on Rainfall in the last 24 hours will be collected from IMD & reports on water level will be collected from Water Resources/ CWC by the persons deployed in the morning shift (6 AM to 2 PM) at 10 AM every day.
- Persons deployed in the Morning shift (6 AM to 2 PM) will call SDO (Civil) / CO of all Revenue Circles for flood report of the last 24 hours every day between 8-10 A.M.
- SDO (Civil) & CO, of all Revenue Circles will be requested to send the Flood report by Fax or Email before 12 Noon positively.
- Report collected from the Revenue Circles will be compiled in prescribed format (District Report) by 12 Noon positively.
- Reports signed by IC, DEOC should be sent to designated contacts over email & Reports to the ASDMA to be faxed at the designated faxed number.
- All fax reports received & Office copies of the reports sent will be kept in separate Index files i.e. Flood report, Rainfall data and so on.
- FLEWS (Flood Early Warning System) information & any other information received should be disseminated to concerned Revenue Circles immediately after approval of the IC, DEOC.
(In case, Duty hours of the persons deployed in the DEOC is over he /she will brief the incoming persons regarding any task remain incomplete before leaving DEOC.)

8.4 INFORMATION FLOW CHART OF THE DEOC:

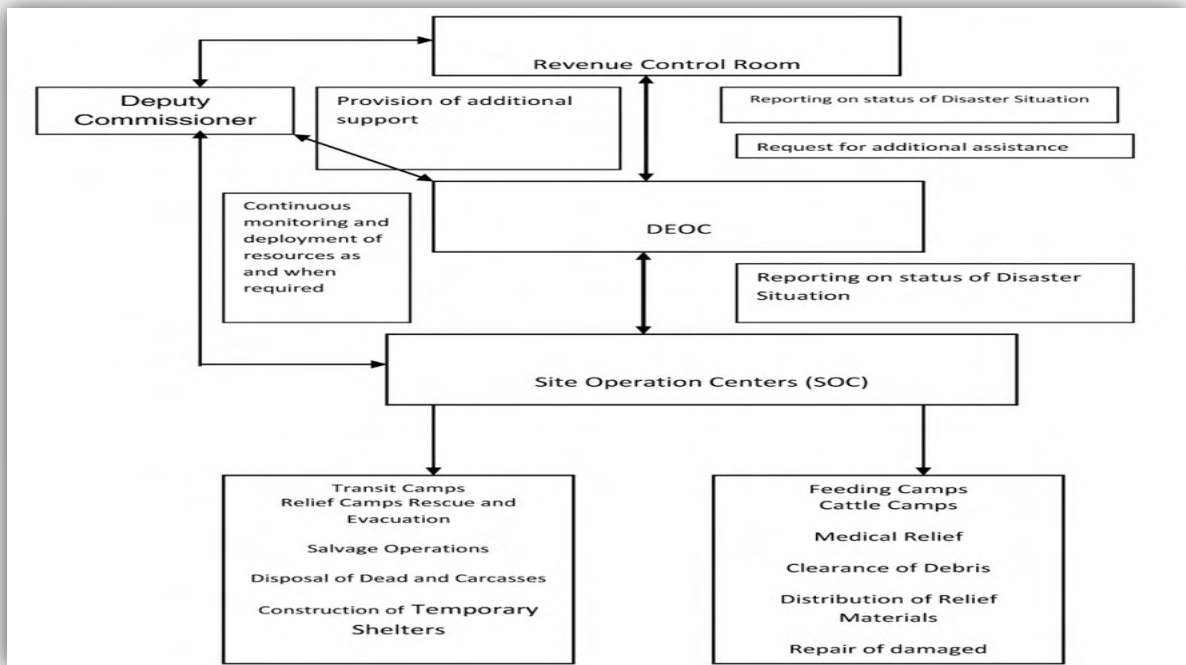


8.5 CO-ORDINATION STRUCTURE AT DISTRICT LEVEL CONTROL ROOM:



8.6 FLOW CHARTS AND OTHER FUNCTION OF DEOC:

8.6.1 FLOW CHART AMONG REVENUE CONTROL ROOM, DEOC AND SITE OPERATION CENTER:



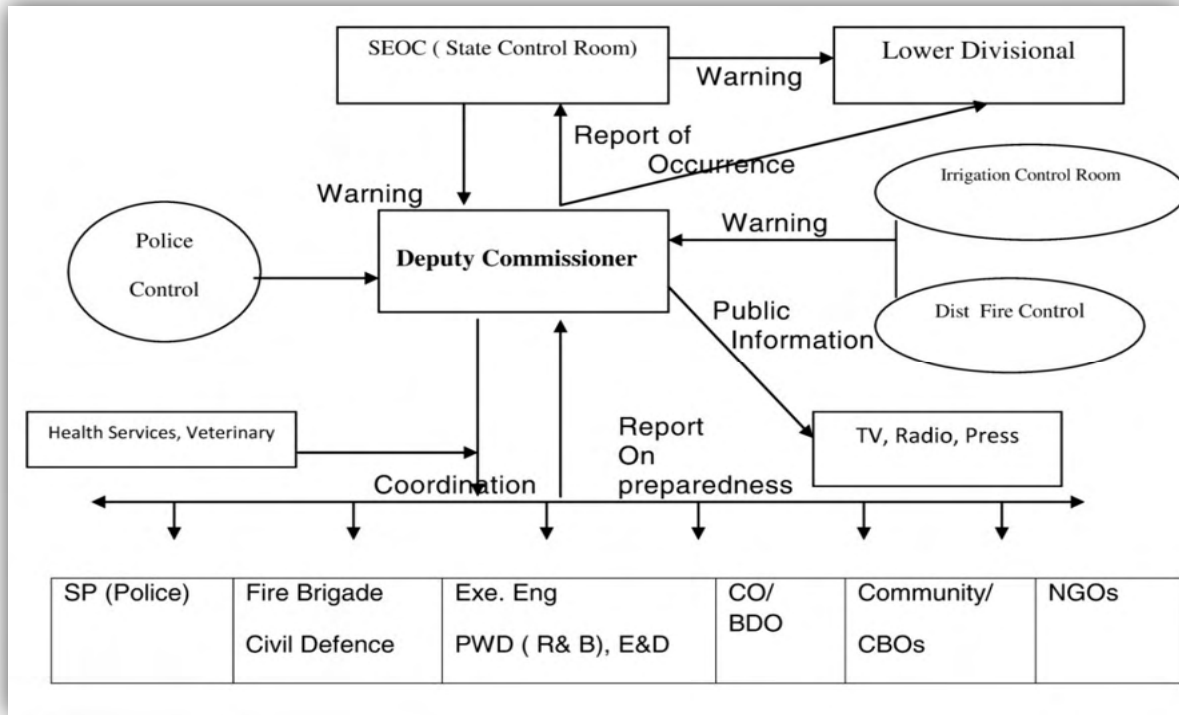


8.6.1 SCOPE OF WORK OF THE DEOC:

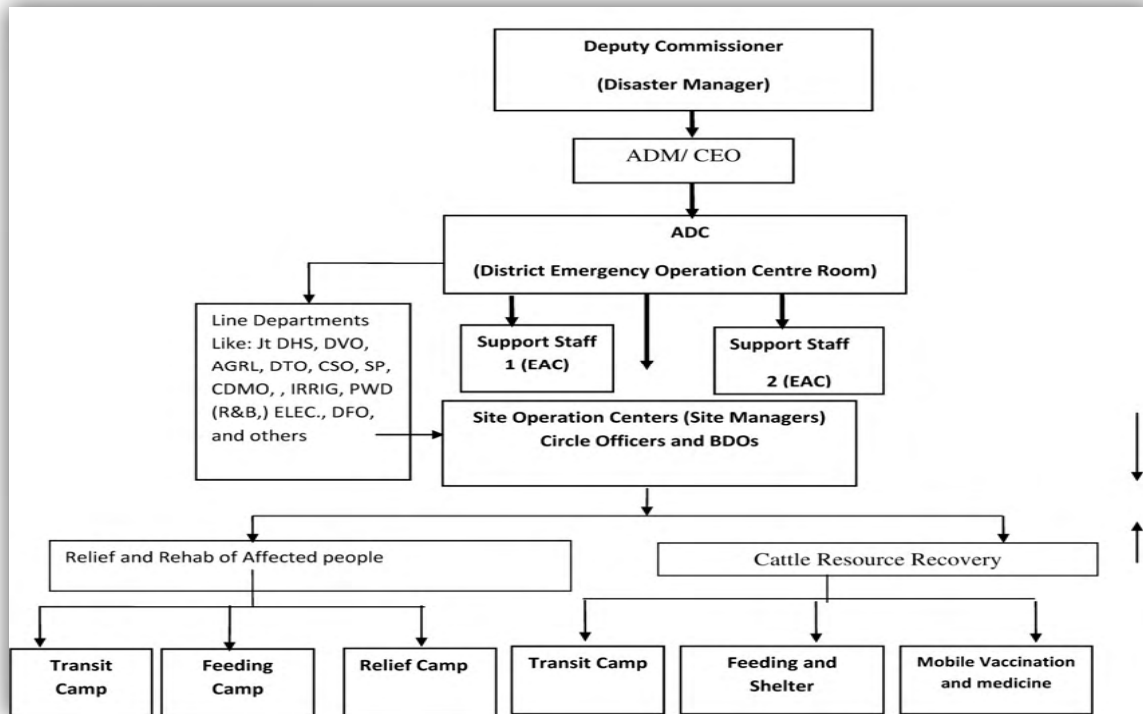
TIME FRAME	ACTIVES
Normal Time	<ul style="list-style-type: none"> • Ensure that all warning and communication systems, instructions are in working condition. • Receive information on a routine and regular basis from the departments on the vulnerability of the various VCDC's and Villages to disaster. • Receive reports on preparedness from the relevant district level departments and other departments, as per as the formats. Based on these reports, the DEOC will forward the Preparedness Measures details on behalf of the Deputy Commissioner to the Revenue Control Room, and inform State Relief Commissioner. • Upgrade and update DEOC system according to changing scenarios in the district update data bank and maintain an inventory of resources. • Update all information in the GIS. • Inform Revenue Control Room, State Relief Commissioner of any changes including updating of data bank and annexure. • Monitor preparedness measures including simulation exercise undertaken by various departments. • Ensure proper dissemination of information about DEOC System at the district level, local level and disaster-prone areas. • Identify appropriate NGOs/Private Sector Organisations, which can be assigned the task of community level preparedness. • Organize post-disaster evaluation and update DEOC System accordingly. • Prepare reports and documents on district level disaster events and submit the same to Revenue Control Room & State Relief Commissioner
Disaster Time	<ul style="list-style-type: none"> • Weather tracking and early warning dissemination. • To collect and transmit information regarding matter relating to natural calamity. • Mapping of vulnerable areas. • Database on civil society organization and their activities. • Database on volunteers. • Facilitate regular meetings of civil society organizations and issue updates. • Flow of information to central control room in Relief Commissioner's Office. • District level training of officials and NGOs in emergency response. • Men and material management in emergencies with proper inventorization.



8.6.2 EARLY WARNING DISSEMINATION:



8.6.3 DIAGRAM OF RESPONSIBILITIES OF THE DEOC STAFF:





8.6.4 WARNING OR OCCURRENCE OF DISASTER:

The warning or occurrence of disaster will be communicated to:

- Chief Secretary, Relief Commissioner, Emergency Operation Centre.→ Office of the Lower Divisional Commissioner.
- All district level officials, District Disaster Management Committee, Municipality Special Officer.
- The officials of the Central Government located within the district.
- Non-officials namely Guardian Minister of the district, Chief Executive Member, MPs and M.L. As from the district or affected area.
- Local units of the Defence and Paramilitary Services.

8.6.5 INCIDENT COMMAND SYSTEM:

In the absence of the Deputy Commissioner, ADM / ADC will officiate and exercise all the powers and responsibilities of the District Disaster Manager.

On the receipt of warning, all community preparedness measures and counter-disaster measures would come into operation.

8.6.6 SUGGESTED PERFORMA FOR “IN” MESSAGE:

DATE	TIME OF RECEIPT	IN MESSAGE SR. NO.	RECEIVED	ADDRESSE	MESSAGE TRANSFERRED TO	COPIES TO	MODE (WT/TEL /MESSAGE OF RECEIPT	INSTRUCTION/ FOLLOW UP TO BE DONE	REMARK

8.6.7 SUGGESTED PERFORMA FOR “OUT” MESSAGE:

DATE	TIME OF DISPATCH	IN MESSAGE SR. NO.	RELATED IN MESSAGE NO. IF ANY	ADDRESSE	ADDRESSE	COPIES TO	MODE (WT/TEL /MESSAGE OF RECEIPT	INSTRUCTION / FOLLOW UP TO BE DONE	REMARK

8.6.8 ARRANGEMENTS IN DISTRICT EMERGENCY OPERATION CENTRE(DEOC)

The DEOC is equipped with

- Action Plans
- Vulnerability maps
- List of key contact persons during emergencies
- Database on resources of the district During disaster provision will be made in the office of the Deputy Commissioner for
- First aid and other basic medical relief for the staff
- A rest room with adequate facilities and
- A kitchen and lunch room.



8.6.9 COMMUNICATION ROOM

The Communication facility is made in the room of next to the DCR that function as the Communication Room. The existing police VHF system continues to be in contact with the DEOC.

In addition, the following facilities are available in the DCR

- Telephones, Fax
- One PC with modem and printer
- Mechanical typewriter
- Generator
- Thermometer
- Fire Extinguisher
- A soft board (LCD Projector or Overhead Projector) to display information
- A hard board to note important information.

8.6.10 ROLE OF ZONAL AND SECTORS OFFICER (CIRCLE OFFICER & BDOS ETC)

For proper division of tasks during disasters, the district of Kokrajhar has to be divided into 5 (Five) flood/ Flash Flood/ /cyclone/Earthquake/ Drought hit zones and Sectors.

The Zone/Addl. Zone Officers receive weather/flood warning from SDEOC/ DEOC, T.V. Radio/C.W.C. etc. Immediately on receipt of warning they will act as follows:

- They will depute Sector Officers to their appointed areas.
- Warn the people especially in low-lying areas through Lot Mandal/ Goanpradhan/ Ward Members/ Home Guards/ Religious Places/ Volunteer Organizations by bit of Drums in the villages and local markets.
- If the devastation is large loudspeaker may be used for dissemination of the messages and alert the people.
 - They will assess and locate the nearest (cyclone) relief shelters and sound school building for evacuating the people.
 - They will arrange vehicles/ boats (power boat & country boat) to shifting the people to the shelter point.
 - They will assess the requirement of foodstuff, medicines, fodder etc. and take necessary measures accordingly.
 - Co-ordinate with Line Departments for early restoration.
 - Evacuate people from low-lying areas if situation so warrants. For this they may enlist search & rescue equipments available locally.
 - Co-operation of local Youths, volunteers, Nehru Yuva Kendra and Marwadi Yuba Manch etc.
 - Keep the Government power and country boats ready in vulnerable points and appoint boatman for the country boats.
 - They should see that sufficient quantity of rice/wheat/Kerosene oil/Match Boxes / fuel etc., are made available through retail sale centre and local markets.
 - To take steps to guard the weak and vulnerable points in embankments through VDP, Home Guards and Police constables etc.
 - If situation so warrants, start distribution of emergent relief in marooned areas after obtaining approval of District Commissioner concerned.
 - There may be necessity of more vehicles for undertaking rescue and relief operation. In such circumstances they will immediately contact the District Transport Officer.
 - Apart from Govt. Country boats there may be necessary of private country boats. In such cases the Zone and Addl. Zone Officer may hire private country boats under intimation to DEOC.
 - To keep DEOC informed about the situation and relief measures.



- To assess damages through field staff and submit preliminary report within 3 days of the occurrence of the calamity.
- To assess detailed damage and submit final damage report to District office
- The Circle Officers will assess damage to the private houses through Sr BDOs / BDOs, staff deputed from other offices and Disaster Management Committee. After assessment of damages, they will conduct at least 10% test check to ensure correctness of the enumeration. Sr BDOs/ BDOs and other officers deputed from different offices may also be engaged for check. After final assessment, proposal is to be sanctioned by Circle Officer concerned and submitted to Deputy Commissioner for approval requirement of funds.
- In case of human casualty, the Circle Officer concerned will submit report to District Commissioner in 24 Hrs, for consideration of sanction of ex-gratia.
- The list of Sectors (Revenue Circle Wise) attached in ***Annexure-IV***.

CHAPTER-9

FUNCTION OF DISTRICT DISASTER MANAGEMENT AUTHORITY (DDMA)

9.1 DISTRICT DISASTER MANAGEMENT AUTHORITY:

The District Disaster Management Authority (DDMA) has been constituted as per National Disaster Management Act 2005. The primary aim of the DDMA is to have proper coordination among all the line departments. The Deputy Commissioner is the Chairman of the DDMA and the district level response is coordinated under his guidance. An ADC will be notified as Chief Executive Officer, DDMA.

The District Disaster Management Authority will

- Reviewing the threats of disaster
- Analysing the vulnerability of the district to such disasters
- Evaluating the preparedness measures and
- Considering suggestions for the improvement of the District Disaster Management Plan.

9.2 RESPONSIBILITIES OF THE DDMA:

- To educate the public on earthquake, flood and cyclone hazards and what protective steps should be taken.
- To make arrangements for emergency action.
- To effect evacuation from the flood affected Villages when necessary.
- Rescue and Rehabilitation.
- Post Flood /Earthquake/ other calamity and review.

9.3 TIMELINE FOR MEETING AND MEMBERSHIP:

The DDMA must meet time to time under the chairmanship of the District Commissioner to update the plan and discuss various issues of disaster management in the district. The heads of all line departments concerned with the management of disasters in the district will be invited as a "Special Invitee" to all meeting of the DDMA. District Commissioner should review the work of DDMA regularly. An emergency meeting will hold whenever information is received regarding calamity.

As per government notification, vide memo no RGR/DM/6/2008/67-20 dated 24/07/08 UNDER THE PROVISION of section 25(1) of the national disaster management authority, 2005, the governor of Assam has constituted the district disaster management authority for Kokrajhar district of Assam.

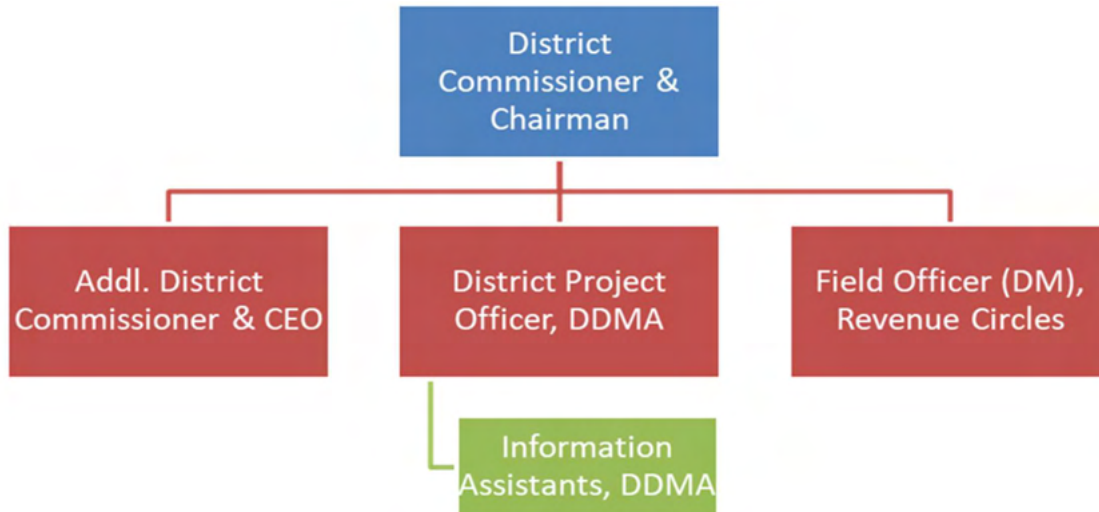
The DDMA would consist of following functionaries:

SL. NO.	NAME	POSITION
1	District Commissioner, Kokrajhar	Chair Person
2	Chief Executive Member/ Representative of Territorial Council	Co-Chair Person
3	ADC (Revenue)	CEO
4	Superintendent of Police	Member
5	Jt. Director of Health Services/ Chief Medical Officer	Member
6	Executive Engineer PWD	Member
7	Executive Engineer WR	Member

The District Commissioner should include in the agenda of the District Development Committee Meeting, the subject of updating of the district disaster management plan by incorporating the changes in names of officers, of telephone numbers and addresses of the officers concerned. The District Commissioner should also take review of changes in other indicators pertaining to the district like creation of additional infrastructure, development



projects, changes in inventories, etc. and incorporate these changes while updating the Plan. The members should substantiate / assist the Committee with all the updated information about their concerned areas of operation time to time.



9.4 ROLES AND RESPONSIBILITIES OF THE DISTRICT COMMISSIONER / DISTRICT MAGISTRATE:

PHASE	ACTIVITIES	OTHER OFFICIALS TO BE INVOLVED	RESOURCES/ EQUIPMENTS TO BE PROCURED FROM
Pre - Disaster	Preparedness before the Disaster:		Special Relief Commissioner SEOC
	Reviewing and analysing 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 and Village levels and the locally active NGOs/CBOs.	At District level officials	Police/Fire
	Identifying disaster prone zones and strategies to stay prepared for the worst.	ADM	R&B
	Ensure IEC through Emergency section/ C.O/ BDO's /NGO's: Movies/Street plays/ Workshops / Walling / Painting		Fisheries
	Reviewing the DEOC and making it functional Making the DEOC well equipped and deputed senior officers from time to time	All BDOs	



	<p>to review the receipt information and dissemination.</p> <p>Calling a meeting for NGO/CBO co-ordination and discuss issues as such as Capacity assessment of different NGOs/CBOs and ask them to adopt certain vulnerable areas to avoid overlapping and duplicity.</p> <p>Preparing a checklist (containing the dos and don'ts) and pass that on the NGOs/CBOs.</p> <p>Ensuring/installing communication system to the inaccessible villages.</p> <p>Checking stock of the public distribution system and arrangement of the temporary Godowns.</p> <p>Checking the Resources with other department such as Police, Fire, Civil Defence and of NSS/NCC/NYKS</p> <p>Preparing a list Power Boats already deployed and / or to be deployed on hire during crisis.</p> <p>Keeping stock of road cleaning equipments and vehicle for relief operation</p> <p>Assigning specific duties to different officers/Sr. Officers at Headquarters.</p> <p>Staying in constant touch with other line departments.</p> <p>Ensuring proper functioning of warning systems & communication systems.</p> <p>Ensuring Mock drill of the rescue and relief teams.</p> <p>Preparing a map showing the location of temporary shelter camps and cyclone shelters with accessibility.</p> <p>Identifying and mapping of Disaster (off all kinds) Prone areas.</p> <p>Ensuring formation of village level Disaster Management Committee through Block Development Officer.</p> <p>Dissemination of Warning:</p>	<p>DIPRO (District Information and Public Relation Officer.)</p> <p>Dist. Fisheries Officer</p> <p>Health</p> <p>Veterinary Leading NGO/CBOs</p> <p>NSS/NCC/NYK Police</p> <p>Fire, Civil Defence.</p>	<p>RTO</p> <p>Civil Defence</p> <p>Commandant/ Coordinator of NCC/NSS/NYKS</p> <p>Zilla Sainik Board</p>
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	<p>Receiving Warning from reliable sources and crosschecking them for authenticity.</p> <p>Disseminating warning to District level officials / Block / PRIs & coordination with others.</p> <p>Keeping the Control Room active round the clock.</p> <p>Distributing duties to the district level officials, Circle officers and Sr. BDOs.</p> <p>Arranging vehicles and public address systems for information dissemination.</p> <p>Establishing coordination with the NGOs/CBOs and the village communities and assigning them duties.</p> <p>Issuing warning to fisherman through Circle officers/ Fishery Department well in advance.</p> <p>Asking the people in the vulnerable areas to move the shelters and to move their domesticated animals to safer places and to cooperate with the volunteers and other officials engaged in similar activities</p>	<p>All District level officials.</p> <p>All Circle Officers.</p> <p>All BDOs</p> <p>DIPRO</p> <p>Dist. Fisheries Officer</p> <p>Leading NGOs.</p> <p>Police and relevant department</p>	<p>VHF from the police</p> <p>Mike-Set/ Batteries/ Generators available in the district office/ from the Private parties on requisition.</p>
<p>During Disaster</p>	<p>Search, Rescue and Evacuation:</p> <p>To Co-ordinate with Civil Defence, NGOs/CBOs, Zilla Sainik Board/ Police for support</p> <p>Arrangement & Deployment of boats/vehicles etc. for evacuation</p> <p>Evacuating people from marooned areas and administer emergent relief.</p> <p>Organizing trained task force members and deputing to be marooned & Cut-off areas for evacuation</p> <p>Mobilizing people to move to flood/ cyclone shelters.</p>	<p>Police</p> <p>Fire Brigade</p> <p>Leading NGO</p> <p>Circle Officers</p> <p>BDOs</p> <p>Programme Co-ordinators of NSS/NCC Defence units</p>	<p>Power Boats/ Country Boats/ Vehicle/ Rope/ rescue kits and trained resource personnel from SRC/Army/ Air Force Unit/ Civil Defence/ Hired from the private parties according to the requirement</p>



	<p>Deployment of Power Boat/ Country Boat (Govt./Private) for evacuation wherever necessary.</p> <p>Deployment of Police/Fire Bridge for search and rescue.</p> <p>Co-ordination with the NCC/NSS/Civil Defence/Zilla Sainik Board etc. for rescue operation.</p> <p>Ensuring proper utilization of the rescue materials.</p> <p>Distribution of Relief Materials:</p> <p>Keeping a record of the affected area and people so as to account for the relief materials needed.</p> <p>Procurement and transportation of relief materials to affected areas.</p> <p>Arrangement of free kitchen in the shelter camps & affected areas and assigning the responsibility to officials for proper distribution</p> <p>Coordinating with the NGOs/CBOs</p> <p>Encouraging other voluntary organizations from outside for rescue and relief operation.</p> <p>Distribution of basic medicines and disinfectants to prevent epidemic</p> <p>Ensuring Health care activities by the CDMO in the shelter camps & through mobile Units/ Temporary Health in regular intervals</p> <p>Ensuring Cattle health activities by the CDVO through Mobile units/ Temporary Health camps in the affected areas</p> <p>Ensuring that there is enough storage of food and pure water in the shelters.</p> <p>Monitoring all the activities in the affected areas.</p> <p>Short-time Measures:</p>	<p>Circle Officer</p> <p>DDO, BDOs, Medical Officers, Veterinary Officers,</p> <p>Paramilitary Forces, Police</p> <p>PHE, RTO.</p> <p>Leading NGO and relevant departments.</p>	
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<p>Post-Disaster</p>	<p>Formation of special task force with required equipments.</p> <p>Assigning responsibilities for specific areas.</p> <p>Emergency cleaning of debris to enable reconnaissance.</p> <p>Clearing fallen trees and branches from the roads to facilitate local relief work.</p> <p>Forming a work team carrying emergency tool kits.</p> <p>Deployment of towing vehicles, earth moving equipments, cranes,</p> <p>Construction of temporary roads.</p> <p>Keeping National & other Highways clear from disaster effects</p> <p>Assessment of damage</p> <p>Temporary supply of food, drinking water and medicines to the shelters and affected areas.</p> <p>Arrangement for safe shelter for animals.</p> <p>Providing the lighting facilities for shelter places.</p> <p>Deployment of home guards and constables to maintain law and order</p> <p>Providing temporary arrangements for income generation for the affected people</p> <p>Drought resistance short duration paddy seeds to be made available to farmers.</p> <p>Encouraging NGOs/INGOs from outside to carry out restoration and reconstruction works</p> <p>Ensuring crop insurance Supervising all the activities</p> <p>Long Term Measures:</p> <p>Immediate restoration of Road communication, Irri. system, Educ. Inst, Govt. Inst, Electrical installation, drinking water</p>	<p>All the district level officials/ officers at district Headquarters/ Circle officer/ BDOs/ POLICE/ PARAMILITARY FORCES and relevant departments</p>	<p>Cranes, Road cleaning equipments,</p> <p>Water tankers, funds, vehicles, Gen sets, Earth moving equipments, seeds, fertilizers, pump sets,</p> <p>/Military cantonment/ PED, District Agriculture Officer</p>
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	<p>supply, Construction of IAY houses for the BPL families.</p> <p>Meeting with district level officials/ Officials at Head quarter and chalk out emergency plan with vulnerable areas and resource list</p> <p>Co-ordination meeting of NGOs/ PRIs. & Assignment of duties.</p> <p>Pre-positioning of staff in the likely cut off areas</p> <p>Arrange food and other basic requirement for emergency responses.</p> <p>Collect information from different areas and to act accordingly.</p> <p>Co-ordination meeting with officials at Headquarters by 12 hours intervals and 24 hours intervals with the field officials.</p> <p>Regular collection of situations reports of the risk and vulnerable areas from the officers assign for the purpose.</p> <p>Provision for administering emergent relief and the other basic needs</p> <p>Contact with SRC for supply of Temporary shelter materials</p> <p>Keeping in touch with ADC (Relief) for supply of food articles procuring form FCI/Whole sellers.</p> <p>Deputation of Volunteers to different probable affected areas.</p> <p>Helping the evacuees for returning to their houses.</p> <p>Immediate arrangement of free kitchen in the cut-off and inaccessible areas.</p> <p>Relief distribution.</p> <p>Monitoring of Relief distribution.</p> <p>Provision of drinking water</p> <p>Provision of Medical facilities.</p>	<p>Public Works Department/ Water Resources/ Education and youth services/ PRIs/ Forest Department/ Social Forestry etc.</p> <p>All District level officials/NGOs/ CBOs/ Officials of the District office/ SRC</p>	<p>Funds from all possible Sources</p> <p>Materials for temporary shelter procured from DFO/SRC/UNDP/ NGO etc.</p> <p>Vehicles – RTO/Private agencies</p> <p>Medical requirements from DMO</p> <p>Cattle feed from DVO, NYK for Volunteer</p>
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	Repair/Restoration of Roads.		
	Transportation or Relief and Human Resources		

9.5 ROLES AND RESPONSIBILITIES OF THE ADDL. DISTRICT MAGISTRATE (A.D.M)/CEO, DDMA:

PHASE	ACTIVITIES	OTHER OFFICIALS TO BE INVOLVED	RESOURCES/EQUIPMENTS REQUIRED	REMARKS
Pre-Disaster	<p>Preparedness: Playing a second in command to the Deputy Commissioner in all aspects</p> <p>Warning Dissemination: 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 D.C. in control room round the clock basis.</p>	<p>PO, POLICE, Circle Officer, BDOs, PRIs</p> <p>Other officials of the dist. office.</p> <p>Nodal officers of other Line depts.</p> <p>Involve Warning Group a Task Force at Block, VCDC & Village level</p>	<p>VHF, Telephone, HAM</p> <p>Internet Connection</p>	Comprehensive planning and proper situational and hazard analysis
During Disaster	<p>Rescue and Evacuation:</p> <p>Information Specialized Search & Rescue Team</p> <p>Arrangement of Vehicles</p> <p>Keeping the Police and Fire Personnel ready</p> <p>Keeping staffs at the DEOC ready</p> <p>Deployment of additional staff if necessary</p> <p>Distribution of Relief:</p>	<p>RTO, IWT, Police</p> <p>Circle Officers</p> <p>BDOs</p> <p>Telecommunication</p> <p>Other officials of the dist. office</p> <p>Paramilitary forces,</p> <p>NCC/NSS/NYK</p> <p>NGOs/CBOs</p> <p>Involve Search & Rescue Group a Task Force at Block, VCDC & Village level formed</p>	<p>Vehicles, Police personnel, Other Staffs</p> <p>VHF, Telephone, HAM</p> <p>Internet Connection</p>	Things to be done on war footing and with careful monitoring



<p>Post-Disaster</p>	<p>Proper allocation of relief materials to the affected areas</p> <p>Allocation of officials for proper distribution of relief materials</p> <p>Supervision of relief distribution</p> <p>Restoration:</p> <p>Keeping liaison with all line departments</p> <p>Restoration of roads, transport and communication systems</p> <p>Collection of progress report on restoration and reporting to the Govt/ SRC/ LAD</p> <p>Periodical visits to the affected areas to supervise the restoration works</p> <p>🚧 Distribution of Relief Materials:</p> <p>Procuring a comprehensive damage report</p> <p>Allotment of relief materials/ financial assistance</p> <p>Monitoring to make sure that everything is at its place</p> <p>Coordination:</p> <p>Coordination with line departments and civil society organizations</p>	<p>under DRM programme</p> <p>Involve Relief & Coordination Group a Task Force at Block, VCDC & Village level formed under DRM</p> <p>All Circle officer, BDOs,</p> <p>Officials of Revenue Department</p> <p>NGOs/CBOs & Line departments</p>	<p>Reports on repairs/ restoration</p>	<p>Careful Isiting of beneficiaries and proper distribution</p>
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	Supervision of restoration activities under taken by different voluntary agencies.			
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9.6 ROLES AND RESPONSIBILITIES OF THE JOINT DIRECTOR HEALTH SERVICES:

PHASE	ACTIVITIES	OTHER OFFICIALS TO BE INVOLVED	RESOURCES/ EQUIPMENTS TO BE PROCURED FROM	REMARKS
Pre-Disaster	<p>Preparedness and Warning Dissemination:</p> <p>Stock piling of Life saving drugs/ ORS packets/ Halogen tablets on receipt of warning form D.C.</p> <p>Transmission of message to all PHCs to stock medicine and keep the medical staff ready</p> <p>Disease surveillance and transmission of reports to the higher authorities on a daily basis.</p> <p>Vaccination.</p> <p>To obtain and transmit information on natural calamities from the DEOC</p> <p>Advance immunization programme in the flood/Cyclone prone areas.</p> <p>Ensuring distribution of areas of operation among the mobile team.</p> <p>Pre-distribution of basic medicines to the people who are likely to be affected</p> <p>Shifting the patients who are in critical situation to the District Hospital</p>	<p>Jt. DHS</p> <p>Medical Officer of PHCs/CHCs</p> <p>ICDS</p> <p>NGOs/CBOs</p> <p>Private Practitioners in the locality/ First Aid Trainers</p> <p>Involve First Aid Task Force at Block, VCDC & Village level formed under DRM programme</p>	<p>Medicines, Required medical equipments,</p> <p>First Aid Kits</p> <p>Ambulances, Public Address systems,</p> <p>Mobile vans, Tents</p>	



	Awareness message to stop the outbreak of epidemics Conducting mock drills			
During Disaster	Rescue and Evacuation: Coordination with Specialized Search & Rescue Team Constitute mobile teams and visit the worst affected areas. Dis-infection of Drinking water sources Opening of site operation camps Regular Health Checkup at Shelter camp/ Cyclone shelter & affected areas Assigning responsibilities to the CM & HOs/ SDM & HOs for close monitoring of Health camps.	-do- Rescue team Volunteer at the Shelter Police, Fire officers, Trained volunteers	-do-	
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 outbreak of water borne disease/Malnutrition Co-ordination with the District Rehabilitation Committees, other line departments, NGOs/ ICDS projects, village committee, PHE, etc.	-do-	-do-	

9.7 ROLES AND RESPONSIBILITIES OF THE SP:

PHASE	ACTIVITIES	OTHER OFFICIALS TO BE INVOLVED	RESOURCES/ EQUIPMENTS TO BE PROCURED FROM	REMARKS
Pre- Disaster	Preparedness and Dissemination of Warning: Reception or Warning from the DEOC or other Source	Home Guard/ Para Military force/ APR forces	VHF, Other improved telecommunication systems	



	<p>Communication establishment with District and Block Control rooms and departmental offices within the division. Alerting the Police force for deployment at the time of calamity</p> <p>To issue directive to police field functionaries to co-operate with Revenue Personnel in management of Relief operation & Patrolling</p>		SP signal	
During Disaster	<p>Rescue and Evacuation: Involvement of Specialized Search & Rescue Team. 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</p> <p>Assistance to district authorities for taking necessary action against hoarders, black marketers and those found manipulation 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 belonging of evacuees</p> <p>Distribution of Relief: Maintain 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.</p>	<p>-do-</p> <p>NCC, NSS</p> <p>Trained Volunteers</p> <p>Local Youth</p> <p>NGOs/CBOs</p>	<p>-do-</p> <p>Rescue Kits, Vehicles</p> <p>Equipments for clearance of roads and water logging Boats and other related stuffs</p>	No Scope for Complacency



	<p>Providing escorts in transit of relief materials to the relief camps/ affected areas</p> <p>Patrolling: N.H, Bridge, Public Institution, Godowns etc.</p>			
Post-Disaster	<p>Short term Measures:</p> <p>FIR of the disasters, the damages and the death cases.</p> <p>Assisting in collection of damage statistics of private properties.</p> <p>Maintaining law and order</p> <p>Long term Measures:</p> <p>Close Coordination with district administration and local/ external NGOs in reconstruction and rehabilitation process</p> <p>Assisting the District authority whenever the need arises</p> <p>Periodical visits to the affected areas to ensure law and order.</p>		Vehicle communication systems	

9.8 ROLES AND RESPONSIBILITIES OF THE PROJECT OFFICER, ASDMA POSTED IN THE DISTRICT:

PHASE	ACTIVITIES	OTHER OFFICIALS TO BE INVOLVED	RESOURCES	REMARKS
Pre-Disaster	<p>Making sure that everything stays at place in the control room.</p> <p>Seeing to it that the DDMP and the contingency plan for flood/cyclone reach all the line departments.</p> <p>Receiving the Warning from SRC and crosschecking them with IMD and in websites for authenticity.</p> <p>Disseminating the warning to the Circle & block offices and asking them to disseminate further to reach each and every household.</p> <p>Deploying the staff of the control room for round the clock alertness.</p>	C.Os, BDOs, Field Officer (DM), NGOs/CBOs, DEOC Staff	<p>VHF from the Police/ HAM RADIO</p> <p>Mike-Set/ Batteries/ Generators available at the district office/ from the Private parties on requisition</p>	



	<p>Making sure that all the shelters receive enough water and food stocks in advance</p> <p>Establishing contact with all the line dept. over phone, email, wireless, sat phone and VHF</p> <p>Procuring all the required resources from all the possible sources.</p> <p>Regularly updating the information received from the departments.</p>			
During Disaster	<p>Coordinating with all the line departments for rescue and evacuation</p> <p>Checking the stocks with the DEOC and asking for more if needed.</p> <p>Distributing the relief materials to all the places</p> <p>Checking every bit of receipt and dispatch of relief items.</p> <p>Establishing round the clock contact with all the depts., C. Os and Sr. BDOs / BDOs and with the shelters.</p>	<p>D.C., ADM/CEO-DDMA, SP, Jt. DHS, DVO, C. Os, Field Officer (DM) and Sr. BDOs/ BDOs, NGOs/CBOs, DEOC Staff, NGOs, Community level volunteers</p>	<p>Relief Items, Food Stocks, Rescue and evacuation equipments, Vehicles</p>	
Post Disaster	<p>Receiving the list of beneficiaries from different BDMC and VCDC DMC</p> <p>Crosschecking the list of beneficiaries to avoid fabrication</p>	<p>C.Os, Field Officer (DM) and Sr. BDOs/BDOs, VCDCs Beneficiaries</p>		

9.9 ROLES AND RESPONSIBILITIES OF THE DISTRICT VETERINARY OFFICER:

PHASE	ACTIVITIES	OTHER OFFICIALS TO BE INVOLVED	RESOURCES/ EQUIPMENTS TO BE PROCURED FROM	REMARKS
Pre - Disaster	<p>Adequate skilled manpower</p> <p>First aid facility</p> <p>Identification of safer place (like open space/ high land)</p> <p>Network of communication with skilled personnel</p> <p>Immunization against any out breaks of prevalent diseases.</p> <p>Train Crass Disposal Team at grass root levels.</p>	<p>C.Os and Sr. BDOs/ BDOs, NGOs/CBOs, DEOC Staff, NGOs, Community level Volant, DRM Committee</p>	<p>Fodder, Vaccination, Medicines, Vehicles, Tents, Mobile Van</p>	
During Disaster	<p>Warning</p> <p>He should communicate the warning of flood received by him immediately to the sub-ordinate officers.</p> <p>Deployment of skilled personnel in the affected areas and work with local Disaster Management Team.</p>	<p>-do-</p>	<p>-do-</p>	



	Rescue and rehabilitation of affected animals to safer places Arrangement of feed and fodder. Rendering first aid where necessary.			
Post-Disaster	To arrange Veterinary Health Care camps in the affected areas. Collection of damage statistics and inform D.C. Crosschecking the list of beneficiaries to avoid fabrication (While assessment include DMC members)	-do-	-do-	

9.10 ROLES AND RESPONSIBILITIES OF THE CIRCLE OFFICERS (C.O) AND SR.BDOS/BDOS:

PHASE	ACTIVITIES	OTHER OFFICIALS TO BE INVOLVED	RESOURCES/ EQUIPMENTS TO BE PROCURED FROM	REMARKS
Pre-Disaster	<p>Preparedness: Providing authentic information required by the DEOC. Preparing a record of previous disaster in the locality and analyzing the effects. Preparing hazard maps of the Block & 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 areas 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 DEOC.</p> <p>Arrangement of alternative communication / generator sets, etc. Formation of Block/GP/Village level disaster committees and task forces.</p>	<p>All the C. Os and Sr. BDOs/BDOs functionaries. Police/Fire personnel/ RTO/ Village/ VCDC level task force/ trained volunteers Local NGOs/CBOs Line departments</p>	<p>Vehicles, Police personnel, Other staffs VHF, Telephone, HAM Rescue Kits Mobile Vans, Boats (Country & Power)</p>	<p>If possible, prepare Contingency plan for all the Vulnerable GPs and Villages</p>



	<p>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 DEOC 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.</p>			
During Disaster	<p>Rescue and Evacuation: Deployment of Police/Fire Brigade for search and rescue. Alert the Specialized Search & Rescue Team. Co-ordination with civil defense/ NYK/ NCC/Zilla 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. Assisting the Para Military etc. Distribution of Relief: Keeping the record of everything at the shelters.</p>	-Do-	-do-	Thing have be done on war footing and effectively



	<p>Arrangement of free kitchen in the shelter camps/worst affected areas.</p> <p>Deploying staff for proper distribution of relief materials in coordination with GP & Village level Disaster Management Committee</p> <p>Arrangement of communication system in the worst cut off areas.</p> <p>Ensuring supply of safe drinking water & health facilities in the affected areas/ shelter camps.</p> <p>Coordination with NGOs/Other voluntary organizations.</p>			
Post Disaster	<p>Restoration and Reconstruction:</p> <p>Collection of damage statistics like ICDS/Schools building etc.</p> <p>Ensuring just distribution of ex-gratia and other financial assistance.</p> <p>Provision of temporary income generation activities for the worst affected people.</p> <p>Supervision of Relief operation and restoration work in the affected areas.</p> <p>Restoring the transportation and educational institutions on high priority.</p> <p>Helping the local economic activities to come back to normalcy.</p> <p>Provision of grants/loans for the local traders and shop-keepers.</p> <p>Keeping liaisons with District administration and other line departments.</p> <p>Ensuring coordination with the G.P. and Village committee.</p> <p>Co-ordination with NGOs/Civil society organization etc.</p>	-do-	-do-	Careful assessment to be done for facilitating the reconstruction and restoration works

9.11 ROLES AND RESPONSIBILITIES OF THE FIELD OFFICER, DDMA POSTED IN THE REVENUE CIRCLES:

PHASE	ACTIVITIES	OTHER OFFICIALS TO BE INVOLVED	RESOURCES	REMARKS
Pre-Disaster	<p>Develops and maintains a database of information relating to all phases of disaster management.</p> <p>Maps, using GPS technology, all critical facilities within the Revenue Circle (For eg. Health facilities, community centres, designated shelters, schools, police stations, fire stations etc.).</p> <p>Supervises Shelter Management processes.</p> <p>Assists the Circle Officer and District Project Officer (DDMA) in the preparation of specific incident and monthly reports, and work programmes.</p> <p>Seeing to it that the CDMP and the contingency plan for flood/Storm reach all the line departments.</p> <p>Receiving the Warning from DEOC and crosschecking them with IMD/SEOC and in websites for authenticity.</p> <p>Disseminating the warning to the grass root level and asking them to disseminate further to reach each and every household.</p> <p>Making sure that all the shelters receive enough water and food stocks in advance</p> <p>Establishing contact with all the line dept. over phone, email, wireless, sat phone and VHF</p> <p>Regularly updating the information received from the departments.</p>	<p>BDOs, All Field level staffs</p> <p>NGOs/CBOs, Lat Mondal, Gaonpradhans</p> <p>Volunteers</p>	<p>VHF from the Police/</p> <p>HAM RADIO</p> <p>Mike-Set/ Batteries/ Generators available at the district office/ from the Private parties on requisition</p>	
During Disaster	<p>Coordinating with all the line departments for rescue and evacuation. Also Monitors evacuation operations.</p> <p>Assist RCO in preparation of GR requisition.</p> <p>Checking the stocks with the DEOC and asking for more if needed.</p> <p>Distributing the relief materials to all the places</p> <p>Checking every bit of receipt and dispatch of relief items.</p> <p>Establishing round the clock contact with all the depts., C.Os and Sr. BDOs / BDOs and with the shelters.</p>	<p>CEO-DDMA, OCs/all heads of line departments Sr. BDOs/ BDOs, NGOs/CBOs, DEOC Staff, NGOs, Community level volunteers</p>	<p>Relief Items, Food Stocks, Rescue and evacuation equipments, Vehicles</p>	
Post Disaster	<p>Conducts initial damage assessments in the aftermath of the impact of a hazard to identify emergency/disaster relief requirements</p> <p>Coordinates surveys in disaster areas to determine damage to property and repair or reconstruction requirements</p> <p>Receiving the list of beneficiaries from different VDMC Cross checking the list of beneficiaries to avoid fabrication and Assist RCO for preparation of Damage Assessment proposals.</p> <p>Conducts village level Emergency Preparedness programmes</p>	<p>Lat Mondal, Gaonpradhans and all Field level staffs of line departments, VDMCs</p> <p>Beneficiaries, Volunteers</p>		

9.12 RESPONSIBILITIES OF OTHER LINE DEPARTMENTS:

DESIGNATION OF THE OFFICER	DUTIES TO BE PERFORMED IN NORMAL TIME	DUTIES TO BE PERFORMED AFTER RECEIVING 1 ST WARNING	DUTIES TO BE PERFORMED AFTER THE DISASTER
Dist Fishery Dev. Officer	<p>He should educate the entire fisherman regarding the measures to be taken before flood to avoid loss of their properties, lives of men and cattle.</p> <p>He should arrange publicity and visual education regarding flood.</p>	<p>He should communicate the warning of flood received by him immediately to the sub-ordinate officers and see that they in turn disseminate the warning to fisherman in village. All the Staff should return their Hqrs. If on tour and be available on telephone to be identified. His field staff should see that the fishing people evacuated to the relief shelters fixed. The field staff should contract with local Goan Borah/ Warning group and keep them informed of the situation at frequent intervals.</p>	<p>Seen after the Hazard the field staff should assess the craft and tackle and report to the Dist Fishery Dev. Officer under intimation to the D.C.</p>
A.S.E. B	<p>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 flood/cyclone warning should be reported to other subordinate officers. He should be that trees, branches etc. fall on</p>	<p>On receipt of the 1st warning, it should be communicated to all the subordinate staff. He should see that all the vehicles under his control be kept in perfect order. Alert the entire staff to return their Hqrs. and get in touch with immediate requirement. They should give wide publicity that houses consumers should arrange lanterns and battery light for use in case of power is cut-off.</p>	<p>Restoration of power lines on priority to: - 1.Hospital, Water supply. 2.Control Room. 3.Railway Station And 4. To other office on priority as per list appended. Live wires on ground should be removed promptly. Damage or felled electrical poles should be immediately replaced and obstruction on roads should be got removed.</p>



	<p>electrical lines are out and removed. The field staff should see that electrical supply in the places where flood/ cyclone may be served is cut off. The field staff should be in touch with Disaster Management Committees member and inform the situation at frequent intervals. To provide Diesel generators to hospital water works. Control Room D.C. office in caser of failure of powers.</p>		
Irrigation	<p>The branches to canal drain / bundh to be closed.</p> <p>The Embankments should be Strengthened.</p> <p>It should be checked whether the passage bridge and channels are in good condition.</p> <p>The obstruction in the canals if any should be got removed immediately to be enabling free flow of water.</p> <p>The bocks and shutters of the canals are to be checked and satisfied that they are in good condition.</p> <p>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.</p> <p>Navigation in the canal should be stopped.</p>	<p>1st warning should be communicated to all the subordinate staff and employees.</p> <p>They should be alerted to check whether the canals and drains are in proper condition to allow free flow of water.</p> <p>The stations tour should take their duty places and be readily available.</p> <p>Keep sufficient no. of vehicles for one by the staff on Flood duty.</p> <p>Lunches to be requisitioned.</p>	<p>Damage due to Hazards to Govt. properties lives of man and cattle etc. should be assessed and reported to C.Os & Sr.BDOs/ BDOs, EO concerned immediately.</p>



	<p>Water supply in to canals should be out off by closing the sluices.</p> <p>The canals and drains should be free from constructing and they should be made available for free discharge of drain water.</p>		
Fire Officers	<p>The Fire Engineers should alert and other vehicles should be kept in good working condition.</p> <p>Materials required for use in emergency should be indented for and kept in reserve</p> <p>Massage received from public on disaster for help should be immediately attended.</p> <p>Keep in touch with each of the other fire stations in the district.</p>	<p>The 1st warning should be immediately communicated to fire stations.</p> <p>The staff should be called on for duty.</p> <p>Full complement of the staff should be available for the vehicles should be obtained and kept in reserve.</p>	<p>Removal of collapsed house, walls etc. should be attended.</p> <p>Persons involved in house collapsed should be promptly reserved.</p> <p>Report on the relief activities, under taken should be promptly reported.</p>
Executive Engineer roads and buildings	<p>Govt. building should be inspected and necessary repairs to be got executed to withstand hazards affected.</p> <p>Script for slides, pamphlets and cultural programmers should be got prepared immediately.</p> <p>Arrangements should be made to obtain poster and films for awareness generation among the community by addressing the Chief Engineer through the D.C.</p> <p>Public addresses equipment should be obtained kept ready.</p> <p>The public should be fully educated regarding the precautionary measures &</p>	<p>The 1st warning should be communicated immediately to all subordinate officers.</p> <p>Wide propaganda should be arranged.</p> <p>The Sub-Divisional public relation officer should be available at their Hqrs & got ready for flood duty with short notice.</p> <p>Ensure that all will be informed immediately and prepare accordingly like bamboo, rope, wire, wood, sand filled bags with palasiding, spur etc., for breached and damaged portion.</p>	<p>Photographs of damages should be taken. The field staff should convey information regarding the quantum of disaster loss of property lives men and cattle.</p> <p>They should be posted with up-to-date information and the information should be passed to the D.C. immediately.</p>



	<p>after Flood through available media.</p> <p>Specific duties should be assigned to the field staff.</p> <p>The field staff should proceed to the place of work allotted and be ready to attend to flood duty.</p>		
<p>District Transport Officer</p> <p>Motor Vehicle Inspector</p> <p>Civil Supplies Officer</p> <p>Divisional Manger Tel</p>	<p>List of vehicles running condition to be requisitioned kept ready. The MVI/Asst. MVI will report before A.D.M (Relief). Based on the experience on the previous flood sufficient no. of trucks should be procured and kept in District headquarters. To contact all Block Control Room and D.C. Office. The Asst. Engineer & Jr. Engineers will remain alert</p>	<p>Availability of petrol, oils should be ensured.</p> <p>The requisition orders on owners of vehicles for flood duty. Soon after receipt of 1st warning all the public call officers to be informed to instruct the village Goanborah/ Headman/ Postmaster/ Warning group for dissemination of warning in the villages.</p> <p>Provision of vehicles</p>	<p>Electricity Deptt. for restoration.</p> <p>Roads and building for clearance.</p> <p>Restoration of Telephone lines to control room to Collector, Hospital, fire station S.P. and other offices as per the list appended.</p>

CHAPTER-10

ROLES AND RESPONSIBILITIES IN PLANNING, RESPONSE, RECOVERY, TRAINING AND AWARENESS

ORGANISATIONS	PLANNING	PREPAREDNESS	RESPONSE	RECOVERY/ REHABILITATION	TRAINING & AWARENESS
Municipality & VCDC	*Meeting at regular intervals to update/ modify the DDMP.	*Following all the preparatory measures mentioned in the DDMP.	*Helping the rescue team in all aspects.	*Coordination with the district/ block/VCDC level administration.	Carrying out mock drills for the task force. Walling posters and disseminating warning using public address systems like loud speakers etc.
NGOs/ CBOs/ Mahila Samities/ SHGs/ Youth Clubs	*Organizing NGOs according to their specialization to form response groups. *Review and analyzed past disasters. *Prepare Community Contingency Plan in their area of operation.	*Working closely with the community in identifying the risk population such as elderly and disabled, children, pregnant women, sick, single women and people residing on the seashore. *Formation of Task Forces by involving their own volunteers and young boys and girls of the (17 to 25 years) village. *Capacity building of the Task Force.	*Mobilizing and utilization the community funds during the time of emergency. *Specifying roles and responsibilities of the Task Force. *Maintaining transparency in activities.	*Coordinating with the District administration and Block/VCDC level administration.	*Equipping the task force with proper training and providing them a contingency them a contingency manual. *Awareness building within the community. *Mock drills for finding out the suitability/ adequacy of preparedness.
Religious Institution	*Help the Administration in providing information.	*Staying aware of their responsibilities.	*Helping the district administration in relief activities.	*Coordination with the Dist/Block/VCDC level administration. *Carrying out rehabilitation activities. *Providing Counseling to morally distress.	Creating awareness among the people for preparedness.



Public and Private Corporation	*Coordinating with the administration.	*Keeping stocks for emergency needs.	*Making the stocks available during emergency. *Supplying the materials to the Control Room.	*Direct contact with the Control room and the Shelters. *Coordinate with district administration for rehabilitation.	
Armed and Para Military Forces	*To identify, access escape routes to be followed during emergency so as to ensure passing of vehicles with least inconvenience. *To document traffic control, measures to be followed during emergency.	*To plan adequate contingency measures for manpower, transport and communication. *To access and plan for augmentation of existing facilities if needed.	*To help the response group in carrying out activities in a organized manner.	*To help the district administration whenever needed.	*Mock drills for finding out the suitability/ adequacy of preparedness.



CHAPTER-11

INFORMATION, EDUCATION AND COMMUNICATION

11.1 PLAN DISSEMINATION AND EVALUATION:

The responsibility of plan dissemination is vested with the DEOC, at the Office of the Deputy Commissioner.

In order for the DDMP to be effective it must be disseminated at two levels:

- a) To the district authorities, government departments, NGOs and other agencies and institutions within the district and
- b) To general public.

11.2 DISSEMINATION OF OTHER IEC MATERIALS:

The DI & PRO at the district level will carry on the dissemination of IEC materials and NGOs at the block and village level during normal time (selected during Post Natural Calamity Committee meeting, presided over by the ADM).

The activities of these DI & PRO and NGOs would include:

- Walling,
- Posters, Pamphlets and Brochure preparation and distribution
- Padayatra,
- Street plays,
- Volunteers training,
- Task force training, etc.

11.3 TRAINING AND DRILLS:

The training programmes are organized for different levels of functionaries from district level officials identified NGOs, Private Sector Organizations in order to equip them to extend training facilities to functionaries at blocks and village level as well as organize simulation exercises within the community.

The objective of full-scale drill includes evaluation of the following:

- Practicality of the plan (structure and organization).
- Adequacy of communication and interactions among the agencies and the public.
- Emergency equipment effectiveness.
- Adequacy of first aid and rescue procedures.
- Adequacy of emergency personnel response and training.
- Public relation skills.
- Evacuation and count procedures.
- Coordination with the CBOs / NGOs.

11.4 COMMUNITY BASED DISASTER PREPAREDNESS AND MOCK DRILLS:

Role of the Community

- First respond to disaster.
- Participate in preparedness programme.
- Sharing of disaster preparedness cost.
- Playing as pressure group / advocacy.
- Stockpiling and Coordination.
- Supporting communication System



The Community Based Disaster Preparedness should be done as per the following stages:

- Formation of Block Level Disaster Committee.
- Training of line department and volunteers.
- Formation of VCDC level Committee.
- Developing Community Contingency Plans in the Villages.
- Training of Task Forces.
- Periodic mock drills.
- Coordination of VCDC and Block.
- Updating information.

Mock drills are important in normal times as well as during the emergency. The mock drill and preparedness for disaster are considered as a part of police duty. Every six months, there should be a mock drill in all of the police stations of the district to make them alert / fit to cope with any situation. Security Plan for all industries to be reviewed and approved by CISF at regular intervals. Similarly, all police stations should have internal security scheme, based on which they should have mock drills and update it for safety measures as per requirement.

Besides a contingency drill should be enacted during the cyclone/ flood season so that everyone knows what he/she should do and where he/she should go. It is advisable to have a mock drill at night during the rain, by cutting of the electricity in the village/ block/ district (as per the time chosen for the mock drill at each level). This exercise will help learn possible problem that would be faced. These learned lessons could be utilized in preparing the contingency plan in a much-prepared manner.

11.5 SETTING UP OF DISASTER VOLUNTEER FORCE - IDENTIFICATION AND TRAINING:

An analysis of the situation of the village community forms the first task for preparedness. After analysis, the villagers would form different groups to carry on the activities for disaster preparedness. The motivated and willing male and female group members have to find out the roles and responsibilities of each group. The groups may be formed for warning, rescue and evacuation, water and sanitation, relief and food, damage assessment, shelter management, etc. This will form the Disaster Management Teams. For warning group, members could be young boys and girls of the village (17 to 25 years) who will be trained to understand radio warnings and act fast to spread the warning throughout the village.

The members for Rescue and Evacuation Group need to be physically strong (both men and women) and in the age group of 18 to 35 years. Inclusion of civil defence personnel would be useful if available in the village. This team can coordinate with the government to avail the facilities for rescue and evacuation, both in terms of rescue training, rescue infrastructure and equipment and ensuring the alertness of the rescue team of the government. Both men and women members may look after the Water and Sanitation responsibilities at the shelters as well as outdoors.

The members of the relief group shall collect, distribute relief materials such as food supply, utensils, clothes, kerosene, diesel, etc and coordinate all the relief requirements of the other action groups. Both men and women members have to be



capable of interacting with the local authorities to ensure adequate supplies reach the village in time.

The members of shelter management group shall have more women members preferably SHG members and Anganwadi Workers. They will be at the shelters and safe houses looking after the evacuees' food, water and medication requirements. This group can also coordinate with the government authorities to ensure that health and sanitation facilities are available for extra vulnerable like women and children.

There can also be a First Aid and Medical Group, with equal numbers of men and women, those with some knowledge of nursing (such as trained dais and AWW/ ANMs) will be preferable. The members have to go through intensive training and drills for first aid and medical responsibility.



CHAPTER-12

STANDARD OPERATING PROCEDURE(SOP)

FOR DISTRICT EMERGENCY OPERATION CENTER

KOKRAJHAR DISTRICT

TELEPHONE: +91-3661-270657 & 1077

(DC OFFICE)

START IMMEDIATELY ON RECEIVING CYCLONE / FLOOD WARNING OR INFORMATION ABOUT ANY OTHER EMERGENCY.

12.1 OFFICER IN CHARGE OF CONTROL ROOM:

The control room shall be in overall charge of the District Commissioner. In the absence of District Commissioner, ADM or any other officer or staff on duty at that point of time shall remain in charge of Control Room. The person in charge of control room shall be personally responsible for implementing the SOP. She/he shall take all decisions as outlined below and sign for the District Commissioner on all reports mentioned below. She/he shall not wait for orders from anybody.

12.2 ASSEMBLY IN CONTROL ROOM:

Following staff and officers shall assemble in the Control Room on getting any information from any source about any emergency. Apart from these, any other officer or staff who gets the information from any source will reach the Control room.

- District Commissioner, ADM, All departmental heads.
- All staffs of emergency section, representatives of development section, Stenos to District Commissioner & ADMs.

12.3 GETTING THE CONTROL ROOM READY:

Following preparatory steps will be taken up for keeping the control room functional during emergency.

- Shift two more phone lines to control room.
- Arrange VHF to Control room.
- Keep a radio with new batteries ready.
- Hire 3 generator sets.
- Stock 2 barrels of Kerosene and Diesel for running the generator sets.
- Charge the battery of VHF set of control room and staff car.
- Charge the battery of inverter.
- In case of cyclone warning, arrange four extra batteries.
- Charge the satellite phone and test it.

12.4 ALERT ALL FIELD OFFICERS:

Circle Officers, Field Officer (DM)s, BDOs, DMOs, DA&VO, Police, Industries, Telephone, Agriculture, PHE, PWD (R& B), ICDS, Irrigation, NH, Municipality, MLAs, MPs, Fire Services, Civil Defence, All India Radio. DIPRO shall inform the media. Warning shall be issued in the following format.



INFORMATION DISSEMINATION FORMAT:

Emergency Warning Message No.	Dt.
To: SP/ All Circle Officer/ BDOs/ Medical Officers/ EE R&B/ EE RD/ GM NIC/ DIPRO/ DDA/ Dls of Schools/ PHE.....	
(Space for message)	
Deputy Commissioner, Kokrajhar	

1. Call up the officers and ensure that they remain in headquarters.
2. Prepare a logbook for recording chronological sequence of events.
3. Food and Kerosene:
 - 3.1. Check-up availability of food (rice, Chira and M. Dal) and kerosene at block headquarters, with storage agents and other inaccessible pockets. BDOs shall contact all Storage Agents. They shall personally visit the godowns and verify the stocks. The Agents shall remain present at the store round the clock. BDOs shall immediately depute one officer to the place where the storage godowns are located.
 - 3.2. Supply Department and one ADM shall remain in charge of godowns. Owners of the godowns shall be actively involved.
 - 3.3. Direct the godowns and FCI to remain open on all days, including Sundays and holidays, till situation gets back to normal.
 - 3.4. Start movement of food stock and Kerosene Oil from block headquarters to areas that are likely to be cut-off.
 - 3.5. Start movement of food stock and K. Oil from district headquarters to block headquarters.
4. Check availability of sand bags. Get sandbags from the nearest locations.
5. Health sector: Make a rapid assessment of the following:
 - 5.1. Check up the stock of medicines, bleaching powder, and halogen tablets. If necessary, send immediate requisition.
 - 5.2. Start movement of medicines, bleaching powder, etc. to PHCs/CHCs.
 - 5.3. Ensure that medical officers are in place at the PHCs and CHCs through police stations, Circle Officers & Sr. BDOs/ BDOs.
 - 5.4. DMO shall decide the locations of camps.
 - 5.5. All Paramedical Officers shall be teamed up with the MO of PHC/ CHC with their vehicles and supervisors.
6. Vehicles: Requisition 15 small and 15 big vehicles immediately. Further requisition will be made as per need.
7. Empower field officials to requisition vehicles. Send 10 requisition forms to each Circle Officer, BDO and Police station.
8. Boats: Requisition boats from other districts.
9. Ask District Commissioner of other districts, to remain ready for supply of stocks of rice and Chira, if required.
10. Close educational institutions after assessing the seriousness of the emergency.
11. Veterinary measures: Immediately contact MD, OMFED and tie up the supply of cattle feed. DVO shall make assessment of vaccines and fodder availability.



12. Air Dropping Zones: Use the Lat-long book for identifying the air dropping zones. Make an advance list of villages where air dropping may be needed.
13. Each JE of R&B, and NH & IRRIGATION shall keep ready a group of 20 persons (severe flood or cyclone- 40-person group) with axes and saws. They will also have one chain-pulley system ready.
14. Requisition the services of officers who have been effective in the past. Allot areas to them with full powers of decision making on the spot.
15. Make a thorough assessment of relief items available in stock at different places.
16. Functional distribution of work: Following functional distribution of works shall be done. Each team will have staff and resources. The team leader will have full powers to take decisions.

- Transportation Team
- Stock and Store Team
- Finance team
- Information and Office Documentation Team
- Food and other relief items team
- Civil Society and International Organizations' co-ordination team
- Civil Society Organizations: Get in touch with civil society organizations. Allot them areas or functions. Get them introduced to the field functionaries. Ask them to prepare a list of volunteers. Make a quick inventory of their resources. Contact UNICEF, UNDP, OXFAM, Action Aid and other international agencies. Make a quick assessment of district needs and expectations from different agencies.
- Press briefings: Press briefings play a very important role in disaster management.
- Daily press briefs will be issued at 1600 hours. Written information will be issued.
- **FOLLOWING FORMAT WILL BE USED.**

KOKRAJHAR DISTRICT PRESS NOTE NO.		DATED:		
		Total	Affected	Remarks
1	Blocks/ Municipal Wards			
2	Villages			
3	Population			
4	Severely affected areas			
5	Rescue measures			
	Boats deployed			
	Army/ Navy/ Coast Guard			
	Police/ Fire Brigade			
	Other agencies			
	Exemplary events			
6	Relief measures	Qty	Village covered	Days covered
	Rice			
	Chira			
	Other dry food			



	Kerosene Oil			
	Polythine Sheets			
	Tents			
	Cattle Feed			
	Halogen Tablets			
	Medicines			
	Air dropping sorties			
7	Causalities			
8	Missing Reports			
9	Cattle Death			
10	Civil Society Organization			
	Damage to property	Number	Approx Value	
11	Roads			
	Embankment breaches			
	Schools			
	Other public buildings			
	House damage			
	Electrical installations			
	Others			
12	Prospects in next 24 hours			
13	Message for people			
14	Other details			

15. Message to public over All India radio should be specific. Apart from the warning, it should include the following three points.

15.1. Take shelter in nearest RCC building.

15.2. Keep cattle tied in open spaces.

15.3. Keep sufficient dry food.

16. Regularly contact S.R.C., Home Secretary, Revenue Secretary, Addl. Secretary to Chief Minister, Chief Secretary and Health Secretary.

17. Give written orders for identifying places for starting free kitchens. Issue clearance for 3 days.

18. Regularly check-up <http://sdmassam.nic.in>, www.imd.ernet.in, www.bbc.co.uk/weather and other web sites.

19. Keep spare copies of district maps. Jurisdiction maps of all irrigation divisions shall be kept ready in good numbers.

20. Get mobile phones of Head of Departments

21. Contact State Bank of India and BSNL for making available VSAT network in case of failure of all communication channels.

22. Contact Flood Cell of the Govt. of Assam.



23. Requisition all IB/ Rest sheds.
24. Requisition School/ College for army/ police forces.
25. Direct all field officers to hire generators and keep sufficient oil for running them.
26. Direct all police stations to keep spare batteries for VHF.
27. Looking at the onset of emergency and after making quick preparations, convene Emergency meeting of important official and non-official agencies. Give them clear instructions.
28. Make a duty roster. Important officials cannot afford to break down together.

12.6 LINKAGES WITH CIRCLE/BLOCK/ VILLAGE AND OTHERS:

Coordination/ Linkage	Revenue Circle Level Task Force Committee/Circle Disaster Management Committee/Block Disaster Management Committee (BDMC)/ Village Disaster Management Committee (VDMC) & Other Task Force
Preparedness	Disaster management committees will meet every month
Pre (after warning)	<ul style="list-style-type: none"> ▪ Meeting immediately under the chair person of BDO and chalk out an emergency plan with vulnerable areas and resource list ▪ Coordination meeting of NGO/CBOs ▪ Delegation of duty ▪ Pre-positioning of staff in cut off areas ▪ Arrange food and other basic need for emergency response ▪ Getting information from different areas and take appropriate steps ▪ Record keeping
During	<ul style="list-style-type: none"> ▪ Coordination meeting continue at every 6-hour intervals ▪ Regular collection of situations (status) of the risk and vulnerable areas ▪ Provision of food and other basic needs ▪ Contact with District Administration for supply of food and other materials ▪ Deputation of NGO/CBOs/Volunteers to different areas ▪ Record keeping
Post	<ul style="list-style-type: none"> ▪ Helping community to go back home ▪ Immediate start of free kitchen centers in the cut off areas ▪ Relief distribution ▪ Maintenance of law and order ▪ Monitoring of the relief distribution ▪ Record keeping ▪ Provision of drinking water ▪ Provision of health service ▪ Repair of roads ▪ Transportation of relief and human resources



	<ul style="list-style-type: none"> Renovation of Circle/Block / Villages contingency plan according to the felt experience / need
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12.7 CHECK LIST FOR PREPAREDNESS:

1. REVENUE CIRCLE OFFICER

ACTIVITIES	YES/NO	REMARKS
	USE TICK MARKS WITH PENCIL	USE PENCIL ONLY
<ul style="list-style-type: none"> Vulnerable and risk assessment map Cut off area with safe route map Storing facilities List of dealers for food List of volunteers Control room set up Boat and transportation for rescue Transportation for food supply Pre – positioning of staff Site operation centers/staff Evacuation and rescue of people Coordination and linkage Damage assessment Address and telephone list Alternative communication system Pulling resources from outside is required Having network with neighboring Circles/blocks 		

2. VDMC CHAIRPERSON

ACTIVITIES	YES/NO	REMARKS
	USE TICK MARKS WITH PENCIL	USE PENCIL ONLY
<ul style="list-style-type: none"> Ensuring the function of Village Disaster Management Committee Approval of Village Disaster Management Plan in the VDMC Awareness generation 		

3. MO, PHC / CHC

ACTIVITIES	YES/NO	REMARKS
	USE TICK MARKS WITH PENCIL	USE PENCIL ONLY
<ul style="list-style-type: none"> Stock positioning of life saving drugs, ORS, IV fluids and other equipments Distribution of ORS, Halogen List of contact address of field staff List of trained volunteers on first aid List of AWWs List of epidemics/ risk prone areas List of site operation areas 		



<ul style="list-style-type: none"> ▪ Mobile health clinic/ unit ▪ List of private and local doctors ▪ Awareness through propagation of healthy practices during the disaster time ▪ Train the village taskforce members on the use of medicines and provide first aid ▪ Daily disease report collection and analysis ▪ Propagation and carrying out preventive measures ▪ Taking help of other Blocks 		
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4. JE IRRIGATION

ACTIVITIES	YES/NO	REMARKS
	USE TICK MARKS WITH PENCIL	USE PENCIL ONLY
<ul style="list-style-type: none"> ▪ Stock piling of materials like sand bags, bamboo at vulnerable points/ places ▪ Provision for guarding or weak points ▪ List of volunteers ▪ Taking help of the community for maintenance of weak embankments ▪ Taking proper measures for protecting the weak points ▪ Coordinating with other line department 		

5. AGRICULTURE OFFICER

ACTIVITIES	YES/NO	REMARKS
	USE TICK MARKS WITH PENCIL	USE PENCIL ONLY
<ul style="list-style-type: none"> ▪ List of different areas to e affected by different hazards ▪ Crop pattern with land holding ▪ List of irrigation points with status ▪ Alternative crop ▪ Trained for food preservation and protection ▪ Assessment of damage ▪ Provision of seeds and others ▪ Helping in raising of community nursery for seeding / sapling ▪ Crop insurance ▪ Generate seed bank / grain bank at village level ▪ Coordinating with others 		



6. VETERINARY OFFICER

ACTIVITIES	YES/NO	REMARKS
	USE TICK MARKS WITH PENCIL	USE PENCIL ONLY
<ul style="list-style-type: none"> ▪ Animal population with categories ▪ Possible problems related to different hazards ▪ Dealer of feeds / fodder ▪ List of cow sheds ▪ Site camps with volunteers ▪ Programme for mass vaccination ▪ Trained the taskforce to use of medicine ▪ Coordinating with others 		

7. JE PWD (R& B) / JE (E & D)

ACTIVITIES	YES/NO	REMARKS
	USE TICK MARKS WITH PENCIL	USE PENCIL ONLY
<ul style="list-style-type: none"> ▪ Identification of weak points ▪ Repair the weak points before hazards season ▪ Stockpiling of building materials ▪ List of dealers for building materials ▪ Promotion / training of people on retrofitting / resistance building ▪ Arrangement of equipment for road clearance ▪ Plan for vulnerable reduction ▪ Coordinating with others 		

8. CONTROL ROOM

ACTIVITIES	YES/NO	REMARKS
	USE TICK MARKS WITH PENCIL	USE PENCIL ONLY
<ul style="list-style-type: none"> ▪ Assignment of Duty ▪ Maintain inventory of resources ▪ Provide information on routine basis and keep record ▪ Receive preparedness reports from various relevant deptts. ▪ Based on the report, provide feedback to the district authority and others ▪ Display of vulnerable area map ▪ Display Imp. Tel. numbers 		



10. OPERATIONAL GUIDELINES OF WHAT TO DO DURING DISASTERS

13.1 OPERATIONAL GUIDELINES OF WHAT TO DO IN THE EVENT OF A FLOOD:

DO'S	DON'TS
<p>Listen to the Radio/TV/Public Addressing System for advance information and advice. Disconnect all electrical appliances and move all vulnerable personal and household goods and clothing out of reach of floodwater, if you are warned or if you suspect that floodwaters may reach the house.</p> <p>Move vehicles, Farm animals and Movable goods to the highest ground nearby.</p> <p>Turn off electricity, gas if you have to leave the house.</p> <p>Lock all outside doors and windows if you have to leave the house.</p> <p>If you have to evacuate, do not return until advice.</p>	<p>Do not enter floodwaters on foot if you can avoid it.</p> <p>Never wander around a flooded area.</p> <p>Do not allow children to play in, or near, floodwaters.</p> <p>Do not drive into water or unknown death and current.</p> <p>Do not eat food or drink water, which is affected by floodwater.</p>

13.2 OPERATIONAL GUIDELINES OF WHAT TO DO IN THE EVENT OF A CYCLONE:

DO'S	DON'TS
<p>Listen to the Radio/TV/Public Addressing System for advance information and advice. Allow considerable margin for safety.</p>	<p>Do not go outside or into a beach during a lull in the storm.</p> <p>Be away of fallen power lines, damaged bridges and structures.</p>
<p>A cyclone may change direction, speed or intensity within a few hours, so stay tuned to the radio/ TV for updated information</p> <p>Tape up large windows to prevent from shattering</p>	<p>Do not go for sightseeing.</p>
<p>Move to the nearest shelter or vacate the area if this is ordered by the appropriate government agency.</p> <p>Stay indoors and take shelter in the strongest part of the house / society.</p> <p>Open windows on the sheltered side of the house if the roof begins to lift.</p> <p>Find shelter if you are caught out in the open.</p> <p>If you have to evacuate, do not return until advice</p>	

13.3 OPERATIONAL GUIDELINES OF WHAT TO DO IN THE EVENT OF A HEAT WAVE:

DO'S	DON'TS



<p>Listen to the Radio / TV / Public Addressing System for advance information and advice. Finish the work at the morning or leave it to the evening. Drink Sufficient Water & take food. Keep your head away from direct heat. Use Clothes, Cap, Umbrella or Glasses. Keep Stock water with you. Wear light dresses.</p>	<p>Avoid standing under direct sun. Avoid Long Drive.</p>
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13.4 OPERATIONAL GUIDELINES OF WHAT TO DO IN THE EVENT OF ADROUGHT SITUATION

DO'S	DON'TS
<p>Save Water & Stock Water. Arrange for alternate cropping. Contact Nearest Agriculture Office.</p>	<p>Stop misuse of water.</p>

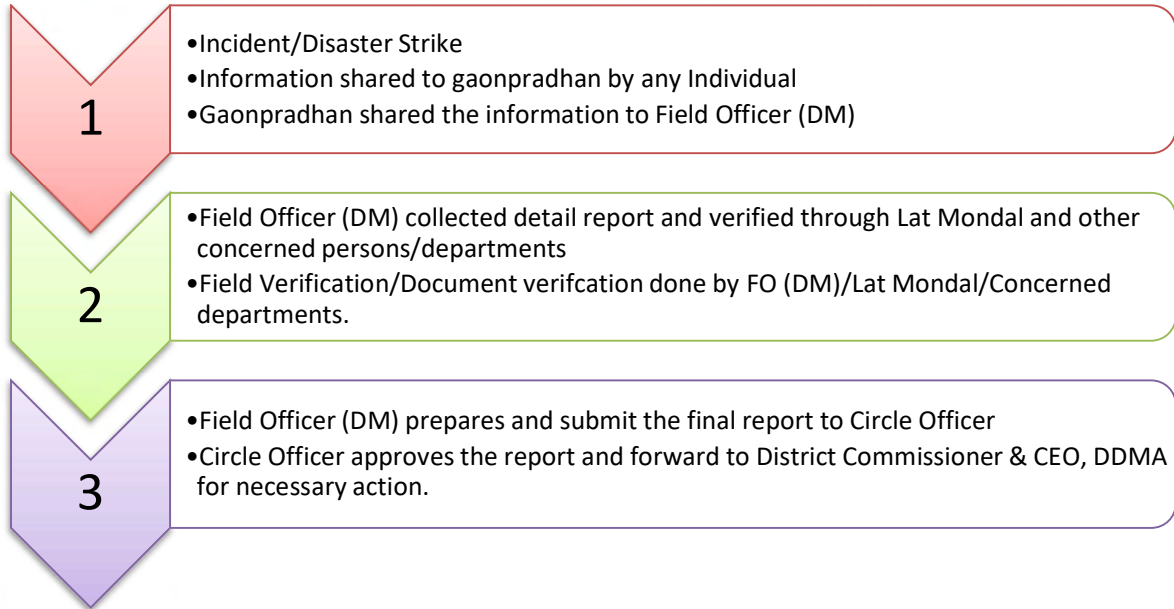
13.5 OPERATIONAL GUIDELINES OF WHAT TO DO IN THE EVENT OF AN EARTHQUAKE:

DO'S	DON'TS
<p>Listen to the Radio/TV/Public Addressing System for advance information and advice</p> <p>Teach all members of your family how to turn off the electricity, water and gas supply.</p> <p>Protect yourself by staying under the lintel of an inner door, in the corner of a room, under a table or even under a bed.</p> <p>Keep away from Old, Tall or Ditched building, electricity wires, slopes and walls, which are liable to collapsed.</p> <p>Stop the vehicle away from building, walls, slopes, electricity wires and cables.</p> <p>Live your badly damaged house.</p> <p>Collect water containers, food items and ordinary and facial medicines.</p>	<p>Do not run and don not wander round the streets.</p> <p>Keep away from buildings, walls, slopes, electricity wires and cables & stay in the vehicle.</p> <p>Do not rush to the doors or exits, never use the lifts keep well away from windows, mirrors, chimneys and furniture.</p> <p>Do not rush to the doors or exists, never use the lift.</p> <p>Avoid well away from windows, mirrors, chimneys and furniture.</p> <p>Do not rush to the doors or exists, never use the lift.</p> <p>Avoid places where there is use electric wires and do not touch any metal object in contact with them</p> <p>Do not re-enter badly damaged buildings and do not go near damage structures.</p>

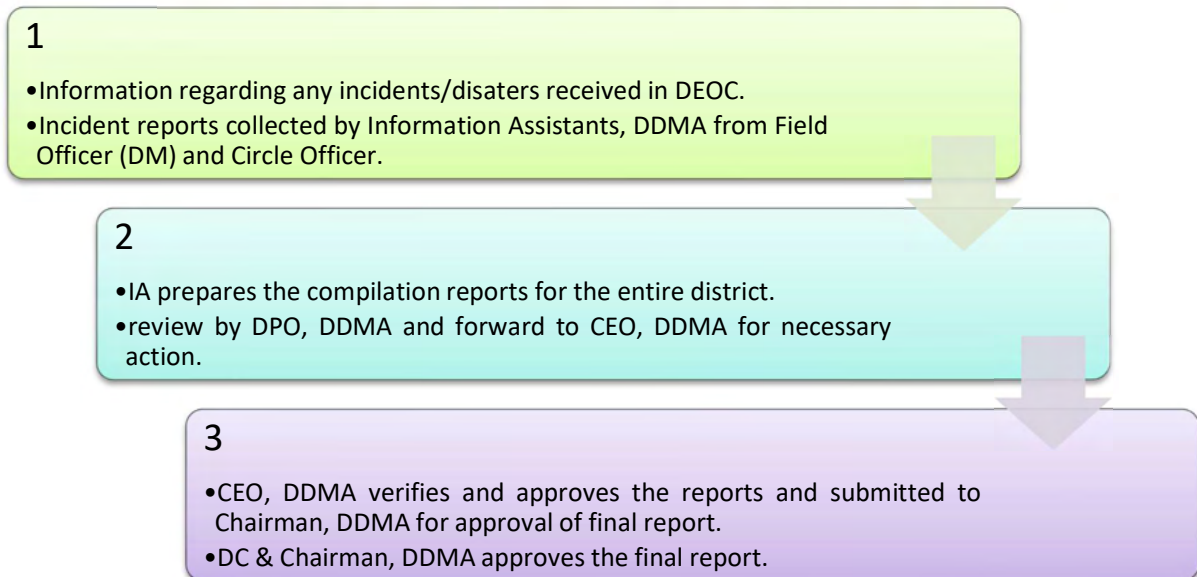
CHAPTER-13

DISASTER REPORTING MECHANISM

REVENUE CIRCLE LEVEL



DISTRICT LEVEL



Annexure- I

VULNERABLE VILLAGE LIST OF KOKRAJHAR DISTRICT

Vulnerable Village List			
Sl. No.	Revenue Circle	Name of Villages	Vulnerable Villages
1	Gossaigaon	No.1 Khoksaguri	Most Vulnerable
2	Gossaigaon	No. 2 Khoksaguri	Most Vulnerable
3	Gossaigaon	No. 3 Khoksaguri	Most Vulnerable
4	Gossaigaon	Khoksaguri Block	Most Vulnerable
5	Gossaigaon	Simaltapu Block	Most Vulnerable
6	Gossaigaon	No.1 Simaltapu	Most Vulnerable
7	Gossaigaon	No.2 Simaltapu	Most Vulnerable
8	Gossaigaon	No. 3 Simaltapu	Most Vulnerable
9	Gossaigaon	Simaltapu PGR	Most Vulnerable
10	Gossaigaon	No.1 Majadabri	Most Vulnerable
11	Gossaigaon	No.2 Majadabri	Most Vulnerable
12	Gossaigaon	No. 3 Mazadabri	Most Vulnerable
13	Gossaigaon	No. 1 Garumarachar	Most Vulnerable
14	Gossaigaon	No. 2 Garumarachor	Most Vulnerable
15	Gossaigaon	No. 1 Khayarghotu	Most Vulnerable
16	Gossaigaon	No. 2 Khayarghutu	Most Vulnerable
17	Gossaigaon	Jaraguri Block	Mild Vulnerable
18	Gossaigaon	Jaraguri PGR No. 1	Mild Vulnerable
19	Gossaigaon	Jaraguri PGR No. 2	Mild Vulnerable
20	Gossaigaon	No.1 Jaraguri	Mild Vulnerable
21	Gossaigaon	No.2 Jaraguri	Mild Vulnerable
22	Gossaigaon	No. 1 Bajugaon	Mild Vulnerable
23	Gossaigaon	No. 2 Bajugaon	Mild Vulnerable
24	Gossaigaon	Gokulkata Block	Mild Vulnerable
25	Gossaigaon	No.2 Gokulkata	Mild Vulnerable
26	Gossaigaon	No. 1 Goladangi	Mild Vulnerable
27	Gossaigaon	No. 3 Dawaguri	Mild Vulnerable
28	Gossaigaon	Thakurpur	Mild Vulnerable
29	Gossaigaon	Karlingpur	Mild Vulnerable
30	Gossaigaon	Gossaigaon Town	Mild Vulnerable
31	Gossaigaon	Naichapur	Mild Vulnerable
32	Gossaigaon	Naichapur Mechpara	Mild Vulnerable
33	Gossaigaon	Edelghutu	Mild Vulnerable
34	Gossaigaon	Modati	Mild Vulnerable
35	Gossaigaon	Anthabari	Mild Vulnerable
36	Gossaigaon	Guwabari	Mild Vulnerable
37	Gossaigaon	Dolgaon	Mild Vulnerable
38	Gossaigaon	Kamarpara	Less Vulnerable
39	Gossaigaon	Polashguri	Less Vulnerable
40	Gossaigaon	Haruafuta	Less Vulnerable
41	Gossaigaon	No.2 Hawriapet	Less Vulnerable
42	Gossaigaon	Oxiguri	Less Vulnerable



43	Gossaigaon	Padmabil	Less Vulnerable
44	Gossaigaon	Babubil	Less Vulnerable
45	Gossaigaon	Bashbari	Less Vulnerable
46	Gossaigaon	Habrubil	Less Vulnerable
47	Gossaigaon	Jajlaigaon	Less Vulnerable
48	Gossaigaon	Thaigirguri	Less Vulnerable
49	Gossaigaon	Gardenpur	Less Vulnerable
50	Gossaigaon	No.2 Kanhupara	Less Vulnerable
51	Gossaigaon	Rjadabari	Less Vulnerable
52	Gossaigaon	No. 1 Ali Nagar	Less Vulnerable
53	Gossaigaon	No. 2 Ali Nagar	Less Vulnerable
54	Gossaigaon	No. 1 Hatigarh	Less Vulnerable
55	Gossaigaon	No. 2 Hatigarh	Less Vulnerable
56	Gossaigaon	Kopragaon	Less Vulnerable
57	Gossaigaon	No. 1 Garokotra	Less Vulnerable
58	Gossaigaon	No.2 Panbari	Less Vulnerable
59	Gossaigaon	No. 1 Palashguri	Less Vulnerable
60	Dotma	Burimukh	Vulnerable Villages
61	Dotma	Shikarbil	Vulnerable Villages
62	Dotma	Suryakata	Vulnerable Villages
63	Dotma	Munchirghope	Vulnerable Villages
64	Dotma	Shyamthaibari	Vulnerable Villages
65	Dotma	Kotribari	Vulnerable Villages
66	Dotma	Majulipara	Vulnerable Villages
67	Dotma	Gwthaibari	Vulnerable Villages
68	Dotma	Bauti	Vulnerable Villages
69	Dotma	Baghmara	Vulnerable Villages
70	Dotma	Borshijhora Pt-I Borshijhora Pt-	Vulnerable Villages
71	Dotma	Dotma Pt-I	Vulnerable Villages
72	Dotma	Dotma Pt-II	Vulnerable Villages
73	Dotma	Guwabari	Vulnerable Villages
74	Dotma	Habrubari	Vulnerable Villages
75	Dotma	Laudanga	Vulnerable Villages
76	Dotma	Bhutiapara	Vulnerable Villages
77	Dotma	Dumriguri	Vulnerable Villages
78	Dotma	Alengmari	Vulnerable Villages
79	Dotma	Umanagar	Vulnerable Villages
80	Dotma	Gomobill	Vulnerable Villages
81	Dotma	Nowarbhita	Vulnerable Villages
82	Dotma	Mauriagaon	Vulnerable Villages
83	Dotma	Saragaon	Vulnerable Villages
84	Dotma	Chalani	Vulnerable Villages
85	Dotma	Kharida Modati	Vulnerable Villages
86	Dotma	Brajakhal	Vulnerable Villages
87	Dotma	Tekhorkhata	Vulnerable Villages
88	Dotma	Amtoli	Vulnerable Villages
89	Dotma	Angtihara	Vulnerable Villages



90	Dotma	Shikargaon	Vulnerable Villages
91	Dotma	Dhepdhepi	Vulnerable Villages
92	Dotma	Teteliguri	Vulnerable Villages
93	Dotma	Simlaguri	Vulnerable Villages
94	Dotma	Boragari	Vulnerable Villages
95	Dotma	Thuribari	Vulnerable Villages
96	Dotma	Binnachora	Vulnerable Villages
97	Dotma	Sankarpara	Vulnerable Villages
98	Dotma	Chokapara	Vulnerable Villages
99	Dotma	Tafapara	Vulnerable Villages
100	Dotma	Moinartal	Vulnerable Villages
101	Dotma	Modhupur	Vulnerable Villages
102	Dotma	Lamapara	Vulnerable Villages
103	Dotma	Noyachora	Vulnerable Villages
104	Dotma	Bogriguri	Vulnerable Villages
105	Dotma	Kotpara	Vulnerable Villages
106	Dotma	Chithilaghop	Vulnerable Villages
107	Dotma	Chithilagram	Vulnerable Villages
108	Dotma	Rabhapara	Vulnerable Villages
109	Dotma	Kodaldhowa	Vulnerable Villages
110	Dotma	Dhopertal	Vulnerable Villages
111	Dotma	Kharida Sandla Pt-I	Vulnerable Villages
112	Dotma	Kharida Sandla Pt-II	Vulnerable Villages
113	Dotma	Duramari	Vulnerable Villages
114	Dotma	Karaitari	Vulnerable Villages
115	Dotma	Mohisbathan	Vulnerable Villages
116	Dotma	Khejurbari	Vulnerable Villages
117	Dotma	Bhakuamari	Vulnerable Villages
118	Dotma	Bahadurpara	Vulnerable Villages
119	Dotma	Athiabari	Vulnerable Villages
120	Dotma	Jogdai Muslimpara	Vulnerable Villages
121	Dotma	Sandlartari	Vulnerable Villages
122	Dotma	Koraitola M. Para	Vulnerable Villages
123	Dotma	Oxiguri	Vulnerable Villages
124	Dotma	Anthaibari	Vulnerable Villages
125	Dotma	Choraideka	Vulnerable Villages
126	Dotma	Pochim Kolobari	Vulnerable Villages
127	Dotma	Kolobari	Vulnerable Villages
128	Dotma	Narabari	Vulnerable Villages
129	Dotma	Kumguri	Vulnerable Villages
130	Dotma	Jharbari	Vulnerable Villages
131	Dotma	Ouguri	Vulnerable Villages
132	Dotma	Bangaljhora	Vulnerable Villages
133	Dotma	Sialmari No.1	Vulnerable Villages
134	Dotma	Sialmari No.2	Vulnerable Villages
135	Dotma	Sialmari No.3	Vulnerable Villages
136	Dotma	Sialmari No.4	Vulnerable Villages



137	Dotma	Bhawraguri	Vulnerable Villages
138	Dotma	Genduguri	Vulnerable Villages
139	Dotma	Hazarkia No.1	Vulnerable Villages
140	Dotma	Hazarkia No.2	Vulnerable Villages
141	Dotma	Pakeriguri	Vulnerable Villages
142	Dotma	Deborgaon	Vulnerable Villages
143	Dotma	Rabhapara No.1	Vulnerable Villages
144	Dotma	Rabhapara No.2	Vulnerable Villages
145	Dotma	Nepalpara	Vulnerable Villages
146	Dotma	Ramfalbil	Vulnerable Villages
147	Dotma	Uttar Ramfalbil	Vulnerable Villages
148	Dotma	Lakhsnabari	Vulnerable Villages
149	Dotma	Athiabari	Vulnerable Villages
150	Dotma	Saragaon	Vulnerable Villages
151	Dotma	Tengaigaon	Vulnerable Villages
152	Dotma	Hasraobari	Vulnerable Villages
153	Dotma	Kalaigaon	Vulnerable Villages
154	Dotma	Bilashpur	Vulnerable Villages
155	Dotma	Dangarkhuti	Vulnerable Villages
156	Dotma	Pochim Dangarkhuti	Vulnerable Villages
157	Dotma	Kauradumuni	Vulnerable Villages
158	Dotma	Dakhin Dangarkhuti	Vulnerable Villages
159	Dotma	Banugaon	Vulnerable Villages
160	Dotma	Padmabill	Vulnerable Villages
161	Dotma	Uttar Khagrabari	Vulnerable Villages
162	Dotma	Ghoskata	Vulnerable Villages
163	Dotma	Taktara	Vulnerable Villages
164	Dotma	Bonorgaon	Vulnerable Villages
165	Dotma	Khagrabari	Vulnerable Villages
166	Dotma	Hekoipara	Vulnerable Villages
167	Dotma	Balahama	Vulnerable Villages
168	Kokrajhar	Bechimari	Vulnerable
169	Kokrajhar	Kokrajhar Bagicha	Very Vulnerable
170	Kokrajhar	Chandamari	Vulnerable
171	Kokrajhar	Mokrapara	vulnerable
172	Kokrajhar	Bhadeyaguri	Very Vulnerable
173	Kokrajhar	Khutamari	Very Vulnerable
174	Kokrajhar	Burapara	Vulnerable
175	Kokrajhar	Bhotgaon Medhipara	Vulnerable
176	Kokrajhar	Tilapara	Vulnerable
177	Kokrajhar	Ghoramara	Vulnerable
178	Kokrajhar	Mahajanpara	Very Vulnerable
179	Kokrajhar	Sonamayee	Vulnerable
180	Kokrajhar	Kamlachara Chechapani	Very Vulnerable
181	Kokrajhar	Joypur	Very Vulnerable
182	Kokrajhar	Katrigacha	Vulnerable
183	Kokrajhar	Kokrajhargaoon	Vulnerable



184	Kokrajhar	Joybhum	Vulnerable
185	Kokrajhar	Dimalgaon	vulnerable
186	Kokrajhar	Boro-Bhatarmari	Vulnerable
187	Kokrajhar	Titaguri Pt-I	Vulnerable
188	Kokrajhar	Titaguri Pt-II	Vulnerable
189	Kokrajhar	Baragarh	Vulnerable
190	Kokrajhar	Borosingmari	Vulnerable
191	Kokrajhar	Kaoniabhasa Bhatipara	Vulnerable
192	Kokrajhar	Kaoniabhasa Majpara	Vulnerable
193	Kokrajhar	Kaonibhasa Uzanpara	Vulnerable
194	Kokrajhar	Joregaon	Vulnerable
195	Kokrajhar	Chedamari	Vulnerable
196	Kokrajhar	Khrshakati Lakheraj	Vulnerable
197	Kokrajhar	Kurshakati Pt-I	Vulnerable
198	Kokrajhar	Bandarchara	Vulnerable
199	Kokrajhar	Fukagaon	Vulnerable
200	Kokrajhar	Nayachara Pt-I	Vulnerable
201	Kokrajhar	Nayachara Pt-II	Vulnerable
202	Kokrajhar	Nayachara Pt-III	Vulnerable
203	Kokrajhar	Nayachara Pt-IV	Vulnerable
204	Kokrajhar	Nayachara Pt-V	Vulnerable
205	Kokrajhar	Silkatari Pt-II	Vulnerable
206	Kokrajhar	Kathalguri	Vulnerable
207	Kokrajhar	Garokuta	Vulnerable
208	Kokrajhar	Deodoba	Vulnerable
209	Kokrajhar	Kamarpara	Vulnerable
210	Kokrajhar	Uttar Patgaon	Vulnerable
211	Kokrajhar	Dakhin Patgaon	Vulnerable
212	Kokrajhar	Pachim Patgaon	Vulnerable
213	Kokrajhar	Mestabari	Vulnerable
214	Kokrajhar	Pakhriguri	vulnerable
215	Kokrajhar	Ranihat	Vulnerable
216	Kokrajhar	Thalitbari	vulnerable
217	Kokrajhar	Duramari	Very Vulnerable
218	Kokrajhar	Sijuguri	Vulnerable
219	Kokrajhar	Mojabari	Very Vulnerable
220	Kokrajhar	Jaoliapara	Very Vulnerable
221	Kokrajhar	Kalugaon	Very Vulnerable
222	Kokrajhar	Subaijhar	Very Vulnerable
223	Kokrajhar	Bashbari	Vulnerable
224	Kokrajhar	Uttar Bashbari	Vulnerable
225	Kokrajhar	Dakhin Karigaon	Vulnerable
226	Kokrajhar	Damodarpur pt-II	Vulnerable
227	Kokrajhar	Bamungaon Pt-I	Vulnerable
228	Kokrajhar	Bamingaon Pt-II	Vulnerable
229	Kokrajhar	Baumgaon Pt-IV	Vulnerable
230	Kokrajhar	Malgaon	Vulnerable



231	Kokrajhar	Pukripar Pt-II	Vulnerable
232	Kokrajhar	Pukripar Pt-IV	Vulnerable
233	Kokrajhar	Andujhar	Very Vulnerable
234	Kokrajhar	Jharnagara Pt-II	Vulnerable
235	Kokrajhar	Jharnagara Pt-IV	Vulnerable
236	Kokrajhar	Raniguli	Vulnerable
237	Kokrajhar	Paroura	Vulnerable
238	Bhawraguri	Chakma	Mild Vulnerable
239	Bhawraguri	Dakhin Koimari	Mild Vulnerable
240	Bhawraguri	Durabil	Most Vulnerable
241	Bhawraguri	Gambariguri	Mild Vulnerable
242	Bhawraguri	Koimari	Most Vulnerable
243	Bhawraguri	Mukul dang No.1	Most Vulnerable
244	Bhawraguri	Narayanpur	Most Vulnerable
245	Bhawraguri	Narenguri	Most Vulnerable
246	Bhawraguri	Simlaguri No.2	Most Vulnerable
247	Bhawraguri	Sinsilibari	Mild Vulnerable
248	Bhawraguri	Surjyakhata	Most Vulnerable
249	Bhawraguri	Uttar Soul mari	Mild Vulnerable
250	Bhawraguri	Banglabari	Mild Vulnerable
251	Bhawraguri	Hongsabill	Mild Vulnerable
252	Bhawraguri	Tajpur	Most Vulnerable
253	Bhawraguri	Tokeyamari Pt-I	Mild Vulnerable
254	Bhawraguri	Tokeyamari Pt-II	Mild Vulnerable
255	Bhawraguri	Faluguri	Most Vulnerable
256	Bhawraguri	Jogirvita	Mild Vulnerable
257	Bhawraguri	Rimijhimighat Pt-I	Mild Vulnerable
258	Bhawraguri	Rimijhimighat Pt-II	Mild Vulnerable
259	Bhawraguri	Rimijhimighop	Mild Vulnerable
260	Bhawraguri	Dakhin Musalmanpara No-I	Mild Vulnerable
261	Bhawraguri	Dakhin Musalmanpara No-II	Mild Vulnerable
262	Bhawraguri	Dakhin Mukuldang	Mild Vulnerable
263	Bhawraguri	Musalmanpara	Mild Vulnerable
264	Bhawraguri	No.1 Chekadani	Mild Vulnerable
265	Bhawraguri	No.2 Chekadani	Mild Vulnerable
266	Bhawraguri	Patakata	Mild Vulnerable
267	Bhawraguri	Purba Kamalshing	Mild Vulnerable
268	Bhawraguri	Asharikandi	Mild Vulnerable
269	Bhawraguri	Asharikandi Kartimari	Most Vulnerable
270	Bhawraguri	Balapara Part-I	Most Vulnerable
271	Bhawraguri	Bamunigaon	Most Vulnerable
272	Bhawraguri	Gossaigaon	Most Vulnerable
273	Bhawraguri	Harbhanga	Mild Vulnerable
274	Bhawraguri	Jamunatari	Most Vulnerable
275	Bhawraguri	Thakthakipara	Mild Vulnerable
276	Bhawraguri	Bhobanichora	Mild Vulnerable
277	Bhawraguri	Kachukata	Mild Vulnerable



278	Bhawraguri	Kushumbil Pt-II	Mild Vulnerable
279	Bhawraguri	Kumguri	Mild Vulnerable
280	Bhawraguri	Mokrambil	Mild Vulnerable
281	Bhawraguri	Panijani Pt.-I	Mild Vulnerable
282	Bhawraguri	Rupshigaon Pt-II	Mild Vulnerable

Annexure- II


LIST OF PRE-IDENTIFIED RELIEF CAMPS IN THE DISTRICT

Sl. No.	Name of Revenue Circle	Name of Relief Camp	Name of Relief Camp Manager	Latitude	Longitude	Capacity of Relief Camp
1	KOKRAJHAR	DR BR AMBEDKAR BHABAN	Rabina Basumatary	26.40056667	90.25240556	70
2	KOKRAJHAR	MOKRAPARA LPS	Gulab Mohammad Ahmed	26.36673	90.250005	100
3	KOKRAJHAR	1047 NO. BHOTGAON MOKTOB LPS	Dibyajyoti Roy	26.35522222	90.23808333	90
4	KOKRAJHAR	BORO BHADEYAGURI LPS	Umar Ali Sheik	26.35522222	90.23825	75
5	KOKRAJHAR	UTTAR BARUAPARA LPS (NP)	Nur Amir Hussain	26.34597222	90.23225	39
6	KOKRAJHAR	BARUAPARA LPS	Anowara Begum	26.34597222	90.22502778	80
7	KOKRAJHAR	NO.83 MEDHIPARA LPS	Binod Ch. Roy	26.33338556	90.23339444	40
8	KOKRAJHAR	BHOTGAON MES	Rafizul Islam Mandal	26.33380556	90.24586111	60
9	KOKRAJHAR	NO.673 GHORAMORA LPS	Harmuz Ali Sk.	26.3405	90.25777778	60
10	KOKRAJHAR	KAMALACHARA LPS	Pranab Bhattacharjee	26.37497222	90.23669444	70
11	KOKRAJHAR	JOYPUR ME MADRASSA	Janab Ali Ahmed	26.3825	90.25669444	50
12	KOKRAJHAR	SISHU MANGAL LPS	Jakir Hussain	26.38922222	90.26386111	70
13	KOKRAJHAR	NO. 711 RAINADABRI LPS	Jagadish Barman	26.33360472	90.26673389	50
14	KOKRAJHAR	NO.511 KATRIGACHA LPS	Dihir Basumatary	26.3501181	90.266924	50
15	KOKRAJHAR	JOYBHUM VLPS	Anita Bala Barman	26.39858333	90.30530556	15
16	KOKRAJHAR	DWIMALU CLUB	Gb	26.395222	90.262333	20
17	KOKRAJHAR	NO. 255 DIMALIGAON LPS	Hemlata Brahma	26.43144444	90.27458333	150
18	KOKRAJHAR	NO.162 BHATARMARI LP SCHOOL	Puspanjali Narzary	26.41861111	90.26888889	50
19	KOKRAJHAR	ABINASH ROY SMRITI ME SCHOOL-NP	Kanak Chandra Roy	26.45102778	90.27641667	70
20	KOKRAJHAR	NO. 578 TITAGURI SEBASRAM LPS	Sanjib Kr.Brahma	26.43463889	90.26958333	50
21	KOKRAJHAR	BARAGHAR COMMUNITY HALL	Sonia Boro	26.45652778	90.37544444	50
22	KOKRAJHAR	NO. 815 BORO SINGMARI LPS	Aditya Narayan Dev	26.4167967	90.300133	40
23	KOKRAJHAR	NIMNA KAUNIA BHASHA LPS	Nakul Chandra Roy	26.49313889	90.39241667	50
24	KOKRAJHAR	KAUNIA BHASA ME SCHOOL	Chitta Mohan Das	26.50288889	90.38983333	120
25	KOKRAJHAR	NO. 677 UJAN KAUNIA BHASA LPS	Safikul Islam	26.51102778	90.38794444	40
26	KOKRAJHAR	NO.517 JAREGAON TILAPARA LPS	Biswa Narayan Roy	26.48436111	90.38497222	60
27	KOKRAJHAR	CHAMPA NAGOR MILON ME SCHOOL	Suraj Jaman Pramanik	26.46693806	90.38344028	20
28	KOKRAJHAR	NO.755 HARIHAR ASHRAM LPS	Dipika Devi	26.45625	90.39922222	50
29	KOKRAJHAR	NAYACHARA PT-I VLPS	Mrs Mridula Sarkar	26.43341306	90.383495	10
30	KOKRAJHAR	NIGAMGHOLA LUIS ME SCHOOL (NP)	Samsul Hoque	26.41681694	90.38355	35
31	KOKRAJHAR	NO.818 SONAMUKHI NAYACHARA LPS	Kamal Chandra Pain	26.41685611	90.40016167	30
32	KOKRAJHAR	NO.512 DHOLMARA NAYACHARA LPS	Khandakar Sofiqul Hoque	26.41678694	90.40001556	70
33	KOKRAJHAR	NAYACHARA ABDUL GONI ME SCHOOL (NP)	Anuj Biswas	26.41683028	90.4001175	20
34	KOKRAJHAR	DHOLMARA COMMUNITY HALL	Promod Chandra Barman	26.43689722	90.36383611	40
35	KOKRAJHAR	PUB KATHALGURI VLPS	Md Sahajuddin Sheikh	26.40011833	90.40017861	20
36	KOKRAJHAR	NO. 1181 GAROKHUTA LPS	Jaydul Islam Ahmed	26.366785	90.40017861	50
37	KOKRAJHAR	NO.749 DEODOBA LPS	Kashi Ram Roy	26.36677194	90.41680889	50
38	KOKRAJHAR	DHOLMARA HIGH SCHOOL	Jasmanta Ray	26.36684361	90.41676056	150
39	KOKRAJHAR	PATGAON PROV. HIGH SCHOOL	Sunit Kumar Iswary	26.56719444	90.2225	200
40	KOKRAJHAR	COMMUNITY HALL, PATGAON	Gaonpradhan	26.56694444	90.2225	100
41	KOKRAJHAR	NO.2 MESTABARI LPS	Udang Narzary	26.55288889	90.22194444	50
42	KOKRAJHAR	NO.191 PAKRIGURI LPS	Manjil Basumatary	26.50822222	90.22844444	30
43	KOKRAJHAR	NO.324 RANIGHAT LPS	Binanda Mashahary	26.49344444	90.22613889	50
44	KOKRAJHAR	NO.2 THALITBARI LPS	Manturam Daimary	26.47813889	90.23072222	20
45	KOKRAJHAR	DURAMARI LPS	Kuddus Ali Sheikh	26.46833333	90.24786111	300
46	KOKRAJHAR	DURAMARI ME MADRASSA	Kuddus Ali Sheikh	26.46833333	90.24786111	500
47	KOKRAJHAR	NO.325 SIJUGURI GIRLS LPS	Sudem Narzary	26.54558333	90.23475	50
48	KOKRAJHAR	326 NO. MOJABARI	Mwktang Wary	26.46673	90.2502	300
49	KOKRAJHAR	JAOLIAPARA LPS (UE)	Allauddin Fakir	26.47422222	90.23888889	35
50	KOKRAJHAR	NO. 751 DAKHIN SUBAIJHAR LPS	Dasarath Basumatary	26.48708333	90.29136111	60
51	KOKRAJHAR	NO. 709 AITUGAON LPS	Lahendra Narzary	26.46673083	90.26675139	50

52	KOKRAJHAR	1462 NO. DAMODARPUR LP SCHOOL	Manoj Kumar Sahariah	26.30012111	90.30021694	20
53	KOKRAJHAR	GWMWTHAO CLUB	Nil Kamal Basumatary (Gb)	26.25578333	90.28386667	20
54	KOKRAJHAR	BAMUNGAON COMMUNITY HALL	Sumanta Basumatary Gaon Pradhan (Andhujhar Pt I)	26.253579	90.283128	95
55	KOKRAJHAR	BAMUNGAON ME SCHOOL (II & III)	Jaymal Basumatary	26.2667294	90.283466	95
56	KOKRAJHAR	213 NO. BAMUNGAON LP SCHOOL	Sharmila Devi	26.26674444	90.28337417	50
57	KOKRAJHAR	1210 NO. BHATIPARA MALGAON LPS	Ambika Brahma	26.25694444	90.29038889	40
58	KOKRAJHAR	2397 NO. SATIPURA LP SCHOOL	Sanjtkumar Barman	26.26676722	90.31693814	50
59	KOKRAJHAR	SILGARA HIGH SCHOOL	Abinash Boro	26.2501847	90.30002028	50
60	KOKRAJHAR	412 NO. SALBARI ABHAYAKHUTI LPS	Pradip Kumar Koch	26.2834533	90.3333	150
61	KOKRAJHAR	KALJANI LPS (NP)	Borkatul Hoque	26.26691111	90.33336139	40
62	KOKRAJHAR	507 NO. RANIGHULI LP SCHOOL	Jaymati Narzary	26.32722222	90.26227778	90
63	KOKRAJHAR	895 NO. PAROURA LPS	Aynal Hoque	26.3501925	90.216707	250
64	DOTMA	DOTMA HS SCHOOL	Mrs. Anzima Brahma Narzary	26°27'58.8"N	90°08'55.3"E	300
65	DOTMA	ALAYARAN HIGH SCHOOL	Rwngdao Kungkur Narzary	26°28'54.7"N	90°06'39.7"E	200
66	DOTMA	SHIKARBILL ME SCHOOL	Sansuma Brahma	26°30'14.6"N	90°06'54.8"E	100
67	DOTMA	144 NO. GUWABARI LP SCHOOL	Kwrmkhang Brahma	26°29'54.3"N	90°08'56.3"E	70
68	DOTMA	DOTMA GIRLS HIGH SCHOOL	Dhanjit Roy	26°28'03.3"N	90°08'48.9"E	70
69	DOTMA	NOWARVITTA LP SCHOOL	Binay Mondol	26°27'52.9"N	90°08'27.2"E	70
70	DOTMA	NOYACHORA LP SCHOOL	Md. Gaji Rahman Paramanik	26°24'52.9"N	90°07'06.4"E	70
71	DOTMA	CHOKAPARA LP/ME SCHOOL	Tarulata Roy	26°24'31.0"N	90°09'30.3"E	70
72	DOTMA	MAGURMARI/MONAKOCHA SCHOOL	Kalyan Chakraborty	26°23'02.7"N	90°10'38.2"E	70
73	DOTMA	LAMAPARA/KOTPARA LP SCHOOL	Dhananjay Dutta	26°25'30.9"N	90°07'30.2"E	70
74	DOTMA	635 NO. CHITHILA GHOP LP SCHOOL	Habibor Rahman	26°23'59.0"N	90°06'40.5"E	70
75	DOTMA	FAKIRAGRAM HS SCHOOL	Prabir Kr. Sarkar	26°21'43.6"N	90°11'00.5"E	70
76	DOTMA	POCHAGARH LP SCHOOL	Dipak Nath	26°22'04.8"N	90°10'58.6"E	70
77	DOTMA	KHEJURBARI LP SCHOOL	Birandra Barman	26°21'50.5"N	90°06'43.0"E	70
78	DOTMA	FAKIRAGRAM PUBLIC HIGH SCHOOL	Md. Mofidul Islam	26°22'25.1"N	90°10'36.5"E	70
79	DOTMA	PRATAPKHATA LP SCHOOL (ANANDA NAGAR)	Sachidanand Nath	26°22'53.4"N	90°07'34.3"E	70
80	DOTMA	125 NO. KARAITARI LP SCHOOL	Zakir Hussain	26°21'14.5"N	90°09'58.0"E	70
81	DOTMA	1065 NO. GUWABARI DEKADAMRA LP SCHOOL	Jahidul Islam	26°21'40.3"N	90°08'41.0"E	70
82	DOTMA	KARAITALA KALICHRAN NATHPARA LP SCHOOL	Abdul Malek Ali	26°20'53.8"N	90°11'02.4"E	70
83	DOTMA	TETELIGURI LP SCHOOL	Kachu Mohan Roy	26°26'53.6"N	90°07'05.1"E	70
84	DOTMA	SHIKARGAON LP SCHOOL	Sujendra Brahma	26°20'53.8"N	90°07'05.1"E	70
85	DOTMA	DHEPDHEPI LP SCHOOL	Bazrul Hoque	26°25'51.6"N	90°07'03.5"E	70
86	DOTMA	AMTOLI LP SCHOOL	Dulal Chandra Sutradhar	26°25'39.2"N	90°08'09.7"E	70
87	DOTMA	EAST TEKORKHATA LP SCHOOL	Dipjyoti Debnath	26°25'32.8"N	90°08'51.0"E	70
88	DOTMA	BORAGARI LP SCHOOL	Swadip Kr. Brahma	26°26'59.5"N	90°08'39.8"E	70
89	DOTMA	BRAJAKHAL LP SCHOOL	Abdul Kader Jilani	26°26'17.7"N	90°09'08.8"E	70
90	DOTMA	274 NO. TAKTARA LP SCHOOL	Pubul Machahary	26°28'53.7"N	90°13'11.6"E	70
91	DOTMA	UTTAR KHAGRABARI LP SCHOOL (KHIRIGURI)	Nanda Narzary	26°28'33.1"N	90°13'11.6"E	70
92	DOTMA	321 NO. HEKOIPARA LP SCHOOL	Laskar Ali Paramanik	26°27'26.6"N	90°15'29.7"E	70
93	DOTMA	320 NO. KHAGRABARI LP SCHOOL	Ranendra Brahma	26°27'48.7"N	90°13'30.6"E	70
94	DOTMA	868 NO. DAKHIN GHOSKATA LP SCHOOL	Deboraj Mushahary	26°26'56.6"N	90°12'41.7"E	70
95	DOTMA	JAMPHAIGURI LP SCHOOL	Krishna Prasad Basumatary	26°35'04.9"N	90°11'39.1"E	70
96	DOTMA	671 NO. WEST DANGARKUTI LP SCHOOL	Gopinath Brahma	26°28'15.1"N	90°09'18.2"E	70
97	DOTMA	LAUDANGA LP SCHOOL	Motiram Brahma	26°29'53.6"N	90°09'50.0"E	70
98	DOTMA	KAPURGAON LP SCHOOL	Jaeau Brahma	26°35'50.9"N	90°10'12.0"E	70
99	DOTMA	RAMFALBIL HS SCHOOL	Sunil Kr. Basumatary	26°33'20.6"N	90°10'10.3"E	70

100	DOTMA	SERFANGURI HIGH SCHOOL	Amrit Kungkhur Narzary	26°33'07.8"N	90°09'07.1"E	70
101	DOTMA	HOGMABILL M.E. & L.P SCHOOL	Rindaw Brahma	26°30'28.0"N	90°09'22.0"E	70
102	DOTMA	KUMGURI LP SCHOOL	Rajesh Mondol	26°32'20.7"N	90°08'32.4"E	70
103	DOTMA	NEHRU VOCATIONAL HIGH SCHOOL, GOSSAINICHINA	Chakramani Mushahary	26°31'05.9"N	90°07'15.7"E	200
104	DOTMA	JHARBARI HIGH SCHOOL	Hirambo Kr. Brahma	26° 37' 18.5" N	90° 14' 42." E	200
105	BAGRIBARI	1569 NO. ANGARKATA L.P. SCHOOL	Hajera Khatun	26.195117	90.114317	100
106	BAGRIBARI	BAGRIBARI GIRLS' M.E. SCHOOL	Jahanara Begum	26.196867	90.124083	150
107	BAGRIBARI	1061 NO. ARAIANI J.B. SCHOOL	Gobinda Ch. Karmakar	26.196183	90.129500	150
108	BAGRIBARI	2399/B KATHALBARI L.P. SCHOOL	Iftiara Yesmin Sarkar	26.203733	90.134017	100
109	BAGRIBARI	KHORAGHAT ME SCHOOL	Abul Kalam Miah	26.215533	90.134433	150
110	BAGRIBARI	1976 NO. GHUGUJHORA LP SCHOOL	Sheikh Keramot Ali	26.251883	90.094833	100
111	BAGRIBARI	PALASHGURI CHANGBANDHA M.E. SCHOOL	Amilon Ch. Brahma	26.271933	90.072317	100
112	BAGRIBARI	PAHARER GAON ADARSHA VIDYAPTH VLPS	Fozlur Rahman	26.262833	90.128717	150
113	BAGRIBARI	NURUGAON VLP SCHOOL	Delera Begum	26.274250	90.139967	80
114	BAGRIBARI	2182 NO. KUTKUTARVITA LP SCHOOL	Fazlur Rahman Sheikh	26.281733	90.145033	100
115	BAGRIBARI	2320 NO. KUTHIRGRAM LP SCHOOL	Dulal Ch. Barman	26.310017	90.104583	100
116	BAGRIBARI	LAKHIPUR LP SCHOOL	Kamini Kr. Sutradhar	26.349617	90.072267	100
117	BAGRIBARI	DEBITOLA HIGH SCHOOL	Probir Kr. Roy	26.164850	90.009017	300
118	BAGRIBARI	1368 NO. JONGIPARA L.P. SCHOOL	Robindra Rabha	26.183917	90.003383	100
119	BAGRIBARI	592 NO. DALGAON L.P. SCHOOL	Rujali Rabha	26.159217	90.015550	100
120	BAGRIBARI	KAZIGAON M.V. SCHOOL	Debo Kanta Brahma	26.203983	89.996333	150
121	BAGRIBARI	1463 NO. KAZIGAON L.P. SCHOOL	Naru Kumar Brahma	26.204467	89.998617	100
122	BAGRIBARI	331 NO. PAHARTOLI L.P. SCHOOL,	Chanmiah Sk.	26.137200	89.958267	100
123	BAGRIBARI	1943 NO. LALGHAT L.P. SCHOOL	Nicholas Rabha	26.175033	89.974050	100
124	BAGRIBARI	1469 NO. ALOMGANJ TRIBAL L.P. SCHOOL	Nural Islam Khan	26.133067	90.027283	100
125	BAGRIBARI	1314 NO. DAMPUR L.P. SCHOOL	Sazidur Rahman	26.128000	90.014900	100
126	BAGRIBARI	DAMPUR M.E. SCHOOL	Rokul Ul Sk	26.127833	90.015000	150
127	BAGRIBARI	MODATI PT-I PRE-SR. MADRASSA	Abdur Rashid Ahmed	26.164200	89.985333	150
128	BAGRIBARI	206 NO. MODATI PT-II L.P. SCHOOL	Krishna Kanta Upadhyaya	26.155167	89.979750	150
129	BAGRIBARI	MODATI M.E. SCHOOL	Dipak Kumar Roy	26.151317	89.968583	100
130	BAGRIBARI	RUPSHI GIRLS' HIGH SCHOOL	Manoj Gour	26.118383	89.921283	200
131	BAGRIBARI	RUPSHI HIGH SCHOOL	Asanur Rahman	26.119550	89.921983	200
132	BAGRIBARI	1678 NO. VEKURCHAR LP SCHOOL	Protap Ch Roy	26.128267	89.913717	150
133	BAGRIBARI	MOLANDUBI ME SCHOOL	Abdul Baten Ahmed	26.252883	89.878267	150
134	BAGRIBARI	582 NO. MOLANDUBI LPS	Behula Basumatary	26.257683	89.879217	100
135	BAGRIBARI	2032 NO. TUMBAGAN L.P. SCHOOL	Baisagi Narzary	26.289067	89.882733	150
136	BAGRIBARI	TUMBAGAN M.E. SCHOOL	Uttam Kumar Bhowal	26.281483	89.882217	80
137	BAGRIBARI	PASTIBARI M.V. SCHOOL	Avijit Kumar Saha	26.279083	89.887250	100
138	BAGRIBARI	2434 NO. SURENDRA LP SCHOOL	Suman Ali Sk	26.275000	89.880250	70
139	BAGRIBARI	PARGHAT LP SCHOOL	Surat Jamal Sk.	26.268617	89.872433	80
140	BAGRIBARI	1777 NO. UTTAR KURSHAKATI LP SCHOOL	Purnima Sarkar	26.270533	89.875350	100
141	BAGRIBARI	18NO. S. SANKARDEV VIDYALAYA (PVT.)	Shaymal Ch Bhakat	26.261367	89.879433	80
142	BAGRIBARI	KURSHAKATI M.E. SCHOOL	Nikunja Bihari Brahma	26.267583	89.879667	100
143	BAGRIBARI	KURSHAKATI HIGH SCHOOL	Hemanta Kr Brahma	26.270617	89.882050	170
144	BAGRIBARI	1969 NO. KHARKHARI LP SCHOOL	Niro Bala Brahma	26.304750	89.885167	80
145	BHAWRAGURI	1060 BALAPARA MUSTAFANAGAR LPS	Shahirul Islam, Ht	26.33390	90.09383	100
146	BHAWRAGURI	1073 NO. RUPSHIGAON L.P. SCHOOL	Samiul Hoque, At	26.40827	90.06843	200
147	BHAWRAGURI	307 NO. BALAPARA JB SCHOOL	Samsud Doha, Ht	26.33912	90.09545	100

148	BHAWRAGURI	401 NO TENGARBHITA LPS	Aminul Azam, Ht	26.39817	90.05318	100
149	BHAWRAGURI	663 NO. ASHARIKANDI LPS	Subrata Sarkar, Ht	26.35283	90.08947	60
150	BHAWRAGURI	BANGLABARI TAZPUR M.E. SCHOOL	Moyan Ali, Hm	26.39623	90.02773	100
151	BHAWRAGURI	BHAWRAGURI M.E. SCHOOL	Jibesh Roy, At	26.42960	90.06337	180
152	BHAWRAGURI	BHUMKA HIGH SCHOOL	Abinash Basumatary, Hm	26.38202	90.01682	1000
153	BHAWRAGURI	CHAKMA M.E. SCHOOL	Riswanath Narzary, At	26.40555	90.01123	1000
154	BHAWRAGURI	EAST HARBHANGA GOSSAIGAON LPS	Sajeda Khatun, Ht	26.36982	90.06635	150
155	BHAWRAGURI	HONGSHOBIL ME SCHOOL (NP)	Jorif Uddin Sk. Hm	26.41060	90.02640	100
156	BHAWRAGURI	KARTIMARI VIDYAPITH L.P. SCHOOL	Joydev Karmakar, Ht	26.34993	90.09417	50
157	BHAWRAGURI	LOKOPRIYA MES	Hussain Ali, Hm	26.37410	90.06197	300
158	BHAWRAGURI	MADHYA KACHUKATA ME SCHOOL (NP)	Golak Ch. Brahma, At	26.41750	90.10877	50
159	BHAWRAGURI	MILAN ME SCHOOL	Sibendra Roy, At	26.42528	90.09207	100
160	BHAWRAGURI	MODAN MOHAN ME SCHOOL (NP)	Champak Barman, Hm	26.37355	90.09560	90
161	BHAWRAGURI	MOKRAMBIL LPS	Kamal Kumar Malakar, H/T	26.39607	90.04682	150
162	BHAWRAGURI	NO. 1081 UTTAR KHALICHANIMARI L.P. SCHOOL	Malati Sutradhar, Ht	26.43183	90.08732	80
163	BHAWRAGURI	NO. 397 BHUMKA L.P. SCHOOL	Sankar Brahma, Ht	26.38123	90.02167	500
164	BHAWRAGURI	NO. 452 PATIALPARA L.P. SCHOOL	Azizur Rahman, Ht	26.41412	90.04963	150
165	BHAWRAGURI	NO. 550 JAMUNATARY L.P. SCHOOL	Biswajit Paul, Ht	26.35993	90.07900	70
166	BHAWRAGURI	NO. 554 RIMIJIHIMI L.P. SCHOOL	Shahidur Rahman Akande, Ht	26.39273	90.10605	75
167	BHAWRAGURI	NO. 594 KHURIABARI L.P. SCHOOL	Gopal Ch. Biswas, Ht	26.37232	90.08768	100
168	BHAWRAGURI	NO.1063 FALUGURI LPS	Abdus Salam, Ht	26.37177	90.11762	100
169	BHAWRAGURI	NO.1071 RIMIJIHIMIGHOP LPS	Monowar Hussain, Ht	26.39280	90.12365	60
170	BHAWRAGURI	NO.555 AMINKATA LPS	Gulam Mohammad Paramanik, Ht	26.40888	90.07375	100
171	BHAWRAGURI	RIMIJIHIMI ME SCHOOL (NP)	Abinash Ch. Biswas, At	26.39560	90.10278	200
172	BHAWRAGURI	SHRI GOVINDA GITASHRAM LPS	Shahadat Hussain H/T	26.44397	90.07150	40
173	BHAWRAGURI	TULSHIBIL HS SCHOOL	Uttam Brahma, Hm	26.39053	90.07732	1000
174	BHAWRAGURI	USHATARI WAZEDIA LPS (NP)	Abdul Basit, Ht	26.41715	90.06550	100
175	BHAWRAGURI	723 NO. MOWAMARI LPS	Sahadev Barman	26.43357	90.10508	220
176	BHAWRAGURI	DAKHIN KOIMARI ME SCHOOL	Amiya Kr. Brahma, Hm	26.49908	90.07118	50
177	BHAWRAGURI	KAMALSING MVS	Manilal Brahma	26.45663	90.07962	350
178	BHAWRAGURI	NEW MUKULDANG LPS	Binapani Basumatary	26.48687	90.10062	100
179	BHAWRAGURI	NO. 107 SHOULMARI LPS	Surat Basumatary Ht	26.47885	90.07710	250
180	BHAWRAGURI	NO. 362 CHEKADANI LPS	Pabitra Brahma	26.47665	90.09132	350
181	BHAWRAGURI	NO. 430 AIBHANDAR LPS	Abdul Mannaf	26.44735	90.09783	195
182	BHAWRAGURI	NO. 454 TOKEYAMARI L.P. SCHOOL	Hanufa Khatun	26.43047	90.05108	20
183	BHAWRAGURI	NO. 600 DURABIL LPS	Martin Narzary	26.52475	90.09017	50
184	BHAWRAGURI	NO. 96 MUKULDANG LPS	Anil Kr. Brahma	26.48918	90.09480	150
185	BHAWRAGURI	NO.1169 NARENGURI LPS	Rana Kr. Ray	26.49078	90.07587	70
186	BHAWRAGURI	NO.725 NORTH NARAYANPUR LPS	Ganesh Boro	26.51585	90.07957	40
187	BHAWRAGURI	PATAKATA HIGH SCHOOL	Ranamaya Brahma	26.51087	90.09158	100
188	BHAWRAGURI	R.N.B. MEMORIAL HIGH SCHOOL	Britto Kr. Basumatary, Hm	26.49825	90.09302	100
189	BHAWRAGURI	TOKEYAMARI ME SCHOOL	Abdul Hashem, Hm	26.42260	90.03538	100
190	GOSSAIGAON	KHOKSAGAON M.V. SCHOOL	Surendra Narzary	26.51158333	89.88530556	200
191	GOSSAIGAON	KHOKSHAGURI TAPU NO.3 LPS (UE)	Nabin Ch Roy	26.51341667	89.8637778	80
192	GOSSAIGAON	NO. 739 MAJADABRI LPS	Komal Kheral, H/T,	26.41613889	89.86438889	90
193	GOSSAIGAON	SHIMALTAPU BLOCK LPS	Jakir Hussain Sheikh	26.429	89.85725	100
194	GOSSAIGAON	1122 NO. KARLINGPUR LPS.	Austin Tudu, H/T	26.36447222	89.88233333	80
195	GOSSAIGAON	533 NO DINGDINGA BAZAR LPS	Zubli Sarkar, H/T,	26.3515	89.87505556	100
196	GOSSAIGAON	GOKULKATA BLOCK LPS.	Farooq Abdullah	26.47069444	89.871	100
197	GOSSAIGAON	599 NO. BABUBIL LPS.	Kamakhya Prasad Mushahary, H/T,	26.426447	89.990875	150
198	GOSSAIGAON	82 NO. JAJLAIGAON LPS	Amila Narzary, H/T,	26.46908333	90.04747222	130
199	GOSSAIGAON	HATIGARH NO.2 LPS (UE)	Nimai Kr. Roy	26.50280556	90.03613889	130



200	GOSSAIGAON	377 NO GARUMARAACHOR L.P.S.	Nurul Alom H/T,	26.40788889	89.83691667	150
201	GOSSAIGAON	NO. 530 GURUFELA L.P. SCHOOL	Tulshi Roy	26.517	90.03072222	100
202	GOSSAIGAON	NO. 1 BAJUGAON L.P. & BAJUGAON M.E. SCHOOL- NP	Ajit Kr. Barman	26.49205556	89.88797222	100
203	GOSSAIGAON	GOLADANGI GADELISWARI LP SCHOOL	Pradip Narzary	26.47955556	89.89102778	100
204	GOSSAIGAON	NO. 1 DAWAGURI L.P. & M.E. SCHOOL	Anaram Narzary	26.465	89.89916667	150
205	GOSSAIGAON	NO.2 JARAGURI LP, ME & HESCHOOL	Abdul Hakim Tarapdar	26.47888889	89.878	150
206	GOSSAIGAON	SHIMULTAPU LP, ME & HESCHOOL	Abdul Hamid Talukdar	26.43383333	89.87958333	300
207	GOSSAIGAON	666 NO. FAILAGURI LP SCHOOL	Evarani Hembrom H/T	26.40152778	89.87552778	150
208	GOSSAIGAON	NO.2 PANBARI L.P. SCHOOL	Biswanath Mardi	26.52278333	90.06202778	100
209	GOSSAIGAON	SANTOSH MUSHAHARY MEMORIAL ME SCHOOL	Amerandra Narzary,	26.49486111	90.05502778	110
210	GOSSAIGAON	ALINAGAR L.P. SCHOOL	Amjad Hussain	26.47997222	90.06008333	100
211	GOSSAIGAON	589 DAWAGURI L.P.SCHOOL	Rafiqul Hasan Talukdar,	26.45544444	89.91133333	100
212	GOSSAIGAON	NO.1 POLASHGURI L.P.SCHOOL	Asoruddin Miah	26.472	89.94858333	100
213	GOSSAIGAON	DALGAON CHILARAI VIDYAPITH M.E. SCHOOL	Sukla Das Roy	26.440871	89.996745	150
214	GOSSAIGAON	N. MEMORIAL L.P. SCHOOL	Latif Sheikh	26.432637	90.005258	70
215	GOSSAIGAON	300 NO. KURSHAKATI L.P. SCHOOL	Manik Chandra Roy	26.464811	90.070545	220
216	GOSSAIGAON	GOSSAIGAON BUS STAND	Mr. Oyas Ali Sk., L.M.,	26.447428	89.986246	150
217	GOSSAIGAON	GOSSAIGAON H.S. SCHOOL	Ranjan Sah, At	26.437937	89.983129	300
218	GOSSAIGAON	NO.119 GUABARI L.P. SCHOOL	Ratikanta Brahma	26.4333158	90.012928	250

ANNEXURE- III
DETAILS OF THE BOAT OWNERS

REVENUE CIRCLE	NAME OF BOAT OWNER	NO. OF BOAT	CONTACT NO.	AREA
GOSSAIGAON	Pradip Choudhury	2	8876354285	Khokshaguri No.3
	Ranjit Ray	1	7637818395	Khokshaguri No.3
	Krishna Choudhury	1	8474887220	Khokshaguri No.3
	Sushil Barman	1		Khokshaguri No.3
	Bijoy Choudhury	1		Khokshaguri No.3
	Nirmal Ray	1	9678903111	Khokshaguri No.3
	Santosh Barman	1	8876326077	Khokshaguri No.3
	Jamal Fakir	1	8011950198	Garumararchar No.1
	Bhola Choudhury	1	9800932459	Garumararchar No.1
A Machine Boat at F&ES Gossaigaon	2		Gossaigaon Town	
KOKRAJHAR	Md. Kutubuddin Sk	1		Khutamari
	Johirul Mandal	1	7002784370	2no. Maozabari
	Munaf Ali Sk	1		2no. Maozabari
	Sival Talukdar	1	9954112823	2no. Maozabari
	Joynal Sk	1	6900298355	2no. Maozabari
DOTMA	Saddam Hussain Sk	1	8638485693	Hekaipara
	Md. Chan Miya Sk	1	9954352536	Hekaipara
BHAWRAGURI	Saddam Hussain Sk	1	8638485693	Hekaipara
	Anowar Ali Mondal	1	9954063668	South Mussalmanpara No. 2
	Badsa Mandal	1	9678246412	South Mussalmanpara No. 1
	Sahabuddin Mollah	1	6002381557	South Mussalmanpara No. 2
	Rustom Ali	1		South Mussalmanpara No. 2
	Meser Ali Mollah	1	9768290131	South Mussalmanpara No. 2
	Hajarat Ali	1		Balapara
	Siddique Ali	1	6000127487	Balapara
	Rafiqul Islam	1		Patialpara
	Badsa Ali	1	6001902347	Faluguri
	Iyad Ali	1	9957106989	Faluguri
	Amir Ali	1	9365154558	Panijani Pt. I
	Johirul Islam	1	9678754980	Rimijhimighat Pt. I
	Ismail Hoque	1		Rimijhimighat Pt. II
	Mohoruddin Sk.	1		Rimijhimighat Pt. II
	Fayjal Ali	1		Panijani Pt. I
	Ajibor Ali	1		Panijani Pt. I
	Aynal Hoque	1		Panijani Pt. I
	Koran Ali	1		Panijani Pt. I
	Mojibor Ali	1		Panijani Pt. I
Barkat Khan	1		Panijani Pt. I	
Barkat Ali	1		Panijani Pt. I	

ANNEXURE- IV
REVENUE CIRCLE WISE SECTOR LIST

Sl. No.	Revenue Circle	Sector Name	Village Name
1	Bhawraguri	Tulshibil	Tengnervita
2	Bhawraguri		Rupshigaon Pt-I
3	Bhawraguri		Rupshigaon Pt-II
4	Bhawraguri		Joypur
5	Bhawraguri		Tulsibil
6	Bhawraguri		Kumguri
7	Bhawraguri		Panijani No-I
8	Bhawraguri		Mokrambil
9	Bhawraguri		Balapara
10	Bhawraguri	Balapara Part-II	
11	Bhawraguri	Balapara Saljhar	
12	Bhawraguri	Hongshobil	Tokeyamari Pt-II
13	Bhawraguri		Tokeyamari Pt-I
14	Bhawraguri		Banglabari
15	Bhawraguri		Hongsabill
16	Bhawraguri		Tajpur
17	Bhawraguri		Bhawraguri
18	Bhawraguri	Patialpara Mahendrapur	
19	Bhawraguri	Bhowraguri Baruapara Pt-I	
20	Bhawraguri	Boalimari	
21	Bhawraguri	Natunpara	
22	Bhawraguri	Bhowraguri Manderpara	
23	Bhawraguri	Khalisanimari	
24	Bhawraguri	Patialpara Ahmedpur	
25	Bhawraguri	Patialpara	
26	Bhawraguri	Ghonapara	
27	Bhawraguri	Asharikandi	Ushatari
28	Bhawraguri		Bamunigaon
29	Bhawraguri		Asharikandi Kartimari
30	Bhawraguri		Thakthakipara
31	Bhawraguri		Jamunatari
32	Bhawraguri		Gossaigaon
33	Bhawraguri		Harbhanga
34	Bhawraguri		Halghora
35	Bhawraguri		Hasdoha
36	Bhawraguri		Asharikandi
37	Bhawraguri	Kartimari Pt-I	Kartimari Pt-I
38	Bhawraguri		Kartimari Pt-II
39	Bhawraguri	Aminkata	Kunjodoba
40	Bhawraguri		Choutara
41	Bhawraguri		Aminkata
42	Bhawraguri		Boalkamari
43	Bhawraguri		Kushumbil Pt-II
44	Bhawraguri		Kushumbil Pt-I
45	Bhawraguri		Kachukata
46	Bhawraguri	Rimijhimi	Bhobanichora
47	Bhawraguri		Rimijhimighat Pt-I
48	Bhawraguri		Rimijhimighat Pt-II
49	Bhawraguri		Jogirvita
50	Bhawraguri		Bashirchor
51	Bhawraguri		Silbary
52	Bhawraguri		Khuriabary
53	Bhawraguri		Bodlagaon
54	Bhawraguri		Palash Kandi
55	Bhawraguri		Puthimari
56	Bhawraguri	Mussalmanpara	Gulihara
57	Bhawraguri		Aibhander No-II
58	Bhawraguri		Aibhander No-I
59	Bhawraguri		Purba Kamalshing



60	Bhawraguri		Musalmanpara
61	Bhawraguri		Dangaimari
62	Bhawraguri		Pachim Dangaimari
63	Bhawraguri		Kursamari
64	Bhawraguri		Dakshin Musalmanpara No-II
65	Bhawraguri		Dakshin Musalmanpara No-I
66	Bhawraguri		Mowamari
67	Bhawraguri	Durabil	Durabil
68	Bhawraguri		Fersuabary No-II
69	Bhawraguri		Fersuabary No-I
70	Bhawraguri		Narenguri
71	Bhawraguri		Simlaguri No-I
72	Bhawraguri		Simlaguri No-II
73	Bhawraguri		Gambariguri
74	Bhawraguri		Dakshin Koimari
75	Bhawraguri		Sinshilibary
76	Bhawraguri		Narayanpur
77	Bhawraguri	Chekadani	Alengmari
78	Bhawraguri		Dakshing Mukuldang
79	Bhawraguri		Sekadani No-I
80	Bhawraguri		Soulmari
81	Bhawraguri		Sekadani No-II
82	Bhawraguri		Patakata
83	Bhawraguri		Kamalshing
84	Bhawraguri	Dakshin Patakata	
85	Bhawraguri	Bhumka	Samijhora
86	Bhawraguri		Panijani No-II
87	Bhawraguri		Kachugaon
88	Bhawraguri		Bhumka
89	Bhawraguri		Chakma
90	Bhawraguri	Gambaribil	Uttar Soulmari
91	Bhawraguri		Koimari
92	Bhawraguri		Mukul Dang No-I
93	Bhawraguri		Pachim Mukuldang
94	Bhawraguri		Mukul Dang No-II
95	Bhawraguri		Surjakata
96	Bhawraguri		Gambaribil
97	Bhawraguri		Mukul Dang
98	Kokrajhar	Kokrajhar Bagicha	Magurmari
99	Kokrajhar		Bechimari
100	Kokrajhar		Kokrajhar Bagicha
101	Kokrajhar		Daloabari Bagicha
102	Kokrajhar		Bangalabari Bagicha
103	Kokrajhar		Kathalguri
104	Kokrajhar		Sukanjhara
105	Kokrajhar		Daloabari Pt-I
106	Kokrajhar		Daloabari Pt-II
107	Kokrajhar		Kumguri
108	Kokrajhar	Chandamari	
109	Kokrajhar	Bhadeyaguri	Majpara
110	Kokrajhar		Kashipara
111	Kokrajhar		Bhadeyaguri
112	Kokrajhar		Chengmari
113	Kokrajhar		Jamadarpara
114	Kokrajhar		Thanadarpara
115	Kokrajhar		Mahajanpara
116	Kokrajhar		Ghoramara
117	Kokrajhar		Kamarpara
118	Kokrajhar		Sonamayee
119	Kokrajhar		Tilapara
120	Kokrajhar		Bhotgaon Medhipara
121	Kokrajhar	Haribhita	
122	Kokrajhar	Molandubi	Diabari
123	Kokrajhar		Mokrapara



124	Kokrajhar		Khutamari
125	Kokrajhar		Burapara
126	Kokrajhar		Kathalguri
127	Kokrajhar		Molandubi
128	Kokrajhar		Rainadabri
129	Kokrajhar		Belguri
130	Kokrajhar		Gendrabil
131	Kokrajhar		Samaguri
132	Kokrajhar		Kamlachara Chechapani
133	Kokrajhar		Chechapani
134	Kokrajhar	Choto Gendrabil	Joypur
135	Kokrajhar		Bhatipara
136	Kokrajhar		Choto Gendrabil
137	Kokrajhar		Katrigacha
138	Kokrajhar		Bhalukjhara
139	Kokrajhar		Shyamthaibari
140	Kokrajhar	Harinaguri	Dhupguri
141	Kokrajhar		Thuribari
142	Kokrajhar		Taraibari
143	Kokrajhar		Daorighat
144	Kokrajhar		Harnaguri Pt-I
145	Kokrajhar		Harnaguri Pt-II
146	Kokrajhar	Owabari	
147	Kokrajhar	Kokrajhar Town	Narabari
148	Kokrajhar		Hatirmatha
149	Kokrajhar		Kokrajhargaon
150	Kokrajhar		Kokrajhar Town
151	Kokrajhar	Dobgaon	Adabari
152	Kokrajhar		Batabari
153	Kokrajhar		Joybhum
154	Kokrajhar		Boro-Adabari
155	Kokrajhar		Choto Singmari
156	Kokrajhar		Choraikhola Pt-I
157	Kokrajhar		Choraikhola Pt-II
158	Kokrajhar		Choraikhola Jungle Block
159	Kokrajhar		Dimalgaon
160	Kokrajhar		Boro-Bhatarmari
161	Kokrajhar		Khargaon
162	Kokrajhar		Dobgaon Pt-I
163	Kokrajhar		Dobgaon Pt-II
164	Kokrajhar	Habrubari	
165	Kokrajhar	Debargaon	
166	Kokrajhar	Titaguri	Balagaon Pt-II
167	Kokrajhar		Rangalikhata Pt-I
168	Kokrajhar		RangalikhataPt-II
169	Kokrajhar		Syamgaon
170	Kokrajhar		Kathalguri No.1
171	Kokrajhar		Titaguri Pt-I
172	Kokrajhar	Titaguri Pt-II	
173	Kokrajhar	Balagaon	Diajjari
174	Kokrajhar		Anthaibari
175	Kokrajhar		Kunthaibari
176	Kokrajhar		Halowadol Pt I
177	Kokrajhar		Halowadol Pt-II
178	Kokrajhar	Nadangiri	Balagaon Pt-I
179	Kokrajhar		Nadangiri
180	Kokrajhar		Dogargaon
181	Kokrajhar		Kathalguri No.2
182	Kokrajhar		Hinabil
183	Kokrajhar		Baragor
184	Kokrajhar	Ambartol	
185	Kokrajhar	Tilapara	
186	Kokrajhar	Borsingmari	
187	Kokrajhar	Salakati	Salakati



188	Kokrajhar		Chandiagaon
189	Kokrajhar		Benibari
190	Kokrajhar		Choutaki Pt-I
191	Kokrajhar		Choutaki Pt-II
192	Kokrajhar		Bamunigaon Pt-I
193	Kokrajhar		Bamunigaon Pt-II
194	Kokrajhar		Naljibari
195	Kokrajhar		Bhumki Pt-I
196	Kokrajhar		Bhumki Pt-II
197	Kokrajhar		Taranghuli
198	Kokrajhar		Kaoniabhasa Bhatipara
199	Kokrajhar		Kaoniabhasa Majpara
200	Kokrajhar		Kaonibhasa Uzanpara
201	Kokrajhar		Joregaon
202	Kokrajhar		Khudara Basugaon
203	Kokrajhar	Joregaon	Choutaki
204	Kokrajhar		Simlaguri
205	Kokrajhar		Laltari
206	Kokrajhar		Chedamari
207	Kokrajhar		Harigaon
208	Kokrajhar		Dologaon
209	Kokrajhar		Bangalpara
210	Kokrajhar		Khrshakati Lakheraj
211	Kokrajhar	Khursakati	Kurshakati Pt-I
212	Kokrajhar		Kurshakati Pt-II
213	Kokrajhar		Bandarchara
214	Kokrajhar		Fukagaon
215	Kokrajhar		Nayachara Pt-I
216	Kokrajhar		Nayachara Pt-II
217	Kokrajhar		Nayachara Pt-III
218	Kokrajhar		Nayachara Pt-IV
219	Kokrajhar		Nayachara Pt-V
220	Kokrajhar		Silkatari Pt-I
221	Kokrajhar		Silkatari Pt-II
222	Kokrajhar		Kathalguri
223	Kokrajhar		Dholmara
224	Kokrajhar		Dholmara NC
225	Kokrajhar	Dholmara	Nigomghola
226	Kokrajhar		Gaurangtari
227	Kokrajhar		Lalkura Pt-I
228	Kokrajhar		Lalkura Pt-II
229	Kokrajhar		Siljani
230	Kokrajhar		Garokuta
231	Kokrajhar		Deodoba
232	Kokrajhar		Kamarpara
233	Kokrajhar		Saharpur
234	Kokrajhar		Samarpara
235	Kokrajhar		Bangaldoba Pt-I
236	Kokrajhar		Bangaldoba Pt-II
237	Kokrajhar		Nayekgaon Pt-I
238	Kokrajhar		Annajuli
239	Kokrajhar		Kultungpara
240	Kokrajhar		Anguri
241	Kokrajhar		Galajhora
242	Kokrajhar		Malsingpara
243	Kokrajhar	Nayekgaon	Dabargan
244	Kokrajhar		Kakrighola Saljhar
245	Kokrajhar		Galajhara Saljhar
246	Kokrajhar		Kakrigola
247	Kokrajhar		Pundibari Pt-I
248	Kokrajhar		Pundibari Pt-II
249	Kokrajhar		Kumguri
250	Kokrajhar		Nayakgaon Pt-II
251	Kokrajhar		Maoriagaon Pt-I



252	Kokrajhar	Patgaon	Maoriagaon Pt-II
253	Kokrajhar		Galajhora Basti
254	Kokrajhar		Ketengajhora
255	Kokrajhar		Uttar Patgaon
256	Kokrajhar		Guwabari
257	Kokrajhar		Dakhin Patgaon
258	Kokrajhar		Pachim Patgaon
259	Kokrajhar		Ulubari
260	Kokrajhar		Mestabari
261	Kokrajhar		Maoriagaon
262	Kokrajhar	Pakhriguri	
263	Kokrajhar	Kakarmari	
264	Kokrajhar	Simbargaon	Ravapara
265	Kokrajhar		Simbargaon
266	Kokrajhar		Owabari
267	Kokrajhar		Ranihat
268	Kokrajhar		Thalitbari
269	Kokrajhar		Duramari
270	Kokrajhar		Hornaguri
271	Kokrajhar		Sijuguri
272	Kokrajhar		Mouzabari
273	Kokrajhar		Jaoliapara
274	Kokrajhar	Balajan	Kalugaon
275	Kokrajhar		Subaijhar
276	Kokrajhar		Haltugaon
277	Kokrajhar		Balajan
278	Kokrajhar		Kahibari
279	Kokrajhar		Mansargaon
280	Kokrajhar	Hajraiguri	
281	Kokrajhar	Sutarpara	Latagaon
282	Kokrajhar		Sutarpara
283	Kokrajhar		Uttar Dubrugaon
284	Kokrajhar		Dakhin Dubrugaon
285	Kokrajhar		Uttar Latagaon
286	Kokrajhar		Uttar Latagaon Chedamari
287	Kokrajhar	Karigaon	Bhog Amguri
288	Kokrajhar		Amguri
289	Kokrajhar		Karigaon
290	Kokrajhar		Bashbari
291	Kokrajhar		Uttar Bashbari
292	Kokrajhar		Dakhin Karigaon
293	Kokrajhar	Bashbari	Purba Barsangaon
294	Kokrajhar		Barsangaon
295	Kokrajhar		Bandarmuri
296	Kokrajhar		Harikhola
297	Kokrajhar		Damodarpur Pt-I
298	Kokrajhar		Damodarpurpt-II
299	Kokrajhar	Damodarpur Pt-III	
300	Kokrajhar	Daukibari Pt-I	
301	Kokrajhar	Daukibari Pt-II	
302	Kokrajhar	Silbari	
303	Kokrajhar	Bashbari Pt-I	
304	Kokrajhar	Bashbari Pt-II	
305	Kokrajhar	Bamungaon	Bedlangmari
306	Kokrajhar		Deeplaibail
307	Kokrajhar		Pukripar Pt-II
308	Kokrajhar		Nalbari
309	Kokrajhar		Bamungaon Pt-I
310	Kokrajhar		Bamingaon Pt-II
311	Kokrajhar	Bamungaon Pt-III	
312	Kokrajhar	Baumgaon Pt-IV	
313	Kokrajhar	Bethagaon	
314	Kokrajhar	Malgaon	
315	Kokrajhar	Bethagaon Bamunpara	



316	Kokrajhar		Choto Malgaon Pt-I	
317	Kokrajhar		Choto Malgaon Pt-II	
318	Kokrajhar		Pukripar Pt-IV	
319	Kokrajhar		Andujhar	
320	Kokrajhar		Bhorghola	
321	Kokrajhar	Chakrasila	Alubhui	
322	Kokrajhar		Tintila	
323	Kokrajhar		Chokrosila Pt-I	
324	Kokrajhar		Chokrosila Pt-II	
325	Kokrajhar		Jharnagara Pt-I	
326	Kokrajhar		Jharnagara Pt-II	
327	Kokrajhar		Jharnagara Pt-III	
328	Kokrajhar		Jharnagara Pt-IV	
329	Kokrajhar		Jiaguri	Abhayakuti
330	Kokrajhar			Bandarpara
331	Kokrajhar	Raniguli		
332	Kokrajhar	Jiyaguri		
333	Kokrajhar	Chokrasila NC		
334	Kokrajhar	Salbari		
335	Kokrajhar	Paroura		
336	Dotma	Dotma	Burimukh	
337	Dotma		Sikarbil	
338	Dotma		Syamthaibari	
339	Dotma		Gwthwibari	
340	Dotma		Majulipara	
341	Dotma		Katribari	
342	Dotma		Habrubari	
343	Dotma		Guwabari	
344	Dotma		Bauti	
345	Dotma		Surjyakhata	
346	Dotma		Munsirghup	
347	Dotma		Dotma Pt.I	
348	Dotma		Dotma Pt.II	
349	Dotma		Borshijhora Pt.I	
350	Dotma		Borshijhora Pt.II	
351	Dotma		Ladonga	
352	Dotma		Dumuriguri	
353	Dotma		Baghmara	
354	Dotma		Alengmari	
355	Dotma		Umanagar	
356	Dotma		Saragaon	
357	Dotma		Gomobil	
358	Dotma		Nowervita	
359	Dotma		Mauriagaon	
360	Dotma	Boragari	Bhutiapara	
361	Dotma		Sikargaon	
362	Dotma		Angthihara	
363	Dotma		Dhepdhepi	
364	Dotma		Teteliguri	
365	Dotma		Amtoli	
366	Dotma		Tekorkhata	
367	Dotma		Borojokhal	
368	Dotma		Khuksi	
369	Dotma		Chalani	
370	Dotma		Shimlaguri	
371	Dotma		Boragari	
372	Dotma		Thuribari	
373	Dotma		Molandubi	
374	Dotma		Batabari	
375	Dotma		Ghoramari	
376	Dotma		Beltari	
377	Dotma		Kamarpara	
378	Dotma		Khoraidamodati	
379	Dotma	Chithila	Baldiabathan	



380	Dotma		Lamapara
381	Dotma		Nayachara
382	Dotma		Shankarpara
383	Dotma		Binnachara
384	Dotma		Chithiligram
385	Dotma		Bogriguri
386	Dotma		Kotpara
387	Dotma		Mukhigaon
388	Dotma		Moinaguri
389	Dotma		Chokapara
390	Dotma		Tapapara
391	Dotma		Chithilaghop
392	Dotma		Singimari
393	Dotma		Jodumoni
394	Dotma		Modhupur
395	Dotma		Moinartol
396	Dotma		Magurmari
397	Dotma		Kharida-sandla Pt-I
398	Dotma		Kharida-Sandla Pt.II
399	Dotma		Fakiragram
400	Dotma		Pakhirirtol
401	Dotma		Molandubi
402	Dotma		Kumguri
403	Dotma		Totpara
404	Dotma		Kodaldhowa
405	Dotma		Ravapara
406	Dotma		Dhopertol
407	Dotma		Pochagarh
408	Dotma		Duramari
409	Dotma		Dingram
410	Dotma		Karaitola Muslimpara
411	Dotma	Fakiragram	Karaitola
412	Dotma		Sandlartari
413	Dotma		Karaitari
414	Dotma		Guabari
415	Dotma		Parataphkata Pt-I
416	Dotma		Pratapkhata Pt-II
417	Dotma		Bahadurpara
418	Dotma		Athiabari
419	Dotma		Bhakuamari
420	Dotma		Jogdoi - Muslimpara
421	Dotma		Jogdoi- Mechpara
422	Dotma		Hatachora
423	Dotma		Bhubannagar
424	Dotma		Mahish-Bathan
425	Dotma		Khejurbari
426	Dotma		Serfanguri
427	Dotma		Khunthaibari
428	Dotma		Gangerjaoflong
429	Dotma		Hogmabil
430	Dotma		Shymthaibari
431	Dotma		Fulkumari
432	Dotma		Gomobill
433	Dotma		Kumguri
434	Dotma		Kolobari
435	Dotma	Serfanguri	Narabari
436	Dotma		Choraideka
437	Dotma		Pachim kolobari
438	Dotma		Anthaibari
439	Dotma		Athiabari
440	Dotma		Gossainichina
441	Dotma		Kolyankuti
442	Dotma		Oxiguri
443	Dotma	Sialmari-Jharbari	Sialmari No.1



444	Dotma	Sialmari	Sialmari No.2
445	Dotma		Sialmari No.3
446	Dotma		Sialmari No.4
447	Dotma		Pakeriguri
448	Dotma		Hazarkia No.1
449	Dotma		Hazarkia No.2
450	Dotma		Ravapara No.1
451	Dotma		Ravapara No.2
452	Dotma		Nepalpara
453	Dotma		Deborgaon
454	Dotma		Ouguri
455	Dotma		Genduguri
456	Dotma		Jharbari
457	Dotma		Bhowraguri
458	Dotma		Bangaljhora
459	Dotma		Ramfalbill
460	Dotma		North Ramfalbil
461	Dotma		Lakhanabari
462	Dotma		Athiabari
463	Dotma		Saragaon
464	Dotma		Hasraobari
465	Dotma		Bilashpur
466	Dotma		Batabari
467	Dotma		Pachim Batabari
468	Dotma		Kalaigaon
469	Dotma		Jor-Shimlagauri
470	Dotma		Tengaigaon
471	Dotma	Aflagaon	
472	Dotma	Naigaon	
473	Dotma	Inthibil	
474	Dotma	Puthimari	
475	Dotma	Belguri	
476	Dotma	Padmabil	
477	Dotma	Fategaon	
478	Dotma	Banugaon	
479	Dotma	Gopalgaon	
480	Dotma	Nalbari	
481	Dotma	Bhalukmari	
482	Dotma	Simlaguri	
483	Dotma	Laodonga	
484	Dotma	Kauradumuni	
485	Dotma	West Dangerkuthi	
486	Dotma	Dakhin Dangerkuthi	
487	Dotma	Dangarkuti	
488	Dotma	Gilaguri	
489	Dotma	Bongshigaon	
490	Dotma	Anthabil	
491	Dotma	Sikargaon	
492	Dotma	Taktara	
493	Dotma	Uttar Khagrabari	
494	Dotma	Bonorgaon	
495	Dotma	Bongshidhorma	
496	Dotma	Ghoskata	
497	Dotma	Kumguri	
498	Dotma	Bijulibari	
499	Dotma	Chandrapara	
500	Dotma	Hekaipara	
501	Dotma	Khagrabari	
502	Dotma	Dhauliguri	
503	Gossiagoan	Jaraguri	No.1 Sapkata
504	Gossiagoan		No.2 Sapkata
505	Gossiagoan		No. 1 Hashrawbari
506	Gossiagoan		No. 2 Hashrawbari
507	Gossiagoan		No. 1 Howriapet



508	Gossiigoan		No. 2 Howriapet	
509	Gossiigoan		No. 1 Maktaigaon	
510	Gossiigoan		No. 2 Maktaigaon	
511	Gossiigoan		No. 1 Bajugaon	
512	Gossiigoan		No. 2 Bajugaon	
513	Gossiigoan		No. 1Khoksaguri	
514	Gossiigoan		No. 3 Khoksaguri	
515	Gossiigoan		No. 2Khoksaguri	
516	Gossiigoan		Khoksaguri Block	
517	Gossiigoan		No. 1Gokulkata	
518	Gossiigoan		Gokulkata Block	
519	Gossiigoan		Jaraguri Block	
520	Gossiigoan		Jaraguri PGR No. 1	
521	Gossiigoan		Jaraguri PGR No. 2	
522	Gossiigoan		No. 1Jaraguri	
523	Gossiigoan		No. 2 Jaraguri	
524	Gossiigoan	Shimaltapu	No. 1 Serfunguri	
525	Gossiigoan		No. 2 Serfunguri	
526	Gossiigoan		No. 1 Polashguri	
527	Gossiigoan		No. 2 Polashguri	
528	Gossiigoan		No. 1 Burichatam	
529	Gossiigoan		No. 2 Burichitam	
530	Gossiigoan		No. 1 Bhomrabil	
531	Gossiigoan		No. 2 Bhomrabil	
532	Gossiigoan		No. 1 Golandangi	
533	Gossiigoan		No. 2 Golandangi	
534	Gossiigoan		No. 1 Dawaguri	
535	Gossiigoan		No. 2 Dawaguri	
536	Gossiigoan		No. 3 Dawaguri	
537	Gossiigoan		No. 2 Gokulkata	
538	Gossiigoan		No. 1 Simaltapu	
539	Gossiigoan		No. 2 Simaltapu	
540	Gossiigoan		Simaltapu PGR	
541	Gossiigoan		Simaltapu BLOCK	
542	Gossiigoan		No.3 Simaltapu	
543	Gossiigoan		No.1 Garumarachar	
544	Gossiigoan		No.2 Garumarachar	
545	Gossiigoan		Sapkata	Shyamdasguri
546	Gossiigoan			No. 2Saljuri
547	Gossiigoan	Ballimari		
548	Gossiigoan	Silbhaji		
549	Gossiigoan	Bhaolaguri		
550	Gossiigoan	No. 1 Barzabil		
551	Gossiigoan	No 1 Saljuri		
552	Gossiigoan	No. 3 Saljuri		
553	Gossiigoan	Panowari		
554	Gossiigoan	Malaguri		
555	Gossiigoan	Pakeriguri		
556	Gossiigoan	Ballamguri		
557	Gossiigoan	No. 1 Matiapara		
558	Gossiigoan	No. 2 Matiapara		
559	Gossiigoan	No.2 Barzabil		
560	Gossiigoan	Habrubil	Madatipar	
561	Gossiigoan		Nepalpara	
562	Gossiigoan		Habrubil	
563	Gossiigoan		Block Kuti	
564	Gossiigoan		No. 1Kadamguri	
565	Gossiigoan		No. 2 Kadamguri	
566	Gossiigoan		Gossaigaon Town	
567	Gossiigoan		Padmabil	
568	Gossiigoan		Gossaigaon No. 1	
569	Gossiigoan		Gossaigaon No. 2	
570	Gossiigoan		Haruafuta	
571	Gossiigoan		Oxiguri	



572	Gossiagoan		Kamarpara
573	Gossiagoan		Padmapukhuri
574	Gossiagoan		Bashbari
575	Gossiagoan		Babubil
576	Gossiagoan		Barkhangbil
577	Gossiagoan	Hatigarh	Kathalguri
578	Gossiagoan		No. 1 Hatigar
579	Gossiagoan		No. 2 Hatigar
580	Gossiagoan		No. 1 Joyma
581	Gossiagoan		No. 1 Kanhupara
582	Gossiagoan		No. 2 Kanhupara
583	Gossiagoan		No. 1 Kandanapara
584	Gossiagoan		No. 2 Kandanapara
585	Gossiagoan		Thaigirguri
586	Gossiagoan		No. 1 Panbari
587	Gossiagoan		No. 2 Panbari
588	Gossiagoan		No. 3 Panbari
589	Gossiagoan		Gardenpur
590	Gossiagoan		Rajadabri
591	Gossiagoan	No. 1 Alinagar	
592	Gossiagoan	No. 2 Alinagar	
593	Gossiagoan	Kopragaon	
594	Gossiagoan	Jajlaigaon	
595	Gossiagoan	No. 1 Garokotra	
596	Gossiagoan	No. 2 Garokotra	
597	Gossiagoan	No. 1 Odlaguri	
598	Gossiagoan	No. 2 Odlaguri	
599	Gossiagoan	No. 2 Joyma	
600	Gossiagoan	No. 1 Hudumkhata	
601	Gossiagoan	No. 2 Hudumkhata	
602	Gossiagoan	No. 1 Bhodeaguri	
603	Gossiagoan	No. 2 Bhodeaguri	
604	Gossiagoan	Dhauligiri	
605	Gossiagoan	Anthabari	Dalgaon
606	Gossiagoan		Guabari
607	Gossiagoan		Anthabari
608	Gossiagoan		Shejari
609	Gossiagoan		Joymaguri
610	Gossiagoan		Dobhai
611	Gossiagoan		Sogunhra
612	Gossiagoan		Bamunkura
613	Gossiagoan		Garjan Part-I
614	Gossiagoan		Garjan Part-II
615	Gossiagoan		Kuklingpara
616	Gossiagoan		Dholabil
617	Gossiagoan		DChoto Binnyakhata
618	Gossiagoan		Boro Binyakhata Pt.I
619	Gossiagoan		Satbil Pt-I
620	Gossiagoan		Satbil Pt.Ii
621	Gossiagoan		Boro Binyakhata Pt.II
622	Gossiagoan	Kurshakati Prt-I	
623	Gossiagoan	Kurshakati Part-I	
624	Gossiagoan	Modati	
625	Gossiagoan	Grahampur	Thuribari
626	Gossiagoan		Grahampur
627	Gossiagoan		Thakurpur
628	Gossiagoan		Karlingpur
629	Gossiagoan		Mornai Cha. Bagan
630	Gossiagoan		Fouspur
631	Gossiagoan		Polashguri
632	Gossiagoan		Naisapur Mechpara
633	Gossiagoan		Noisapur
634	Gossiagoan		Edelghutu
635	Gossiagoan	No. 2 Failaguri	



636	Gossiagoan		Borobadha
637	Gossiagoan		No. 1 Mallikapur
638	Gossiagoan		No. 2 Mallikapur
639	Gossiagoan		Kerappur
640	Gossiagoan		Anandapur
641	Gossiagoan	Failaguri	Quitanpur
642	Gossiagoan		Ransupur
643	Gossiagoan		Lotamari
644	Gossiagoan		No. 1 Khayarghuta
645	Gossiagoan		No. 2 Khayarghuta
646	Gossiagoan		No. 1 Majadabari
647	Gossiagoan		Salbari
648	Gossiagoan		Jacobpur
649	Gossiagoan		No. 1 Failaguri
650	Gossiagoan		No. 1 Kembalpur
651	Gossiagoan		No. 2 Kembalpur
652	Gossiagoan		No. 2 Srirampur
653	Gossiagoan		No.2 Majadabri
654	Gossiagoan		No. 3 Majadabri
655	Gossiagoan	Damra	No. 1 Srirampur
656	Gossiagoan		Shyamaguri
657	Gossiagoan		Simaldohi
658	Gossiagoan		Sukan Baunai
659	Gossiagoan		Rangagaon
660	Gossiagoan		Ranguapara
661	Gossiagoan		Matiajuri
662	Gossiagoan		Tarinipur
663	Gossiagoan		Restekpur
664	Gossiagoan		Chandrapur
665	Gossiagoan		Bhairiguri
666	Gossiagoan		Nayagaon
667	Gossiagoan		Damra
668	Gossiagoan		Silpur
669	Bagribari	Panbari-Jalabila	Panbari Pt-III
670	Bagribari		Singimari Pt-I
671	Bagribari		Singimari Pt-II
672	Bagribari		Gendabil Pt-I
673	Bagribari		Gendabil Pt-II
674	Bagribari		Bhogjhora
675	Bagribari		Phulkumari Pt-I
676	Bagribari		Phulkumari Pt-II
677	Bagribari		Panbari Pt-I
678	Bagribari		Panbari Pt-II
679	Bagribari		Dudumari Pt-I
680	Bagribari		Dudumari Pt-II
681	Bagribari		Sukanjhora Saljhar
682	Bagribari		Khangkharaibari Pt-I
683	Bagribari		Khangkharaibari Pt-II
684	Bagribari		Daimaguri Pt-I
685	Bagribari		Daimaguri Pt-II
686	Bagribari		Ghugujhora Pt-I
687	Bagribari		Ghugujhora Pt-II
688	Bagribari		Maurijhora Pt-I
689	Bagribari		Maurijhora Pt-II
690	Bagribari		Maurijhora Pt-III
691	Bagribari		Silbari
692	Bagribari		Lalmati Pt-II
693	Bagribari		Kutkutarbhita
694	Bagribari		Borogaon
695	Bagribari		Kuarpar
696	Bagribari		Jalabila
697	Bagribari		Falakata Pt-I
698	Bagribari		Jaipur Pt-I
699	Bagribari		Jaipur Pt-II



700	Bagribari	Tipkai-Polashguri	Lalmati Pt-I	
701	Bagribari		Khoragha	
702	Bagribari		Khamar	
703	Bagribari		Tamakubari Pt-II	
704	Bagribari		Jhalopara	
705	Bagribari		Amjhora	
706	Bagribari		Pastibari	
707	Bagribari		Tipkai Bondor	
708	Bagribari		Rangamati	
709	Bagribari		Nepali Khuti	
710	Bagribari		Tulshijhora Pt-III	
711	Bagribari		Sagarphena	
712	Bagribari		Sagarphena Jhar	
713	Bagribari		Tulshijhora Pt-I	
714	Bagribari		Tulshijhora Pt-II	
715	Bagribari		Bengaijhora Pt-I	
716	Bagribari		Bengaijhora Pt-II	
717	Bagribari		Chilikhata Pt-I	
718	Bagribari		Chilikhata Pt-II	
719	Bagribari		Chilikhata Pt-III	
720	Bagribari		Rangamati Jhar Pt-II	
721	Bagribari		Changbanda Pt-II	
722	Bagribari		Rangamati Jhar Pt-I	
723	Bagribari		Changbanda Pt-III	
724	Bagribari		Sukanjhora	
725	Bagribari		Changbanda Pt-I	
726	Bagribari		Chilingjhora Jhar Pt-II	
727	Bagribari		Chilingjhora Jhar	
728	Bagribari		Boistamjhora Jhar	
729	Bagribari		Chilingjhora Jhar Pt-I	
730	Bagribari		Sukanjhora Pt-II	
731	Bagribari		Sukanjhora Pt-I	
732	Bagribari		Sukanjhora Pt-III	
733	Bagribari		Bhalukjhora	
734	Bagribari		Motijhora Jhar N.C.	
735	Bagribari		Chisti Pt-III	
736	Bagribari		Boistamjhora	
737	Bagribari		Dudumari Pt-III	
738	Bagribari		Boro Belguri	
739	Bagribari		Soto Belguri	
740	Bagribari		Polashguri	
741	Bagribari		Naigaon	
742	Bagribari		Duligaon Pt-II	
743	Bagribari		Duligaon Pt-III	
744	Bagribari		Duligaon Pt-IV	
745	Bagribari		Duligaon Pt-I	
746	Bagribari		Duligaon Pt-V	
747	Bagribari		Duligaon Pt-VI	
748	Bagribari		Sindurijhora	
749	Bagribari		Mesniakutir Jhar Pt-II	
750	Bagribari		Garaimari Pt-I	
751	Bagribari		Garaimari Pt-II	
752	Bagribari		Mesniakutir Jhar Pt-I	
753	Bagribari		Ubrijhora	
754	Bagribari		Alupara Pt-II	
755	Bagribari		Falakata Pt-II	
756	Bagribari		Alupara Pt-III	
757	Bagribari		Alupara Pt-I	
758	Bagribari		Mahamaya Dham	
759	Bagribari		Jangirkilla Pt-I	
760	Bagribari		Jangirkilla Pt-II	
761	Bagribari		Sataguri Pt-I	
762	Bagribari		Sataguri Pt-II	
763	Bagribari		Monipur Pt-I	
			Mahamaya- Debitola	



764	Bagribari		Baniyamari Pt-II
765	Bagribari		Angarkata Pt-I
766	Bagribari		Angarkata Pt-II
767	Bagribari		Singimari
768	Bagribari		Angarkata Pt-III
769	Bagribari		Khanabari Araiani Pt-I
770	Bagribari		Khanabari Araiani Pt-II
771	Bagribari		Rajapara Pt-I
772	Bagribari		Rajapara Pt-II
773	Bagribari		Kathalbari
774	Bagribari		Boraibari
775	Bagribari		Bhelakoba Pt-I
776	Bagribari		Bhelakoba Pt-II
777	Bagribari		Chawguri
778	Bagribari		Rangamati Hill
779	Bagribari		Purana Panbari
780	Bagribari		Hatibanda
781	Bagribari		Bamuni Pahar
782	Bagribari		Ram Sarubor
783	Bagribari		Thuria Pahar
784	Bagribari		Alomganj Pt-III
785	Bagribari		Dampur Pt-I
786	Bagribari		Dampur Pt-II
787	Bagribari		Paschim Rangamati Pahar
788	Bagribari		Debitola Pt-I
789	Bagribari		Debitola Pt-II
790	Bagribari		Debitola Pt-III
791	Bagribari		Debitola Pt-IV
792	Bagribari		Debitola Bill Block
793	Bagribari		Kalbhandari Pt-I
794	Bagribari		Kalbhandari Pt-II
795	Bagribari		Pakihaga Pt-I
796	Bagribari		Pakihaga Pt-II
797	Bagribari		Dolgram
798	Bagribari		Borvita
799	Bagribari		Khutabagra Pt-I
800	Bagribari		Khutabagra Pt-II
801	Bagribari		Bamuni
802	Bagribari		Gombhirakhata Pt-I
803	Bagribari		Gombhirakhata Pt-II
804	Bagribari		Dhalagaon Pt-I
805	Bagribari		Dhalagaon Pt-II
806	Bagribari		Kazigaon Pt-III
807	Bagribari		Kazigaon Pt-IV
808	Bagribari		Kazigaon Pt-V
809	Bagribari		Kazigaon Pt-VI
810	Bagribari		Kazigaon Pt-I
811	Bagribari		Kazigaon Pt-II
812	Bagribari		Kazigaon Rabhapara
813	Bagribari		Paikandara Pt-I
814	Bagribari		Paikandara Pt-II
815	Bagribari		Paikandara Pt-III
816	Bagribari		Tokrapara Gaon Pt-I
817	Bagribari		Tokrapara Gaon Pt-II
818	Bagribari		Tokrapara Gaon Pt-III
819	Bagribari		Borshijhora Pt-I
820	Bagribari		Borshijhora Pt-II
821	Bagribari		Borshijhora Pt-III
822	Bagribari		Motijhora Jhar Pt-I
823	Bagribari		Bhourijhora
824	Bagribari		Harjhora
825	Bagribari		Borjhora Pt-I
826	Bagribari		Motijhora Jhar Pt-II
827	Bagribari		Bengdoba Pt-I

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828	Bagribari		Bengdoba Pt-II
829	Bagribari		Borjhora Pt-II
830	Bagribari		Borjhora Pt-III
831	Bagribari		Borjhora Pt-IV
832	Bagribari		Daibari Pt-I
833	Bagribari		Daibari Pt-II
834	Bagribari		Daibari Pt-III
835	Bagribari		Daibari Pt-IV
836	Bagribari		Monglajhora
837	Bagribari		Monglahat
838	Bagribari		Oxibari Pt-I
839	Bagribari		Oxibari Pt-II
840	Bagribari		Thekenjhora Pt-II
841	Bagribari		Hawriajhora
842	Bagribari		Bongshijhora Pt-I
843	Bagribari		Gombhiraghat Pt-I
844	Bagribari		Matiadol
845	Bagribari		Thekenjhora Pt-I
846	Bagribari		Bongshijhora Pt-II
847	Bagribari		Gombhiraghat Pt-II
848	Bagribari		Chisti Pt-I
849	Bagribari		Chisti Pt-II
850	Bagribari		Darchuka Pt-II
851	Bagribari		Silaipar Pt-II
852	Bagribari		Namdani Modati
853	Bagribari		Modati Pahar Basti Pt-I
854	Bagribari		Modati Pahar Basti Pt-II
855	Bagribari		Modati Pahar Basti Pt-III
856	Bagribari		Modati Pahar Basti Pt-IV
857	Bagribari		Modati Pahar Basti Pt-V
858	Bagribari		Mantapara Pahar Basti Pt-I
859	Bagribari		Mantapara Pahar Basti Pt-II
860	Bagribari		Kutujhora
861	Bagribari		Debottor Khopati Pt-I
862	Bagribari		Debottor Khopati Pt-II
863	Bagribari		Debottor Khopati Pt-III
864	Bagribari		Atharokothar Jhar Pt-I
865	Bagribari		Atharokothar Jhar Pt-II
866	Bagribari		Rupshi Air Field
867	Bagribari		Rupshi Pt-I
868	Bagribari		Rupshi Pt-II
869	Bagribari		Rupshi Pt-III
870	Bagribari		Bhekur Char
871	Bagribari		Rupshi Pt-IV
872	Bagribari		Bashbari Pt-I
873	Bagribari		Bashbari Pt-II
874	Bagribari		Aluwabari
875	Bagribari		Paglijhora Pt-I
876	Bagribari		Paglijhora Pt-II
877	Bagribari		Atharokothar Jhar Pt-III
878	Bagribari		Bashbari Bazar
879	Bagribari		Jolai Gaon
880	Bagribari		Eshwar Panga
881	Bagribari		Atharokothar Jhar Pt-IV
882	Bagribari		Paglijhora Jhar
883	Bagribari		East Atharokothar Jhar
884	Bagribari		Banyaguri Pt-II
885	Bagribari		Maltijhora
886	Bagribari		Banyaguri Pt-I
887	Bagribari		Banyaguri Borjhar
888	Bagribari		Kawahagi
889	Bagribari		Singijhora Pandaragaon Pt-I
890	Bagribari		Singijhora Pandaragaon Pt-II
891	Bagribari		Jaldoba Pt-I

Modati-Rupshi

Bashbari-Joldoba



892	Bagribari		Jaldoba Pt-II
893	Bagribari		Moamari Pt-I
894	Bagribari		Moamari Pt-II
895	Bagribari		Dukhisukhi Pt-I
896	Bagribari		Dukhisukhi Pt-II
897	Bagribari		Moamari Jhar
898	Bagribari		Dukhisukhi Jhar Pt-I
899	Bagribari		Dukhisukhi Jhar Pt-II
900	Bagribari		Dukhisukhi Jhar Pt-III
901	Bagribari	Kurshakati- Marshuljhora	Lalmati
902	Bagribari		Chesapani
903	Bagribari		Dangaijhora
904	Bagribari		Pastibari
905	Bagribari		Amjhora
906	Bagribari		Daldoli
907	Bagribari		Molandubi Jhar Pt-II
908	Bagribari		Kurshakati
909	Bagribari		Molandubi
910	Bagribari		Siltoka Pt-I
911	Bagribari		Molandubi Jhar
912	Bagribari		Siltoka Pt-II
913	Bagribari		Marsuljhora Jhar Pt-I
914	Bagribari		Marsuljhora Jhar Pt-II
915	Bagribari		Kharkhari Pt-I
916	Bagribari		Kharkhari Pt-II
917	Bagribari		Marsuljhora Pathardubi Pt-I
918	Bagribari		Marsuljhora Pathardubi Pt-II
919	Bagribari		Marsuljhora Gaon Pt-I
920	Bagribari		Marsuljhora Gaon Pt-II

ANNEXURE- V
SUMMARY OF VULNERABLE INFRASTRUCTURE

Details of Vulnerable Infrastructure														
Sl. No	Name of the Revenue Circle	No. of Vulnerable Villages	No of Vulnerable Infrastructure											
			Schools	Embankments	PHC/ CHC	Hospital	PWSS	CWPP	CMSC	Irrigation Channels	Roads	Bridges/ Culverts	Others	
1	Kokrajhar	58	0	2	2	0	0	0	0	0	0	20	3	0
2	Bagribari	72	0	1	10	0	0	0	0	0	0	46	26	0
3	Gossaigaon	60	0	0	2	0	0	0	0	0	4	27	0	14 (AW C)
4	Bhawraguri	45	9	0	2	0	0	0	0	0	0	14	1	0
5	Dotma	112	0	1	0	0	0	0	0	0	0	20	2	0

ANNEXURE- VI
SUMMARY OF VULNERABLE POPULATION

Sl. No	Name of the Revenue Circle	Children		Elderly		Disabled		Persons with severe Diseases		Pregnant Women	Lactating Mothers	Total Women
		Male	Female	Male	Female	Male	Female	Male	Female			
1	Kokrajhar	2071	1979	1003	1070	174	155	17	17	287	323	1852
2	Bagribari	2866	2519	1506	1563	54	37	139	75	415	455	870
3	Gossaigaon	3427	3059	1692	1709	231	191	31	39	392	545	2246
4	Bhawraguri	2988	2909	1473	1438	170	111	37	42	481	536	2608
5	Dotma	1875	1840	200	188	88	106	11	6	0	6	1834
Total		13227	12306	5874	5968	717	600	235	179	1575	1865	9410

DISTRICT WISE INVENTORY LIST

DISTRICT CONTACT DETAILS

Sl. No.	Department	Name	Designation	Contact No.
1	District Administration	Pradeep Kr. Dwivedi, IAS	District Commissioner, Kokrajhar	9827475502
2	District Administration	Smt. Kabita Deka, ACS	ADC & CEO DDMA, Kokrajhar	9613861836
3	District Administration	Wadiul Islam, ACS	ADC, Kokrajhar	9864038346
4	District Administration	Subharam Aditya Bora, ACS	ADC, Kokrajhar	9957907417
5	District Administration	Keshabananda Taid	Election Officer, Kokrajhar	7838167613
6	District Administration	Smt. Rima Trishna Haloi, ACS	AC, Kokrajhar	9582628268
7	District Administration	Dhrubajyoti Das, ACS	AC, Kokrajhar	7002956940
8	District Administration	Sauravjyoti Deuri, ACS	AC, Kokrajhar	8486527468
9	District Administration	Sanjay Sharma, AFS	Treasury Officer, Kokrajhar	9435325405
10	District Administration	Mahesh Basumatary, AFS	FAO	9435487159
11	District Administration	Sri Ananta Kr. Goswami	SPO, Kokrajhar	9401157089
12	District Administration	Sri. A. S. Rengma	APO, Kokrajhar	9435325503
13	District Administration	Lakshinath Basumatary	APO, Kokrajhar	7002517201
14	District Administration	Sri Shyamal. Das	DIO, NIC Kokrajhar	9435127280
15	District Administration	Sri Ahmedullah Thakuria, ACS	Election Office	7002593661
16	District Administration	Amrita Dutta, ACS	AC, Gossaigaon	9854084555
17	District Administration	Sri Kokil Das, ACS	AC, Gossaigaon	9859713976
18	District Administration	Sri Manash Bordoloi, ACS	AC, Gossaigaon	9395727282
19	District Administration	Sri Priyankarpratim Deka, ACS	AC, Parbatjhora	8724050649
20	District Administration	Sri Saroj Kr, Deka, ACS	AC, Parbatjhora	8638693573
21	District Administration	Mrs. Roushinul Alom, ACS,	AC, Parbatjhora	8447937606
22	District Administration	Sri. Hiren Kumar, APS	SDPO, Gossaigaon	8638539636
23	District Administration	Sri Partha Pratim Duawara, APS	SDPO, Parbatjhora	9101493902
24	DDMA	Kamal Kishor Hazarika	District Project Officer, DDMA	7002535051
25	DDMA	Turio Brahma	Field Officer, Kokrajhar Revenue Circle	8811975221
26	DDMA	Manindra Basumatary	Field Officer, Dotma Revenue Circle	9508514241
27	DDMA	Bhriгу Saikia	Field Officer, Gossaigaon Revenue Circle	8638475694
28	DDMA	Anup Kumar Bhattacharjee	Field Officer, Bhawraguri Revenue Circle	9706680428
29	DDMA	Dharmendra Choudhury	Field Officer, Bagribari Revenue Circle	9395275890
30	DDMA	Dilip Sarkar	Information Assistant, DEOC, DDMA, Kokrajhar	7002081017
31	DDMA	Bijoy Chakraborty	Information Assistant, DEOC, DDMA, Kokrajhar	7002063714
32	DDMA	Subhankar Mandal	Information Assistant, DEOC, DDMA, Kokrajhar	7002063713
33	DDMA	Goutam Mandal	Information Assistant, DEOC, DDMA, Kokrajhar	7577970291
34	DRDA	Shri Wadiul Islam, ACS	PD, DRDA, Kokrajhar	9864038246
35	DRDA	Khalilur Rahman	EE, DRDA, Kokrajhar	7002713905

36	Water Resource	Mohan Ch. Medhi	CHD	9435199886
37	Water Resource	Sri. Biman Ch. Bordoloi	Addl. Chief Eng. cum CHD	9864188240
38	Water Resource	Rajesh Kr. Brahma	Executive Engineer	9954830715
39	Water Resource	Kaustov Basumatary	JE Kokrajhar	9954297097
40	Water Resource	Chaleswar Basumatary	JE, Kokrajhar	8011789099
41	Water Resource	Alakesh Baruah	AE Kokrajhar	9707389101
42	Water Resource	Dayananda Baishnab	AEE Kokrajhar WR Div.	7002067986
43	Water Resource	Sri. Jitu Ray	Asst. Exe Eng. Gossaigaon	9435120646
44	Health & Family Welfare	Dr. A. S. Sarma	Jt. Director Health Service, Kokrajhar	9435063190
45	Health & Family Welfare	Dr. H. Das, MO(Ayur)	Balajan PB	9435603329
46	Health & Family Welfare	Dr. R. Swargiary, M&HO-I	Rainadabri PHC	7002676442
47	Health & Family Welfare	Dr. Firoj Ali, M&HO (Ayur)	Dotma BPHC	7002332400
48	Health & Family Welfare	Dr. Manaj Boro, M&HO (MBBS)	Dotma BPHC	7002419388
49	Health & Family Welfare	Dr. Karmakar	SDM&HO, Gossaigaon	8472971401
50	Health & Family Welfare	Dr. Bhowal	Dist. Immunization Officer	9435026521
51	Health & Family Welfare	Sri Uttam Brahma	DPM, NHM, Kokrajhar	9435513491
52	Health & Family Welfare	Sri Kajal Nandi	DPM i/c, NHM Kokrajhar	9435027066
53	Health & Family Welfare	Sri Chinmoy Das	Hospital Administrator	7002338699
54	PWD Department	Sri. Rajesh Kemprai	Addl. Chief Engineer cum Director	9435075302
55	PWD Department	Sri Surjya Kr. Talukdar	Addl. Chief engineer, PWD	9435013570
56	PWD Department	Santosh Brahma	Executive Engineer (RR)	9365283807
57	PWD Department	Saikat Dutta	AEE(B) Kokrajhar Divn.	9435191403
58	PWD Department	Rubul Kantrang	JE (PWD Building)	9859133890
59	PWD Department	Rabia Ch Brahma	AEE (RR)	9435322459
60	PWD Department	Manoj Basumatary	AEE (RR) Kachugaon	9435325412
61	PWD Department	John Ahmed	JE(C)	9864897480
62	PWD Department	Abu Bakkar Siddique	JE (RR)	9435595012
63	PWD Department	Pradip Debnath	JE (RR)	8876030306
64	PWD Department	Khanin Ch. Boro	i/c Exe Eng. & SE PWD Building Circle	8761812237
65	PWD Department	Dimbeswar Boro	AEE T/C PWD RR Kokrajhar	9435161944
66	PWD Department	M. Mushahary	AEE (Elect)	8761812842
67	PWD Department	Hebol Islary	AEE (T/C) PWD Electrical Kokrajhar	9854647611
68	Forest Department	Anurag Singh, IFS	CCF cum CHD Forests, BTC	9954099930
69	Forest Department	Jayanta Brahma	DCF, DFO, Haltugaon Division	8638172422
70	Forest Department	Ranjit Konwar, AFS	DFO Parbatjhora, Suparighat	9435012285
71	Forest Department	Promothesh Deb Roy, AFS	ACF, Haltugaon Div	8638143690
72	Forest Department	Bhanu Sinha	DFO, Kachugaon Division	9401129079
73	Forest Department	KK Nath	ACF, Kachugaon Div	7002592438
74	Forest Department	Tanesh Baro	Dy. Ranger, Social Forestry Divn, Koj	9854081665

75	PHE Department	Rupeswar Brahma	EE, PHE, Gossaigaon Divn.	9435701651
76	PHE Department	A. Bareque	AEE, PHE, Gossaigaon	9954356622
77	PHE Department	Partha Deka	JE Kokrajhar	8721042457
78	PHE Department	Samindra Swargiary	EE, PHE, Kokrajhar Divn. 1	8638859775
79	PHE Department	Bhaskarjyoti Das	AEE PHE, T/C Div. 1	7002509482
80	Agriculture Department	Phani Dhar Brahma	Director, Agriculture	9101380007
81	Agriculture Department	Binod Deka	DDA FTS, Kokrajhar	9435512320
82	Agriculture Department	Sameswar Pd. Varma	Asstt. Director of Agri.	9435324150
83	Agriculture Department	Diganta Thapa	DAO, Kokrajhar	9854739614
84	Agriculture Department	Ranbir Kakati	Executive Engineer, Kokrajhar Divn.	9954096500
85	Agriculture Department	Nazrul Islam	Jr. Engn	9435513548
86	Agriculture Department	Bhimewar Talukdar	Demonstrator	9401231602
87	Agriculture Department	Raju Bathori	JE	8638961991
88	Agriculture Department	Nila Kt. Kalita	JE	9435140801
89	APDCL	Bijaya Boro	CEO, APDCL, Kokrajhar	8753984331
90	APDCL	Gopal Sah	AGM, APDCL	9954248126
91	APDCL	Swapnajt Konwor	DM, KED, APDCL	8638032789
92	APDCL	Navadip Roy	AGM(Project), APDCL	7002265843
93	APDCL	Gaurav Gupta	AM (Accounts),KEC, APDCL, Kokrajhar	8134952224
94	APDCL	Ringsar Brahma	AO,KED, APDCL	9435737176
95	APDCL	Dhurbajyoti Narzary	AO, IRCA, APDCL DM, KED, APDCL	7002752868
96	APDCL	Debananda Debnath	AO, KEC, APDCL	8822731852
97	Irrigation Department	Sri Ajit Sarkar	CHD	9435324269
98	Irrigation Department, Kokrajhar East Division	Arman Ali Khan	Executive Engineer, Kokrajhar East Divn.	9859381021
99	Irrigation Department, Kokrajhar East Division	Smt. Sandya Basumatary	AEE (TC)	9401232062
100	Irrigation Department, Kokrajhar East Division	Sri Pritom Dev	AE	9864537438
101	Irrigation Department, Kokrajhar East Division	Sri Satyajit Roy	AE	8822973436
102	Irrigation Department, Kokrajhar East Division	Smt. Bubl Basumatary	JE	9435512200
103	Irrigation Department, Kokrajhar Sub-Division	Sri Nihar Ranjan Basumatary	AEE, Kokrajhar Sub-Divn	8471875611
104	Irrigation Department, Kokrajhar Sub-Division	Mohit Basumatary	EE, Irrigation, Gossaigaon Koj West	9954239311
105	Irrigation Department, Kokrajhar Sub-Division	Ajoy Kr. Kishore	AEE, Gossaigaon-Kokrajhar West Div.	9954013573
106	Irrigation Department, Kokrajhar Sub-Division	Sri Hridoy Choudhury	AE	9854533953
107	Irrigation Department, Kokrajhar Sub-Division	Sri Drubajyoti Das	JE	9101134215
108	Irrigation Department, Kokrajhar Sub-Division	Sri Ajoy Narzary	Section Asstt.	9435560992
109	Irrigation Department	Sri Tulshi Ch. Swargiary	Executive Engineer (Mech)	8135827483
110	Irrigation Department	Bhaskar Basumatary	AEE(TC), Irrigation	9957574387
111	Education Department	Sri. Bijay Boisnob	Director, Education, BTAD & Inspector of Schools	9435026237
112	Education Department	Sri J.P. Brahma	Inspector of Schools, KDC, Kokrajhar	9435325911

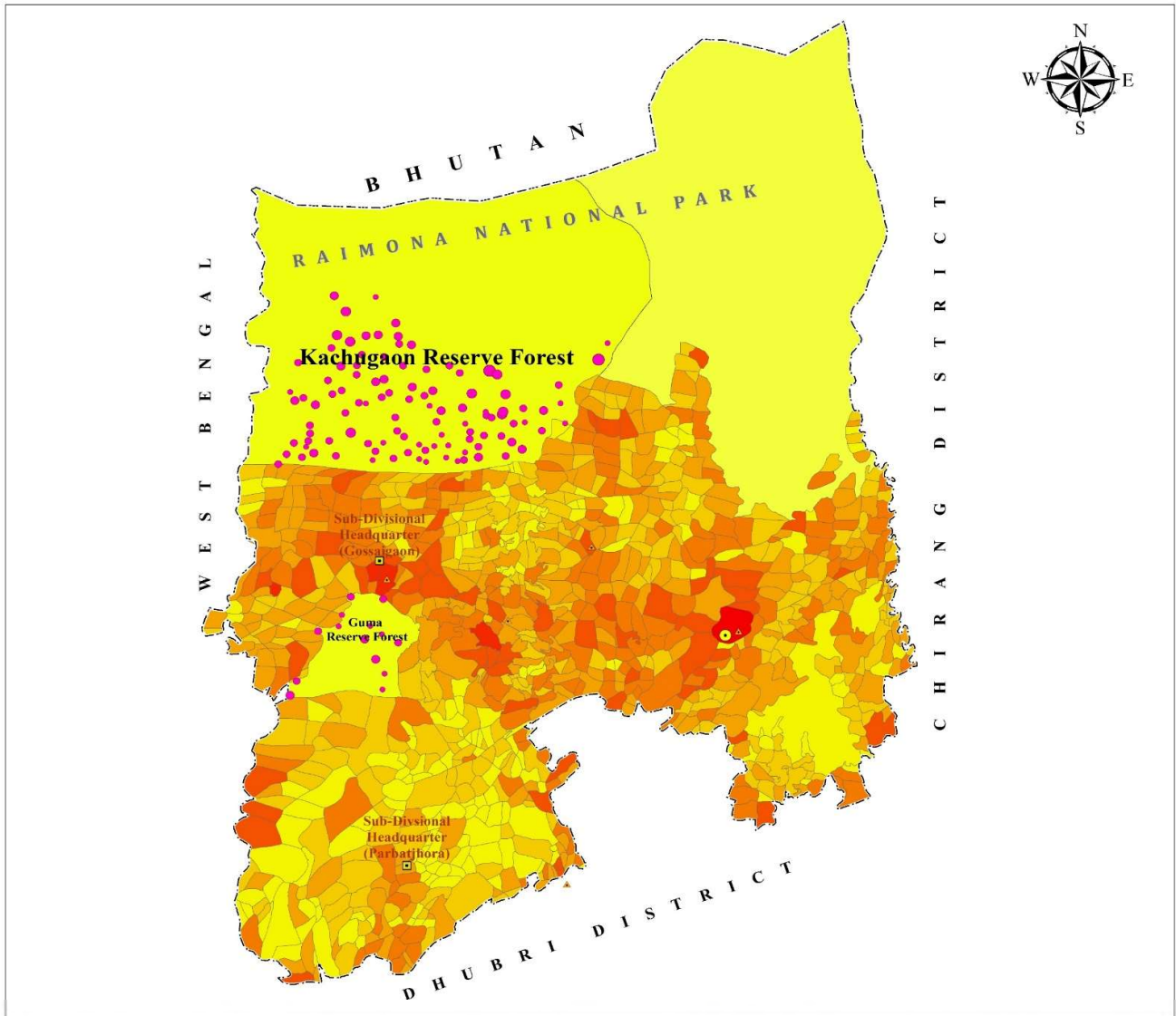
113	Education Department	Biju Basumatary	DPO, DEEO	9435135348
114	Education Department	Tridibesh Lahiri	JE, SSA, Kokrajhar	9435675901
115	Social Welfare	Sri. Girin Bhuyan	CHD, Social Welfare	9954100122
116	Social Welfare	Jintu Moni Phukan	DSWO, Kokrajhar	9435063432
117	Social Welfare	Laifang Narzary	Nodal Officer DSWO	8638979460
118	Social Welfare	Nishani Narzary	Dist. Coordinator, POSHAN	9678419566
119	CHD Labour Welfare	Sri. Hemanta Kalita	CHD, Labour Welfare	7576919368
120	CHD Labour Welfare	Bichitra Kr. Sharma	Labour Inspector	8638244203
121	CHD Labour Welfare	Satan Kr. Brahma	Labour Inspector	8473845544
122	Police Department	Sri. L. R. Bishnoi, IPS	IGP, BTAD Kokrajhar	8811029099
123	Police Department	Sri. Taburam Pegu, APS	Addl.SP of Police (B)	9435114747
124	Police Department	Smt. Lamhao Dounge, APS	Addl.SP of Police (Secu)	6026900398
125	Police Department	Nabanita Sharma, APS	Addl.SP of Police (Hq)	8812865511
126	Police Department	Sri. Punnam Pegu, APS	Dy. S.P. (H.Q)	6029600401
127	Police Department	Sri. Kamal Ch. Rajbongshi	Dy. S.P. (Aviation Society)	8399950988
128	Police Department	Sri. Karuna Kt. Das	Dy. S.P.(DSB)	9127058278
129	Police Department	Sri. Babul Ch. Nath, APS	DSP (DSB)	8811030604
130	Police Department	Sri. Sarab Ali, APS	DSP (Border)	9435140411
131	Police Department	Sri. Pritam Das	DSP, APRO	9435891993
132	Police Department	Reserve Officer, Kokrajhar	Kokrajhar	8811029087
133	Police Department	Sri Binanda Basumatary	Officer-in-Charge, Kokrajhar Police Station	7086682840
134	Industries Department	Satya Prakash Bhuyan	General Manager, DICC, Kokrajhar	9435115582
135	Trasnport Department	Dhajen Basumatary	DTO, Kokrajhar	8134005153
136	FCS&CS Department	Ajit Kutum	Jt. Director cum CHD, FCS & CA	9435383492
137	DIPRO Department	Sri Gagan Narzary	DIPRO, Kokrajhar	8136056934
138	AH & Veterinary Department	Dr. Raheswar Bora	Vety. Officer	7896742672
139	AH & Veterinary Department	Dr. B.R Kochary	SDVO, Parbatjhora	9401071506
140	AH & Veterinary Department	Dr. M.N Talukdar	SDVO, Gossaigaon	7002847241
141	AH & Veterinary Department	Dr.T.C. Basumatary	VO(Mobile), Kokrajhar	9957962193
142	AH & Veterinary Department	Dr. Jyotipad Das	DVO, Kokrajhar	9435329757
143	Soil Conservation	Sri Hemen Roy	Addl. Director cum CHD	9435306266
144	Soil Conservation	Sri. D.C. Pathak	ASCO, Kokrajhar	8721052887
145	Soil Conservation	Padmadhar Mili	DSCO, Kokrajhar	7002671084
146	Soil Conservation	Kulen Kr. Das	RO, Soil Conservation, Kokrajhar	6002633027
147	Fishery Department	Nilo Das	DFDO, Kokrajhar	7002505633
148	Fishery Department	Gobinda Basumatary	Asstt. Fishery Officer	9678212249
149	Handloom & Textiles	Hemen Nath	Asstt. Director H&T	9401801312
150	Handloom & Textiles	Gakul Brahma	Inspector H&T	8638372099
151	Town & Country Planning	Biren Swargiary	Dy. Dir T & CP, Kokrajhar	9435085566

152	Revenue	Samir Basumatary	BDO, Kokrajhar	9401304560
153	Revenue	Habibub Sheikh	BDO, Bilashipara	9706052753
154	Revenue	Bhupen Das	BDO, Hatidhura	9401937582
155	Revenue	Md. Abdur Rashid	BDO, Golakganj	7896398408
156	Revenue	Bimala Borgayary	BDO, Dotma	9678983540
157	Revenue	Sansuma Basumatary	BDO, Kachugaon	8812843035
158	Revenue	Deva Kr. Basumatary	BDO, Gossaigaon	9435322441
159	Revenue	Gobinda Kalita	BDO, Debitola	7002538244
160	Revenue	Shraraw Boro, ALRS	BDO, Rupshi	9873038336
161	DI & CC	Rohiteswar Narzary	Asstt Manager, DI&CC, Kokrajhar	9435026417
162	Employment Exchange	Dharma Kt. Das	Employment Officer, Kokrajhar	9864178666
163	Taxes	Diganta Kalita	Supdt. of Taxes, Kokrajhar	8638165613
164	Taxes	Dipen Das	Supdt. of Taxes, Kokrajhar	8723902103
165	Museum & Archeology	Supriya Brahma	CHD, Museum & Archeology	9864179323
166	Library	Sansumwi Boro	District Librarian	8876755388
167	Library	Sanjay Narzary	Library Asstt.	8472816795
168	Sericulture	Anjan Kr. Chakravarty	Asstt. Director of Sericulture, Kokrajhar	9435181586
169	Excise	Amarendra Nath	Supdt. of Excise, Kokrajhar	8822949981
170	Excise	Rizwan Islam	Inspector of Excise	9706938530
171	Sports	Pradip kr. Narzary	DSO, Kokrajhar	9101017374
172	Tourism	Jayanta Sarmah	CHD, Tourism	8486287564
173	Register & Co-Operatives Societies	Jayanta Kheketari	Dist. Register Officer	6002160456



DISTRICT KOKRAJHAR (ASSAM)

POPULATION DISTRIBUTION MAP



5 0 5 10 15 Kilometers

1 inch = 5 kilometers

Prepared By:
District Disaster Management Authority,
Kokrajhar
Drawing and Cartography By:
Anup Kumar Bhattacharjee, Field Officer (DM),
Bhawraguri Revenue Circle
Disclaimer: This Map is for graphical purposes only.
All effort has been made to ensure that the map is
accurate and reliable within the
limits of the current state of the art,
However Author do not own any responsibility
for the boundaries correctness or authenticity of the same.

Boundaries

- International_Boundary
- State_Boundary
- District_Boundary

Important Locations

- District_Headquarter
- Sub_Divisional_Headquarters
- ▲ Revenue Circles

Population in Revenue Villages

- Persons**
- Less Than 199
 - 200 - 499
 - 500 - 999
 - 1000 - 1999
 - 2000 - 4999
 - 5000 - 9999
 - 10000 and above

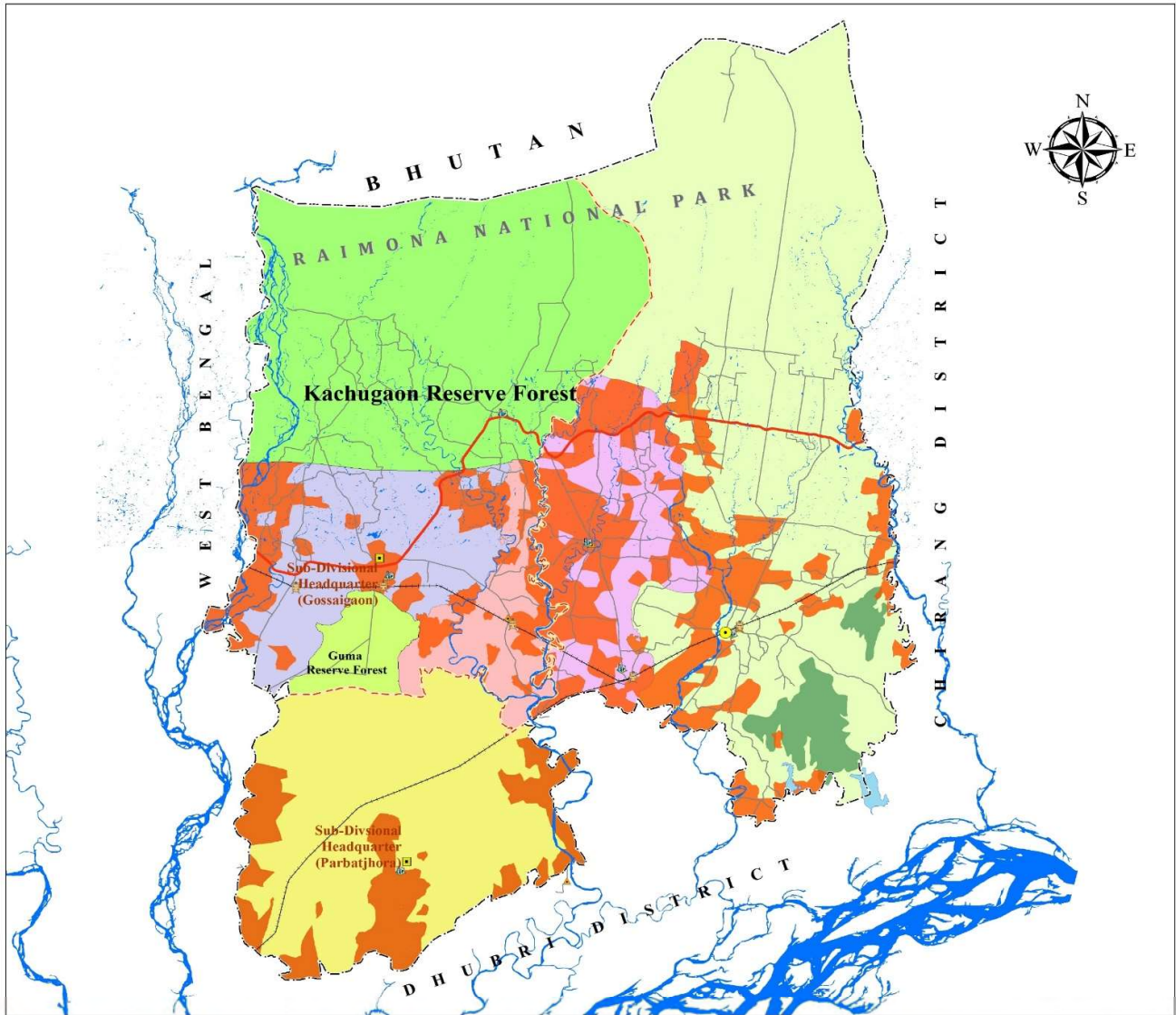
Population in Forest Villages

- Persons**
- 0 - 399
 - 400 - 899
 - 900 - 1499
 - 1500 - 2199
 - 2200 - 3999

Source of Data: Census of India, 2011

DISTRICT KOKRAJHAR (ASSAM)

MAP OF FLOOD VULNERABLE AREAS UNDER KOKRAJHAR DISTRICT



5 0 5 10 15 Kilometers

1 inch = 5 kilometers

Prepared By:
District Disaster Management Authority,
Kokrajhar

Drawing and Cartography By:
Anup Kumar Bhattacharjee, Field Officer (DM),
Bhawraguri Revenue Circle

Disclaimer: This Map is for graphical purposes only.
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accurate and reliable within the
limits of the current state of the art,
However Author do not own any responsibility
for the boundaries correctness or authenticity of the same.

Important Locations

- District_Headquarter
- Sub_Divisional_Headquarters
- Revenue_Circles
- Railway_Stations
- Police_Stations

Geographical Features

- Rivers
- Lakes
- Hills

Boundaries

- International_Boundary
- State_Boundary
- District_Boundary
- Sub_Division_Boundary

Communications

- Railway_Lines
- National_Highway
- PWD_Roads

Revenue Circle and Reserve Forest

- Guma_RF
- Kachugaon_RF
- Bagribari_RC
- Dotma_RC
- Kokrajhar_RC
- Gossaigaon_RC
- Bhawraguri_RC

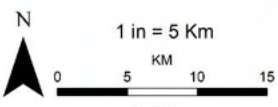
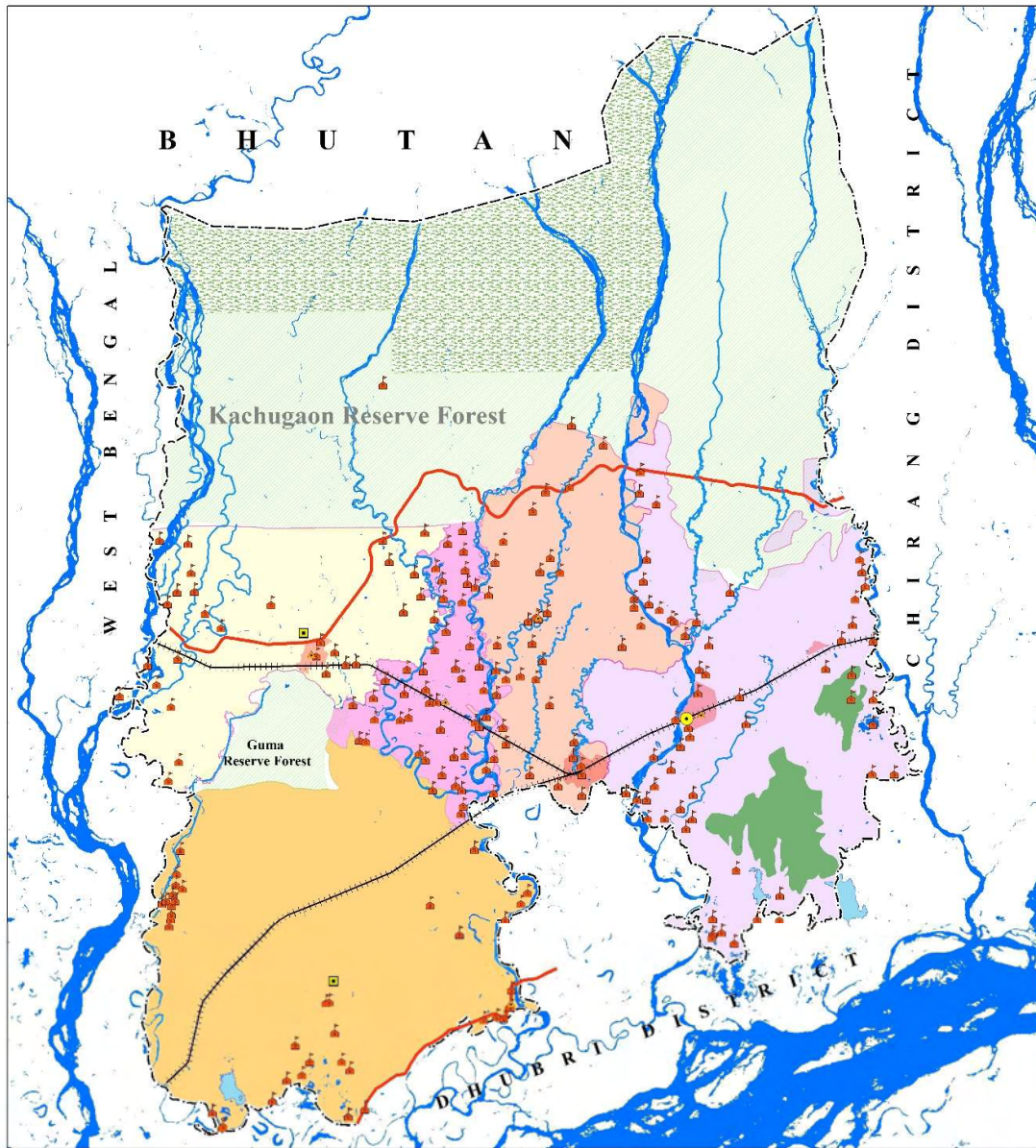
Flood Vulnerable Areas

Villages

- Vulnerable_areas

DISTRICT KOKRAJHAR (ASSAM)

EMERGENCY SHELTERS-2023



Map Source:
 Revenue Circle Maps, Open Street Maps, Shapfiles & KML files received from Forest Dept. Karim, Kampha, et al. "Global land use/cover with Sentinel-2 and deep learning." *IGARSS 2021-2021* 1949.
 International Geospatial and Remote Sensing Symposium, IETI, 2021.
 Relief Camp locations received from Revenue Circles.
 Prepared by:
 DIMA, Kokrajhar
 Team Involved:
 Clerk Officers, DPO, DEIMA, BDOs, Range Officer (Central Range)
 Field Officers (DM), Lal Mondol & Sk.
 Drawing and Cartography By:
 Anup Kumar Bhattacharya, Field Officer (DM)
 Bhawanipur Revenue Circle

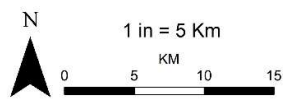
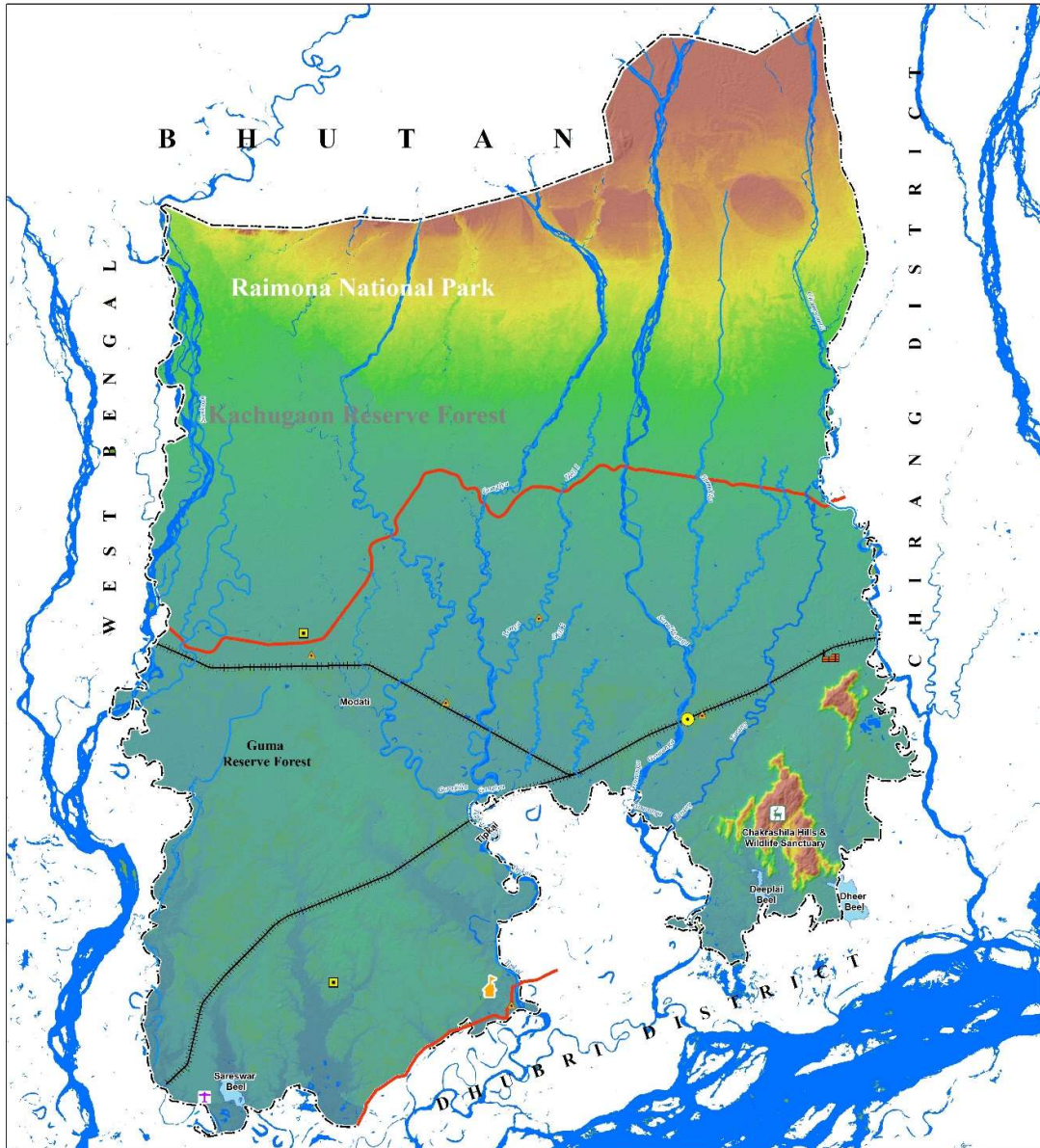
- | | | | |
|---|---|--|---|
| <p>Important_Locations</p> <ul style="list-style-type: none"> Sub_Divisional_Headquarters District_Headquarter Revenue_Circles Relief_Camps <p>National Parks & Forest</p> <ul style="list-style-type: none"> Raimona_National_Park Reserve Forest & Forest Divisions | <p>Boundaries</p> <ul style="list-style-type: none"> International State District | <p>Revenue Circles</p> <ul style="list-style-type: none"> Gossaigaon_RC Bagribari_RC Kokrajhar_RC Bhawanipur_RC Dolma_RC Town | <p>Geographical features</p> <ul style="list-style-type: none"> Rivers Lakes Waterbodies Hills <p>Communications</p> <ul style="list-style-type: none"> Railway_Lines National_Highway |
|---|---|--|---|

Disclaimer: This map is for general purposes only. It does not constitute a contract, but the map is made and is for the use of the Government of Assam. However, the Government is not responsible for the consequences arising out of its use.



DISTRICT KOKRAJHAR (ASSAM)

TOPOGRAPHIC & RIVER MAP



Map Source:
 Open Street Maps, Revenue Circle Maps,
 Survey of India, SRTM Data received from Forest Dept.,
 Karna, Komarpur, et al. "Global Land Use Land Cover
 with Sentinel-2 and Deep Learning."
 "IGARSS 2021-2023 II I I I."
 International Geosphere and
 Remote Sensing Symposium, IEEE, 2021.
 DEM Data: <https://srtm.csi.cgiar.org/>
 Accessed on: 04/03/2023
 Prepared by:
 DDM, Kokrajhar
 Item In-charge:
 Circle Officers, BDOs, DDOs, BMOs, Range Officers (Central Range)
 Field Officers (DMA), LAs, Moudas, & SK
 Drawing and Cartography By:
 Arun Kumar Bhattacharjee, Field Officer (DMA) Barsoypani Revenue Circle

Disclaimer: This Map is for graphical purposes only. All other has been made to ensure that the map
 is accurate and reliable within the limits of the current state of the art. However, Author do not own
 any responsibility for the boundaries or other information shown on this map.

Legend

Important_Locations

- District_Headquarter
- Sub_Divisional_Headquarters
- Revenue_Circles
- Chakrasila_Wildlife_Sanctuary
- Mahamaya_Mandir
- NTPC_Saikati
- Airport

Boundaries

- International
- State
- District

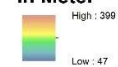
Communications

- Railway_Lines
- National_Highway

Geographical features

- Rivers
- Lakes

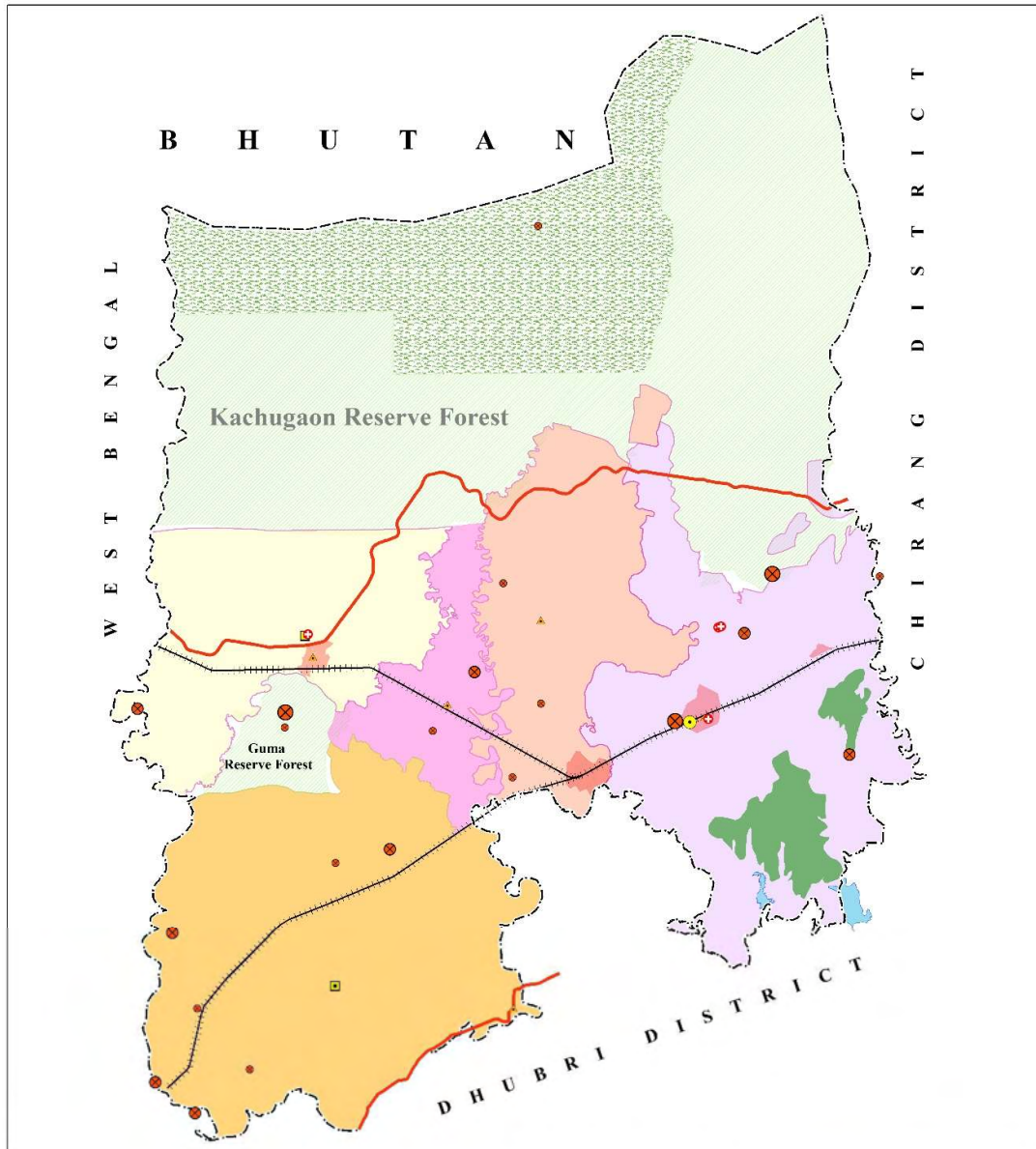
Elevation in Meter





DISTRICT KOKRAJHAR (ASSAM)

EARTHQUAKE STRIKES-2013-2023



Map Source:
 Revenue Circle Maps, Open Street Maps, Shapfiles & KMZ files received from Forest Dept. Kam, Kanya, et al. "Oldland land enclosed cover with Sentinel-2a/1 imagery bearing".
 * IGARSS 2021-2021 (19/9)
 International Geomatics and Remote Sensing Symposium (IGRS 2021)
 Relief Camp location received from Revenue Circles
 Prepared by:
 DRMA, Kokrajhar
 Team Involvement:
 Clerk, Officers, DPO, DEMA, BDCs, Range Officer (Central Range)
 Field Officers (DRMA, La. Mohandas & SK.
 Drawing and Cartography By:
 Anup Kumar Bhattacharya, Field Officer (DRM)
 Bhowagaon Revenue Circle

<p>Important_Locations</p> <ul style="list-style-type: none"> ● Medical_facilities ● District_Headquarter □ Sub_Divisional_Headquarters ▲ Revenue_Circles 	<p>Boundaries</p> <ul style="list-style-type: none"> --- International --- State --- District 	<p>Earthquake Magnitude</p> <ul style="list-style-type: none"> ● 2.6-3.5 ● 3.5-4.5 ● 4.5-5.8 	<p>Geographical features</p> <ul style="list-style-type: none"> ~ Lakes ~ Hills
<p>National Parks & Forest</p> <ul style="list-style-type: none"> □ Raimona_National_Park □ Reserve Forest & Forest Divisions 	<p>Revenue Circles</p> <ul style="list-style-type: none"> □ Gossigaon_RC □ Bapigaon_RC □ Kokrajhar_RC □ Bhowagaon_RC □ Debra_RC □ Town 	<p>Communications</p> <ul style="list-style-type: none"> + + + + + Railway_Lines — — — — — National_Highway 	

Disclaimer: This Map is for practical purposes only. All efforts have been made to ensure that the map is accurate, valid and reliable within the context of its use. The service provider or user does not accept any responsibility for the consequences or inaccuracy of the map.

Hazard: - Earthquake

Earthquakes in Kokrajhar District from 2013-2023					
Origin Time	Lat	Long	Depth	Magnitude	Location
2014-03-06 18:09:52 IST	26.25	90.14	10	3.5[ML]	82km N of Tura, Meghalaya, India
2014-05-30 12:07:51 IST	26.60	90.38	14	4.2[ML]	121km SE of Thimphu, Bhutan
2014-07-23 02:24:41 IST	26.13	89.90	10	4.0[ML]	74km NNW of Tura, Meghalaya, India
2014-07-23 04:28:30 IST	26.4	89.85	10	4.2[ML]	104km NNW of Tura, Meghalaya, India
2014-07-23 05:05:15 IST	26.15	89.87	15	4.2[ML]	78km NNW of Tura, Meghalaya, India
2014-10-30 09:17:56 IST	26.38	90.38	15	3.7[ML]	97km N of Tura, Meghalaya, India
2015-06-28 06:35:25 IST	26.40	90.25	5	5.6[ML]	98km N of Tura, Meghalaya, India
2018-01-20 06:44:27 IST	26.25	89.88	10	4.4[Mb]	88km NNW of Tura, Meghalaya, India
2018-09-12 10:20:46 IST	26.40	89.96	10	5.8[Mb]	101km NNW of Tura, Meghalaya, India
2018-09-13 22:53:35 IST	26.43	90.10	10	3.9[ML]	102km N of Tura, Meghalaya, India
2018-09-13 23:09:37 IST	26.50	90.4	10	3.5[ML]	111km N of Tura, Meghalaya, India
2019-08-06 01:38:55 IST	26.1	89.9	33	3.4	71km NNW of Tura, Meghalaya, India
2020-01-05 04:55:37 IST	26.2	89.9	10	3	82km NNW of Tura, Meghalaya, India
2020-01-05 04:55:39 IST	26.16	89.94	41	3.2[ML]	76km NNW of Tura, Meghalaya, India
2020-01-11 23:37:47 IST	26.3	90	15	2.7	89km NNW of Tura, Meghalaya, India
2020-07-16 13:09:30 IST	26.49	90.12	11	2.6	108km N of Tura, Meghalaya, India
2020-09-19 20:18:38 IST	26.24	90.15	10	3.8	80km N of Tura, Meghalaya, India
2021-03-13 02:21:37 IST	26.36	90.13	10	2.8	94km N of Tura, Meghalaya, India
2021-06-02 16:33:27 IST	26.41	90.15	5	2.8	99km N of Tura, Meghalaya, India
2021-07-07 08:45:24 IST	26.5	90.32	10	4.9[ML]	110km N of Tura, Meghalaya, India
2021-08-23 13:13:22 IST	26.31	90.04	10	4	90km N of Tura, Meghalaya, India
2021-08-23 13:13:24 IST	26.46	90.3	10	3.9[ML]	105km N of Tura, Meghalaya, India
2022-05-29 01:51:24 IST	26.39	90.07	17	2.9	98km N of Tura, Meghalaya, India
2022-08-23 14:26:18 IST	26.39	89.96	32	3.2[MW]	100km NNW of Tura, Meghalaya, India
2022-11-27 20:50:22 IST	26.73	90.14	10	2.9	96km SSE of Thimphu, Bhutan

Source: Official Website of National Center of Seismology

Hazard: - Thunderstorm

Revenue Circle	Hazard Type	Year of Occurrence	No of Affected Villages	No of Affected Household	No of Affected people	No of Deaths	No of Cattle lost
Bhawraguri	Thunderstorm	2017	33	661	3171	0	3
Kokrajhar			260	5879	29395	0	0
Dotma			346	12054	46694	0	2
Gossaigaon			46	1399	7005	0	0
Bagribari			4	0	550	0	0
Total			689	19993	86815	0	5
Bhawraguri	Thunderstorm	2018	34	786	3848	0	0
Kokrajhar			65	919	4595	1	0
Dotma			0	0	0	0	0
Gossaigaon			29	303	1215	0	0
Bagribari			0	0	0	0	0
Total			128	2008	9658	1	0
Bhawraguri	Thunderstorm	2019	1	0	0	0	0
Kokrajhar			60	1043	5215	0	0



Dotma			48	1557	5444	0	0
Gossaigaon			18	267	1335	0	0
Bagribari			0	0	0	0	0
Total			127	2867	11994	0	0
Bhawraguri	Thunderstorm	2020	47	1788	8474	0	0
Kokrajhar			15	2067	10335	0	0
Dotma			88	2487	0	0	0
Gossaigaon			15	458	1875	0	0
Bagribari			40	126	614	0	0
Total			205	6926	21298	0	0
Bhawraguri	Thunderstorm	2021	28	27	113	0	2
Kokrajhar			166	2489	12440	0	0
Dotma			94	1423	0	0	0
Gossaigaon			10	35	145	0	0
Bagribari			0	0	0	0	0
Total			298	3974	12698	0	2
Bhawraguri	Thunderstorm	2022	50	405	1986	0	0
Kokrajhar			55	1680	7990	0	0
Dotma			35	954	3300	0	0
Gossaigaon			8	1	5	1	0
Bagribari			4	0	560	0	0
Total			152	3040	13841	1	0
Bhawraguri	Thunderstorm	2023	20	53	234	0	0
Kokrajhar			8	50	3055	0	0
Dotma			69	1462	15820	0	1
Gossaigaon			100	2036	8259	0	2
Bagribari			9	0	4522	0	0
Total			206	3601	31890	0	3

Hazard: - Lightning

Revenue Circle	Hazard Type	Year of Occurrence	No of Affected Villages	No of Affected Household	No of Affected people	No of Deaths	No. of Cattle lost
Bhawraguri	Lightning	2017	1	1	3	0	2
Kokrajhar			0	0	0	0	0
Dotma			0	0	0	0	0
Gossaigaon			0	0	0	0	0
Bagribari			0	0	0	0	0
Total			1	1	3	0	2
Bhawraguri	Lightning	2018	3	3	6	1	0
Kokrajhar			1	3	3	1	0
Dotma			0	0	0	1	1
Gossaigaon			0	0	0	0	0
Bagribari			0	0	0	0	0
Total			4	6	9	3	1
Bhawraguri	Lightning	2019	3	3	10	1	0
Kokrajhar			3	3	3	1	0
Dotma			0	0	0	0	0
Gossaigaon			0	0	0	0	0
Bagribari			0	0	0	0	0
Total			6	6	13	2	0
Bhawraguri	Lightning	2020	1	0	0	0	1
Kokrajhar			2	2	2	1	0
Dotma			0	0	0	1	0
Gossaigaon			0	0	0	3	0
Bagribari			1	1	0	1	0
Total			4	3	2	6	1
Bhawraguri	Lightning	2021	3	6	1	0	2
Kokrajhar			0	0	0	0	0



Dotma			0	0	0	1	0
Gossaigaon			0	0	0	0	0
Bagribari			0	0	0	0	0
Total			3	6	1	1	2
Bhawraguri	Lightning	2022	8	1	21	0	2
Kokrajhar			4	0	0	0	8
Dotma			1	1	0	0	1
Gossaigaon			3	0	3	1	1
Bagribari			0	0	0	0	0
Total			19	2	27	2	13
Bhawraguri	Lightning	2023	3	0	3	1	2
Kokrajhar			4	0	0	0	5
Dotma			18	0	2	1	2
Gossaigaon			7	0	2	0	11
Bagribari			17	0	0	0	0
Total			39	0	9	2	31

Hazard: - Flood

Revenue Circle	Hazard Type	Year of Occurrence	No of Affected Villages	No of Affected Household	No of Affected people	No of Deaths	No of Cattle lost
Bhawraguri	Flood	2017	28	1590	8239	0	0
Kokrajhar			110	7796	41829	0	0
Dotma			200	16407	82492	0	0
Gossaigaon			35	64	18500	4	0
Bagribari			0	0	0	0	0
Total			373	25857	151060	4	0
Bhawraguri	Flood	2018	10	272	1468	0	0
Kokrajhar			0	0	0	0	0
Dotma			0	0	0	5	0
Gossaigaon			2	2	130	0	0
Bagribari			0	0	0	0	0
Total			12	274	1598	0	0
Bhawraguri	Flood	2019	98	17102	85510	0	0
Kokrajhar			96	9995	53901	0	0
Dotma			144	15978	72482	0	0
Gossaigaon			145	0	5901	0	0
Bagribari			0	0	0	0	0
Total			483	43075	217794	0	0
Bhawraguri	Flood	2020	3	43	230	0	0
Kokrajhar			0	0	0	0	0
Dotma			0	0	0	0	0
Gossaigaon			1	3	12	4	0
Bagribari			0	0	0	0	0
Total			4	46	242	4	0
Bhawraguri	Flood	2021	1	22	108	0	0
Kokrajhar			0	0	0	0	0
Dotma			1	3	15	0	0
Gossaigaon			0	0	0	0	0
Bagribari			0	0	0	0	0
Total			2	25	123	0	0
Bhawraguri	Flood	2022	54	6	17767	0	10280
Kokrajhar			74	1	22186	1	6542
Dotma			63	52	31826	0	1045
Gossaigaon			123	1	1989	0	0
Bagribari			128	0	23674	1	0
Total			442	60	97442	2	17867
Bhawraguri	Flood	2023	72	1	26	0	0
Kokrajhar			22	0	5312	0	0
Dotma			105	2	2550	0	645
Gossaigaon			156	0	831	0	0
Bagribari			29	0	0	0	0
Total			384	3	8719	0	645

Hazard: - Fire

Revenue Circle	Hazard Type	Year of Occurrence	No of Affected Villages	No of Affected Household	No of Affected people	No of Deaths	No of Cattle lost
Bhawraguri	Fire	2017	2	0	0	0	0
Kokrajhar			0	0	0	0	0
Dotma			0	0	0	0	0
Gossaigaon			0	0	0	0	0
Bagribari			0	0	0	0	0
Total			2	0	0	0	0
Bhawraguri	Fire	2018	3	1	9	0	0
Kokrajhar			0	0	0	0	0
Dotma			0	0	0	0	0
Gossaigaon			3	0	0	1	0
Bagribari			0	0	0	0	0
Total			6	1	9	1	0
Bhawraguri	Fire	2019	5	3	18	0	2
Kokrajhar			2	3	12	0	0
Dotma			0	0	0	0	0
Gossaigaon			0	0	0	0	0
Bagribari			0	0	0	0	0
Total			7	6	30	0	2
Bhawraguri	Fire	2020	1	1	5	0	0
Kokrajhar			1	3	18	0	0
Dotma			2	8	29	0	0
Gossaigaon			1	0	0	0	0
Bagribari			0	0	0	0	0
Total			5	12	52	0	0
Bhawraguri	Fire	2021	3	5	34	0	0
Kokrajhar			0	0	0	0	0
Dotma			0	0	0	0	0
Gossaigaon			4	0	0	0	0
Bagribari			3	2	0	0	0
Total			10	7	34	0	0
Bhawraguri	Fire	2022	14	21	53	0	0
Kokrajhar			6	31	0	0	0
Dotma			3	3	6	0	0
Gossaigaon			7	9	11	0	0
Bagribari			1	1	0	0	0
Total			31	65	70	0	0
Bhawraguri	Fire	2023	5	4	21	0	0
Kokrajhar			4	3	5	0	0
Dotma			1	2	7	0	0
Gossaigaon			5	21	46	0	0
Bagribari			0	0	0	0	0
Total			15	30	79	0	0



THANK YOU!