

# **District Disaster Management Plan For Dakshin Dinajpur District**

**2019-20**

**Prepared by:**

**District Disaster Management Authority**

**Dakshin Dinajpur, Balurghat**

**OFFICE OF THE DISTRICT MAGISTRATE**

**Dakshin Dinajpur, Balurghat, 733101**

## **:: F O R E W O R D ::**

Dakshin Dinajpur District having 2 Sub-Divisions comprised of 8 Blocks with co-terminus Police Stations and 3 Municipalities spreading over 2162 Sq. KM is a quite vulnerable District in the context of probability of incidence of Disasters .The district with one international boundary and 4 major rivers remains more or less prone to flood during monsoon.

Flood may cause extreme damage to human beings, land and property. This District, in the year 2017, had experienced a devastating Flood during the month of August which claimed valuable lives of 29 people and caused huge damage to houses, livestock, agricultural yields and other properties.

The topography of the District, being not far away from the Sub-Himalayan mountainous range, is in such a position that it often may get cut-off from the rest of the country during any large disaster and some of the Blocks remain inaccessible from the District Head Quarters for a considerable period.

Another typical geographical feature of the District is that all the major rivers flowing inside the district descending from adjacent country and crossing national boundaries pose a noticeable problem to the management of a band of water abutting on the land of this district. In this context, timely information sharing and early warning from Bangladesh authority regarding rainfall data are immensely required. However, in absence of such information and cooperation from neighbouring country, the problems of Risk Management may be aggravated to a great extent.

This Booklet has been prepared after updating the previous Disaster Management plan normally used as a handbook by all concerned, especially during emergency.

It is expected that all the officials of line departments and staff-members concerned directly or indirectly attached to the broader perspective of Disaster Risk Management will be able to combat any type of calamity with ease if they utilize this booklet, if situation ever arises.

**Balurghat**

**The 15th June, 2019**

**(Dr. Deepap Priya Palraj, IAS)  
District Magistrate  
& Collector, Dakshin Dinajpur.**

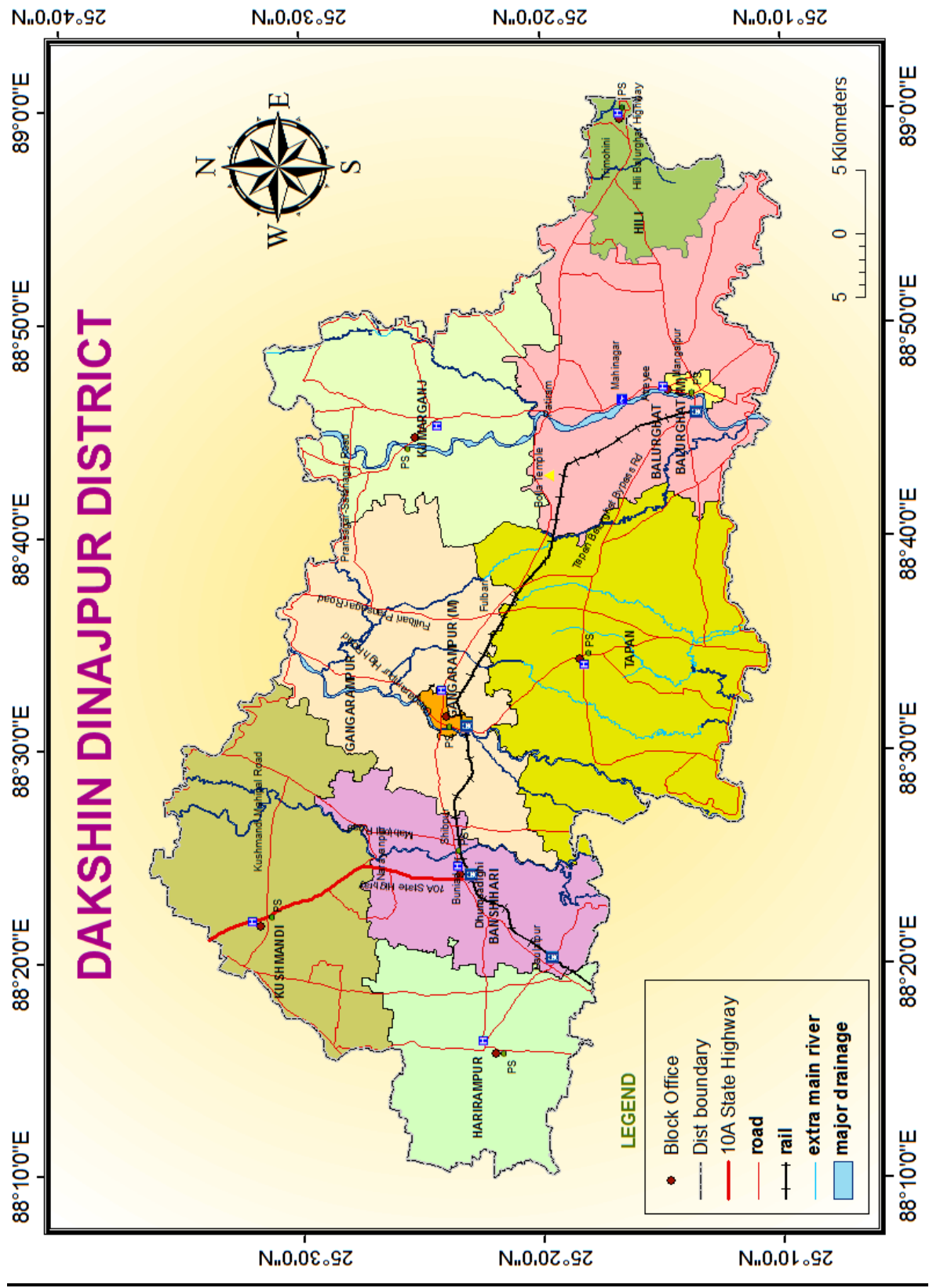
### Abbreviations Used in the Document

NDMA	National Disaster Management Authority
CEO	Chief Executive Officer
DHO	District Health Officer
DD	Doordarshan
DDMA	District Disaster Management Authority
DDMC	District Disaster Management Committee
DDMP	District Disaster Management Plan
DMT	Disaster Management Team
EOC	Emergency Operation Center
GOI	Government of India
IAP	Incident Action Plan
ICP	Incident Command Post
ICS	Incident Command System
IRS	Incident Response System
IDRN	India Disaster Response Network
IMD	Indian Meteorological Department
NDRF	National Disaster Response Force
NGO	Non Governmental Organization
NIDM	National Institute of Disaster Management
NSS	National Social Service
PHC	Public Health Centre
PWD	Public Work Department
QRT	Quick Response Team
RCC	Reinforced Cement Concrete
SOP	Standard Operating Procedure
POL	Petroleum Oil and Lubrication
SPM	Single Mooring Point
SCADA	Supervisory control and data acquisition
LPG	Liquid Petroleum Gas
MAH	Major Accident Hazard
LEL	Lower Explosive Limit
CMG	Crisis Management Group
MRC	Medical Relief Centre
ATC	Air Traffic Controller
IAAI	International Airport Authority Of India
NIC	National Informatics Centre
LECR	Local Emergency Control Room

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# MAP OF DAKSHIN DINAJPUR DISTRICT



## Chapter 1

### INTRODUCTION

#### 1.1 AIMS:

**“The basic aim for formulating a DDMP Plan is to ensure that the District Administration is prepared to handle any unprecedented situation that may arise in DakshinDinajpur District. The plan is essential to institutionalize Disaster Management in the District and to deal with future disasters in an efficient and effective manner.”**

The District Disaster Management Plan is the key part of an emergency management. It will play a significant role to address the unexpected disasters that occur in the district effectively. The information available in DDMP is valuable in terms of its use during disaster. Based on the history of various disasters that occur in the district, the plan has been so designed so as to make it an action plan rather than a resource book. Utmost attention has been paid to make it handy, precise rather than bulky one.

#### 1.2 Objectives of DDMP:

The basic objective of the District Disaster Management Plan is to protect the residents of the district and their properties from all sorts of untoward incidents amongst others as follows:

- To prevent loss of human life and property damage.
- To study, analyze and evaluate the disasters.
- To encourage a culture of Disaster Preparedness in the District.
- To identify the vulnerable locations and synthesize the vulnerability and risk analysis.
- To improve preparedness, prevention and mitigation at district level.
- To ascertain the status of existing resources and facilities available.
- To recommend appropriate strategies and responses to deal with future disasters.
- To prevent and minimize loss of human lives and property by gearing up preparedness, prevention & mitigation at district level.
- To develop convergence of action in addressing, preventing and mitigating disasters and to equip with maximum possible relief measures and to resort to pre-disaster during and post disaster steps.
- To assist line dept., Block administration, communities (NGOs, VBOs etc.) in developing & coping skills for disaster management.
- To impart training to create awareness, rehearsals, dissemination of knowledge, information & rescue measures etc. among all the citizens living in the district.
- To identify the occurrence and nature of disasters by analyzing the periodicity, intensity and extent of damages.
- To ensure full proof communication and supply of manpower, material, machinery and goods and other inputs and activate the same within the shortest possible time backed by minimum simple procedures, orders etc. at different levels by making optimal utilization of available resources without any hiatus, duplication or overlapping.
- To ensure fastest approach for rescue & evacuation, rehabilitation and recovery.
- To avert further miseries of the calamity-stricken people.
- To facilitate the mitigation process.
- To facilitate convergence of schemes.
- Regular updation of resources available in and around the district.

Essentially, communities draw their support from the existing social institutions, the administrative structures, and their values and aspirations they cherish. Disasters may temporarily disorganize these institutions and the administrative system and disrupt their lives built around these values and aspirations. A systematic effort to put back the social life on its normal footing, with necessary technology support and resources, will contribute significantly to the resilience of the community and nation. In pursuance of this policy, the District Disaster Management Plan addresses itself to strengthening the pre-disaster and post-

disaster responses of Emergency Support functionaries and stakeholders including the “victims” of the disaster.

## **1.2 Authority for the DDMP: Disaster Management Act 2005(DM act):**

(The DDMP is prepared as per provision provided in the DM act 2005 as it stipulates)

1. Every district must have District Disaster Management Authority Deputy Commissioner as the chair person District disaster management authority

The elected representatives of local authority who shall be co-chairperson as office. Provided that in tribal areas, as referred to in sixth schedule to the constitution the chief executive member of the district council of autonomous district shall be the cochairper ex office.

The member of DDMA are Superintendent of police, Chief medical officer ,DHO,Commandant of fire services, RTO and elected representatives also

2. The district authorities shall act as the district planning; coordinating and implanting body for disaster and take all measures for purpose of disasters management in the district in accordance with the guidelines laid down by the national and the state authority .

Prepare disaster management plan including district response plan for the district.

Coordinate and monitor the implementation of the National policy, State policy, National plan, State plan and District plan.

Ensure that the areas in the district vulnerable to disasters are identified and measures for the prevention of the disasters and the mitigation of its effects are undertaken by the departments of the government at the district level as well as by the local authorities.

Ensure that the guidelines for the prevention of disaster, mitigation of its effects preparedness and response measures as laid down by the National authority and the state authority are followed by all departments of the Government at the district level and the local authorities in the district.

## **The District Disaster Management Plan, Dakshin Dinajpur, has included-**

The areas in the district vulnerable to different forms of Disasters.

The measures to be taken, for prevention and mitigation of disaster, by the Departments of the Government at the district level and local authorities in the district;

The capacity-building and preparedness measures required to be taken by the Departments of the Government at the district level and the local authorities in the district to respond to any threatening disaster situation or disaster;

The response plans and procedures, in the event of a disaster, providing for-

Allocation of responsibilities to the Departments of the Government at the district level and the local authorities in the district;

Prompt response to disaster and relief thereof;

Procurement of essential resources;

Establishment of communication links; and

The dissemination of information to the public;

Such other matters as may be required by the State Authority.

The District Plan shall be reviewed and updated annually. The copies of the District Plan referred to in sub-sections (2) and shall be made available to the Departments of the Government in the district.

The District Disaster Management Authority, Dakshin Dinajpur, has sent a copy of the DDMP Plan to the State WEST BENGAL –WEST BENGAL State Disaster Management Authority, for final approval.

The DDMA, Dakshin Dinajpur, is reviewing time to time, the implementation of the Plan and issue such instructions to different departments of the Government in the district as it may deem necessary for the implementation thereof.

### **1.3 Evolution of the Plan in brief:**

Preparation of District Disaster Management Plan is responsibility of the District Disaster Management Authority of the District.

The main steps involved in the development of this plan are:

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

### **1.4 Stakeholders & their Responsibilities:**

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

1. Prepare a disaster management plan setting out the following, namely

- Provisions for prevention and mitigation measures as provided for in the District Plan and as is assigned to the department or agency concerned;
- Provisions for taking measures relating to capacity-building and preparedness as laid down in the District Plan;
- The response plans and procedures, in the event of, any threatening disaster situation or disaster;

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

3. Regularly review and update the plan; and

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

### **1.5 How to use the Plan:**

- Plans will work only in the case when present organizational structure is responsible to its non-emergency duties i.e. if a job is done well everyday; it is best done by that organization during emergency.
- Crisis should be met at the lowest and most immediate level of government. Plans call for local response supplemented if necessary, by the next higher jurisdiction.
- Voluntary response and involvement of the private sector should be sought and emphasized. The emergency management partnership is important to all phases of natural and man-made disasters.

### **1.6 Approval Mechanism of the Plan: Authority for implementation (State Level/ District Level orders):**

As per Section 31(2) of the Disaster Management Act 2005, there shall be a plan for disaster management for every district of the State. The DDMP, Dakshin Dinajpur has prepared its Plan by the District Disaster Management Authority.



Also, as per Section 31(6) of the Disaster Management Act 2005, the District Authority shall send a copy of the District Plan to the State Authority. The approved draft plan has been sent to West Bengal State Disaster Management Authority for final approval.

### 1.7 Plan Review & Update: Periodicity

As per Section 31(4) the District Plan shall be reviewed and updated annually. Also, as per Section 31(7) the District Authority shall review from time to time the implementation of the Plan and issue such instructions to different departments of the Government in the district as it may deem necessary for the implementation thereof. DDMP, Dakshin Dinajpur, is a dynamic document and being discussed annually in the meeting of District Disaster Management Authority, Dakshin Dinajpur.

### 1.8 General Introduction of Dakshin Dinajpur and Administrative Section:

Dakshin Dinajpur district is surrounded by Bangladesh of its 75% boundary in north, east & south side and by the district boundary of North Dinajpur and Malda at west and part south side for the remaining portion. Its geographical area is 2162 sq. KM. The district Head quarter is situated at Balurghat town. It comprises 2 (two) Sub-division, 1) one is Gangarampur at Buniadpur and 2) another is Balurghat (Sadar). 4 (four) Blocks under Gangarampur Sub – division e.g 1] Gangarampur, 2] Banshihari, 3] Harirampur, and 4] Kushmandi and four Blocks under the Sub-division of Balurghat e.g 1] Hilli, 2] Balurghat, 3] Kumarganj and 4] Tapan are located in this district. 8 (eight) Police Stations, 8 (eight) Panchayat Samities, 3 (three) Municipalities and 64 – Gram Panchayats having 975 Gram sansads are in this district. Other particulars are given in the district profile.

The climate of the district is hot summer with high humidity, abundant rainfall and cold weather. Summer being from the month of April. Monsoon commences from June and continues up to the last week of September. December and January are the coldest months. The annual rainfall of the district is about 1656 mm. Major rivers are – 1] Tangan, 2] Punarbhava, 3] Atrayee and 4] Jamuna in this district. Flood is caused generally by water logging and lack of proper drainage of flood waters.

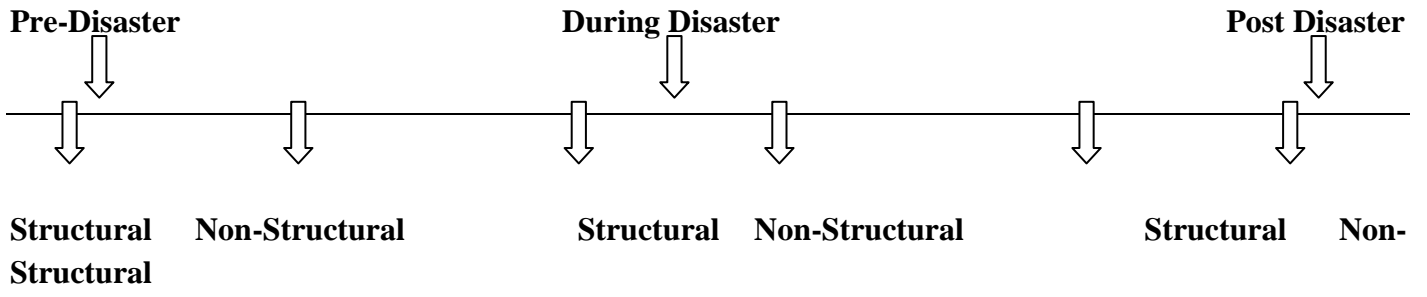
With the passage of time changes in the approach, method and execution of relief operations during natural calamities have taken place. In the earlier occasions, contingency plan for natural calamities used to be prepared normally for flood only; in case of other natural calamities like cyclone storm, hailstorm, drought etc. relief operations were carried out as and when required.

Now -a-days, there is a paradigm shift in the management of flood or any other Disaster from the earlier concept of Crisis Management to comprehensive Disaster Management plan. It is more or less holistic in nature and it involves all concerned departments, people's representatives and non-governmental organizations. Its character is multidisciplinary, participatory and community-oriented in implementation, management and monitoring of programmes.

The Disaster Management plan essentially has three stages, namely Pre-Disaster, During Disaster and post Disaster Management plan. Each of these stages is sub-divided into Structural Management plan and Non-Structural Management plan.

## DISASTER MANAGEMENT PLAN





Disaster Management comprises three components vize; Pre-Disaster, During-Disaster and Post Disaster Phases.

**Pre-Disaster** Activities will be Awareness Generation amongst the Stake Holders, taking up Preventive measures by Structural Management and Mitigation by evolving Warning System upto vulnerable localities, meticulous planning of Search & Rescue and Sheltering etc.

**During-Disaster** Activities will be Search Rescue Operation with the help of pre-identified and trained Local Volunteers, Civil Defence Volunteers and if needed BSF, NDRF and Army etc. Next activities will be Providing Shelters, First Aid if needed to the victims and thereafter arranging safe Drinking Water, Food, Medicine, etc.

**Post Disaster** It is the phase of Recovery, Rehabilitation and Reconstruction and thus more expensive. Sheltered population have to be rehabilitated in their respective villages by providing various Grants e.g. House Building Grant, Artisan Grant etc. Restoration of Electricity, Tele-Communication, Rail-Road connectivity and thereafter Reconstruction of Public Utilities, new developmental schemes aiming Disaster Risk Reduction (DRR) etc.

## Chapter 2

### Hazard, Vulnerability, Capacity & Risk Assessment (HVCRA)

**Meteorological / Climatological data**

Meteorological factors which govern the dispersion of leaked hazardous chemicals are wind direction and speed, temperature, humidity and rainfall. Since these factors fluctuate largely with time, it is essential to obtain the long term data and the trend while depicting the overall meteorological pattern. Climatological data for Dakshin Dinajpur is included in this document.

### Temperature:

Monthly mean of daily maximum temperatures ranges from 28.2 to 33.3 deg Celsius and monthly mean of daily minimum temperatures ranges from 20.8 to 25.1 deg Celsius.

### Humidity:

Average Water vapour pressure is highest in July and lowest in December. Mean monthly relative humidity is 80% in the morning and 74 % in the evening.

### Rainfall :

#### Rainfall in m.m. (From 1st June to 15th Oct) of last 10 years 2008

2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1137.08	1415.52	1155.1	1256.2	1039.99	1173.53	1206.77	1058.64	1391.5	764.1

### Wind Velocity

Wind speed in most of the days is below 20 KMPH. But gusts above 50 KMPH are also observed in association with thunder showers and active monsoon rains.

### Topography of the District:

1	Geographical Area	2162 sq. kms.
2	Gross Cropped Area	3,18,912,00 Hectare
3	Forest area	932 Hectare
4	Soil Group	Alluvial & Laterite
5	Road	400 Kms.
6	Mazor Rivers	4 nos
7	Net Sown area	193224 Hec.
8	Fallow land	1238 Hec.
9	Land not available	265513 Hec.
10	Cropping intensity	183%
11	Area under high yielding variety seed (paddy)	26125 Hec.
12	Total Mouza	1990 nos
13	Vulnerable Mouza	761 nos.
14	Rescue Center	354
15	No. Of Halipad	11
16	People likely to be affected (in flood)	7 Lakh
17	Country Boat available	151

### Demographics :

#### Population (2011 Census)

SL. No.	Demography of district	Figures
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1	<b>Population</b>	<b>16,71,131</b>
	<b>Male</b>	<b>855049 nos</b>
	<b>Female</b>	<b>815827 nos.(Other-55)</b>
	<b>S.C</b>	<b>28.78%</b>
	<b>S.T</b>	<b>16.12%</b>
2	<b>Literacy percentage</b>	<b>73.86%</b>
	<b>Male</b>	<b>79.63%</b>
	<b>Female</b>	<b>67.81%</b>
3	<b>Population density /sq.km</b>	<b>772.86</b>
4	<b>Population below poverty line</b>	<b>113227</b>
5	<b>Cultivators</b>	<b>189814</b>
6	<b>Small Farmers</b>	<b>39109</b>
7	<b>Marginal Farmers</b>	<b>101700</b>
8	<b>Agricultural Labourers</b>	<b>220344</b>
9	<b>Artisans</b>	<b>29730</b>
10	<b>Other Workers</b>	<b>171179</b>

#### Education:

1	<b>College</b>	<b>9 nos.</b>
2	<b>Higher Secondary School</b>	<b>90 nos.</b>
3	<b>High School</b>	<b>57 nos.</b>
4	<b>Jr. High School</b>	<b>73 nos.</b>
5	<b>Sr.Madrassa</b>	<b>04 nos.</b>
6	<b>High Madrassa</b>	<b>12 nos.</b>
7	<b>Primary School</b>	<b>1167 nos.</b>
8	<b>S.S.K</b>	<b>658 nos.</b>

#### THE POSITION OF MAJOR RIVERS IN THIS DAKSHIN DINAJPUR DISTRICT:

<b>Name of the river</b>	<b>Atreyee</b>	<b>Punarbhava</b>	<b>Tangon</b>	<b>Jamuna</b>
<b>Preliminary Danger Level</b>	<b>22.55 M</b>	<b>25.22 M</b>	<b>25.00 M</b>	<b>23.58 M</b>
<b>Danger Level</b>	<b>23.15 M</b>	<b>25.82 M</b>	<b>25.60 M</b>	<b>24.18 M</b>
<b>Extreme Danger Level</b>	<b>23.76 M</b>	<b>26.42 M</b>	<b>26.21M</b>	<b>24.80M</b>

#### Administrative Information:

1	<b>No. of Sub-Division</b>	<b>2 (Two)</b>
2	<b>No. of Blocks</b>	<b>8 (Eight)</b>
3	<b>No. of Police Station</b>	<b>8 (Eight)</b>
4	<b>No. of Municipality</b>	<b>3 (Three)</b>
5	<b>No. of Gram Panchayats</b>	<b>64 (Sixty four)</b>
6	<b>No. of Gram Sansad</b>	<b>972 (Nine hundred seventy two)</b>
7	<b>No. of identified backward villages</b>	<b>184 (One hundred eighty four)</b>
8	<b>No. of ICDS Centres</b>	<b>3231 (Running)</b>
9	<b>No. of Midday MealCentres</b>	<b>2231</b>
10	<b>No. of Health Subsidiary Centres</b>	<b>248 (Two hundred forty eight)</b>
11	<b>No. of Bank Branches including C.C.B &amp; A.R.D.</b>	<b>68 (Sixty eight)</b>

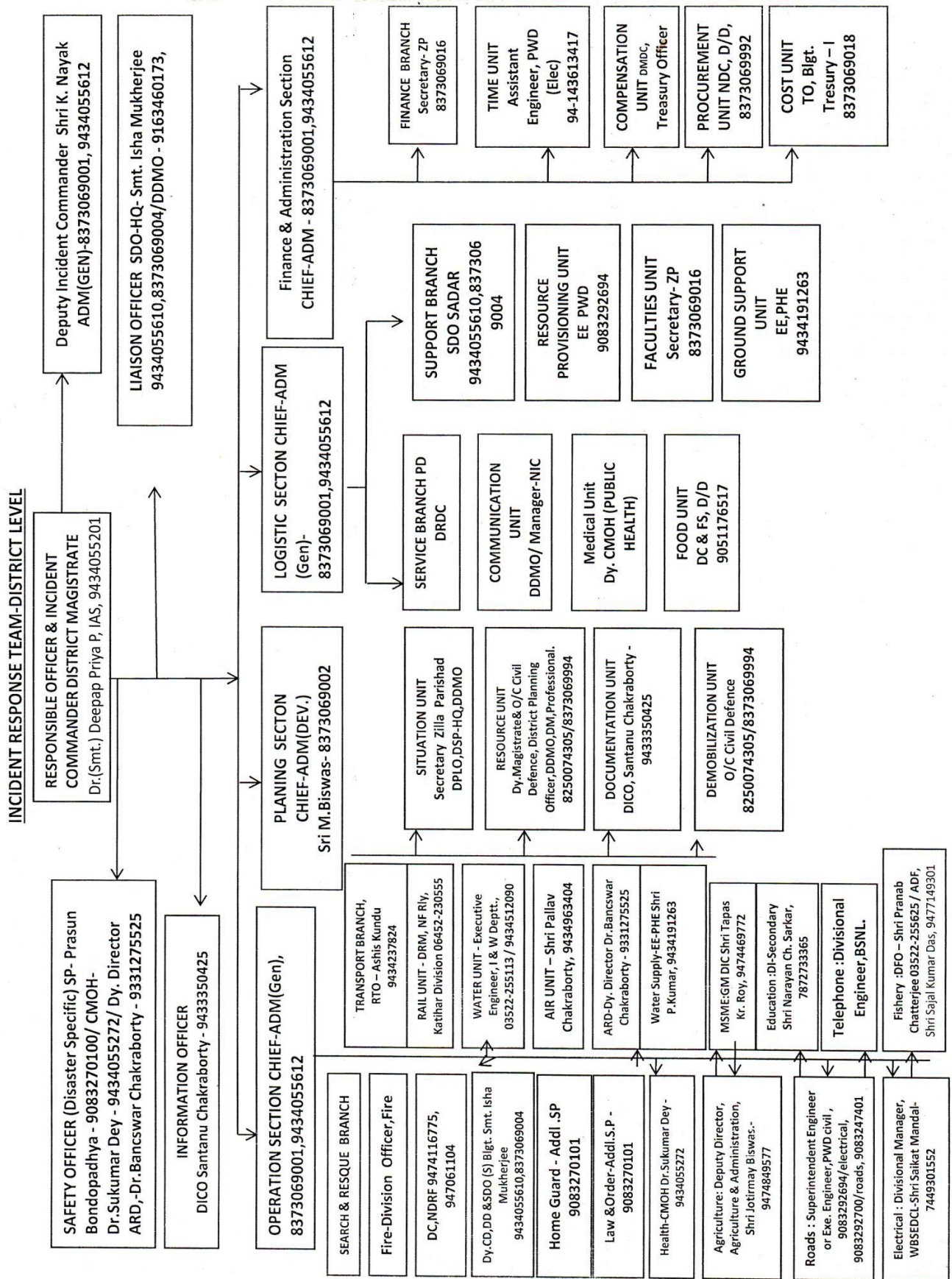
<b>S</b>	<b>Name of</b>	<b>Population</b>	<b>0 - 6 Population</b>	<b>Literacy</b>
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L	Block	Total	Male	Female	Other	Total	Male	Female	Other	Total	Male	Female	Others
1	Hilli	83760	42972	40784	4	7802	4011	3791	0	58557	32516	26039	2
2	Balurghat	246754	126638	120115	1	22632	11524	11108	0	167616	93554	74061	1
3	Kumarganj	169126	87201	81914	11	17951	9246	8705	0	114093	62895	51192	6
4	Tapan	248595	127604	120788	3	26491	13641	12848	2	154770	86023	68757	2
5	Gangarampur	237627	122989	114632	6	28749	14869	13880	0	151516	84747	66767	2
6	Bansihari	141297	72243	69054	0	16750	8540	8210	0	86779	48642	38137	0
7	Harirampur	133893	67631	66259	3	18202	9240	8962	0	76510	42728	33782	0
8	Kushmandi	198724	100294	98429	1	24935	12827	12108	0	115413	63866	51546	1
9	Balurghat Municipality	153049	76600	76430	19	9530	4842	4688	0	131679	67733	63962	4
10	Gangarampur Muncipaliti	56175	29097	27071	7	5165	2732	2433	0	43427	23577	19846	4
11	28 Bn BSF	1224	1049	175	0	80	47	33	0	1143	1004	142	0
12	57 Bn BSF	907	731	176	0	87	43	44	0	820	688	132	0
<b>Total</b>		1671131	855049	815827	55	178374	91562	86810	2	1102323	607970	494363	22

**Population (2011 Census):**

### Chapter - 3

## Institutional Arrangements of Disaster Management(DM)



### Chapter - 4

### Prevention & Mitigation Measures

#### 4.1 Introduction:

Disaster Mitigation contributes to lasting improvement in safety and is essential to integrate disaster management in mainstream planning. Broadly mitigation ways can be divided into two parts i.e. structural measures and non-structural measures. Structural measures are undertaken to strengthen buildings, lifelines and infrastructure to withstand any hazard. Non-structural measures emphasise on land-use pattern, programmes for sustaining awareness, dissemination of information, materials on do's and don'ts at the time of disaster. Once the area has been identified as hazard prone, it becomes important that the government and the community should practice these above-said measures. Based on this ideology, mitigation plan may vary according to hazards. Dakshin Dinajpur District is considered prone to disasters like lightning, fire & snake-bite related hazards.

#### 4.2 Disaster Mitigation Measures:

As it has been discussed in the previous chapters that district Dakshin Dinajpur lies in Zone I. Risk gets compounded when hazard meets with Vulnerabilities as high dense population, weak physical structures and conventional construction technologies. This district is vulnerable to high degree of lightning & snake-bite occurrences. Therefore it is important to consider both primary and secondary effects into disaster mitigation planning. So, an effective mitigation planning is necessary to reduce the risk involved in the district. For efficient disaster mitigation, the pre-disaster phase needs to be utilized for planning and implementing preventive measures on the one hand and working on preparedness activities on the other. Disaster is caused due to failure of manmade structures, lack of preparedness and awareness. So far, disaster mitigation efforts are mostly reactive.

#### Mitigation Measures:

Mitigation embraces all measures taken to reduce both the effect of the hazard itself and the vulnerable conditions too in order to reduce the scale of a future disaster. Mitigation aims at reducing the physical, economic and threats and the underlying causes for the vulnerability.

#### Structural Mitigation Measures:

Building should be strictly conformed to the building by-laws. For an existing building, retrofitting or seismic strengthening is the only solution to make it Disaster resistant. In the district all lifeline buildings such as major hospitals, schools, District Administration office and the vital installation shall be retrofitted. A panel of expert shall be approached for assessing the structure and to suggest the type of retrofitting required. Illegal construction, encroachments, unapproved additions, alterations etc of residential building and conversion of residential building into commercial purpose etc shall be checked by the concerned authorities with strict measures. These unauthorized activities may lead to disaster in that particular urban area. Mitigation measures should be an implementation part of DM Policy.

- Strengthening of life line buildings.
- Retrofitting of school and life line buildings.
- Preparation of DM Plan at the district, Block and Village level inclusive of all the schools in the district.

#### Sector wise structural mitigation measures

Sector	Mitigation measures	Responsible Department	Time Frame
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Information, education and communication	Distribution of leaflets, posters and wall painting. Awareness generation programme in schools and colleges, conducting various competitions and rallies. Organizing Staff development and refresher training to concerned dept, task force team, NGO and CBOs. Conduct Regular Mock drill, Plantation Programme.	District Administration	All the Year round (with regular intervals)
Road	Identification/ repair of main and alternative routes. Repair of vulnerable points. Conversion of Village roads to Pucca Roads.	PWD(Roads)	During normal Time
Embankments	Strengthening and raising the height of weak embankment points. Storage of flood fighting materials.	Irrigation Department	During pre flood season
Bridges	Regular maintenance of Bridges	Irrigation Department	During normal time

Communication	Ensuring proper maintenance of telephone, fax, WLL Phones wireless & VHA etc	BSNL, AIRTEL. VODAPHONE, RELIANCE, Dist Administration	During normal Time
Drinking water Sanitation	Assessment of running/defunct tube wells and making necessary arrangements, identifications of scarce water pockets, installation of water supply system. Identifications of submersible TWs and raising of its platform height. Arrangements of Tankers / Syntax tank	PHE	throughout the year
Power	Ensuring maintenance of electric stations and power grids. Completion of electrification throughout the block. Installation of solar lamps near flood and cyclone shelters and ensuring its maintenance. Ensuring proper and safe electric connections to the consumer and from electric stand posts/transformers.	WBSEDCL	throughout the year
Vaccinations	Procurement and stock piling of vaccines. Regular vaccination of domestic animals. Regular disinfection of wells and ponds.	District Animal Husbandry & Veterinary Deptt & PHE.	throughout the year
Logistics	Imparting trainings on health care, sanitation, insurance, first aid to medical staff as well as to the volunteers. Liaison with district administration for allotment etc.	CMOH	Pre & during disaster period

### Non-Structural Measures Land Use Pattern

Damage of buildings depends primarily upon the soil conditions and topology of the area which are moderately favorable in the district. Anyhow, to analyze risk within district microzonation planning should take place. It will help to guide modify land use planning in the district accordingly.

**Capacity Building and awareness generation**

Country have a very few experts in mitigation planning. We must focus our attention on the institutiona and manpower development at all levels. There is a need to train architects, engineers, planners and masons in developing safe housing and infrastructure facilities. Manuals have also been developed outlining methodologies for new constructions and retrofitting of oldones. A strong legal and enforcement framework with appropriate incentives and punitive measures is required together with awareness programmes for general public. All thesecomponents must be taken up simultaneously; ignoring one aspect for the other could be counterproductive.

**c. Insurance**

Insurance brings quality consciousness in the infrastructure and a culture of safety by insisting on following the building codes, norms, guidelines, quality materials in construction. It would enforce safety standards by bringing accountability. Hazardous area should be announced, notified and publicly displayed so that people would be motivated not to settle in those areas and insurance bemandatory in insurance prone areas

**Pre-Disaster Period:**

Preparation	Objectives	Action initiated by
Convening District Level Committee on natural calamity in the month of May	To suggest the list of relief works to be undertaken, advise on the precautionary measures to be taken, directions for stocking of food grains in strategic or key points.	District Emergency Operation Center
Identification of vulnerable points according to the expected disaster.	Repairing of breaches, stocking of the sand bags, alerting people near highly vulnerable pockets.	Executive Engineers
Identification & Indent of essential commodities for the inaccessible/scarcity pockets	Stocking of food grains and other essential things in GP headquarters	
Selection of Shelters	Arrangements for shelter during emergency	
Requirement of medicines, formation of mobile teams, identifying epidemic areas	Stocking of medicines and deputation of personnels.	
Arrangement of food and fodder for the cattle	Stocking of the same	
Organizing Mock drills	Awareness generation and practice	District level officers

**Immediate pre disaster:**

<b>Preparation</b>	<b>Objectives</b>	<b>Action initiated by</b>
Receipt of information	From IMD/SRC control room/DEOC	DEOC
Dissemination of information	From DEOC to all Concerned/BDOs/Line Depts.	DEOC, Head of line depts. SDOs,BDOs,EOs etc.
Immediate setting and operation of Control Room round the clock. Rescue and evacuation	To evacuate vulnerable people to identified shelters and logistic arrangements	Civil defence unit, police personals, armed forces, fire officers, red-cross team ready with rescue kits which are to be made available to them through the DEOC
Arrangement of free kitchen	To provide immediate feeding to the evacuated people	BDOs/CDPOs/NGOs
Sanitation and medicines	To prevent epidemics and infections	CMOH, Executive Engineer of PHE
Ensuring transportation of relief materials to affected pockets	To ensure that the relief materials reach in time to the affected people	SDO/BDO/EO/G.P.Secy.
Ensuring safety of life and belongings	To prevent anti-social activities	SP/DSP/Inspector and SI of the affected block/NGOs
Ensuring availability of safe drinking water, provision of health facilities and minimum sanitation	To check the onset of epidemics	Executive Engineer, PHE & CMOH
Meeting of field level officers in every 24 hours to review the situation	Better co-ordination	DDMC at district level and SDDMC at sub-divisional level
Collection of information by the core group of the EOC and daily reporting to concerned officers	Triangular linkage between field, district and state control room	Core group of EOC/Officers of line departments
Estimation of number of vehicles –Light/Medium/Heavy	To ensure smooth transportation for relief works	RTO
Arrangement of road cleaners/power saw and other essential equipments	To clean the roads, cut the fallen trees, clear the debris etc.	RTO, Executive Engineer PWD,CPWD.
Arrangement of trucks loaded with generators	To move to the field immediately after the disaster is over	Civil Defence

#### **During Disaster:**

<b>Objective</b>	<b>Action initiated by</b>
To rescue the trapped and injured persons	QRT Members, CD Volunteers & all the stakeholders
To mitigate the effects of the disaster	District Control Room, all Line Depts.,
To review the rescue and relief work	Civil Defence liaison with blocks.

#### **Post Disaster:**

<b>Preparation</b>	<b>Objective</b>	<b>Action Initiated by</b>
Distribution of relief as per provisions	To provide food and other essential commodities for survival	BDOs, EOs, NGOs
Assessment of Damage	To ascertain the exact loss for reporting to the govt.	All line depts., SDOs, BDOs,EOs, Executive Engineers,
Monitoring the relief operations organized by external agencies/ UN agencies/Red Cross / NGOs /Other States etc. by the dist. Authorities	To maintain uniformity of relief administration	District Magistrate
Restoration of communication – Roads & Railways	For timely and Prompt delivery/transportation of relief articles/deployment of rescue teams	Executive Engineers of concerned depts., Military and Paramilitary Forces, Police Personnel.
Restoration of electronic communication system	To ensure proper co-ordination linkage	BSNL, Technocrats of police signals
Immediate arrangement of free kitchen for the affected people	To avoid starvation	BDOs, EOs, NGOs
Documentation of the entire event-Written, Audio, Video	For reporting purposes and institutional memory	BDOs, EOs, NGOs
Monitoring	To review the relief works and remove the bottlenecks	DM,SDOs,BDOs, EOs

### **4.3 Measures to be Taken - NATURAL DISASTERS**

The natural disasters have widespread damage potential and may or may not come with prewarning. Hence the District Disaster Management Plan should be immediately activated to ensure minimum loss of life and property.

#### **Cyclone / Storm**

##### **Functioning of Control Rooms:**

- From the start of June, the control Room will be operational 24X7 at the District.
- During normal time control room should monitor the preparedness activities during predisaster, disaster & post disaster, dissemination of early warning on cyclone situation received from Revenue Authorities.
- Ensuring initiation of implementation of public health measures, monitoring trend of diseases and cope with any situation arising out of disaster.
- The line list of district QRT & block QRT with mobile No. of key nodal persons in the cut of areas should be available at district level.

##### **Preliminary Actions on alert signal from IMD, RMC Alipur, Kolkata:**

- Identification of likely affected areas
- The entire areas of Dakshin Dinajpur District are likely to be affected by cyclone depicted under High Damage Risk Zone – IV.
- After receiving alert from meteorological departments, broadcast & telecast the information about cyclone strike on Radio, TV channels and loud speakers mounted on Civil Defence Police Jeeps. Contact Police department and instruct them to inform general public in their respective areas (beats).
- Moving people from high risk areas to identified flood shelters, rescue shelters in lower risk areas.
- Arranging food, water and medicine at designated flood shelters, rescue shelters.

##### **Casualty Services & Contingency Plan for Medical Relief Centre:-**

- During disasters arrangements should be made to provide casualty services 24X7 at all health institutions.
- Contingency plan to open medical relief centers (MRC) at strategic places to be planned in advance. Those centers should be located at strategic places, so that they can render services to disadvantaged population where existing infrastructures are likely to be ineffective.
- Experiences on disasters like cyclone/flood epidemic should be shared for use a part of it & incorporate in the next year planning.
- Mobile Medical team should render the services regularly to displaced persons at their place of shelter and in marooned villages.
- Steps may be taken to make the people aware about the availability of services of 102 ambulances in the districts where ever it is available.

**Ambulance Services:**

Before Disaster	During Disaster	After Disaster
» Cyclone alert and warning at least 48 hours and 24 hours respectively before the commencement of the bad weather.	» Setting up of camp hospitals in the affected areas and deployment of mobile staff. » Mobilization of specialized equipment and machinery to affected areas » Arrangement for food, clothing, blanket / bedding, drinking water, sanitation and hygiene, lighting arrangements and essential medicines.	» Creation/ Retrofitting of structures – including roads, bridges that may have been destroyed/damaged due to the disaster. » Special attention to ladies, children and elders. » Arrangements for distribution of gratuitous relief and cash doles.

- All the Ambulances of different health institutions of the districts should be kept in readiness.
- Simultaneously, other vehicles have got to be repaired & kept in road worthiness as far as practicable so that they can be pressed in to service during emergency situation.
- In case of non-availability of institutional ambulances, the ambulances may be hired using Untied/ RKS fund of NRHM.
- Wherever 102 ambulance services are available it must be utilized for referral of case.

**Monitoring action during cyclone**

- Contacting the Fire Brigade Control Room and collecting details of phone calls received during the cyclone. This will help in assessing the magnitude of damage.
- Contacting Power Deptt. & instructing them to cut-off electric supply wherever there are overhead wires, to prevent short-circuiting and casualties due to electrocution.
- Contacting telecommunication department to assess any disruption in the network.
- Contacting Police to ensure that all roads are free from obstruction as far as practicable.

**Calling off emergency**

- Contacting IMD & RMC, Alipur, Kolkata and obtaining confirmation that the cyclone risk is over.
- Organising teleconferencing / meeting with the officials of Fire & Emergency Services and WBSEDCL & taking stock of the situation.
- Instructing the WBSEDCL authority to resume power supply safely region by region and give feedback.
- Broadcasting/telecasting "all clear" on radio/ TV respectively.

**Flood**

Floods are natural calamities that have the potential to cause widespread damage to human beings and property. Flood planning is perhaps the best protection against flood damage. Floods occur after a pre-warning, enabling advance action.

**Some of the important pre-actions are:**

- On receiving the flood alert information, the District Magistrate is in prompt readiness to issue a flood alert to the Superintendent of Police, SDOs, BDOs, Eos of Municipalities.
- The BDOs are to be asked to immediately appraise the people living in the low level areas about the possibility of flood.
- Informing general public about flood situation through radio broadcast or over local cable TV network.
- Additional District Magistrate in charge of Disaster Management co-ordinates with the Chief Medical Officer of Health.
- Ensuring through the BDOs that the complete evacuation of the locality / village in low-lying areas has taken place.
- The BDOs are to ensure that the flood shelters & relief centres have the basic amenities to prevent spread of diseases as well as provide first aid to the injured at the relief centre.

**Main actions during flood should be:**

- In the event of a flood / inundation due to incessant rains it should be ensured that the roads leading to the areas where the water accumulation is possible are completely cordoned off.
- All the entry points i.e. road entry points from the National Highway, should have names of villages and the areas which are inundated.
- In the event of flood or damage due to heavy rains the traffic suspension signal should be passed on to the neighbouring districts.
- The information should be relayed well in advance in order to prevent jamming of the road in any section of the National Highway / District Road.
- Apart from the road network being affected it is also likely that the train traffic could also get affected. In the event of the same, it should be ensured that information pertaining to the flood or damage to the bridge or inundation on the tracks alert should be relayed to the Divisional Railway Manager, North Frontier Railways, Katihar Division.
- Severing electrical supply to prevent electrocution

**Post Flood actions include:**

- Clearing of debris and carcasses of animals and dispose suitably, to prevent outbreak of epidemic.
- Re-establishing communication link and other services like electricity, transport.
- Introducing vaccination to persons against water borne disease.
- Inspect all road and rail bridges for worthiness before opening the same for general public.
- The railways should inspect the railway lines for their worthiness and for the relief train to pass.

<b>What should I do?</b>	<b>What supplies do I need?</b>	<b>What do I do after a flood?</b>
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<p>1. Listen to area radio and television stations for possible flood warnings and reports of flooding in progress or other critical information from the IMD/RMC, Alipur, Kolkata.</p> <p>2. Be prepared to get myself evacuated at a moment's notice.</p> <p>3. When a flood or flash flood warning is issued for my area, heading for higher ground and staying there should be my concern. Staying away from floodwaters.</p>	<p>1. Water at least for 3-days' requirement one gallon per person per day.</p> <p>2. Food at least for 3- days' requirement of nonperishable, easy-to-prepare food</p> <p>3. Flashlight Battery-powered or hand-crank radio Extra batteries</p> <p>4. First aid kit</p> <p>5. Medications (7-days' supply) and medical items (hearing aids with extra batteries,</p>	<p>1. Return home only when officials have declared the area safe.</p> <p>2. Before entering my home, glancing outside for loose power lines, damaged gas lines, foundation cracks or other damage.</p> <p>3. Parts of my home may get collapsed or damaged. Entrances to be approached carefully. Examining carefully if porch roofs and overhangs have all their supports.</p> <p>4. Watching out for wild animals</p>
<p>While coming upon a flowing stream where water is above my ankles, I should stop, turn around and go another way.</p> <p>4. While coming upon a flooded road while driving, I should turn around and go another way. Most cars can be swept away by less than two feet of moving water.</p> <p>5. Keeping children out of the water. They are curious and often lack judgment about running water or contaminated water.</p> <p>6. Should especially be cautious at night when it is harder to recognize flood danger.</p>	<p>glasses, contact lenses, syringes, cane)</p> <p>6. Sanitation and personal hygiene items</p> <p>7. Copies of personal documents (medication list and pertinent medical information, deed/lease to home, birth certificates, insurance policies)</p> <p>8. Cell phone with chargers</p> <p>9. Family and emergency contact information</p> <p>10. Extra cash</p> <p>11. Emergency blanket</p> <p>12. Map(s) of the area</p> <p>13. Baby supplies (bottles, formula, baby food, diapers) Extra set of car keys and house keys Extra clothing, hat and sturdy shoes</p>	<p>especially poisonous snakes that may have come into my home with the floodwater.</p> <p>5. If, natural or propane gas is smelled or a hissing noise is heard, it is wise to leave the place immediately and call the fire department.</p> <p>6. If power lines are down outside my Home, I should not step in puddles or standing water.</p> <p>7. Children and pets should be kept away from hazardous sites and floodwater.</p> <p>8. During cleanup, wearing protective clothing, including rubber gloves and rubber boots must.</p> <p>9. Contaminated water should not be used to wash dishes, brush teeth, prepare food, wash hands, make ice or make baby formula.</p> <p>10. Contact be made with local Doctors for specific recommendations for boiling or treating water in my area after a disaster as water may be polluted.</p>

## Drought

### Drought Management:

#### **Drinking Water**

- There should not be shortage of drinking water
- Drilling rigs should be deployed over drought affected areas for digging adequate no. of wells at strategic points.
- Tankers with potable water should be provided to the affected rural areas making 3-4 rounds during the day.
- Installation and repairing of Hand Pumps

#### **Contingency Crop Plans**

- Choosing suitable crops/crop varieties
- Alternative crop strategies
- Agriculture Officer should seek out contingency plan from the Ministry of Agriculture and provide awareness to the farmers.

#### **Livestock Management:**

- Herds of sheep and goats recover fast, but cattle, buffaloes etc. grow slowly in numbers
- Department of Animal Husbandry should ensure the provision of adequate fodder for protection of livestock
- Farmers can use sugarcane husk, sunflower heads, groundnut/red gram/green gram etc. as cattle feed

#### **Drought Proofing:**

- Harvest rain, involve communities, move from 'drought management' to 'monsoon management'
- Building of dams and irrigation systems
- Revive and strengthen traditional knowledge in water harvesting and conservation if possible.
- If the runoffs of forest areas, mountains and other uninhabited terrain can be harvested, the potential for rainwater harvesting is enormous.
- Making available adequate no. of tanks/ponds in villages for recharging ground water
- Village scale water harvesting must be put higher priority as running water gets lost in huge amount due to evaporation, infiltration into soil etc.
- A large no. of micro catchments (E.g. 0.1 hectare) provide larger amount of rainwater harvested than a larger catchment though the land area remains the same.

#### **Drought Measures:**

- Strengthening of long range, medium range and short range forecasting of monsoon by IMD at Meteorological Sub-Division, District and Block level.
- Artificial recharging of ground water, watershed programmes in privately owned small/marginal farms, laying of pipes/channels for exclusive transportation of water to dry areas.
- Programme for reconstruction and preservation of traditional water harvesting structures, construction of canals for transportation of water from surplus to non-surplus areas, establishment of cost-effective drip/sprinkle irrigation practices etc.
- Ensuring provision of medicines and critical health care in the risk prone areas during drought for humans and animals.



Before Disaster	During Disaster	Post Disaster
1.Dams/reservoirs and wetlands to store water 2.Construction of warehouses and cold storages for preservation / storage of food grains 3.Water rationing 4.Proper selection of crop for droughtaffectedareas 5.Watershed management 6.Education and training to the people 7.Participatory community programmes 8.Reducing deforestation and fire-wood cutting in the affected areas	1.Ensuring prompt availability of food grains and fodder 2.Ensure availability of drinking water and water needed for basic needs 3.Mobilise district level plans in terms of releasing additional funds to improveirrigation 4.Ensuring prompt supply of inputs like seeds, fertilizers and credit	1.Improvement in agriculture through modifying cropping patterns and introducing drought-resistant varieties of crops 2.Animal husbandry activities can help in mitigation with use of improved and scientific methods 3.Arrangements for distribution of gratuitous relief and cash doles

### Earthquake

Earthquakes present unique problems as they upset the complete infrastructure necessary for rescue and restoration of normalcy. For example, it could prevent emergency personnel from reaching victims, it increases the risk of fire and electrical shock, could result in complete failure of the telephone and other communication systems, disruption of water supply for firefighting / other reasons, and increases the possibility of burst pipelines carrying petroleum oils. It could, in addition, prevent ambulances from evacuating victims, fire personnel from reaching the fire affected areas, result in major structural debris causing secondary damage and most importantly, could affect the entire emergency organization that is geared up for handling emergencies. The main actions for earthquake incidents include preventive (pre-incident), during incident and post incident actions. Each earthquake, depending upon its intensity (as measured on the Richter/ modified Mercalli Scale) would have different extent of damage.

**Some of the pre-actions that are important include:**

- Basic earthquake related training to staff (behavior during earthquake, how to recognise, dos' and don'ts)
- As blackout is possible, a kit containing flashlights, portable radio, basic tools, should be available for emergency.
- Basic precautions such as sitting away from wall, hanging items, bolting of almirahs to the wall rather than loosely lying cupboards, pasting tape to the glasses to avoid excessive shattering.
- Application of science and technology and engineering inputs to improve building design, construction and sitting
- Conducting extensive public awareness programme and dissemination of information about risks, preparedness and mitigation measures
- Installing devices that will keep breakages in electrical lines and gas mains from producing fires

**Actions immediately after tremors:**

Actions during an earthquake would depend upon the severity of the quake and the extent of damage-however, the basic steps for safeguarding life safety (top most criterion) include: Activation of the fire orders, for fires are likely in case of major earthquakes. Pipelines would be expected to rupture as also storage tanks - this would result in a large-scale spillage and possible fires. The fire fighting system is likely to be incapacitated. In addition, power supply may be (most likely) cut off.

**The main action would involve:**

- Stopping any pumping of oil from ship tankers say in NMPT, if in progress
- Stopping oil pumping through the Mangalore-Bangalore pipeline from the main control room.
- Cutting off the power supply (if not cut off on its own already) to avoid electrical shocks, fires, etc.
- Halting any road / rail tanker filling operations, if in progress.
- Sending away road tankers to safe zones.
- Any major oil spillage could also overflow the dyke walls and spread around. Halting or minimising this flow of oil may be attempted where practical and without endangering human life.
- Setting up of a call-receiving centre in addition to the DECR.
- Flashing the telephone number over the local cable TV as well as the Doordarshan Channel.
- Issuing a warning over the Radio regarding the earthquake and the future possibility of after shocks.
- Rushing rescue team to affected area to retrieve entrapped persons with the means available.
- Rushing the injured to hospitals
- Getting feedback from the Municipal Corporation regarding the affected areas and Colonies.
- Getting a feedback from the District Education Officer on the conditions of the schools
- Calling all the doctors and putting them on Standby alert.
- Recalling all the vehicle of the district and using them for reaching the various affected areas.
- Interacting with the Red Cross organisation for mobilising the doctors in **Dakshin Dinajpur**.
- Contacting the DG set operators and asking them to be on Standby for supplying the generators.
- Dispatching the Police units to the worst affected areas.
- Requesting the Army to help in the relief operations.
- Getting the searchlight operators to supply the searchlights.
- Tents and Plastic sheets suppliers should be contacted to keep the same ready.
- Medical Outpost should be set up near the affected area with
- The Triage area should be marked clearly so as to enable the ambulance staging
- The fire tender approach area as well as the other relief material vehicle area should also be identified
- All the approach roads to the major collapsed structures should be kept / made free.
- Crack teams should be identified which have probe Cameras for locating the dead and the injured in the rubble
- Sniffer dogs should also be called from the neighbouring district to locate the injured
- Concrete cutters should be brought for cutting through the concrete rubble to reach the injured in the collapsed building(IDRN updated list should be followed.)
- The highway should be sealed.
- Setting up of field hospitals in the affected areas and deployment of mobile hospitals
- Arrangement for food, clothing, blanket / bedding, drinking water, sanitation and hygiene, lighting arrangements and essential medicines
- Mobilization of specialized equipment and machinery to affected areas
- Cordoning off affected areas with control of entry and exit
- Establishment of Temporary shelters for evacuees
- Setting up of field hospitals in the affected areas and deployment of mobile hospitals
- The neighbouring district administration should be informed about the disaster
- The power supply should be immediately cut-off in the affected areas
- The water mains should be blocked to ensure that the collapsed structures do not get flooded as a result of breakage of water pipeline.
- Information should be gathered from the Civil Hospital about whether it has suffered any structural damage or weakening.
- All the private clinics / hospitals should be asked to keep the beds empty so as to ensure that the patients can be received for medical treatment.

**For general public, important instructions should include:**

- Get under a heavy table or desk and hold on, or sit or stand against an inside wall if inside the building and if unable to come out. If possible to come out without difficulty, assemble outside the building to avoid fatality due to structural collapse.

- Keep away from windows as these may shatter/crack resulting in possible injury.
- If outdoors, stay away from tall objects (lighting poles, pipe racks, structural roofs) falling debris, trees and power lines.
- Tanker Trucks drivers should drive to a clear spot and stay in the vehicle.

### **Post-earthquake actions:**

Post-earthquake actions are extremely important and these include:

- Cleaning up of the debris and rescue of people who are alive
- Making arrangement for the Morgue
- Siting in the open area where the tents can be put up
- Aftershocks apprehended. They are just as serious as the main earthquake.
- Putting on shoes to protect from broken glass, chappals are to be avoided at any cost.
- Checking for casualties and fires (secondary fires could be raging).
- Using a flash light to inspect for damage.
- Should not go into damaged areas unless specifically trained to do so.
- Should not use telephones except in emergencies.
- Should not use vehicles except in emergencies.
- Using a portable radio for obtaining information
- Assisting in rescue of co-workers and other persons who could be present at the installation as per the Fire Orders.
- Restoration of basic infrastructure facilities, for example, ports, airports, power stations etc.
- Identification of the trauma cases and counselling them appropriately
- Special attention to ladies, children and elders
- Arrangements for distribution of gratuitous relief and cash doles
- Identification and demolition of dangerous structures in the affected areas to minimize further loss of life and injuries.

### **Forest Fire**

Historically there have been no major forest fires in the district except for few bush fires in the densely forested areas of Belthangady, Puttur and Sullia taluk's. Precautionary measures are taken during summer months by appointment of temporary fire watches in vulnerable areas. All the roads through forests are maintained with a clearance of 4 metres on either side. In an unlikely event of a forest fire in Dakshin Dinajpur District, following broad guidelines is to be followed:

- On an intimation of forest fire, an aerial survey should be carried out.
- Estimate burning / fire spread and evacuate people dwelling in the vicinity.
- After aerial surveillance, identify the area for creating fire breaks. Spread of fire can be controlled by cutting /eliminating vegetation and spreading with mud/sand.
- Cool the fire break area with water.
- Take necessary assistance from home guard, army, and airforce depending upon the intensity of the fire.

### **Chapter 5**

## Preparedness Measures

### 5.1 Introduction:

Disaster causes sudden disruption to the normal life of society and causes damage to the properties and lives to such an extent that normal social and economic mechanism available to the society get disturbed. Those who are unaware and unprepared generally get affected more due to their lack of knowledge and physiological pressure. Hitherto, the approach towards coping the effects of disasters has been post-disaster management, involving many problems related to law and order, evacuation, communications, search and rescue, fire-fighting, medical and psychiatric assistance, provisions of relief and shelters etc. After initial trauma next phase starts with long-term reconstruction planning which takes about 5 to 6 years to normalize the life-style in a particular area. In view of these problems the district administration, has prepared a comprehensive plan. The plan basically detailed out preparedness strategy under which communities and district authorities would be prepared so that level of destruction and unnecessarily delay in relief and response can be reduced. The preparedness measures include setting up disaster relief machinery, formulation of community preparedness plans, training to the specific groups and earmarking funds for relief operations.

### 5.2 Identification of Stake Holders involved in Disaster response in Dakshin Dinajpur:

SLNO	Stake Holders	List
1	Government ministries, Departments and agencies:	<ul style="list-style-type: none"><li>. Department of Police</li><li>. Zilla Parishad</li><li>. Forest Dept</li><li>. District Health and Family welfare</li><li>. Deputy Director food and service</li><li>. Fire services,</li><li>. DD Fisheries</li><li>. Deputy Director Sericulture</li><li>. Animals &amp; Husbandry</li><li>. Agriculture</li></ul>
2	Disaster – prone\communities	
3	Other Basin communities	
4	Scientific Institutions	
5	Registered NGOs	Red Cross,Lions Club
6	Voluntary Organizations	IAG, Dakshin Dinajpur
7	Others	

### 5.3 Components of Administrative Preparedness:

Administrative preparedness is another very important issue which helps in reducing relief and response time in a disaster situation. Preparedness plan is based on below-given components.

- Operation readiness of facilities, equipments and stores in advance
- Maintaining response inventory of equipments and materials required for response
- Assignment of responsibilities to agencies and organizations
- Management training of crisis group members, desk officers and officers of respective departments likely to be assigned management duties
- Specialized trainings of district disaster committee members, officials, community organizations through seminars and workshop
- Training of taskforces
- Raising community awareness
- Improving response mechanism through conducting practice drills etc
- Annual updating of District and community level plans

#### **5.4 Response & Evacuation of disabled – availability of assistive devices And technologies:**

India has a large constituency of persons with disabilities and other vulnerable groups who are presently excluded from emergency planning and response services due to lack of adequate accessible infrastructure and trained manpower. In India alone, as per to 2001 census, there are around 2.19 crore disabled people, constituting 2.13 % of the total population of the country (Disability India Information Resources, 2007) However, this figure can be estimated to be lesser than the actual due to large spread and prevalent under reporting. It is Imperative that the Government of India, through the NDMA adopt measures to remedy situation.

India has a broad legal framework which requires emergency services and resources to be made accessible for persons with disabilities. Part III of the Constitution of India, which deals with the fundamental rights of citizens, recognizes the principle of equality of all people.

**Information and Communications Technology (ICT) tools** that can be used for forecasting as well as imparting timely warning of disasters. The scope of this section needs to be broadened to include information and communications technologies which are accessible.

#### **5.5 Activation of Incident Response System in the district :**

The Incident Response System (IRS) is an effective mechanism for reducing the scope for adhoc measures in response. It incorporates all the tasks that may be performed during DM irrespective of their level of complexity. It envisages a composite team with various Sections to attend to all the possible response requirements.

## **CAPACITY BUILDING AND TRAINING MEASURES**

### **6.1 Training:**

One of the main features of the District Disaster Management Plan is the training to all the personnel identified in the emergency organisation as well as bringing about awareness in the general public who may be affected by any disaster.

The following functional aspects have to be included in a training programme.

- Initial Notification
- Communication
- Public Alert and Warning
- Fire and Rescue Services
- Emergency Public Information
- Evacuation
- Protective Shelter
- Enforcement of Law and Order (Police Services)
- Public Works and Resource Services
- Recovery / Re-entry

### **6.2 Emergency Response Training:**

Extensive planning will be effective only if people are properly trained in all aspects of the plan, the role in its implementation, and how the tasks are to be co-ordinated. The development and conduct of a training program for the emergency organisation is vital to emergency preparedness. Emergency response teams and medical personnel must all be trained. Classroom type lectures, demonstrations, and participation in exercises that test the adequacy of the plan are essential to maintenance of a well-prepared team of emergency response personnel. To minimise the extent of the training needed, the emergency organisation position has been developed so as to keep the emergency duties parallel to the individual's day-to-day responsibilities wherever possible. Initially, the in charge of emergency services like the Fire Chief or Police Chief would be the head of the first responder organisation. However, as the full emergency response organisation is deployed, the responsibility and function of the Emergency Management Co-ordinator is transferred to the Deputy Commissioner of the district.

It is the responsibility of the district administration to identify the training needs of the various members of the emergency organisation. It is best achieved by comparing the normal duty of the person and the duties he is expected to carry out during any emergency.

One weakness common to many training programs is the inadequate attention paid to personnel changes in the emergency organisation through local transfers and new appointments and transfer of personnel. Training for volunteer emergency responders like Home guards and other social service organisation also presents more difficulties than for paid full-time emergency workers, because of the time restrictions and lack of funds.

The goals of any training program are to ensure that participants obtain a thorough understanding of their plans and procedures, and develop the leadership and communication skills necessary for confident decision making during stressful situations.

A well-developed and coordinated training program is required. Co-ordination of training programs conducted by corporate, plant, local, and possibly State organisation is recommended, to avoid costly duplication of effort. The frequency of emergency response personnel training greatly influences the capability to respond during a test or actual emergency.

The main elements of a good training program are:

- The development of training program goals.
- The identification of target (common) training groups
- The establishment of group-specific, task-oriented training objectives
- The preparation of student training manuals and visual aids.

- The preparation of individual lesson plans, including hands-on experience, if appropriate.
- The establishment of a training schedule.
- The evaluation and correction of the training program.

A good training program provides initial training for all tasks, it should provide periodic refresher training for those who have been given the initial training, and also should provide for the training of new personnel who may be inducted from time to time

### **6.3 Community Awareness and Community Preparedness Planning :**

The hazard analysis of the district indicates that there is a high need of community awareness through public awareness programmes on the following themes of disaster:

- Types of disasters and basic do's and don'ts related to those disasters
- Post disaster epidemic problems
- Construction and retrofitting techniques for disaster resistant buildings
- Communication of possible risk based vulnerable areas in the district
- Evacuation related schemes and community preparedness problems

Volunteers and social organizations also play a vital role in spreading mass scale community awareness. Media can also play an important role in raising awareness and educating people.

Community Disaster Management Planning is one of the vital components of community preparedness. It involves all important parameters related to hazard awareness, evacuation planning, resource inventory, community level taskforces and committees etc which helps community members in organizing themselves to combat disaster in a pre-planned manner. Preparation of community plans encourages promotes preparedness planning at community level.

### **6.4 Conducting of Mock Drills:**

As per Section 30 (2) (x) of DM Act 2005, the District Authority shall review the state of capabilities for responding to any disaster or threatening disaster situation in the district & give directions to the relevant departments or authorities at the district level for their up gradation as may be necessary.

As per Section 30 (2) (xi) of DM Act 2005, the District Authority shall review the preparedness measures & give directions to the concerned departments at the district level or other concerned authorities where necessary for bringing the preparedness measures to the levels required for responding effectively to any disaster or threatening disaster situation.

Awareness Generation, prevention and mitigation measures, raining and Capacity Development,Conduction of Mock Drills are vital activities to be covered under Pre Disaster Phase of the Disaster Management Cycle. Mock-drills help in evaluating response and improving coordination within various government departments, non-government agencies and communities. They help in identifying the extent to which the SOPs and Plans are effective and also aid in revising these if required. These drills enhance the ability to respond faster, better and in an organized manner during the response and recovery phase.

Drills/Simulations/Exercises are based on a set of assumptions about the circumstances during a disaster:

- A high level of tension and anxiety under which the concerned personnel would operate both at the central and field levels
- Highly unreliable information which requires critical assessment
- Criticality of time where rapid decisions must be taken.
- Necessity for coordination among technical personnel and government officers, who do not usually interact
- Prominence of political and social factors in the aftermath of a disaster

The approach for conducting a mock-drill varies as per the complexity of scenario depending upon the potential hazards, response system of the institution and the target community. Therefore, to ensure proper implementation of a drill programme, roles and responsibilities (SOPs) of the concerned personnel, departments, corporate bodies, stakeholders, and mechanisms for conducting the drill should be delineated clearly.

Regardless of the size, complexity and risk involved in the implementation of the drill, an effective drill/exercise programme should have the following essential elements as prerequisites:

- Emergency Response Plan: explaining institutional response structure, emergency response functions and standard operating procedures for various departments Team personnel at head quarter and field level trained on their standard operating procedures
  - Trained quick response teams in various possible operations like search and rescue, law and order, fire-fighting, medical, water arrangements, relief and shelter and electricity restoration etc
  - Updated database of resources, equipment and manpower available
  - Updated Emergency Directory with important contact details of members of Incident Management Team and Emergency Response function
  - Mock-drill Scenario and detailed action plan for Mock-drill
  - Evaluation formats for concerned departments and definite criteria for evaluation
  - Observers and Qualified evaluators
- Lessons learnt from the actual drills and exercises would be useful to revise operational plans and serve as a basis for the training of various stakeholders across different sectors. The drills and exercises will help to –
- Identify planning gaps
  - Revise SOPs to enhance coordinated emergency response
  - Increase public awareness and community readiness
  - Enhance capacities of professionals, departments and trained volunteers
  - Test plans and systems in simulation exercises

### **6.5 Plan maintenance:**

As emphasised earlier, an emergency preparedness program must be dynamic, with the contingency plan maintained as a living document. This means continual updating and revision.

#### **Updating:**

Keeping a plan up-to-date is normally neglected, or at least is often assigned a low priority. One organisation should be responsible for the co-ordination of this task and overall stewardship of the plan. Some of the important aspects are:

- regular review period
- record of amendments and changes
- "where to report changes" notice
- current distribution list of plan holders

The plan should contain easily replaceable sections accompanied by clear directions for insertion into the plan and an acknowledgement form to be returned. The use of electronic word processing and computer-developed tables and figures is also recommended and has been provided with the plan. Information given in the softcopy of the report / action

The Disaster Management Plan updating should be done at least annually, and whenever applicable conditions change. This means reviewing the hazards analysis process to see whether additions or deletions are appropriate, and changing the contingency plan when they are, the incorporation of resolved action items, and revisions to training programs, where needs are identified.

Some data in the plan must be updated more often than annually. Telephone numbers, for example, should be checked at least quarterly. When new equipment is acquired or old equipment retired, these resource listings must be changed. All changes must be distributed to holders and potential users of the plan.

#### **Public Information-**

Public information has two phases in contingency planning: education about the plan itself and why it was developed, and notification of an emergency condition. The first is a public relations function; the second, a necessary part of the plan itself.

### **6.6 Public Information Prior to an emergency**

Residents of the district especially in industrial areas are aware of potential threats to their well being from industrial and transportation accidents. They are more concerned about major disasters than the host of minor incidents that occur. The more information citizens have about environmental conditions in their communities, the better equipped they are to participate in mitigation measures for their own protection from unacceptable safety and health risks. The hazards in a community, and what both industry and the administration are doing to minimise the risks and manage emergency situation that may arise, must be made known to them clearly and explicitly.



Perception and truth can be, sometimes, the same in the public eye, however subjective, inconsistent, and irrational this may be. People may react differently to the same risk, depending on their backgrounds and their level of risk acceptance. Voluntary risks, such as smoking or road accident, are usually accepted, whereas the involuntary risks of exposure to industrial hazards like contaminated drinking water, or a toxic plume, are not. While risk comparison may be valid, it is better to focus discussion on preventive measures, emergency preparedness, and containment and remediation procedures.

The public gets most of its information through the media. Therefore, when interacting with the media, the key is to present essential factual information positively, in readily understood terms (i.e. without technical jargon or exponential numbers). Unless this groundwork is laid, particularly with local media representatives (both print and electronic) It is unlikely that they will be friendly in a crisis situation. Rapport should be built ahead of time, for fair treatment during an emergency. Press releases and conferences during the planning process can help to accomplish this goal.

### **6.7 Emergency Information:**

When an emergency does occur, prompt notification of the local emergency response team is vital, as it the dissemination of the warning to the public who may be affected. Initial notification of a problem to the emergency response team may be by telephone. The Initial Notification and Public Alert may be done with the help of vehicle mounted with Public Address system belonging to emergency services like Fire or Police.

The notification could also be done with the help of emergency sirens of the industry in and around which the emergency has struck. The meaning of varying siren tones must be clearly defined and understood by general public to avoid any confusion during an actual emergency. Periodic training and mock drills involving general public could achieve this.

A standardised notification message form should be available to both the sender and receiver of the initial information. Such notification should contain following information.

- The date and time of the call (24-hour clock).
- The exact location of the emergency with name and address
- The caller's name, title, and telephone number (for verification purposes).
- The current emergency classification (such as Alert, Site Emergency, or General Emergency).
- The date and time of classification (24-hour clock).
- Whether or not a release has occurred. If yes, the name of the substance, its CAS number, whether it is toxic or flammable, any anticipated health hazards, what time it started, whether it is continuing or stopped, and whether it is a gas or liquid release.
- Whether any / what precautions should be taken when responding. (SCBA, protective clothing, etc.).
- A brief description of the problem.
- The assistance requested for mitigation.
- The public protective actions recommended.
- The preparer's name, title, and telephone number.

### **6.8 Public Information during Emergency**

During any natural disasters having wide spread damages, the public notification could be achieved through radio broadcast or other electronic media like local Cable TV etc. The media plays an important role in conveying the correct information to the general public. This would prevent spread of rumours, which may result in panic situation and may become difficult for district administration to control.

The establishment of a media briefing centre or public information centre has been described earlier in the report. Only the Dy. Commissioner or any responsible spokesperson appointed by him is authorised to deal with the press and provide accurate, detailed and meaningful information to media representatives who, because they are familiar with the contingency plan through advance preparation, will present the situation more fairly than if they had no prior knowledge.

## Chapter 7

### RESPONSE AND RELIEF MEASURES

#### **7.1 Introduction:**

The need for an effective disaster management strategy is to lessen disaster impact which can be achieved through strengthening and reorienting existing organizational and administrative structure from district – state to national level. The emergency response plan is a first attempt to follow a multi-hazard approach to bring out all the disasters on a single platform and incorporates the '*culture of quick response*'. Under the plan, common elements responsible for quick response have been identified and a set of responsible activities has been articulated. It provides a framework to the primary and secondary agencies and departments, which can outline their own activities for disaster response. The plan will also include specific disaster action plans along with modal scenarios in detail to conduct practice drills at district administration level.

#### **7.2 RESPONSE PLAN (Multi Hazard) preparedness and assessment:**

Disaster Response plans are useful in pre-disaster situation, when warnings have to be issued. The Plan again serves as guidance to officials and precious time is saved which might otherwise be lost in consultations with senior officers and getting formal approval from authorities. The response plan contains two approaches:

**Short term Plan:** Short- term Plan comprising relief to be provided immediately following a disaster based on Norms of relief if applicable. Setting up of shelter places and immediate restoration of power supply, clearance of roads etc. Coordination with various agencies, NGOs, National and International.

**Long term Plan:** Long Term plan comprises of reconstruction of earthquake proof buildings, rehabilitation of people in safe areas. Enforcement of DM Act 2005, involvement of community participation.

#### **Incident Command System (ICS)**

ICS is a modal tool to command, coordinate and use of resources at the site of the incident. It is based on the management and direction tools that experts and managers are already aware too. It is a very flexible, cost effective and efficient management system.

#### **7.3 Emergency Support Functions (ESFs)**

The ESF activates under the guidance of Incident Commander (Deputy Commissioner) who is also a head of Incident Response System (IRS). Under the IRS, a team of 11 ESFs nodal officers works together also called as Disaster Management Team (DMT). DMT would also be constituted at District level with district level nodal officers. The members of Disaster Management team would also heads primary agency and simultaneously coordinate with the secondary agencies. Each of the primary and secondary agencies would also comprise of quick response team trained to carry out their functions at the response site. The success of ESF will be of critical importance and would reflect in the lives saved in the first few hours.

#### **Primary and Secondary Agencies**

The designated primary agency action as a central agency would be assisted by one or more supporting agencies (secondary agencies) and will be responsible to manage activities of the ESFs and ensuring the mission accomplished. The primary and secondary agencies have the authority to execute response operations to directly support the state needs.

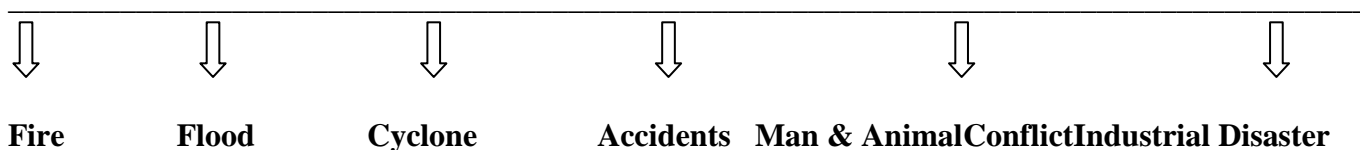
#### **7.4 Quick assessment of Damages**

Immediate assessment and submit their first information report of any calamities to the DC in case Disaster.

First Information Report to be submitted to the following format.

## 7.5 Response Flow Chart

### Emergency Response Procedures



#### Introduction:

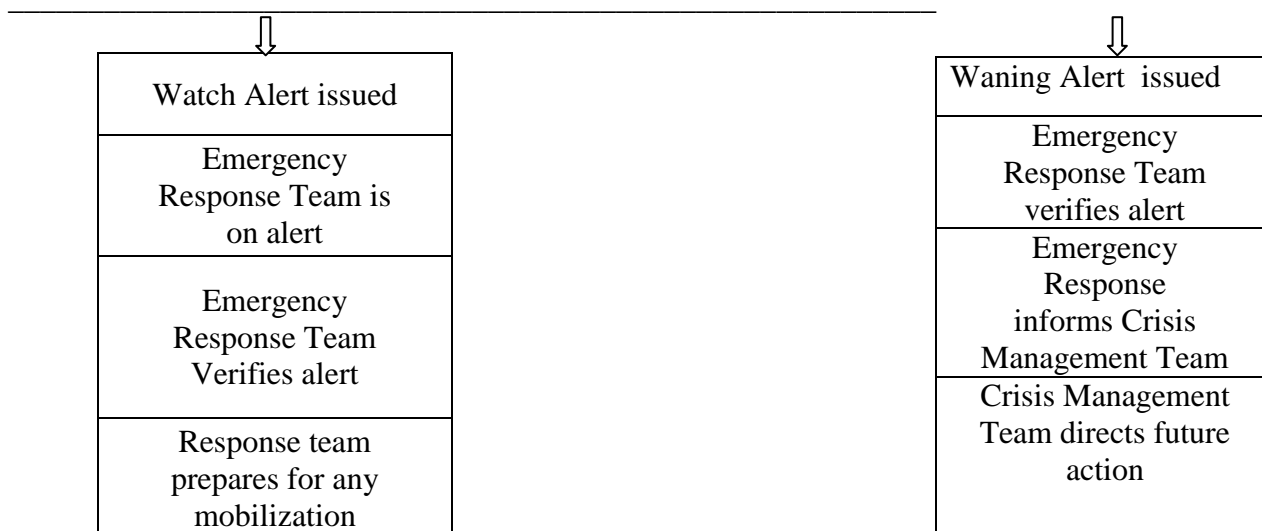
Response Flow Chart procedures are the foundation of any crisis management plan. The objective of the emergency procedures is to be able to protect lives and minimize damage to assets and to try to ‘nip the incident in the bud’ before it escalates into a disaster.

Need of response flow chart: The need is to create flow charts that convey the first actions to be carried out and escalations and process flows based on the emerging scenario. Before the construction of the flow charts the following need to be defined:

- Primary contacts
- Emergency response team members
- Crisis management team members
- Head court lists
- First aid trained personnel
- Emergency service providers contact numbers
- Emergency contact numbers for all employees
- Vendor contact numbers
- Building evacuation drills

#### For example cyclone response chart

#### Cyclone



Each flow chart has to be complemented by the required details. The flow charts in themselves are only able to summarize what needs to be done and should be used during top-level designs, trainings and awareness campaigns

#### Response structure during Warning stage

At district level, before the occurrence of disaster and immediately after the disaster, the district administration will activate the district control room so that proper information will be provided to the concerned authorities.

**Warning dissemination:** When a warning is received, it will be first verify and transmitted to the next person through telephones, fax messenger, public announcement, AIR Radio, Doordarshan, Television and newspaper.

**Relief:** Immediate relief to be given to the affected victims as per norms provided by the DM & CD Deptt. Govt. of West Bengal.

## **7.6 WARNING & ALERT:**

Early warning system

In severe flood situations in the states caused by major devastation many district Head Quarters got totally cut-off from the state and neighbouring districts due to submerged telephone exchange cable and disrupted roads and railways communication. In the worst affected districts the need for relief and rescue operation could not be communicated to the state head quarters. Realizing this, state Government requested National Disaster Management Division of the Government of India to immediately send the emergency coordination kits containing satellite phones to establish communication links among the severely districts and head quarters.

The telecommunication links have become a vital part of our daily life. Most popular means of communication is the Public wired telephone, which known as Public switched Telephone Network (PSTN) line.

This is the prime network connecting all Government and Private Officers, Police Stations, Fire Stations, Hospitals and majority of homes and business places by transmitting and receiving voice, fax and data. The usage of wireless phones such as mobile (cellular) Phones have also become widespread in recent times.

The prime communication networks of Government of India. NIC: National Informatics Centre (NIC) is a premiere Science & Technology organization of the Government of India in this field. It functions through a nationwide information and communication technology (ICT) network called NICNET.

### **Warning Dissemination:**

The major points which focused in warning dissemination are

- Interpretation
- Translation
- Response Option
- Communicating risks
- Lag time

## **7.7 District Crisis Management group (CMG) meeting:**

The CMG, in the event of a natural disaster, meets frequently to review the relief operations and extend all possible assistance required by the affected states to overcome the situation effectively.

## **7.8 Activation of Emergency Operation Centre (EOC)**

An Emergency Operation Centre (EOC) is central command and control facility responsible for carrying out the principles of emergency preparedness and emergency management, or disaster management functions at a strategic level during an emergency, and ensuring the continuity of operation a company, political subdivision or other organization.

## **7.9 DUTIES AND RESPONSIBILITIES :**

### **Civil Administration :**

- Declaration of emergency after confirming the magnitude of the disaster.
- Activate the Emergency Control Room (ECR) at district office and make it functional.
- Co-ordinate and establish contact with all agency involved in the emergency actions.
- Ensure setting up of Control Room close to the scene of accident or at Block headquarters where the disaster has struck.
- Ensure actions have been initiated to contain the emergency.
- Have overall supervision of all the emergency relief operations.
- Initiate evacuation of people from affected area with the assistance of police, fire and other agencies.

- Depending on type of emergency, mobilise additional resources like heavy lifting gears line cranes, bulldozers for rescue and mitigation operation.
- Ensure transport vehicles in required numbers have been mobilised for evacuation of the affected population.
- Set-up safe shelters for evacuated people and ensure they are provided with food and medical attention as the need be.
- Monitor progress of disaster especially in case of natural disasters like cyclone or floods by getting information from various agencies involved and mobilise additional support to mitigate the effects of disaster.
- Keep the state administration informed regarding the disaster and the steps taken to contain the same.
- Issue statement to the press (both print and electronic media) on the prevailing conditions and the steps being taken by the district administration to mitigate effects of the disaster.
- Get mutual aid from neighbouring districts the Major Hazard Industries or seek the assistance of voluntary organisation.
- If required, set-up mobile first aid centre or temporary health centres in the affected area or in the safe shelters.
- Visit the scene of the disaster to have first hand information about the rescue or mitigative operation that are being carried out.
- In case of floods, carry out aerial survey of the affected area to have preliminary estimates of the extent of damage caused.
- To co-ordinate with the state government through Principal Secretary, Dept. of Disaster Mangment & Civil Defence, Govt. of West Bengal and mobilise the help of army / navy / Air force or other agencies as required.
- Call off emergency after confirming that all the actions have been taken to normalise the conditions and it is safe for people to re-enter the affected areas.

It is observed that the police are the first agency to reach the site during any emergency. The local police initiate the emergency action even before the declaration of emergency and setting up of the ECR at the Office of the Superintendent of Police, Dakshin Dinajpur. Even though the main function of the Police is to maintain law and order, it is observed that most of the rescue and relief operation is initiated by the police before arrival of full-fledged rescue teams.

**Following are the main functions of the Police(at various levels)during any emergency Superintendent of Police (SP):**

After receiving instructions from District Magistrate , the Superintendent of Police(SP) will rush to the ECR and establish contact with the local police station. He would then direct implementation of the action plan through the police station nearest to the scene of disaster.

Depending on the type of the disaster, ensure cordoning off the affected area by the local police, mobilize additional police force from various sources depending on the requirement. Ensure co-ordination with various police and other agencies involved in handling the disaster. If necessary mobilize the home guards.

**SDPO of the concerned Sub Division:**

- The SDPO of the sub-division where the disaster has struck would get in touch with the nearest police station and ensure the police team is rushed to the scene of the emergency. His main function would be to act as link between scene of the accident and the Emergency Control Room at Dakshin Dinajpur.
- On receiving information from the ECR, he would rush to the site, assess the situation, obtain first hand information, take control of the overall situation.
- Alert district administration to mobilize Reserve Police personnel for deployment for traffic regulations, supervision of evacuation and security duties.
- Alert area district Commandant of home guards to mobilize home guards, as necessary (and keep the Superintendent of Police (SP)/Commissioner of Police informed).
- Arrange for necessary transportation vehicles for rescue operation in consultation with the RTO
- Arrange for necessary ambulance and other medical facilities for the affected persons in co-ordination with various government and non governmental agencies.
- Arrange for removal of the dead bodies, identifications and proper preservation.

- Prepare list of missing persons and take immediate steps to trace them.
- Communicate the information to other agencies through police control room.
- Keep in constant touch with ECR to ascertain latest status and intimate police personnel with up to date information regarding response actions and further instructions.
- Arrange for relief to policeman handling the emergency situation.

**Circle Inspector**

The Circle Inspector of the concerned area would also rush to the scene of the accident and direct the various operations like maintaining law and order, barricading and diversion of traffic away from the scene of accident. His main functions would include

- Maintain direct contact with the local police station through the police mobile van.
- Keep monitoring the progress of various mitigative and rescue measures being undertaken.
- Ensure police personnel are given updated information for announcement during the emergency.
- Mobilize government and private buses through RTO for evacuation.
- Ensure that the bus/vehicle drivers are properly instructed regarding areas to be visited and routes to be taken during evacuation.
- Ensure security duty personnel are at their posts and that only authorized personnel / vehicle are allowed to enter the emergency /affected area with proper identity cards.

**Police Inspector of nearest Police Station**

The local police station plays an important role during any Industrial disaster in the industrial area as well as during any road accident in the district involving a tanker carrying hazardous chemicals.

- Divert traffic away from the scene of accident on major roads. Set up barricades and regulate crowd in affected are.
- Warn and advice people about emergency using vehicle mounted with Public Address system in the affected area.
- Evacuate people and livestock in affected areas using rescue routes identified in advance(depending on wind direction in case of gas leak)
- Provide relief to victims till arrival of rescue team.
- Maintenance of law and order at the scene of emergency and prevention of anti social elements from taking advantage of the situation.
- Ensure law and order and maintain security in evacuated areas.
- Assist in rendering first aid Medical help to those in need.
- Ensure police personnel on emergency duty receive proper briefing about possible hazardous effects and are provided with personal protective equipment.

**Traffic Police**

Depending on the type of disaster, the traffic police would take control of the traffic movement in the district. During a natural disaster like cyclone or floods the roads may be cut off for a longer period and hence traffic police play a very important role in handling any such emergencies. Their duties would include

- Stop traffic approaching the affected area and advise the crew regarding the impending danger.
- Ensure tankers containing hazardous chemicals are parked in safe places.
- Check for alternate routes and divert the traffic in controlled manner to prevent congestion in diversions.
- Keep close liaison with other police agencies and assist in crowd control around the affected area.
- Make way for emergency and relief vehicles on priority basis.
- Monitor the condition of the blocked road and resume normal traffic only when affected area is declared safe. It is observed that the police are the first agency to reach the site during any emergency. The local police initiate the emergency action even before the declaration of emergency and setting up of the ECR at the office of the Superintendent of Police, Dakshin Dinajpur. Even though the main function of the Police is to maintain law and order, it is observed that most of the rescue and relief operation are initiated by the police before arrival of full-fledged rescue teams.

**FIRE FIGHTING FUNCTION (Chief Fire Officer)**

*Alternate :* District Fire Officer,

The Chief Fire Officer/District Fire Officer will place himself in the main Emergency Control Centre and maintain continuous contact on VHF with the Station Officer at the Site. Depending on the need, the Chief Fire Officer will place himself at the site and maintain contact with the Superintendent of Police in the Main Emergency Control Centre.

The Station Officer/Sub-Officer/Asst. Sub-Officer of the fire station closest to the scene of disaster will direct fire fighting operations at the site and keep the Divisional fire officer/station officer informed of the developments at the site.

#### **Main functions**

- Initiate rescue and fire fighting operation with available means. Ensure that all fire fighters use proper personnel protective equipment while fighting a fire or controlling gas leak.
- Help the district administration in evacuation of people from affected zones using escape routes decided in advance depending on the wind direction.
- Continuously evaluate the situation and decide the necessity to call in additional Fire Engines from neighbouring Districts.
- Mobilise the services of the Home guards for fire fighting through the Police.
- Additional help may also be summoned from the Airport fire brigade depending on the location of the disaster / accident.
- He will advise the Superintendent of Police on the extent of evacuation necessary.
- Preserve valuable evidences, which may be useful for investigation later on.
- Ensure availability of water and make arrangement for private water tanker carriers
- When the emergency is over, carry out joint inspection of affected areas along with site controller and Technical experts to ensure that emergency is under control.
- Send the message of "SAFE" to SP./Addl.SP. etc to enable him to officially call off the emergency.

#### **CIVIL DEFENCE FUNCTION - Home guards (District Commandant)**

*Alternate* : Dy. District Commandant

District Commandant/Dy. Commandant will position themselves in the Emergency Control Room and assist the district administration in mitigating the emergency. They would be continuous in contact with the field officer/units.

#### **Main functions**

- Assist the Police or Fire personnel in carrying out their duties.
- Carry out rescue and evacuation operation in close association with other emergency agencies.
- Evacuated areas would need to be guarded against looting.

#### **TRANSPORTATION FUNCTION (RTO)**

*Alternate* : ARTO

The transportation department plays an important role during any type of disaster as it would involve large-scale evacuation of people in the affected area. RTO / ARTO would be based at ECR and assist the district administration in mitigating the emergency.

#### **Main Functions**

- Deploy required number of buses with drivers to evacuate people to Safe Shelters.
- Mobilise various earth moving equipment and other heavy machinery from different sources required for rescue operation.
- Provide mobile workshop if required for urgent repairs/breakdowns.
- Provide assistance as required and directed by Superintendent of Police /Addl. Superintendent of Police.

#### **HEALTH FUNCTION (Chief Medical Officer of Health)**

*Alternate* : Assistant Chief Medical Officer of Health

The CMOH/ ACMOH would be based in the ECR and assist the district administration in ensuring prompt health care to all affected people through their network in affected areas.

#### **Main Functions**

- On receiving the information about the emergency CMOH will mobilise all the available Medical & Paramedical Staff for handling emergency.
- Rush medical teams from the nearby hospitals to the scene of the disaster or safe shelters nearby.
- Set up first aid centre at the affected area and rescue shelters.
- Mobilise all the available ambulances and assist in shifting the injured/affected persons requiring additional attention to hospitals.
- Alert all government & private Hospitals to meet any emergency and line of treatment to be followed.
- Alert blood banks to maximise their stock.
- Set-up temporary emergency wards with medical facilities to receive the affected victims.

- Inform all the doctors / paramedics regarding the nature of emergency as per the message received from the ECR and also inform about the line of treatment to be followed.
- Ensure sufficient stock of drugs and other medical facilities are available.
- Keep in touch with the district Emergency Control Centre and District Magistrate and apprise him of the situation and advise him on additional help required from outside agencies.

**WELFARE FUNCTION (District Controller, Food and Supplies)**

*Alternate* :Deputy Controller, Food and Civil Supplies

The Dist.Controller / Deputy Controller would be based in the ECR and assist the district administration in running the Safe Shelters and Relief Centres set up during the disaster.

***Main Functions***

- Will be overall in-charge of Relief and Rehabilitation activities.
- Identify the rehabilitation centre in advance and establish them in shortest possible time.
- Arrange for orderly transportation of population from the emergency zone and adjacent villages in case evacuation has been ordered by District Magistrate.
- Co-ordinate with other departments connected with relief measures.
- Provide basic amenities such as food, baby food and sanitation at the rehabilitation centres.
- Distribute food packets at the affected areas to the people, emergency services agencies such as police, fire fighting personnel and others.
- Exercise any other powers to seek any assistance from the local authorities in achieving this objective.
- Establish contact with the voluntary organisations for assistance.
- To ensure that necessary arrangements are made for the orderly return of all villagers to their respective places once the District Magistrate informs about the termination of the emergency.

**INFORMATION FUNCTION (District Information Officer - DICO)**

The District Information Officer(DICO) would be based in the ECR during any disaster and assist the district authorities in smooth operation.

***Main functions***

Upon receiving the information from district administration, the DICO should co-ordinate with media for giving information regarding emergency.

- Co-ordinate with the affected victims' families for giving information of their dear ones if missing / dead / injured.

**Chapter 8**

**Reconstruction, Rehabilitation and Recovery Measures**



### **8.1. Introduction:**

Rehabilitation relates to the work undertaken in the following weeks and months, for the restoration of basic services to enable the population to return to normalcy. Actions taken during the period following the emergency phase is often defined as the recovery phase, which encompasses both rehabilitation and reconstruction.

**Rehabilitation:** Refers to the actions taken in the aftermath of a disaster to enable basic services to resume functioning, assist victims' self-help efforts to repair physical damage and community facilities, revive economic activities and provide support for the psychological and social well being of the survivors. It focuses on enabling the affected population to resume more-or-less normal (pre-disaster) patterns of life. It may be considered as transitional phase between immediate relief and more major, long-term development.

**Reconstruction:** Refers to the full restoration of all services, and local infrastructure, replacement of damaged physical structures, the revitalization of economy and the restoration of social and cultural life. Reconstruction must be fully integrated into long-term development plans, taking into account future disaster risks and possibilities to reduce such risks by incorporating appropriate measures. Damaged structures and services may not necessarily be restored in their previous form or location. It may include the replacement of any temporary arrangements established as part of emergency response or rehabilitation. The following sectors can be vulnerable to disaster impact, and which, therefore, will require rehabilitation and reconstruction inputs.

- Buildings
- Infrastructure
- Economic assets (including formal and informal commercial sectors, industrial and agricultural activities etc.)
- Administrative and political
- Psychological
- Cultural
- Social
- Environmental

“The disaster scenario offers a range of opportunities for affected communities to respond to the crisis, how community responds to a disaster and post disaster aid sets the tone for the transition from disaster to development”. As discussed earlier rehabilitation and reconstruction comes under recovery phase immediately after relief and rescue operation of the disaster. This post disaster phase continues until the life of the affected people comes to normal. This phase mainly covers damage assessment, disposal of debris, disbursement of assistance for houses, formulation of assistance packages, monitoring and review, cases of non-starters, rejected cases, non-occupancy of houses, relocation, town planning and development plans, awareness and capacity building, housing insurance, grievance redressal and social rehabilitation etc.

### **8.2 Post Disaster Reconstruction and Rehabilitation:**

Post disaster reconstruction and rehabilitation should pay attention to the following activities for speedy recovery in disaster hit areas. The contribution of both government as well as affected people is significant to deal with all the issues properly.

- Damage assessment
- Disposal of debris
- Disbursement of assistance for houses
- Formulation of assistance packages
- Monitoring and review
- Cases of non-starters, rejected cases, non-occupancy of houses
- Relocation
- Town planning and development plans
- Reconstruction as Housing Replacement Policy
- Awareness and capacity building
- Housing insurance

### **8.3 Administrative Relief:**

The district is the primary level with requisite resources to respond to any natural calamity, through the issue of essential commodities, group assistance to the affected people, damage assessment and administrating appropriate rehabilitation and restoration measures. The district level relief committee consisting of official and non-official members including the local legislators and the members of parliament review the relief measures. When a disaster is apprehended, the entire machinery of the district, including the officers of technical and other departments, swings into action and maintains almost continuous contact with each village in the disaster threatened area.

#### **8.4 Reconstruction of Houses Damaged / Destroyed:**

The PWD shall play the main role for reconstruction/repairing of lifeline buildings/damages buildings. The DDMA shall monitor the issue of reconstruction/repairing of lifeline buildings on regular basis. Houses/buildings should be reconstructed in the disaster hit areas according to the following Instructions:

- Owner Driven Reconstruction
- Public Private Partnership Program (PPPP)
- Under the PPPP the houses are reconstructed by the NGOs for the beneficiaries to be registered in the joint names of the husband and wife.
- All the houses should be insured.
- Owner Driven Reconstruction
- Financial, technical and material assistance provided by the government.
- The designs for seismic reconstruction of houses provided by the government.
- The material assistance provided through material banks at subsidized rates.
- Design of 20 model houses provided to the public to choose from with an option to have one's own design.

#### **8.5 Military Assistance:**

If the district administration feels that the situation is beyond its control then immediate military assistance could be sought for carrying out the relief operations.

#### **8.6 Medical Care:**

Specialized Medical Care may be required to help the affected population. Preventive medicine may have to be taken to prevent outbreak of diseases.

#### **8.7 Epidemics:**

In the relief camps set up for the affected population, there is a likelihood of epidemics from a number of sources. The strategy should be to subdue such sources and immunize the population against them. The public health centers, health departments can practice vaccination drives, public awareness to drink boiled water, use chlorine tablets to purify the water sources.

#### **8.8 Corpse Disposal:**

Disposal of dead bodies is to be carried out as a part of the operation to prevent outbreak of epidemics. Minimum official requirements should be maintained as it is a very sensitive issue. The following points may be considered by the concerned authorities at the time of corpse disposal

- Mass photographs of corpses,
- Consent of the relatives or hand over to them

#### **8.9 Salvage:**

A major effort is needed to salvage destroyed structure and property. Essential services like communications, roads, bridges, electricity would have to be repaired and restored for normalization of activities.

#### **8.10 Outside Assistance:**

During disaster situations, considerable relief flows in from outside, thus there is an immediate need to co-ordinate the relief flows so that the maximum coverage is achieved and there is no duplication of work in the same area.

### **8.11 Special Relief:**

Along with compensation packages, essential items may have to be distributed to the affected population to provide for temporary sustenance.

### **8.12 Information:**

Information flow and review is essential part of the relief exercises. Constant monitoring is required to assess the extent of damage, which forms the basis of further relief to the affected areas.

### **8.13 Social Rehabilitation:**

#### **Disabled persons**

- Artificial limbs fitted to affected persons.
- Modern wheelchairs, supportive devices provided.

#### **Children**

- Orphaned children are fostered.
- Day centers set up
- Orphanages established.
- Child help lines established.

### **8.14 Recovery:**

The long-term response plans are related with Recovery and Reconstruction activities on one side and institutionalizing disaster management in district administration on the other side. There are Standard Operation Procedures (SOPs) for the Emergency Support Functions. In long term measures the following actions shall be undertaken duly:

- Constitution of Emergency Support Functions, Disaster Management Teams, Quick Response Teams, Field Response Teams
- Refresher trainings for all such teams in a regular interval of time and exercise of Mock Drills
- Continuous awareness/sensitization programmes for the stakeholders and the general Public.
- Getting pre-contract with vendors and merchant establishments to procure relief materials in times of disaster
- Most of the Line Departments in the District, Autonomous Bodies and Organizations are part of the Emergency Support Functions. The DDMA shall ensure that these actions plans are updated bi annually and practiced through mock drills and other activities in the district.

Recovery and rehabilitation is the final step. The incident Command System shall be deactivated as the rehabilitation phase is over. Thereafter the normal administration shall take up the remaining reconstruction works in the disaster-affected areas. These activities shall be performed by the Working Group for relief and rehabilitation under the direction of the DDMA.

### **8.15 Short term reconstruction activities:**

- Repair:** The main purpose of repair is to bring back the architectural shape of buildings to resume their functioning at the earliest.
- Restoration:** The main purpose of restoration is to carry out structural repair to load bearing elements. It may involve cutting portions of the elements and rebuilding them or simply adding more structural material so that the original strength is restored.
- Strengthening of Existing Buildings:** Strengthening is an improvement over the original strength where the evaluation of the building indicates that the strength available before the damage was insufficient and restoration alone will not be adequate in resisting future impacts.

## **8.16 Long term reconstruction:**

Activities Reconstruction of housing and associated infrastructure plays most important role in betterment of psychological trauma, livelihood, health, education in entire disaster recovery process. Therefore, it should consist of a comprehensive approach involving rehabilitation of housing, infrastructure, livelihood, health, education, environment, etc. to ensure sustainable development of disaster affected communities. It should be taken into consideration that below mentioned multi-disciplinary activities and approaches should be incorporated in reconstruction process in consultation of the affected community in an institutionalized manner. This would ensure sustainable development of the community.

## **Chapter 9**

### **Financial Resources for implementation of DDMP**

### 9.1 Recommendation by 13th finance commission:

The Thirteenth Finance Commission (2010-2015) has responded very positively to the long pending request for greater allocation of fund for disaster management. The finance commissioner suggested various recommendations to solve the issue in state and district level. Every state has a State Calamity Relief Fund (CRF) for immediate action after math of a disaster.

### 9.2 National Level:

Sl No	Type of Fund
1	Fund release under grant in aid Thirteenth Finance Commission
2	Fund available for Project NDMA

### 9.3 State Level:

Sl No	Type of Fund
1	State Budget/Plan fund
2	State Disaster Response Fund

## Chapter 10

### Procedure And Methodology For Monitoring, Evaluation, Updating And Maintenance Of DDMP

#### 10.1 Proper monitoring and regular updating of DDMP:

Proper monitoring and evaluation of the DDMP the DDMP is monitor and evaluated in every mock drill programme. The preparedness and achievement of all the lien Dept. / stake holders are tested. Regular data collection system shall be set up at district.

### **10.2 Post Disaster evaluation Mechanism:**

Disasters are always unexpected. Each disaster causes huge loss of human lives, live stocks and property as well. It is said that, every disaster repeats after a particular interval. Also lessons learnt from a particular disaster will help to plan for another potential hazard. The DDMA Dakshin Dinajpur Chairman shall make special arrangements to collect data on a particular disaster irrespective of size and vulnerability. This post disaster evaluation mechanism shall be set up with qualified professionals and researchers and the collected data shall be thoroughly crosschecked and documented in the EOC for further reference. Post disaster evaluation mechanism for DDMP meeting of the DDMA will be held within 2 Weeks of facing the disaster like situation if any occurred in the district where the team leaders/ nodal officers of each participating departments/agency shall remain present for the post distasterevaluation of the situation in all respect.

### **10.3 Uploading of updated plans at DDMA websites:**

District Disaster Management Plan of the district shall be a public document & should be uploaded at the DDMA/SDMA websites under the supervision of the District Information Officer.

### **10.4 Media Management:**

Media Management is one of the core issues related to disaster management. Usually, in case of disaster, hundreds of media crew reaches the site even before the outside disaster management agencies and they assess the situation. The report they release on air is contradicting and creates panic. In order to control the situation certain arrangements shall be made by the district. As a disaster is noticed the Incident Commander shall do the following measures to control the media:

1. Along with information dissemination to the vertical and horizontal agencies, press people also shall be called and given preliminary data based on assessment. This shall reduce the guesswork of the media people.
2. Only the state owned electronic, print media should be taken to the site. More people mean more confusion and hazard in disaster management.
3. In every one hour or so the Incident commander shall give press release in order to control false information to the outside world.
4. No media shall be allowed to air or print pictures of dead bodies with worst condition. There is a tendency to do so by the media to make sensitivity. In a disaster situation, only the incidentcommander or his assignee in district level will communicate with the media and provide brief, No other parallel agency or ESF or voluntary agency involved in the disaster management shall give any sort of press briefings.

### **10.5 Indian disaster Resource Network(IDRN):**

One major step towards strengthening of our response system has been the launch of India Disaster Resource Network (IDRN). This is web based inventory of all specialist equipments required for emergency/Disaster response.

### **10.6 Conducting mock drills at District level**

The ultimate objective of the Training programme on preparedness and mitigation is to conduct mock drill, which is an artificial scenario of a disaster. The objectives encompassed in the mock drill are to validate the Standard Operating Procedures (SOP) and ascertain the capabilities created by District Disaster Management Committee in managing and responding to natural disasters. The District level mock drill is conducted every year at time in 4-5 different spots. And 20-25 different departments take part in the mock drill to show their achievements/preparedness in the field of evacuation, search, rescue, health and First Aid, garbage clearance, drinking water facility etc. after completion of the mock drill evaluation of the performance of the made in the conference hall of Deputy commissioner office.

**10.7 Monitoring & gap evaluation:**

The District Authority shall check whether all the personnel involved in execution of DDMP are trained & updated on the latest skills necessary in line with the updated plans. As per Section 30 (2) (xii) of DM Act 2005, the District Authority shall organize & coordinate specialized training programmes for different levels of officers, employees & voluntary rescue workers in the district.

**10.8 Plans of Major Accidental Hazard Units:**

Dakshin Dinajpur District has traditionally been vulnerable to natural disasters on account of its unique geo climatic conditions and it has, of late, become equally vulnerable to various manmade disasters. Toxic release, Chemical and Oil spillage emergencies as one such facet of manmade disasters are of relevance and concern to us. Any radiation incident resulting in or having a potential to result in exposure and/or contamination of the workers or the public in excess of the respective permissible limits can lead to a Toxic release/Chemical and Oil spillage emergency. Presence of major installations in the district likes Oil/Gas terminals & Refineries and handling, importing, Transporting Highly toxic and Hazardous Chemicals in District calls for special attention. Thus, all these installations were directed to prepare & submit their on-site & off-site plans to this office.

**CHAPTER 11**  
**COORDINATION MECHANISM FOR IMPLEMENTATION OF**  
**DDMP**

**11.1 Introduction**

There are a number of participants in a typical disaster relief operation. Participants may include; national government, local government, national and international humanitarian organizations, expert and volunteer rescue teams, third party logistics providers, suppliers of goods used for disaster relief, and the affected people. The nodal officers of various Department of the state Government /central Government/CPMF/NGOs/GBOs/cooperate sectors/school authorities /Govt. Hospitals/Private hospitals are linked up with the district authority.

- In the periodical meeting responsible officers of all the above depts.../agencies are invited, offered their views to ensure a better coordination mechanism for implementation of DDMP
- Coordination with block/village level task forces is also better cared for
- Linkage with SDMP is also maintained after consulting the DDM

**11.2 Coordination of Response at the District level**

The Deputy Commissioner is the head of the District Administrative set up and chairperson of the DDMA as per the DM Act 2005. He has been designated as the RO in the District. The head of different Departments in the District will have separate roles to play depending on the nature and kind of disaster. The roles and responsibilities of the members of the DDMA will be decided in advance in consultation with concerned members.

**11.3 Department wise Primary and secondary:**

**11.3.1 State Disaster Authority will be involved in the following activities:**

- Search and Rescue operations
- Providing Temporary shelters
- Public Information's
- Relief Distribution
- Construction materials
- Restoration of infrastructures

**11.3.2 DDMA will be involved in the following activities**

- Providing temporary Shelters
- Construction materials
- Restoration of infrastructure

**11.3.3 Fire Services Fire will be involved in the following activities:**

- Search and Rescue operation
- Evacuation
- Public Information

**11.3.4 PWD**

PWD will be involved in the following activities:

- Construction materials
- Restoration of infrastructure
- Providing temporary shelters



### **11.3.5 Civil Defence**

Civil Defense and Home Guards will be involved in the following activities:

- Cordoning of area
- Search and Rescue operations
- Evacuation
- First aid operations

### **11.3.6 Home Guards/Civic Volunteers Providing**

- Temporary Shelters
- Relief distribution
- Reception/Information Centers

### **11.3.7 Department of Health Department**

- Of health will be involved in the following activities:
- Medical aid(Treatment of injuries and surgical operations)
- Health and sanitation
- Disposal of Dead(as per customs)

### **11.3.8 Irrigation and Flood**

- Control irrigation and flood control Department will be involved in the followingactivities:
- Construction materials
- Restoration of infrastructures

### **11.3.9 BSNL/ other TSPs will be involved in following activities:**

- Communication
- Reception/Information Centers
- Restoration of infrastructures

### **11.3.10 District Public Health Engineering will be involved in the following activities:**

- Drinking Water arrangements
- Restoration of infrastructures

### **11.3.11 Dakshin DinajpurRigional Transport Authority will be involved in the followingactivities:**

- Provision of vehicles
- Transportation of materials
- Manpower etc.

### **11.3.12 WBSUEDCL will be involved in the following activities:**

- Restoration of infrastructure
- Provisions of power

Others Stake holders in the following activities:

### **11.3.13 Office of the CMOH:**

Emergency ambulance services round the clock through trained paramedics who will be mainly performing functions:

- Assessing the patients
- Resuscitation
- Stabilizing that includes clearing airway
- Control of bleeding and circulation, splint age etc.
- Rushing the patient to the suitable hospital
- Paramedic services in case of disasters
- Training of the public students and others in emergency first aid
- Maintaining round the clock control room, wireless connectivity with 108 control room.

**11.3.14 DICO will be involved in the following activities:**

- Public Information
- Communication
- Reception/Information Centers

**11.3.15 Civil Defence and NCC army will be involved in the following activities:**

- Search and Rescue operations
- Evacuations
- Traffic Management And Security of properties
- Temporary shelters
- Disposal of Dead
- Relief Distribution
- Relief Supplies

**NGOs/CBOs**

The role of NGOs is a potential key element in disaster management. The NGOs operating at grassroots level can provide a suitable alternative as they have an edge over governmental agencies for invoking community involvement. This is chiefly because, the NGO sector has strong linkages with the community base can exhibit great flexibility in procedural matters vis-à-vis the government.

**Chapter 12**  
**STANDARD OPERATING PROCEDURES (SOPs) AND CHECK LIST**

**12.1 Disaster situations:**

‘Disaster’ is defined as a crisis situation causing wide spread damage which far exceeds our ability to recover. Thus by definition, there cannot be perfect ideal system that prevents damage, because then would not be a disaster. Disasters lead to loss of human lives on a large scale. If a formalized and timely response does not take place, the death toll can increase immensely. Therefore each district in coordination with the State formulates a District Response Plan consisting of Emergency Support Functions(ESFs) related to Communication, Search and Rescue, evacuation, law and order, medical response and Trauma Counseling, water supply, electricity, warning and transport etc. All of these emergency functions consist of emergency plans that would be activated at the time of emergency. It has to suffocate to ability to recover, only then it can be called as a ‘disaster’. Disasters are not totally discrete events. Their possibility of occurrence, time, place and severity of the strike can be reasonably and in some cases accurately predicted by technological and scientific advances. It has been established there is a definite pattern in their occurrences and hence we can to some extent reduce the impact of damage though we cannot reduce the extent of damage itself.

**Operational Check-Up of Warning Systems:**

It is imperative that preparedness and warning systems are designed to reach the entire population, including seasonal populations and remote locations. These communication systems should be two-way and interactive to allow for verification that warnings have been received, and to be able to monitor the impact of an event. Warning alerts and messages should be geographically specific so that warnings are targeted to those at risk only.

It is also advisable to ensure that multiple communication mediums are used for warning dissemination (e.g. mass media and informal communication). Warnings generated should be distributed to those at risk by credible sources (e.g. government, spiritual leaders, and respected community organizations).

Volunteer networks can also be trained and empowered to receive and widely disseminate hazard warnings to remote households and communities. Relying solely on technology, such as mobile telephone communications, which are vulnerable during hazard events, should be avoided. Dissemination systems should be tailored to the needs of individual communities (e.g. radio or television for those with access; and sirens, warning flags or messenger runners for remote communities). Warning alerts and messages should also be tailored to the specific needs of those at particularly high risk (e.g. for diverse cultural, social, gender, linguistic and educational backgrounds). Messages should incorporate the understanding of the values, concerns and interests of those who will need to take action (e.g. instructions for safeguarding livestock and pets). It is also important to try to minimize the number of false alarms to maintain trust in the warning system.

Sl.No	Agency responsible	Emergency Communication with Hotline Number	Emergency Communication with Hotline Number
1	Support Agencies	Emergency Management	
		Fire Departments	
		Ambulance	
		Police	
		State EOC(Warning Point)	
		Electricity	

Sl.No	Organization
1	National warning stem(NAWS) and IMD
2	National Weather Service(NWS) National Oceanic & Atmospheric Administration Weather Radio Service
3	Emergency Alert System
4	State operated Two way radio systems
5	Local Government Radios
6	Sirens, Horns, Or mobile public address systems
7	Telephone

**Dissemination of warning to the general public major emergencies will be**

Sl.No	Equipment
1	Siren system
2	Emergency Alert System
3	Weather alert radios
4	Mobile public address systems as appropriate
5	House to house alert by emergency personnel

**ESF Response Actions, Organizational Setup**

The Response plan establishes an organized setup to conduct ESF operations for any of the Natural and Manmade Disasters. It outlines an implementing framework of sharing resources as per the requirement within National and State level department will be engaged to support during an emergency situation. The Response Plan has structured the response of all line department i.e. primary and supporting departments to be organized and function together with grouping capabilities, skills, resources, and authorities across the State and district Government with the ESF plan. The plan unifies the efforts of State Departments and supporting agencies to be involved in emergency management for a comprehensive effort to reduce the effects of any emergency or disaster within the state.

The ESF activates under the guidance of Responsible Officer (District Magistrate) who is also a head of Incident Response System (IRS). Under the IRS a team of 20 ESFs nodal officers works together also called as Disaster Management Team (DMT). DMT would also be constituted at District level with district level nodal officers. The members of Disaster Management team would also head primary agency and simultaneously coordinate with the secondary agencies. Each of the primary and secondary agencies would also comprise of quick response team trained to carry out their functions at the response site. The success of ESF will be of critical importance and would reflect in the lives saved in the golden hour. Below a list of ESFs has been given which will activate at district level during emergency situation

**ESFs Activated at the Time of a Disaster**

**ESF - 1 Communications (BSNL)**

The communication ESF is primarily responsible for restoration of communication facilities. The ESF on Communication should ensure the smooth flow of information that can cater to the outreach in a time-sensitive manner at District level in response efforts.

**Situation Assumptions**

- There would be a congestion in the network because of increased calls to control rooms due to panic created in the community.
- The initial reports on damage may not give a clear picture of the extent of damage to communication network.

The affected site may cut off from the state control rooms and the officials on site and find difficulty in communicating to the District EOC

**Suggested supporting agencies** :NIC, Revenue wireless, Ham Operators, Private telecommunication service operators and mobile phone services operators etc

**SOPs for Nodal Agency:**

Team leader (TL) of Communication ESF will activate the ESF on receiving the intimation of occurrence of the disaster from the State EOC.

TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.

TL would establish contact with the district EOC for First Information Report

TL requests for reports from local ESF contact persons (this would be the local office of ESF Nodal Agency) to understand the current situation and action taken Based on information given by the supporting agencies,

TL decides on the need to launch an assessment mission to estimate the extent of damage to telecom services and network as well as to come up with possible arrangements to establishing reliable and appropriate network.

TL communicates situation to supporting agencies and also requests to provide details on the status of equipment and infrastructure in the affected area(s).

TL informs the Incident Commander on the status of telecom services.

TL works out a plan of action for private telecom companies and convenes a meeting of all ESF members to discuss and finalize the modalities.

TL issues orders to establish systems and reports to EOC, SW, on the action taken. New phone numbers and details of contact persons would also be communicated. If required mobile exchanges would be deployed.

TL gets the temporary telephone facilities established for the public. Prior information on this would be announced through media

HAM radio operators would be informed about the current requirements and coordination mechanisms shared.

TL monitors the situation and arranges emergency staff required to operate established systems.

TL sends the Sub-division Quick Response (SQR) team at the affected site with the required equipments and other resources.

**SOPs for Quick Response Team on Communication:**

The QRT (Quick Response Team) members will reach to the nodal office as soon as they will get instructions from the TL.

Once the QRTs receive any intimation from the nodal officer to reach at the site they would rush to the site.

At the emergency site QRT members will take stock of the situation from the IC and would also know about their counter parts.

QRTs would assess the ground situation and would send sect oral report to the District ESF agency. A sect oral report would contain following contents:

o An assessment of overall damage, listing specifically:

o Overhead route damage (in miles/kilometers).

o Cable damage (in yards/meters).

o Specific equipment damaged.

o Establish a temporary communication facility for use by the public

Identify requirements of manpower, vehicles and other materials and equipments Give priority and concentrate on repairs and normalization of communication system at disaster affected areas.

Begin restoration by removing and salvaging wires and poles from the roadways with the help of casual laborers.

Carry out temporary building repairs to establish a secured storage area for the s equipments and salvaged materials.

Report all activities to head office

Begin restoration by removing and salvaging wires and poles from the roadways through recruited casual laborers.

- Establish a secure storage area for incoming equipments and salvaged materials.

### **ESF-2 Evacuation:**

The ESF on evacuation is primarily responsible for establishing evacuation plans, identification of fastest evacuation routes and alternate routes and coordinating evacuation logistics during field operations.

#### **Situation Assumptions**

- Most of the buildings would be damaged and would not remain serviceable.
- Many structures would be damaged and there would be an urgent need to evacuate.

**Suggested supporting agencies:** Police, Fire Service, Directorate of Health Service and Civil Defense, Army etc.

#### **SOPs for Nodal Agency:**

- Team leader (TL) of Evacuation ESF would activate the ESF on receiving the warning of the disaster from EOC, SW.
- TL would inform Nodal Officers (NOs) of supporting agencies about the event and ESF activation.
- TL will direct the QRTs to be deployed at the affected site.
- TL will gather information on availability of predefined evacuation routes.
- Where the predefined evacuation routes are not available, the nodal officer would coordinate through EOC, SW, with other ESFs nodal officers and the support agencies about clearing of routes and identifying alternate routes.

#### **SOPs for Quick Response Team on Evacuation:**

- The QRT members will reach the nodal office as soon as they get instructions to do so from the TL.
- Once the quick response teams receive an order from the nodal officer for reaching the site they would rush to the site.
- On reaching at the site the QRT members will take stock of the situation from the Incident Management Team at the site and their counter parts.
- The quick response teams with the help of local task forces will start evacuating peoples to safe shelters or open areas.
- The QRT members should concentrate more on evacuation in areas that have been worst affected by the disasters.
- Reporting about all the activities to head office

### **ESF-3 Search and Rescue:**

Search and Rescue operations are one of the primary activities taken up in a post disaster situation. The promptness in these operations can make a remarkable difference in the amount of loss of life and property.

#### **Situation Assumptions**

- Local community task forces will initiate search and rescue at residential level
- Spontaneous volunteers will require coordination
- Access to affected areas will be limited.
- Some sites may be accessible only through air routes only

**Support agency:** Department of Revenue, Police, Civil Defence, NDRF & Army

#### **SOPs for Nodal Agency:**

- R.O. will call the TL of Primary Agency and get the ESF activated.
- Team Leader of primary agency will call nodal officers of supporting agencies.

- TL would activate the Quick Response Team.
- Quick Assessment of the S& R operations through Aerial surveys
- Assessments of the specific skill sets and the other equipments required.
- Using IDRN network to check and map the availability of resources in and round the disaster site.

**SOP for Quick Response Team on Search & Rescue:**

- Assessment of damage (locations, number. of structures damaged, severity of damage)
- The QRTs will be deployed at the affected site.
- Enlisting the types of equipment required for conducting the S&R
- QRTs will report the situation and the progress in response activities to the respective EOCs.

**ESF - 4 Law and Order:**

The ESF on Law and Order maintains the law and protects the property and valuable commodities. It is mainly responsible to control crowd and avoid riots situations.

**Situation Assumptions:**

- There would be panic and people will gather at a place.
- The crowds may go out of control.
- Riots may also take place.

**Suggested Support Agencies:** Civil Defence, Home guards, Central Paramilitary Forces, Army etc

**SOPs for Nodal Agency:**

- R.O. will call the TL of Primary Agency and get the ESF activated.
- TL of primary agency will call nodal officers of supporting agencies.
- TL would activate the Quick Response Team.
- The QRTs will be deployed at the affected site.
- Cordoning of area to restrict movement of onlookers, vehicular and pedestrian traffic should be done.
- Any additional requirements at site to be taken care of.

**SOPs for Quick Response Team on Law and order:**

- Quick assessment of law and order situation in affected areas
- Support and coordinate with Local Administration
- Prepare updates on the law and order situation every 4-6 hours and brief the authorities
- Controlling situations like rioting and looting, and cordon off sensitive areas
- QRTs will guide property and valuables in affected areas.
- Control and monitor traffic movement.
- QRTs will provide diversion of traffic on alternate routes as and when it is necessary.
- QRTs will also provide information about traffic flow along various corridors, especially heavy traffic or congested roads.
- QRTs will communicate to police control rooms, details on the field activities including deployment and reinforcement of staff and resources and communicate nature of additional requirements.

**ESF -5 Medical Responses and Trauma Counseling:**

The ESF on Medical Response and Trauma Counseling will look after emergency treatment for the injured people immediate after the disaster take place.

**Situation Assumptions:**

- Emergency Medical services will be required by affected population
- Likely outbreaks of epidemic diseases after the disaster.
- Hospital services would be affected





## **SOPs for Nodal Agency**

- R.O. will call the TL of Primary Agency and get the ESF activated.
- Team leader (TL) of primary agency will call nodal officers of supporting agencies.
- In coordination with the transportation ESF, it will ensure a critical number of medical professionals to be reached at the site including specialists from other states.
- If temporary housing arrangements are being made for the affected population, the ESF must ensure high standards of sanitation in settlements in order to reduce epidemic outbreak.
- Ensuring the provision and continuous supply of medical facilities (medicines, equipments, ambulances, doctors and manpower etc) required at the disaster affected site and the hospital health centers catering to disaster victims.
- In case of orthopedic care required in disasters like earthquakes the immediate response would have to be complimented by a follow up treatment schedule for a majority of the patients in/ near their place of residence.
- Trained professionals should be mobilized by psychosocial support.
- Ensuring setting up of temporary information centers at hospitals with the help of ESF through help lines and warning dissemination system.
- TL will coordinate, direct, and integrate state level response to provide medical and sanitation health assistances.
- On the recommendations of the EOC, SW, the TL also responsible to :
  - o Send required medicines, vaccines, drugs, plasters, syringes, etc.
  - o Arrange for additional blood supply. Send additional medical personnel equipped with food, bedding and tents etc.
  - o Send vehicles and any additional medical equipment.

Providing medical services as reported by the Chief District Medical Officer with District Control Room.

- Procedures should be clarified in between:
  - Peripheral hospitals
  - Private hospitals
  - Blood banks
  - General hospitals and
  - Health services established at transit camps, relief camps and affected villages.

QRTs should maintain check posts and surveillance at each railway junction, ST depots and all entry and exit points from the affected area, especially during the threat or existence of an epidemic.

## **ESF- 6 Water Supply:**

The ESF on drinking water and water supply will ensure provision of basic quantity of clean drinking water and water for other purposes in a manner that does not allow the spread of diseases through the contamination of water.

## **Situation Assumptions:**

- Existing water storage bodies will be damaged and unusable.
- There would be an urgent need of water to assist victims in rescue operation.
- Break down of sanitation system.
- Contamination of water due to outflow from sewers or due to breakage of water pipelines.

## **SOPs for Nodal Agency:**

- Team leader (TL) of ESF on Water Supply will activate the ESF on receiving the intimation of the disaster from EOC, SW.
- TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- Will ensure special care for women with infants and pregnant women.
- Provide for sending additional support along with food, bedding, tents.
- Send vehicles and any additional tools and equipments needed.

### **SOP for Quick Response Team (QRT) on Water Supply:**

- QRTs will ensure that supply of drinking water is made available at the affected site and relief camps
- QRT's will ensure the temporary sewerage lines and drainage lines are kept separate.
- QRTs will report the situation and the progress on action taken by the team to the EOC, SW.
- QRTs will intimate their TL of the additional resources needed.
- Carry out emergency repairs of all damages to water supply systems.
- Assist health authorities to identify appropriate sources of potable water.
- Identify unacceptable water sources and take necessary precautions to ensure that no water is accessed from such sources, either by sealing such arrangements or by posting the department guards.
- Arrange for alternate water supply and storage in all transit camps, feeding centres, relief camps, cattle camps, and also the affected areas, till normal water supply is restored.
- Ensure that potable water supply is restored as per the standards and procedures laid down in "Standards for Potable Water".
- Plan for emergency accommodations for staff from outside the area.
- QRTs will ensure timely response to the needs of the affected victims.
- QRTs will set up temporary sanitation facilities at the relief camps.

### **ESF – 7 Reliefs (Food and Shelter):**

In the event of a disaster there would be a need of disbursing relief materials due to massive destruction of life and property taken place. The ESF on Relief should ensure coordination of activities involving with the emergency provisions of temporary shelters, emergency mass feeding and bulk distribution of relief supplies to the disaster victims as also the disaster managers and relief workers.

### **Situation Assumptions**

- Probability of shortage of a critical resources
- Immediate assistance to the community at the time of resource shortage particularly when affected area is larger.

### **SOPs for Nodal agency**

- TL will activate the ESF on receiving the information of the disaster from EOC, SW.
- TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- TL will coordinate with all state and district level suppliers as identified with under IDRN.
- TL with coordinate with other ESFs related to transportation, debris and road clearance to ensure quality supply chain management of relief materials.
- Ensuring composite relief with availability of complimentary relief material.

### **SOP for Quick Response Team (QRT) on Relief:**

- QRTs will report to site of the relief camps
- QRTs will be responsible to manage and distribute relief items to the affected victims
- QRT's will be responsible for reporting the progress on action taken by the team to the EOC.
- QRTs will provide information to their TL about the need of additional resources.
- Clearing of the areas to establish relief camps
- Setting up relief camps and tents using innovative methods that can save time
- Assist local authorities to set up important telecom and other service related facilities
- Initiate, direct and market procurement of food available from different inventories and reassuring food supplies to the affected population
- Preparing take-home food packets for the families
- Ensuring distribution of relief material to the all the people including vulnerable groups of the target area such as women with infants, pregnant women, children, aged people and handicapped.
- Ensuring support to Local Administration
- Locating adequate relief camps based on damage survey
- Develop alternative arrangements for population living in structures that might be affected even after the disaster.

### **ESF-8 Equipment support, Debris and Road clearance:**

The importance of this ESF emanates from the fact that most large scale hazards such as earthquakes, cyclones, floods primarily affect the building structures.

#### **Situation Assumptions:**

- Access to disaster-affected area would depend upon the re-establishment of ground and water routes.
- Early damage assessment may be incomplete, inaccurate and general. A rapid assessment may be required to determine response time.
- Engineers and masons may be required in large scale for the inspection of present buildings.

#### **SOPs for Nodal Agency:**

- Team leader (TL) will activate the ESF on receiving the information of the disaster from EOC, SW.
- TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- TL will coordinate with the supporting agency to mobilize equipments from the ware houses through IDRN database
- The respective supporting agencies will contact their respective personal to move the equipments to central warehouse
- The equipments like JCB, concrete cutters identified as per the need will be transported to the site.
- As per the information the nodal officer of Debris road clearance will make an assessment on of the damages of roads and built structures at the site and surrounding areas
- The nodal officers of Supporting Agencies will immediately start debris clearance operation to enable movement to the affected site.
- Review of the current situation is taken up by the nodal agency to update the support agencies and to delegate their respective personnel to take precautionary measure to plan de-routes for the transportation ESF's to be operational
- All supporting agencies will inspect the road and rail network and structures within the disaster site and surrounding.
- TL will also ensure proper corpse disposal and post mortem by coordinating with ESF on medical response.

### **ESF-9 Electricity:**

The ESF on electricity will facilitate restoration of electricity distribution systems after a disaster. In the event of a disaster there would be major electricity failure and many power stations damaged.

#### **Situation assumptions**

- Prolonged electricity failure.
- The affected victims may be panicked
- Halt of all activities specially jamming communication networking systems in the affected site.

#### **SOPs for Nodal Agency:**

- R.O. will call the TL of Primary Agency and get the ESF activated.
- TL of primary agency will call nodal officers of supporting agencies.
- TL would activate the State Quick response Team.
- The QRTs will be deployed at the affected site.
- TL will dispatch emergency repair teams equipped with tools, tents and food.

#### **SOP for Quick Response Team on Electricity:**

- The QRT members will reach the nodal office as soon as they get instructions to do so from the TL.
- QRT members would reach to the site immediately after receiving instructions from the nodal officer
- On the site QRT members will take stock of the situation from the IC at the site and their counter parts.
- The QRTs will coordinate, collect, process, report and display essential elements of information and facilitate support for planning efforts in response operations.
- Begin repairing and reconstruction work

- Assisting hospitals in establishing an emergency supply by assembling generators and other emergency equipments, if necessary.
- The members of QRTs will establish temporary electricity supplies for other key public and private water systems
- The members of QRTs will establish temporary electricity supplies for transit camps, feeding centers, relief camps, District Control Room and on access roads to the same.
- The members of QRTs will establish temporary electricity supplies for relief material godowns.
- Compile an itemized assessment of damage, from reports made by various electrical receiving centers and sub-centers.
- Report about all the activities to the head office.

### **ESF -10 Transports:**

The ESF on Transport should ensure smooth transportation links at state and district level. Within the disaster context, quick and safe movement of material and humans are a priority. It should coordinate the use of transportation resources to support the needs of emergency support forces requiring transport capacity to perform their emergency response, recovery and assistance missions.

### **Situation assumptions**

- The state civil transportation infrastructure will sustain damage, limiting access to the disaster area.
- Access will improve as routes are cleared and repaired.
- The movement of relief supplies will create congestion in the transportation services.

### **SOPs for Nodal Agency:**

- TL of Transportation ESF will activate the ESF on receiving the intimation of the disaster from EOC, SW.
- TL would inform Nodal Officers (NOs) of support agencies about the event and ESF activation.
- TL establishes contact with the district EOC for FIR
- TL requests for reports from local Transportation ESF contact person
- TL communicates situation to support agencies and requests for detailed information on the status of transportation infrastructure in the affected area(s).

### **SOP for Quick Response Team on Transport:**

- The QRT members will reach to the nodal office as soon as they will get instructions to do so from the TL.
- As quick response teams will receive instructions from the nodal officer they would reach to the site immediately.
- QRTs would report the situation and the progress on action taken by the team to the respective EOCs
- QRT will send a requirement schedule for the different modes of transportation eg. trucks, boats, helicopters to be put on stand-by.
- QRTs will ensure timely re-establishment of the critical transportation links.
- The members of QRTs will establish temporary electricity supplies for relief material godowns.
- Compile an itemized assessment of damage, from reports made by various electrical receiving centers and sub-centers.
- Reporting about all activities to the head office.

### **Standard Operating Procedure for Departments:**

#### **1. Disaster Management Department:**

The Department has been the main department entrusted with the responsibility to coordinate and manage the disasters caused by the Hazards. The department is assisted by the concerned departments/agencies to fulfill the responsibilities assigned. Pre disaster period is the normal times before the disaster months and also the time period just before the first hazard alerts are given by the meteorological department or the CWC/ Irrigation department (Floods).

### **Normal Times:**

- Holding a meeting of DDMA and with district officials concerned twice in a year before the months of April and September for reviewing the precautionary measures to be taken as per the DM Plans.
- Ensure the communication systems are fully functional for easy and quick dissemination of information. Identify any additional requirement of equipment and operating personnel.
- Updating the list of Voluntary Organizations and NGOs their contact addresses in the district.
- Ensure Mock drills are carried out periodically. Plan and organize training programs, mock drills etc. for improving community awareness and preparedness for facing the disasters till the other agencies step in.
- Prepare an exhaustive list of equipments used during emergencies such as tractors, bulldozers, transport vehicles, communication equipments, pump sets, power generators etc., their availability with Govt. and private agencies and ensure that they are in operational condition.
- Identify vulnerable points/areas in the flood banks.
- Prepare a list of all utility items for meeting any emergency, check their availability in sufficient quantities, make inventory and provide them for reference and use at all levels.
- Devise and implement continuous plan of action to cut, remove and destroy all thorny bushes and trees in vulnerable areas. They become death traps for people.
- Keep adequate number of floats like tyres, inflated rubber tubes, wooden planks, and bamboos tied as small platform for people to use for floating during floods.
- Ensure positioning of adequate quantities of vaccines in the respective storage depots. And medical facilities should be increased and Hospitals/PHCs equipped in such a way that they are able to meet emergency situations and requirement of the affected people.
- Ensure that the Veterinary Dept. should plan and strengthen the systems for ensuring prompt veterinary services to the animals and poultry birds. And ensure positioning of adequate quantities of life saving drugs and constitution of medical / Para medical teams.
- Identification of suitable higher places for construction of Helipads. And Plan for construct shelters in any newly identified vulnerable areas. Ensure that the existing shelters are maintained in fit condition.
- Storage facilities for food and essential items should be augmented and inventories are maintained
- Review the existing flood control structures such as river dams and bunds of rivers, canals and tanks. Based on previous experience, build new bunds and raise/strengthen the existing bunds.
- Review the power distribution system the transmission and distribution towers should be designed to withstand the extreme condition of winds in cyclone.
- Ensure that the line departments mainstream DM activities in their departmental Plans and also review the progress made during each year.

#### **Pre Disaster:**

- The control Rooms should function round the clock till the necessarily ceases. Its contact numbers should be notified in the district editions of the News Papers and also communicated to all Officers in the district. All reference data, copies of all the contingency plans of district and departments with maps and updated DM Plan should be made available.
- Appoint Nodal Officers to oversee the implementation of Disaster Situation to cover all the vulnerable Taluka and Villages. They should be positioned in the threatened area to coordinate the evacuation and response action of the stakeholders.
- Inspect the Cyclone Shelters and take up repairs as necessary. And indentify all vulnerable points/areas in the flood banks. Ensure that inspection of lock points of rivers and mouths and outlet points of drains.
- Ensure inspection of flood and cyclone stores and make available the required material.
- Organize mass media campaign for Awareness generation among public on natural hazards, which will help build the knowledge, attitude and skills of the people in vulnerability reduction and suitable disaster risk management measures.
- Communicate immediately the first flood warning to the likely affected area up to Village level and alert all concerned to prepare for facing the disaster. The Control Room at Dist. will keep in constant touch with flood warning centers, obtain updates and communicate at frequent intervals.

#### **During Disaster:**

- The Officer in-charge of the Control Room should maintain a record of incoming and outgoing messages. All the incoming messages should be sent to DC and ADC and in their absence the DRO.
- All the warnings should be communicated immediately to all the district officers, Divisional officers, Tahasildars by-e-mail, wireless, Telephone etc. Record of the messages sent should be maintained.

□The Deputy Commissioner shall convene a meeting with all the District Officer at the earliest and issue instructions to all the Nodal Officers or Special Officers to proceed to the areas allotted immediately and report to the Collector that they have reached their Dakshin Dinajpur headquarters, allotted to them and should not leave the area till the clearance is received from the Collector.

□Evacuate marooned and stranded people to safer places such as flood shelters, high raise buildings, schools etc.

□Monitor and rescue people continuously by organizing search through Army, Navy, Air force, Voluntary and youth organizations by deploying navy boats and helicopters. Make arrangements for moving such affected people to the nearest relief camps.

□Keep details of availability of equipment such as power generators, tractors, bulldozers, transport vehicles, communication equipments, pump sets etc; their availability with Govt. and Private agencies, for evacuation and ensure that they are in operational condition.

□Keep adequate number of vehicles ready at the nearest possible point/area to evacuate people in time before the hazard strikes.

□Keep adequate number of floats like tyres, inflated rubber tubes, wooden planks, bamboos tied as small platform for people to use for floating during flood situation.

□Provide first aid and medical assistance for injured and sick people. Special care should be taken for the aged and disabled people, children and pregnant women.

□Deployment of staff in their respective areas with medicines. Nominate medical officers to coordinate with the officers of Dakshin Dinajpur District.

□Finalize shelter places in the villages as per the inventory and indentified locations in the map, and arrange temporary shelters using tents, Tarpaulins, Plastic sheets etc. Provision of electricity to the identified shelters.

□Deploy Police personal and Volunteers for law and order and provide medical help, if needed transport cases to nearby PHCs/Medical Aid-posts. Liaise with Railways to provide rescue and relief to stranded passengers.

□Relief camps for provision of food and drinking water for the evacuated people. Provide temporary sanitation measures for men and women. Ensure adequate security through police at relief camps and at the evacuated villages.

□Identify safe elevate places for animals and advise cattle owners to move them as soon as the order for evacuation is given. And provide fodder & water to the animals where feasible, Carcasses of dead animals should be done quickly to prevent outbreak of infection.

#### **Post Disaster:**

Huge relief material stocks would be arriving from outside of the affected area and this requires advance planning, provision of staff for receiving, sorting, distribution and dispatch to the areas needing the material.

□Restoration of Road and Tele-communication, Electricity, Drinking Water Supply and House construction to the effected people on priority basis.

□Proper record should be made for the dead and missing persons and notify to the concerned authorities for providing compensation on short and long term basis.

□Ensure Mass inoculation and vaccination programmes in the affected areas to prevent outbreak of epidemics by coordinating with Medical & Health Department. Additional medical facilities, hospital and PHCs may be planned and built for meeting increasing requirements.

□Continue Search and disposal of the dead bodies and the carcasses. Ensure sanitation of highest order is maintained at relief camps and affected villages.

□It is essential that spread of epidemics is prevented among people and animals. Respective Departments should take adequate measures by improving sanitation, drinking water and by vaccination. NGOs and other voluntary organizations should be encouraged to run community kitchens at relief camps and marooned.

□The Dist. authorities and Line departments should provide comprehensive loss reports to the visiting State and central Govt. teams for arranging compensation. Record all the relief measures taken

□Supply of all essential commodities, such as rice, wheat, pulses, salt, kerosene, diesel etc. should be ensured to all the habitats in the disaster affected areas.

DM/SDO/BDOs & other Line Deptts. to arrange for documentation/ record of relief items received from various agencies, distributed and remaining and remaining balances. Reports to be sent to the district administration

Enumeratio of Losses and Damages in a systematic manner, documenting and reporting the same.

**Village level:**

Convening of the meetings of the Village Committees under the Chairmanship of the concerned Village Accountant during the first week months of April and September to discuss about the preventive steps.

Formation of Village Level Teams for assisting evacuation, patrolling etc.,

Identification of area from which people are like to be evacuated to safer places in case of cyclone or floods.

Identification of low lying areas in the village.

Identification of areas which people are likely to be evacuated to safer places in case of cyclone or floods.

Preparation of list of phone numbers of Officials concerned at District, Divisional, and Village level.

List of fishermen families and particular of boats with addresses of owners, if it is a fishermen village.

Identification of Relief Centers and the areas tagged and on to the Relief Centers. Preparation of the list of BPL families in the village.

List of fishermen families and particulars of boats with addresses of owners, if it is a fishermen village.

Identification of storage facilities.

Availabilities of cooking vessels.

List of private vehicles such as Tractors, Jeeps, etc., in the village.

List of nearby private hospitals with phone numbers of Doctors etc.,

List of tanks affecting Railway, if any, in the village.

Identify higher places for the standing for the cattle in the case of flooding.

List of cyclone shelters, other public & Private buildings, temples, churches etc.,

**2. Police Department:**

The Police Department is one of the key Government departments. Both in the normal times when no disasters occur and in times of disasters, this department is an asset to community and it has to respond very well in various critical events.

**Normal Times :**

SP of Dist. will make arrangements for providing adequate number of mobile VHF sets up to District/village Police stations for meeting the exigencies.

Ensure that Police stations are equipped with sufficient number of cars/jeeps fitted with wireless sets and trained personnel to handle them.

List out trained persons responsible at Dist and Village level Police stations for disaster management activities with details of address and phone numbers. Provide this list to Dist Collector and concerned line departments.

Prepare a Dist. wise list of retired/reserve constables/drivers/ other use-full personnel. Their services could be used during future emergencies. The lists will be kept in all Police stations in vulnerable areas.

Plan and execute Dist. wide training programs for Police personnel with improved techniques for better management of disasters in future.

**Pre Disaster Phase:**

The Police authorities shall provide VHF/Mobile wireless sets with operators in Control Room at Deputy Commissioner and at other temporary Control Rooms already setup. Ensure adequate numbers of VHF sets are provided at Taluk and vulnerable villages for effective communication.

Establish communication with Control Room. Wireless station to be kept round the clock if necessary wireless stations to be set near the villages. And keep the officers standby.

Collect information of vulnerable points and diversion routs for all Roads in the district from the engineering departments responsible for the maintenance and plan for traffic control.

Procurements of necessary equipment, storage of petroleum and other lubricants.

Pass effectively all communications of warnings and precautions received from Control rooms and media to the public through announcements and by loud speakers.

Shall obtain sufficient maps from the Collectorate regarding vulnerable village's areas/habitations. These maps shall be distributed to the sub-divisional officers/circle inspectors on as required basis.

- Training to teams on Disasters, roles and responsibilities and allotment of duties to these affected areas.

### **During Disaster Phase:**

- Ensure passage of warnings and precautions to the people in affected areas of Mandals and Village Police Communication network. Alert teams and arrange to deploy them at risk points.
- Keeping close contact with Deputy Commissioner, and collect all vital information and inform district authorities. And Coordinate the search & rescue operations.
- Superintendent of Police will coordinate with Deputy Commissioner and other agencies for providing assistance to rescue and evacuate people in the affected areas of Taluka and Villages.
- Identification of sensitive areas and patrolling, patrolling on important building/highways
- Close contact with armed forces for specialized assistance/equipment for search and rescue.
- Establish radio communication to assist evacuation, information dissemination and checking rumors.
- Evacuation of People & immediate reporting to higher authority
- Assist seriously injured persons to go to treatment centers.
- Assist and encourage the community in road-clearing operation.
- Traffic management and patrolling as required
- Identify the register the name of the dead and disposed persons.
- Help revenue and medical department in transporting Injured and sick persons to Medical centers.
- Ensure enforcement of law and order in the affected/evacuated villages and at shelters to avoid thefts and unlawful acts.
- Assisting the community in organizing emergency transport for injured

### **Post Disaster Phase:**

- Continue to pass warnings and precautions to the people in affected areas. Introduce latest transport and communication facilities.
- Assist local officers in identifying the dead persons and for making proper records. Continue to Coordinate with DCs for rescue, relief and rehabilitation. Police Dept. Should provide maximum services by getting additional persons from Police stations of unaffected Districts. They should further coordinate and assist NCC, Scouts, Guides, Army, Navy and Air force personnel in all rescue, relief and rehabilitation activities.
- Update list of trained Police personnel at Districts. /Dakshin Dinajpur and provide them to concerned authorities. And up-date lists of retired constables and drivers in each Dist. /Dakshin Dinajpur for use during future disasters.
- Provide assistance to people who are in a position to move from relief camps to their places where ever normalcy returns. Ensure strict maintenance of law and order in the affected/evacuated villages and at shelters.
- Officers made available to inquire into and record of deaths, and make arrangements for post mortem of dead person with legal procedure for speedy disposal. Assistance to district authorities for taking necessary action against hoarders, black marketers and those found manipulating relief material and Provide security / bandobust to VIPS.
- Provide security in transit and relief camps, affected areas, lifeline infrastructures & services, ensure identified are cordoned off
- Provide security arrangement for visiting VVIPS and VIPs
- Assist administration to take necessary actions against holders, black marketers and those manipulating relief materials.
- Support administration, Medical, community members in disposing dead bodies

### **3. Medical & Health Department:**

#### **Normal Phase:**

- CMOH of District Hospital shall prepare a Hospital Disaster management Plan to deal with mass casualty management and emergencies.



- Take precautionary measures for hospital safety during disasters since hospitals are life line buildings so as to serve unitereptduly. All structural and non- structural measures shall be taken up to make hospital safe.
- Conduct mock drills in normal times to have an idea about hospital preparedness.
- To identify the requirements of equipment and medical stocks that is needed during various kinds of emergencies.
- To build network with referral hospitals, blood banks, ambulance services, etc.
- To prepare a contingency plan as a part of Hospital DM Plan to handle specialized emergencies during Chemical, Industrial, Nuclear Disasters, etc.

**Pre Disaster Phase:**

- Prepare a list of precautions to be taken by the public before, during and after the disaster to ensure that they maintain normal health under adverse conditions during the disasters and arrange for propagation in the Dist.
- CMOH to prepare and circulate in vulnerable areas, a list of precautions to be taken by the public before, during and after the disaster to ensure that they maintain normal health under adverse conditions.
- Plan methods for quick transportation of seriously injured and sick person from disaster areas to specialties hospitals for effective treatment.
- CMOH will have arrangements for providing funds to all the Govt. Hospitals down to the PHCs during emergencies. CMOH will nominate a nodal officer from his Dept. to be with MROMPDO, assist and coordinate all the medical relief activities during the disaster.
- After receiving the first flood warning, alert Dist. Health Officer (CMOH) to plan and keep in readiness mobile hospitals, emergency field medical teams, Para medical teams, surgery facilities, first aid kits etc. with sufficient equipments and medicines at Dist.

Hospitals and PHCs. They should be in a position to move to the affected areas at short notice.

- Keep teams of doctors ready with stocks of medicines required for relief to move to vulnerable areas in short time. Stock adequate quantities of medicines, lifesaving drugs, disinfectants, vaccines, inoculations and chlorination equipment.
- Ensure availability of adequate doctors, trained personnel, medical stores and equipment for movement at short notice to vulnerable areas. Make provision of sufficient number of ambulances and transport vehicles. Plan additional space for extra beds in hospitals/PHCs.
- Plan for establishment of field medical centers, mobile clinics, emergency operation centers and trauma counseling centers at vulnerable areas on short notice.
- Plan for stocking sufficient quantities of blood of different groups at nearby Blood banks. Update the list of Govt. /private doctors and supporting staff whose services can be utilized during emergencies. Instruct them to be in readiness to move at short notice.
- CMOH to prepare and circulate in vulnerable areas, a list of precautions to be taken by the public before, during and after the disaster to ensure that they maintain normal health under adverse conditions.

**DURING DISASTER PHASE PHASE:**

- CMOH will be in regular touch with District Collector and Control Room to know the severity of situation and extend medical services accordingly in the affected areas. A medical control room at district and division levels shall be established with help lines.
- Where ever necessary seriously injured and sick persons are shifted to Dist./State/Referral hospitals for specialist services. Provide fist aid and medical assistance for injured and sick people. Special care should be taken for the aged and disabled people, children and pregnant women.
- CMOH will move maximum number of medical and Para medical teams, ambulances and mobile hospitals with adequate equipments, medicines etc. to the affected area and provide medical assistance round the clock to the people. Each team should be allotted specific place in the disaster area and specified relief centers.
- CMOH should take all measures to ensure that replenishments are made continuously. CMOH will requisition the services of medical teams from unaffected Districts. For use in disaster affected areas. CMOH will liaise with State for providing additional specialists teams and equipments from State headquarters and other States.

- Ensure that sufficient numbers of temporary medical camps are set up in the affected areas. CMOH will take maximum precautions to prevent breakage of epidemics/waterborne diseases in the disaster areas.
- Utilize the services of private doctors, allopathy, ayurveda and Homeopathy in the disaster-affected areas. Organize mobile health units and temporary hospitals for providing medical relief and for preventing break of epidemics. Teams of specialist doctors will tour affected areas with adequate medicines and equipments for providing on the spot specialist services.

**Post Disaster Phase:**

- Ensure that CMOH and other medical authorities at Dist. and down-stream levels are in constant touch with Control Rooms, know the latest situation and expand medical facilities accordingly. Ensure continuation of educating people on precautions to be taken for maintaining hygiene and health in adverse conditions.
- CMOH to continue provision of medical facilities at the affected areas and relief camps till the people return to their places. Ensure adequate measures to continue for preventing break of epidemics by using disinfectants and chlorination.
- CMOH will obtain information on the medical relief provided at disaster areas, quantities of medicines used, the quality of services provide by medical and Para medical staff, the adequacy of medical facilities available at vulnerable areas and forward to State for future action.
- Maintain a record of persons treated with full details and particulars for reference at later date. Update and send plans for additional requirement of facilities, infrastructure to be created at vulnerable areas. Prepare a document on the event and send to State authorities for reference in future.
- Ensure continuation of educating people on precautions to be taken for maintaining hygiene and health in adverse conditions. CMOH to continue provision of medical facilities at the affected areas and relief camps till the people return to their places.
- Ensure adequate measures to continue for preventing break of epidemics by using disinfectants and chlorination. CMOH will obtain information on the medical relief provided at disaster areas, quantities of medicines used, the quality of services provide by medical and Para medical staff, the adequacy of medical facilities available at vulnerable areas and forward to State for future action.
- Maintain a record of persons treated with full details and particulars for reference at later date. Update and send plans for additional requirement of facilities, infrastructure to be created at vulnerable areas. Prepare a document on the event and send to State authorities for reference in future.
- Vector borne like malaria, filarial, dengue, chikungunia, Japanese encephalitis, sprinkling of bleaching power and lime on the drains and roads to prevent gastro enteritis with the help of Sanitation team.
- During the natural calamities the immune states of the children will reduce naturally. Hence there is need of Post disasters immunization like Polio, Measles and Vitamin- A.

**4. Animal Husbandry Department:**

**Normal Phase:**

- Demographic profile of families engaged in fishing, fish farming, poultry, dairy, sheep, goat and pig rearing, their location, unit size etc will be mapped and provided in their Plan. The fishing activity includes, fishing on sea, rivers, canals, lakes, tanks, brackish waters etc.
- Cattle rearing community at vulnerable places will be advised not to go for heavy animals, since shifting them during disaster period would be difficult. Plan and implement schemes for educating fishermen and animal rearing communities of the vulnerable villages, on the measures to be taken before/during/after cyclones to avoid loss of lives and properties and animals.
- Sufficient publicity will be planned at villages through visual education, training and mock drills. Identify safe shelter places for animals with adequate fodder and water facilities in all vulnerable villages for use during disasters.
- The department has to prepare a departmental DM plan including resource of inventories, list of shelter places, medical needs, awareness generation plan, etc. The mitigation measures for life loss shall be worked out in detailed.

### **Pre Disaster Phases:**

- District authorities will activate control rooms, flood-warning centers. Ensure that flood warnings and precautions are properly received by the vulnerable communities and prepare them to face the disaster.
- Demographic profile of families engaged in fishing, fish farming, poultry, dairy, sheep, goat and pig rearing, their location, unit size etc will be mapped and provided in their Plan. The fishing activity includes, fishing on sea, rivers, canals, lakes, tanks, brackish waters etc.
- Cattle rearing community at vulnerable places will be advised not to go for heavy animals, since shifting them during disaster period would be difficult. Move cattle, sheep, goats, pigs etc to safer cattle yards from vulnerable areas and provide fodder and water
- Ensure that boats and other equipments of fishermen are moved to safer places and secured in association with fisheries department. Staff meant for emergency duties will be sent to their respective places of work and will be ready to undertake rescue and relief measures.
- Provide medical help to distressed animals.
- Chalk out a strategy to deal with drought situation so as to ensure continuous supply of fodder and water to the animals.

### **During Disaster Phase:**

- The control rooms and flood-warning centers at Districts will provide/send warning and other information to all affected areas. The dept will ensure that flood warnings and precautions are properly received by the vulnerable communities and face the disaster.
- Dakshin Dinajpur and Villages will arrange for shifting fishermen staying very near the sea and at low lying areas to safer places and relief camps. Ensure that boats and other equipments of fishermen are moved to safer places and secured.
- Ensure that poultry farms take measures to safeguard their poultry birds and equipments. Move cattle, sheep, goats, pigs etc to safer cattle yards from vulnerable areas and provide fodder and water
- Arrange for providing medical help to distressed animals. Ensure sufficient quantities of medicines and vaccines are stored at places nearer to the vulnerable villages. Arrange for visits of veterinary doctors to affected villages.

### **Post Disaster Phase :**

- Ensure that control rooms and flood-warning centers at different locations of this District will continue sending messages to the affected villages.
- Plan and implement schemes for educating fishermen and animal rearing communities of the vulnerable villages, on the measures to be taken before/during/after floods to avoid loss of lives and properties and animals. Sufficient publicity will be planned at villages through visual education, training and mock drills.
- For increasing the awareness among fishermen community, provide training/conduct mock drills.
- Coordinate for veterinary help to distressed animals. Ensure supply of medicines and vaccines at places nearer to the vulnerable villages. Coordinate for mass vaccination wherever necessary. Plan for strengthening storage facilities for medicines and vaccines.
- Private Doctors to establish veterinary service centers in vulnerable areas. Plan for more mobile health units for cattle.
- Provide sufficient food/fodder/water for animals kept at safe yards. Coordinate for veterinary help to distressed animals. Ensure supply of medicines and vaccines at places nearer to the vulnerable villages.

**5. Agriculture Department:** Agriculture Department always sustains losses/damage when floods and cyclone occur in the State. The quantum of losses is proportional to the intensity, time and duration of the hazard. It is difficult to prevent such losses but remedial measures can be taken to save the crops and if this is not possible to go in for alternative measures suitable for the area and type of soil.

### **Normal Phase :**

- Plan and equip the Dist. to have latest technologies to assess the standing crop position, with reference to probable disaster, mechanism to advice farmers for safe guarding and in case of losses, procedures to estimate the damages and to inform State authorities.
- Ensure that regular feedback is provided by Blocks indicating seriousness of disaster, level of distress, position of standing crop and likely losses.
- Districts will prepare a long term action plan for meeting relief requirements of farmers in vulnerable areas.

- Estimate drought proneness and plan for such contingencies
- Create awareness among farmers on various kinds of threats and possible mitigation measures
- Prepare departmental action plans with all plausible mitigation measures to minimize crop losses with long term perspective

#### **Pre Disaster Phase:**

- Collect standard data base village wise, crop wise, survey number wise, farmer wise data from village KPS.
- Formation of GP,Block,Sub-division and District Level Disaster Management Team with other departments consisting Agriculture, Veterinary, Sericulture, Fisheries, Horticulture, Revenue, Panchayat Raj, Irrigation, and Drainage etc.
- Existing seed storage godowns (Seed store/oil seed godowns etc) are to be repaired for storing of seeds during calamities. Formation of seed banks are encouraged to construct pucca godowns to store harvested produce under Govt. schemes.
- Preparation of Contingency plan for the department.
- Assignment of roles and responsibilities to all the staff so that they can act accordingly at the time of a disaster.
- Listing down of available resources within the department that can be utilized at the time of disaster.
- Proper Training/Awareness programmes of different type of disaster must be conducted in every GP, Block and district Head Quarter.
- Farmers who prepared for disaster are more likely to preserve life and property. They will also minimize recovery time and resume productivity much faster.
- Farmers must update list of pesticides, fertilizers, fuels, medicines and chemicals. During a disaster, these chemicals can wash into streams or contaminate food supplies, placing people and animals at risk.
- In addition to family disaster kits, agriculture producers should also keep on hand additional supplies to protect the farm.
- Update credit facilities and crop insurance details from financial institutions
- Ensure that sufficient quantities of agricultural inputs such as seeds, fertilizers, pesticides, equipments and fodder are available at three levels. If necessary, they will be supplied at short notice at vulnerable areas.
- Move and position the staff meant for disaster management duties at their pre-decided places. They should move in villages and advise farmers on precautions to be taken for protecting the standing crop.
- The nodal officer should ensure that suitable instructions are issued to their field officers including their duties and function before, during and after disasters.

#### **During Disaster Phase:**

- Coordinate with Sub-division, Block & GP Level Offices to get feedback on seriousness of disaster, level of distress, relief provided, steps taken for saving maximum standing crop, extent of flooded agricultural lands and estimated loss of crop.
- Dist. will direct Block /Villages to be in close coordination with other line departments to ensure adequate relief is provided to the farming community.
- Establish linkages with State/District Control Rooms
- The Department of Agriculture will assist in assessment of damage to Agriculture & farming community and help them to restart their agriculture/ farming operations.
- Ensure availability of staff teams (extension officers and others) visiting/stationed at respective disaster sites with necessary equipments, medicines, logistic support and authority as planned and establish communication links.

#### **Post Disaster Phase:**

- Village level team should visit the vulnerable cropped area and give suitable technical advices to the farmers.
- Ensure that adequate and timely relief/credit is made available to farmers for purchase of agricultural inputs through Govt. /private and easy loans through banks.
- Seeds, fertilizers and pesticides should be provided at subsidized rates. Ensure all relief measures, credit facilities and inputs are made available continuously to farmers till their next crop is harvested.
- Develop data base village wise crop wise, irrigation, source wise, insurance details, credit facilities tec., with an objective of forecast of damages due to disasters.
- Fodder should be supplied in sufficient quantities at low prices.

- The enumeration team while enumerating the crop loss, should also record the names of the tenant farmers, along with the owners name. They should also record extent cultivated by the tenant farmer.
- Assess the extent of damage to soil, crop, plantation, micro-irrigation systems, storage facilities and intervention (estimate the requirement of seeds, fertilizers, pesticides, labour, tools and equipments etc.

**Responsibilities of Officials:**

Sl No	Designation	Responsibilities of Officials
1	Joint Director of Agriculture	<ul style="list-style-type: none"> <li>Ø Formation of Teams</li> <li>Ø Formation of Control room</li> <li>Ø Trainings to Astt. Director of Agriculture.</li> <li>Ø Preparation of advanced precautionary measures,Pamphlets,Leaflets.</li> <li>Ø Advance indent of seeds &amp; other inputs etc.</li> </ul>
2	Assistant Director of Agriculture	<ul style="list-style-type: none"> <li>Ø Data base collection</li> <li>Ø Trainings to AEOs</li> <li>Ø Inputs requirement</li> <li>Ø Disseminating warning to AEO</li> <li>Ø Supervision &amp; Inspection of crop and land, damage prone areas in advance &amp; consolidation of crop &amp; land damage information.</li> <li>Ø Conducting meetings with farmers once in a season at their Blocks.</li> </ul>

**6. PWD(Civil) and PWD(Roads) :**

**Normal Phase:**

- Private buildings will be identified suitable for use as shelters by the departments at Districts. And Blocks. Prepare list of such buildings and provide them to necessary authorities.
- Direct Dist. and Blocks authorities to inspect and identify roads, bridges, culverts and buildings which are vulnerable for floods and repair/strengthen them.
- The identified weak bridges and culverts weak ones should be demolished and the new ones are to be constructed. Buildings which are in collapsible stage should be demolished. New roads/repair of roads should be carried out. The roads/buildings should be made hazard proof.
- Ensure that building codes are strictly followed by public in disaster prone areas. They should be made mandatory.
- In case of heavy rains, the roads are prone to breaches. Vulnerable points have to be listed out in advance and indicated in maps. They shall be reviewed every year before themonsoon and repair accordingly.
- Ensure that the new construction does not block natural drainage lines. Enough culvertsetc. may be provided.
- A good network of motorable roads should be constructed in all vulnerable coastal areas.This not only facilitates quick evacuation at the time of need, but also the supply of relief to the needy, in the aftermath of flood.
- Retrofitting of buildings, building foundations and structures should be made as a component of disaster management policy, applicable in vulnerable areas. Suitable guidelines may be issued for retrofitting.
- Dist. authorities will inspect and identify roads, bridges, culverts and buildings which are vulnerable for floods and repair/strengthen them.
- Ensure that building codes are strictly followed by public in disaster prone areas. They should be made mandatory.
- In case of heavy rains, the roads are prone to breaches. Vulnerable points have to be listed out in advance and indicated in maps. They shall be reviewed every year before themonsoon and repair accordingly.

**Pre Disaster Phase:**

- S.E shall conduct the disaster preparedness meeting twice in a year and advice the fieldfunctionaries to gear up for the situation such meetings shall be organized well advance before the onset of monsoon.
- The EE shall verify the working condition of the machinery once in three months.
- Shelters and private buildings identified for use as relief camps should be checked andstrengthened where ever necessary. Special attention should be given for securing weakdoors, windows and compound walls.

- Direct Districts and blocks to make a final check of roads, bridges, culverts and buildings and carry out urgent repairs wherever necessary.
- Shelters and private buildings identified for use as relief camps should be checked and strengthened wherever necessary. Special attention should be given for securing weak doors, windows and compound walls.
- Dist. authorities to make a final check of roads, bridges, culverts and buildings and carry out urgent repairs wherever necessary.
- Move machinery and equipment meant for repair of roads and buildings. And for removing obstructions nearest to the vulnerable areas for use during emergency.

**During Disaster Phase:**

- Observation of the cyclone movement and situation
- Alerting field teams.
- Enquiring the availability of machinery and requesting them to keep them ready for deployment wherever necessary.
- Deputing field staff from non-affected areas to assist staff in likely affected areas.
- Staff on leave should return to their Head Quarters.
- No leave shall be sanctioned at the time of disaster.
- Preparation for post disaster activities.

**Post Disaster Phase:**

- Ensure restoration of traffic movement wherever possible by quick repairing of breaches. Inspection of roads to be carried out and traffic obstruction to be removed. Assessment of damages to be done and proper reporting to authorities should be done.
- Coordinate with State and plan for providing adequate number of drains by the side of roads, particularly considering the past experience.
- Sanction and execution of temporary restoration works. And updation of maps
- Steps will be taken for raising the stretches of roads passing through low areas and increase drainage facilities with prior approval of the State.
- Create a reliable road network that connects vulnerable areas and selected nodal centers, from where transport, relief and rehabilitation operations can be undertaken during future disasters.

**Roles and Responsibilities:**

Sl No	Designation	Roles and Responsibilities
1	Jr. Engineer (SAE)/Assistant Engineer	<ul style="list-style-type: none"> <li>Ø Identification of vulnerable points</li> <li>Ø Preparation and submission of estimates for taking up and strengthening of vulnerable points.</li> <li>Ø List out the machinery like power saws, JCBs etc., with their conditions and submit to the Dy. Executive Engineer.</li> <li>Ø List out the contractors with their address and contact numbers.</li> <li>Ø Inspection of weak and narrow Bridges, Culverts and cause ways with details of repairs to be taken up.</li> <li>Ø Identification of over flowing locations impending disaster.</li> <li>Ø Identification and removal of weak and dried trees along the road side.</li> <li>Ø Alternate routes to be identified and listed out.</li> <li>Ø Execution of works approved and preparation and submission of bills for payments.</li> </ul>
2	Executive Engineer	<ul style="list-style-type: none"> <li>Ø Sanction of estimates submitted by Assistant Engineer.</li> <li>Ø Entrustment of works to the contractors on nomination basis or short tender basis.</li> <li>Ø Verification and super check measurement of all works executed by Jr. Engineer(SAE).</li> <li>Ø Payment of bills to the contractors.</li> </ul>

3	Superintending Engineer	Ø Sanction of estimates submitted by Executive Engineer Ø Entrustment of works to the contractors on nomination basis or short tender basis. Ø Verification and super check measurement of all works executed by AE / EE. Ø Getting all correspondences regarding activities to be taken including all repairs or construction pre, during and post disaster with district administration.
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## 8. Irrigation and Waterways Development Department :

### **Normal Phase:**

Materials such as empty cement bags, sand, metal, stone bellies etc. will be stocked in adequate quantities in all flood stores for immediate use before and during floods.

Ensure no human encroachment near the drains and settlements in the low-lying areas.

Ensure repair /restoration of canals, Irrigation tanks and desalination of damaged agricultural fields.

### **Pre Disaster Phase:**

Catchments maps are to be ready for all irrigation sources. And all the vulnerable locations in the sources are to be identified along with the Water Users Associations / Distributory Committees / Project Committees.

Check and repair the main Irrigation canal system and control structures.

After receipt of first flood warning discharge through dams all lower riparian rights villages downstream of the dam are required to be given the information to the District Magistrate, Exe.Engineer of the concerned district.

During the closure period the irrigation staff has to procure required stores i.e. empty gunny bags, sand, bullies of 1m length with 100mm dia, gaslights, bamboo thatties, gamelas, country twine, needles, crow bars, hammer with handles, torch light etc. One flood store will be maintained under the control of each Deputy Commissioner. The flood store will keep empty sand bags, dewatering pumps, diesel generators, tarpaulins, tents etc.

The Asst. Engineer should make arrangement to intensify patrolling of river banks round the clock and as soon as the reservoir comes to full tank level and the spillway gates are to be operated to avoid further storage in the reservoir with intimation to Revenue Authorities.

Before cyclone / flood the AE / EE will inspect each and every vulnerable points and the areas prone for inundation for taking precautionary temporary measures and the summary of all actions intimated to the higher officers.

Materials such as empty cement bags, sand, metal, stone bellies etc. will be stocked in adequate quantities in all flood stores for immediate use in the event of disaster.

Strengthen the weak bunds of all irrigation sources and arrange for patrolling weaker points to avert breaches.

Ensure that all the irrigation drains are cleared of blockades and obstructions.

Move all emergency duty officers/staff and equipments to vulnerable area.

They should be ready to take up emergency works.

### **During Disaster Phase:**

Materials such as empty cement bags, sand, metals, stone bellies etc. will be stocked in adequate quantities in all flood stores for immediate use for plugging the breaches.

After receiving 1st warning the status of flood is to be intimated to the District Magistrate, Dakshin Dinajpur and NGOs to address public in all the adjacent villages & it is to be intimated to AIR and for live telecast channels.

Strengthen the weak bunds of all irrigation sources wherever necessary to prevent breaches. Assistance from local people is to be utilised and exploited.

After receiving cyclone/ flood warning from catchment area to source utilization location the departmental field officers have to inspect all the sources jurisdiction wise.

After flood / cyclone warning, control room are to formed at SE/EE/ offices respectively and required vehicles are to be kept at store sheds to carry the materials to the spot required. Ensure that all the irrigation drains are cleared from obstructions.

Continue to clear the mouths of all drains for free flow of flood water.

#### **Post Disaster Phase:**

After floods recede necessary arrangements have to be made to the farming community to safeguard agriculture by making temporary restoration arrangements to the affected irrigation sources, which include forming ring bunds, plugging breaches, removing of all shoals and rectifying damages to structures.

The officers involve for restoration of post disaster damaged irrigation sources are Jr. Engineer (SAE)/ AE, , EE, and SE. and identify the breaches and take up restoration work.

Restore the damaged infrastructure. Attempts will be made for farming community to start agriculture within minimum possible time to bring the socio economic life back to normal in the affected areas.

Review and request for construction of dams, check dams and new irrigation/drainage canals for long term improvement and for sustained economic growth.

Suggest measures for strengthening the river banks and canal bunds to avoid breaches.

#### **Public Health Engineering :**

##### **Pre Disaster Phase:**

SAE/ AE will identify the non – functioning schemes or Hand Pumps, repairs to platforms and Tap fountains including its surroundings in coordination with the GP level teams and action is to be taken to get them repaired.

The Gram panchayat shall be suitably instructed to utilize the funds for restoration of Water Supply Sources on top priority

The SAE /AE will identify the vulnerable water sources which are to be chlorinated before and after the Disaster with the help of Gram Panchayat teams.

The Hand pumps existing in the low lying area shall be raised to the expected maximum flood water level by raising the casing pipes and platforms to avoid possible contamination.

Keeping ready stock of Liquid Chlorine / Bleaching powder with the Gram Panchayat and to observe proper chlorination being done regularly

Ensure identification of the Safe sources in the Gram Panchayat area and adjacent areas where safe water can be brought in case of submergence of the area.

The unsafe sources if any shall be suitably marked and shown to concerned team members.

The safe source including private sources are to be identified with proper testing for potability using the field testing kits available.

##### **During Disaster Phase:**

Keep ready stock of all relevant items with the department

Ensure that the list of tankers are to be ready by the SAE/AE along with capacity of tankers, their address, contact numbers and distance from a vulnerable areas.

Availability of generators and their owners along with contact address and distance to the vulnerable area are to be ascertained by the assigned team members.

During the disaster awareness is to be created by the team members among people to construct and use ISLs in order to avoid open defecation during Cyclone/ Floods. The vulnerable villages are to be brought up to Nirmal Gram Panchayat status.

It is to be ensured that during relief operations safe drinking water is provided to the affected persons.

##### **Post Disaster Phase:**

The list of damages occurred during cyclone/ floods are to be identified by the SAE / AE in consolidation with the Team along with required budget for temporary / permanent restoration.

Ensure that permanent restoration may also be taken with local funds if the amounts required are small.

Monitoring of water quality should be restored or initiated immediately. Post disasters daily determination of the chlorine residual in public water supplies is sufficient.

Ensure that Chlorine and chlorine – liberating compounds are the most common disinfectants. Chlorine compounds for water disinfection are usually available in chlorine base forms.



Chlorinate lime or bleaching powder, which has 25% by weight of available chlorine when fresh, its strength should always be checked before use.

If the damage for water is urgent, or the repaired main cannot be isolated, the concentration of the disinfecting solution may be increased to 100 mg/ litre and the contact period reduced to 1 hour.

**Roles and responsibility:**

Sl No	Designation	Roles and Responsibilities
1	Superintending Engineer	<ul style="list-style-type: none"> <li>Ø To consolidate the information on vulnerable areas and location of hand pumps and schemes safe / unsafe low lying areas and maps.</li> <li>Ø Indent for required pump sets, hand pump spares, minimum stock for material required for PWS/ CPWS schemes with proper sanctions at district level</li> <li>Ø To arrange for training of RWS &amp; S Staff and awareness through EE/ AE to Pradhans / Nirman Sahayaks / Secretaries on maintenance of Schemes / Hand pumps, Chlorination etc.,</li> <li>Ø Keeping active the Monitoring cell at District level, Division level, Sub division Level, Block Level, GP Level.</li> <li>Ø Monitoring Cyclone/Flood Related Activities</li> <li>Ø To consolidate requirement of funds for permanent measures and submission to the head of the department for sanction.</li> <li>Ø Liaison with other line departments for proper coordination of relief operations.</li> <li>Ø To consolidate the information on vulnerable areas and location of hand pumps and schemes safe/ unsafe low lying areas and maps.</li> <li>Ø Submission of requirement of pump sets , hand pump spares, minimum stock of all materials required for PWS / CPWS schemes to the SE</li> </ul>
2	Executive Engineer	<ul style="list-style-type: none"> <li>Ø To arrange for training of RWS staff and awareness through EE/ AE to Pradhans / Nirman Sahayaks / Secretaries on maintenance of Schemes / HandPumps, chlorination etc.,</li> <li>Ø Deployment of AE / SAEs from unaffected areas to the affected areas.</li> <li>Ø Monitoring the Cyclone/ Flood related activities.</li> <li>Ø To consolidate the requirement of funds for permanent measures and submission to the superintending Engineer for sanction.</li> <li>Ø Liaison with other line department for proper coordination of relief operations.</li> <li>Ø Submission of audited utilization certificates.</li> </ul>

**9. WBSEDCL: Normal time activity:**

Establish at each sub-station a disaster management tool kit comprising cable cutters, pulley blocks, jungle knives, axes, crowbars, ropes, hacksaws and spinners. Tents for work crews should also be in storage. Action Plan Objective in a Disaster Situation should be to restore the power supply and ensure uninterrupted power to all vital installation/facilities at sites.

**Activities on Receipt of Warning or Activation of DDMP**

Within the affected district/Blocks, all available personnel will be made available to the District Collector. If more personnel are required, the cut of station officers or those on leave may be recalled. All personnel required for Disaster Management should work under the overall supervision and guidance of Deputy Commissioner. Establish radio communications with district control room and departmental offices within the district. All district level officials of the department would be asked to report to the collector. Appoint one officer as "NODAL OFFICER - Power Supply" at district level. Review and update precautionary measures and procedures and review with staff the precautions that have been taken to protect equipment and the post disaster procedures to be followed. Assist the district authorities to make arrangements for standby generators in the following public service offices from the time of receipt of alert warning

- Hospitals
- Water Supply Deptt.
- Police Stations

- TelecommunicationOffices.
- Meteorological Stations.
- Fill department vehicles with fuel and park them in a protected area.
- Check emergency tool kits, assembling any additional equipment needed.
- Immediately undertake inspection from the time of receipt of alert warning ofHigh tension lines,Towers.Substations,Transformers,Insulators,Poles.

On the recommendations of the collector/district control room/" Officer-in- Charge – Power Supply" of the department in the district will Instruct district staff to disconnect the main electricity supply for the affected area Dispatch emergency repair gangs equipped with food, bedding, tents, and tools on the recommendations of the collector/district control room/" Officer-in- charge.

**Relief and Rehabilitation: Field office priorities:**

- Hire casual laborers on an emergency basis for clearing of damaged poles and salvage of conductors and insulators.
- Begin repair/reconstruction.
- Assist hospitals in establishing an emergency supply by assembling generators and other emergency equipments, if necessary.
- Establish temporary electricity supplies for other key public facilities, public water systems, etc.
- Establish temporary electricity supplies for transit camps, feeding centres, relief camps, district control room and on access roads to the same.
- Compile an itemized assessment of damage, from reports made by various city supply electrical receiving centers and sub-centers.
- Report all activities to the head office.
- Establish temporary plan for emergency accommodations for staff from outside the area.

**10. Telecom Department:**

Establish radio communications with state control room, district control room and departmental offices within the district. All personnel required for Disaster Management should work under the overall supervision and guidance of District Magistrate. Appoint one officer as "NODAL OFFICER-Communication" at the district level. Review and update precautionary measures and procedures, and review with staff the precautions that have been taken to protect equipments and the post-disaster procedures to be followed. Fill department vehicles with fuel and park them in a protected area.

- Inspect and repair all
- Radio masts
- Anchorages
- Foundations and cables
- Poles
- Overhead circuits.

Upgrade outside equipment to withstand wind speeds and other adverse weather conditions. Designate at each exchange a member of staff (such as an inspector) as a disaster officer. He must live in the area, be instructed in the likely effects of a disaster, and should be knowledgeable about necessary precautions and post-disaster procedures. House all electricaland switching equipment in damage-proof buildings. All storage batteries should be chargedfully during alert for long use in the post disaster period, when the electricity supply is not likelyto be available. Establish an emergency tool kit at each exchange, including:

- Cable cutleries
- Cutting pliers
- Spanners
- Ropes
- Ratchet tension
- Crosscut saws
- Pulley blocks with rope
- Hand gloves

Check emergency tool kits and assemble any additional equipment needed. Provide at least two tarpaulins in every building with radio equipment, Tele printer equipment, and manual and auto exchanges. Install standby generators in all exchange buildings for the recharging of batteries. Secure all outside equipment to the extent possible. Arrange for the transport of additional vehicles for inspectors. Assemble equipment and emergency stocks of materials likely to be necessary for restoration of services. Arrange emergency standby cable for dispatch to the affected area immediately after the disaster. Remove fuses from the lines and disconnect the power supplies to equipment in disaster areas, if necessary.

### **Relief and Rehabilitation: Field priorities:**

Give priority and concentrate on repairs and normalization of communication in disaster areas. Identify the public services within the affected community for which communication links are most vital, and establish a temporary service, if feasible. Establish a temporary communication facility for use by the public.

- Identify requirements, including;
- Manpower needed
- Vehicles needed
- Materials and equipments needed.

Begin restoration by removing and salvaging wires and poles from the roadways through recruited casual labourers. Establish a secure storage area for incoming equipments and salvaged materials. Carry out temporary building repairs for new equipments. Report all activities to head office.

### **11. Panchayati Raj Bodies :**

#### **Normal Phase:**

- Convening the special meeting of Gram Panchayat meeting inviting Field Level Officials, GP Members, Youth Groups, Village elders, NGOs, and other organizations institutions and officials working in the Gram Panchayat to discuss on the management of disasters and constitution of Gram Panchayat Disaster Management Committee.
- Energize the Control Rooms to monitor warning signals and to pass on necessary information through wireless, HAM Radio sets, etc.
- Identification of Vulnerable areas discussion for various activities and preparation database.
- Selection of Cyclone shelters/ relief centers for shifting people / livestock to safer places. Ensure periodic inspection and repair of shelters and other buildings identified for running relief camps.
- The plans prepared for disaster management for implementation at Samsad levels will include all works related to drinking water, minor irrigation canals, minor tanks and bunds, safe shelters, sanitation, food other essential items. These plans are to be sent to Blocks much in advance for implementation.
- Request GPs & Blocks to implement plans for provision of safe drinking water. Lay down procedures and mechanism for implementing long term sanitation requirements and their maintenance.
- Plan and provide sufficient number of hand pumps, bilge pumps and other suitable equipment to drain water quickly. Drinking water hand pump sets should be planned and constructed above the normally expected flood level.
- A list of water tankers available with public/private departments /agencies will be prepared with requisite details. Their services will be used during floods for supply of safe drinking water.
- Depending on the topography, high and low levels of lands in Blocks and Villages, the natural drainage routes for rainwater will be identified. They will be suitably mapped. Steps will be taken to ensure that these routes are maintained and never blocked.
- Private buildings will be identified suitable for use as shelters by the departments at Districts. And Blocks. Prepare list of such buildings and provide them to necessary authorities.

#### **Pre Disaster Phase:**

- District level committee shall have public representatives and they will participate and take steps for facing the disaster. The control room will be activated.
- Mapping of resources of NGOs/CBOs/ Charitable Organization to arrange training programmes and to make special arrangements for evacuation of old, handicapped, children, expectant and lactating mothers.

Identification of alternative road/ path/ route to reach the cyclone centers/ relief centers safely. And constitute volunteers teams in consultations with the members present in the Gram Panchayat meeting habitation wise.

Conduct training programme and Mock drills on the disaster management for the following:

Members of Gram panchayat Members and officials of other institutions. NGOs and other voluntary organization.

Ensure flood shelters and other buildings identified for running relief camps & carrying on relief operation. And keep the shelters and other identified public buildings in good condition ready for use.

Direct the Gram Samsad to take advance action for provision of safe drinking water during crisis. Make arrangements for maintaining continuous supply and availability of food, kerosene and other essential items.

Direct line authorities to position sufficient number of hand pumps, bilge pumps and other suitable equipment to drain water quickly.

Alert the Dept. to position water tankers available with public/private departments/agencies for providing safe drinking water in the likely affected areas.

Direct authorities to ensure that the natural drainage routes are kept free in all vulnerable villages to allow flooders to drain quickly. Rural Water supplies should be maintained efficiently to avoid disruption. Chlorine/bleaching powder should be stocked in sufficient quantities.

Identify low-lying areas and arrange for clearing off water in case of inundation. Clear all the drains to ensure free flow of storm water.

The village Disaster Management Committee shall procure tarpaulins other materials from agricultural market committee, corporations and locally, to meet the future requirements.

Identify dried branches of trees of roads sides and cut them to avoid accidents, the dried up wood stored and may be used at cooking centers.

The Gram Panchayats shall take steps to keep the required sand bags and wooden poles at the vulnerable points like M.I tanks, ponds etc.

The Gram Panchayat shall clean the drainage system and arrange additional drainage system to drain the excess water.

#### **During Disaster Phase:**

The control room will be further strengthened.

Control Room will monitor warning signals / precautions and pass the information to the people through wireless, HAM Radio sets.

Direct the Gram Samsad to take suitable action for provision of safe drinking water in affected villages and at relief camps through tankers and other means.

Coordinate with line authorities to drain water quickly. First priority for water pump houses, sub stations hospitals etc. Second priority will be residential areas. Ensure that flood water drains out through natural drainage routes by removing obstructions if any.

Direct officials to make up stocks of essential food items, medicines etc. required for distribution to affected villages and relief camps. Similarly for items required for repair works and for de-watering.

Keep ready the required rice and other provisions at centers and required fire wood, gas, gas stoves.

Keep ready for first aid teams with required medicines by contacting the local PHC, M.O. and Blocks/ position them at the cyclone centers/ relief centers.

Arrange vehicles for transport of people from the low lying areas to cyclone shelters. Assist Disaster Management Department in evacuating the people from low lying areas to safe places. Inform the people through mikes, tom-tom through the volunteer teams and help people prepare to evacuate themselves from the areas.

Inform the people to drive away the cattle sheep and goat to the safe and elevated places.

Make arrangement for the cooking and supply of food at the cooking centers identified. And keep all the sanitation material at cyclone centers/ relief centers.

#### **Post Disaster Phase:**

Removal of dead bodies, animal carcasses with the help of Disaster Management, Police and Medical Departments. Arrange for their disposal/ cremation, to prevent any epidemic.

- Planning and implementation of Rehabilitation of affected people, Repair and Reconstruction of damaged houses, physical infrastructure, etc., and return to normal economic activities including farming etc, should start immediately.
- Assist Disaster Management Department in the assessment for dead persons, livestock and damages to houses and properties of individuals, agriculture, community assets.
- Supervise the preparedness levels of Gram Panchayat by inspecting the vulnerable houses, roads, buildings, water sources contingency plan etc.
- The long term mitigation plan should be integrated with normal development plan in such manner that protective and preventive measures against the disasters are included in the implementation of all development projects under each and every sector.
- Identification of material availability locally for construction of temporary sheds.
- Ensure communication facilities such as Telephone, cell phones, wireless sets and their functioning. And procure sanitation material like lime, phenyl, bleaching powder, with the equipment.
- The repair and reconstruction activities should be integrated with the long term mitigation planning so that the quality of reconstruction and repair is in consonance with the specifications provided for disaster resistant structure.
- List out donors, philanthropists, trusts, and request them to assist in relief and rehabilitation measures.
- Mapping of Hazards and vulnerability should be initiated, if it is not done and detailed maps should be prepared for each block and district and should be placed in both district and blocks.
- Control room will continue its activities. Restore normal communication, power and drinking water facilities on priorities.
- Coordinate with line authorities to drain water quickly. First priority for water pump houses, sub stations, hospitals etc. Second priority will be residential areas.
- Special funding should be made available for the construction of physical infrastructure to include disaster resistant technologies particularly in the construction of Houses, Roads, Electric Transmission Lines, Drinking Water facilities, Bridges and Culverts, Tele – Communication Irrigation Canals, Tanks and Reservoirs, etc., for the sections which are most vulnerable. And supervise all construction and developmental activities.
- District Officials to make stock of essential food items, medicines etc and continue supply to affected people and relief camps. And make arrangement supply of food, kerosene and other essential items.

## **Media management and dissemination strategy**

### **Overview of the Role of the media in Emergency Management**

Not to be overlooked, at all levels of emergency management, is the role of the media. In emergency managements are pathways of information dissemination and channels of public demands-it is how must citizens learn about disasters. The media can be helpful, complimentary, critical or indifferent

### **Importance of the News Media**

The bottom line is that it is important to make the media part of the emergency management team prior to a disaster event. They should be brought into disaster planning and exercising activities. Their coverage will be more informed and accurate if they know the local players and programs ahead of time. You need the media to communicate to the punch in a disaster event so that you can:

- Reassure them what needs to be done is being done.
- Communicate the progress that is being made
- Provide correct and needed information and dispel rumors.

Positive Role of the Media	Negative Role of media
<ul style="list-style-type: none"> <li>· Supplies information and direction to the affected public</li> <li>· Disseminates information on preparedness measures for future similar disasters.</li> <li>· Simulates volunteerism and donations, including blood donations.</li> <li>· Discloses needs for improvement in governmental response</li> <li>· Sometimes withholds potentially counterproductive information</li> </ul>	<ul style="list-style-type: none"> <li>· The media speed up the political process of disaster and crisis management. They put pressure on the decisionmakers and crisis managers to explain and justify what they do in order to avert the threat or bring the crisis to an end</li> <li>· They make it increasingly difficult for the authorities to suspend their public appearance until the crisis is over.</li> <li>· Cause stress: News gathers frequently make demands on responders and decision-makers for time and physical human resources that are often needed in the emergency</li> <li>· Get in the way. And when they do this tends to complicate, interfere with, or confound the work of emergency management</li> <li>· Simulate and encourage political interference. The media often looks for another point of view, particularly a controversial or provocative one. Often this translates into creating a soapbox for political opponents to criticize each other and to interfere.</li> </ul>

**Techniques for dealing with the Media:**

- Take the initiative-provide information as soon as it is available
- Provide frequent updates(even if there is nothing new to report)
- Be prepared for a wide array of questions
- Do not make the “off-the-record” comments.
- Be honest and straightforward
- Avoid ambiguity and do not guess at an answer-get back in touch with the media to provide information not immediately available.
- Seek to relate to the audience
- Use a team approach and ensure media access to informed sources
- Promptly return media calls and other inquiries.
- Make special preparation for television appearance. While viewers often forget content, they do remember the style, including appearance and voice quality.
- Prepare telephone interviews, including knowing who your interviewer represents and the planned use of the material.
- Provide photo and interview opportunities, including media access to safe zones within the affected area.
- Provide background information such as maps, charts and photo to enhance print and broadcast stories.
- Be respectful, tactful, and diplomatic in dealing with journalists

**VVIP/VIP Visits:**

Visits by VIP’s can lift the morale of those affected by the disaster as well as those who are involved in the response. It has been seen that the Ministers, members of Parliament and State legislatures, local councilors, leaders of various political parties, etc. visit the scene of a disaster and the injured to mark public concern and see the disaster response. It may be possible that the scale of a disaster may in addition prompt visits of the Prime Minister, Governor, Chief Minister, etc. Sometimes their visit to the disaster site is likely to adversely affect the rescue operations, particularly if casualties are still trapped. It should be ensured that their visits do not interrupt rescue and life saving work and the police, as co-ordinator of the disaster response, should explain the ground situation to them and try to avoid their visit, if possible. However, in case the visit becomes impossible to avoid, it should fix up the timings of visits. The additional need for their security would also cause a problem. The police and the local services are, however, experienced at handling VIP visits and many of the usual considerations will apply to their visit to a disaster site. It would be desirable to restrict media coverage of such visits, in which case the police should liaise with the government press officer to keep their number to minimum. It may also be necessary for the police to brief

the VVIP/VIP beforehand about the details of casualties, damage and the nature of the disaster. It should, therefore, prepare a brief note for such briefings.

**Contact Details of District Level Officers:**

SL. No.	Name of the Officer	Tele.No.(Officer/Resi.)	Mobile No.	e-mail address
1	Dr. Smt. Deepap Priya P, IAS, D.M.	255201(O)/255202(R) 255488 (Fax)	9434055201	dm-bgt-wb@nic
2	Shri Kritibas Nayak, ADM(G)	255248(O) / 255204 (R) 255121 (Fax)	9903225934	<a href="mailto:nayak.kritibas@gmail.com">nayak.kritibas@gmail.com</a> <a href="mailto:admgeneralddinajpur@gmail.com">admgeneralddinajpur@gmail.com</a>
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22	Shri Sandip Kumar, DIO, NIC	255116	8759727627	
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26	Shri Santanu Ghosh, Dy. Secy, DDZP		8918548935	
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33	Shri Goutam De, Treasury Officer – I,	255617	8373069018	
34	Shri Animesh Saha, Treasury Officer –II	258106	8373069019	
35	Shri Ashis Kr. Kundu, RTO, Balurghat	255684	9434237824	<a href="mailto:rto_blr@gmail.com">rto_blr@gmail.com</a>
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37	Shri. Anju Sikder, BDO, Balurghat	255213	9434062673	<a href="mailto:balurghat_p.s@rediffmail.com">balurghat_p.s@rediffmail.com</a>
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39	Shri Sounak Banerjee, ARCS	255638	9933536671	
40	Shri Subhendu Seth, Supdt. of Excise	255322	9830247428	
41	Shri Sailendra Nath Tewari, DSWO	255119	9734811991	
42	Shri Dibyendu Dutta, DPO, ICDS	255119	9531611322	
43	Shri Manoj Kr. Palai, DDMO	255020	7908415016	<a href="mailto:ddmobalurghat@gmail.com">ddmobalurghat@gmail.com</a>
44	Shri Narayan Ch. Sarkar, D.I. of Schools(S.E)	255268	956388531	
45	Shri Tarun Kr. Samanta, Protection Officer		9732987312	
46	Smt. Jayeeta Mukherjee, DCPO	255455	9433433778	
47	Sri Sajal Kr. Das, ALC	255368	9830839453	
48	Shri Bimal Krishna Gayen, DPO, SSM	256822	258153	



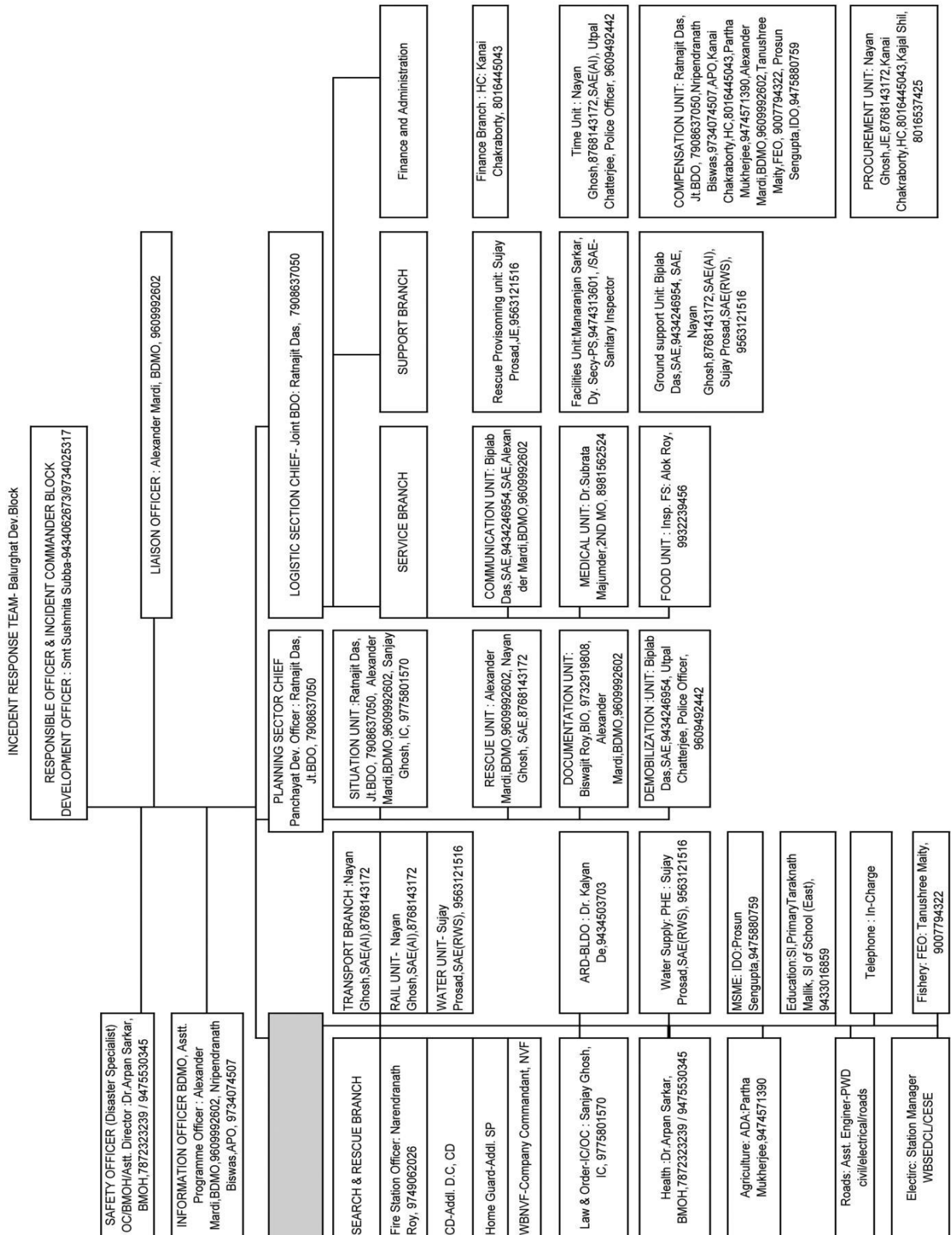
**Annexures & Maps**

**BLOCKWISE DISASTER MANAGEMENT PLAN**

**2019-20**

# Balurghat Block

## Disaster Management Plan- 2019-20



88° 40'0"E

88° 45'0"E

88° 50'0"E

88° 55'0"E

# BALURGHAT BLOCK

25° 20'0"N

25° 20'0"N

25° 15'0"N

25° 15'0"N

25° 10'0"N

25° 10'0"N



## LEGEND

- block hq
- road
- +— rail
- major drainage
- extra main river

2 0 2 Kilometers

88° 40'0"E

88° 45'0"E

88° 50'0"E

88° 55'0"E

Prepared by NRDMS Centre, Dakshin Dinajpur

## **Back Ground of Flood :**

Balurghat Block is a flood prone area which has faced devastating flood occurred in 1987, 1992, 1995, 1998, 2017 and less intensified flood occurred in 1997,1999,2000,2004,2005. The river Ichhamati & the river Atrayee and some cannels have crossed through the different area of Balurghat Block. Excess water of the river Atrayee & the river Ichhamati and some cannels under different Gram Panchayats created flood almost every year in recent past. We have experienced devastating flood last year in 2017 in the month of August. All the Atrayee river side villages of Gram Panchayats i.e. Bolla, Patiram, Boalder, Chakvrigu, Jalghar, Bhatpara and Danga were under the flood water.

## **Pre-Flood Measure:**

### **Warning about Heavy Rainfall and Cyclone**

As soon as the Message in respect of any calamity received from the higher authority, the same will be communicated to the concerned Prodhans through the under noted Telephones and sometimes through special messenger. They are also requested to make necessary arrangement for warning of the villagers about the calamity through miking. In this connection, it may be noted that at the time devastating flood the Telephone does not functioning properly due to failure of communication ; at that time sending of information by special messenger may be useful tool to combat the situation.

### **Desiltation of Danga and Kashia Khari :**

As the Danga and Kashia khari silted, at the time of monsoons the kharis are over flowed. So desiltation of the Danga and Kashia kharis under MGNREGS has been taken up. The Gram Panchayats have incorporated the scheams of desiltation of Kharies in the Annual Action Plan of MGNREGS 2018-19. Some scheams of construction of Check Dams along the kharis has been planned.

## **LIST OF VULNERABLE VILLAGES / MOUZAS (190) UNDER BALURGHAT BLOCK**

### **Bolla G.P.(20)**

Shibpur,Gorahar,PashimMaheshpur,Mosakpur,Taksoil,Mallikura,Bahicha,ParPatiram,Dhulator,Raipur,Kastagar,Badalpur,Bonhat,Hariharpur,Bora,Bidaypur,Sarangaon,Damai,Bikuch,Kashilabati.

### **Jalghar G.P.(16)**

Radhanagar,Gupinagar,Badmulluk kismet ,Fatepur, Chakvatsala, Chakharina, Gangasagar, Chakkashi, Krishnanagar, Kashiadanga, Jiapur, Palashdanga, Majhina, Trikul, Talmandira.

### **Chakvrigu**

G.P.(13)Chakvrigu,Mayamari,Chakramanath,Chakchandana,Kuaran,Mansha,Katna,Beline,Dhaul,Chandradola,Mostafapur,Chamta,Dakra, Gobindapur.

### **Boalder**

**G.P.(23)**

Baudhara,Narayanpur,Ashoir,Shibrabati,Madanganj,Parbatipur,Fulghara,Kalikapur,Boalder,Begunbari,Rajapur,LaxmiNarayanpur,Bhatra,Ossail,Kashipur,Chandipur,Debipur,Khaspur,Kanjialshi,Dharampur,Barokas hipur,Durlavpur,Dogachhi.

### **Bhatpara**

**G.P.(16)**

Meria,Kalaibari,Dangi,Khidirpur,Baidyanathpara,BudBongi,Naxa,Chakshimul,Chakram,Chakdurga, Bhatpara,Shibrampur,Bhushila,Mollapara,Majhigram,Satrai.

### **Danga**

**G.P.(21)**

Mangalpur,Hosseipur,Chakbakhar,Raghunathpur,Danga,Rainagar,Mahinagar,Madhabpara,Paranpur,Atoir,

Holidanga,Chakbijayshree,Sankoir,Ristara,Keshabpur,Chowrapara,Debrabari,UchhapukurChaksridhar, Satihar.

**Patiram**

**G.P.(19)**

Pollapara,Majhian,Raipur,Jhapurshi,Manail,Mathurapur,Faridpur,Bidaypur,Chakhai,Laxmipur,Patiram,Manipur,Barshapara,Sahartali,Chandmari,Uttar Raypur,Harpur-Patiram Uttar Purba, Arabinda Pally-Patiram Uttar Purba,Kachharipara-Patiram Uttar Purba.

**Nazirpur G.P. (8)**

Idrakpur,Baidul,Naizirpur,Dasul,Kaigram,Motra,Khanpur,Malakarpara.

**Gopalbati G.P.(15)**

Gopalbati,Jamrail,Malgram,Barkoil,Taherchak,Bamnabar,Jotegopal,Kumargram,Karimgutin,Sewai,Gurjarpur,Margram,Rajarampur,Manipur,Kuchila.

**Amritakhanda**

**G.P.(27)**

Kashimbi,Kholapara,Shalgram,Hashoil,Ayodhya,Dumoir,Satakhanda,Jhinaipota,Chingra,Kutubpur, Tulsipur, Nunail,Chhiashi,Kamarpara,Dakshin Khanpur, Chakmadhab, Panditpur, Badamail, Haripur, Kurmail, Saidpur, Barkhail, Daullya,Birohini,Shanihara,Amritakhanda,Shankarpur.

**Chingishpur**

**G.P.(12)**

Shiala,Eramkrisnapur,Durgapur,Singhail,Jabanpur,Mojaitpur,Dhainagar,Chingishpur,Pirijpur,Bangalipur,Santara,Chakhossein.

**LIST OF FLOOD SHELTERS/RESQUE CENTRES(119) – NO. OF ACCOMMODATION CAPACITY ( APPROX ) UNDER BALURGHAT BLOCK**

**Bolla G.P.(9)**

Baul High School-1000,Sarangram FP School-100,Bolla High School-2000,Patiram High School-2500,Bora FP School-80,Badalpur SS High School-100,Bolla FP School-125,Bahicha FP School-150,Bahicha L.K. High School-700

**Jalghar G.P.(10)**

Chak Kashi High School-800,Fatepur FP School-70,Radhanagar FP School-70,Trikul FP School-60, Jalghar J.B.School-500, Kashiadanga High School-800, Dharail FP School-75,Gopinagar FP School-70, Bhatshala FP School-80, Gangasagar Jr.High School-600

**Chakvrigu G.P.(9)**

Chakvrigu FP School-150,N.C High School-3000,Kalikapur High School-1000,Mamna FP School-100,Kuaran Mission FP School-100,Adibasi KMS (Katna) High School-1500, Nadipar Girls' High School-1000,Chakvrigu Vivekananda Flood Centre-1000,Dakra Flood Centre-600

**Boalder G.P.(16)**

Rajapur FP School-100, Khaspur HK high School-500, Durlavpur FP School-70,Fulghara FP School-80, Parbatipur FP School-80, Fulghara Flood Shelter-150, Kalikapur High School-1000, Boaldar FP School-100, Dogachhi FP School-80, Bara Kashipur FP School-100, Asoir FP School-80, Shibrabati FP School-

100, Osail FP School-70, Kanjalshi FP School-80, Paschim Krisnapur FP School-70, Rajua High School-1000

**Bhatpara G.P.(11)**

Dangi FP School-50, Kalaibari FP School-50, Bhatpara FP School-70, Shibrapur FP School-80, Chakram FP School-50, J.L.P Vidyachakra -1200, Khidirpur Girls' High School-700, Khidirpur FP School-70, Khidirpur High School-800, Noksha FP School-50, Badbongi FP School-50

**Danga G.P.(5)**

Mahinagar G.S.T.C-4000, Raghunathpur B.M High School-1200, Malancha Z.M.R.M High School-1500, Sirohi FP School-100, Belgharia FP School-100.

**Patiram G.P.(13)**

Patiram High School-2000, Lakshmipur FP School-100, Majhian Firm-500, Bidaypur FP School-50, Mathurapur FP School-70, Jhapurshi FP School-80, Patiram Girls' H.S.-800, Patiram 2 No. FP School-40, Laxmipur FP School-30, Barshapara FP School-50, Atoir FP School-60, Jhapursi SSK-80, Patiram FP School-100

**Nazirpur G.P. (3)**

Nazirpur High School-800, Jonti Gram F.P.school-60, Khanpur High school-900

**Gopalbati G.P.(13)**

Barkoil High School-1200, Kumargram FP School-120, Gopalbati GP Office-500, Dangbirol FP School-100, Gunjarpur FP School-70, Sewai FP School-80, Indra FP School-50, Sewai FP School-80, Harigram FP School-100, Karimgutin FP School-90, Kuchila FP School-60, Manoil FP School-60, Manipur FP School-100

**Amritakhanda G.P.(17)**

Kamarpara Health Centre-600, Kamarpara F.P.School-100, Amritakhanda Gram Panchayat.Office-300, Badamail F.P.school-100, Badamail High School-600, Amritakhanda J.B.School-150, Ayodhya High School-500, Kurmail Basic Training Centre-600, Nunail F.P.school,-60, Birohini F.P.School-70, Sanihara F.P.school-50, Hasoil F.P.School-50, Daullya F.P.School-60, Dumoir F.P. School-60, Digra F.P.School-50, Shankarpur S.S.K.-100, Amritakhanda F.P.School-90

**Chingishpur G.P.(13)**

Chingishpur High School-600, Durgapur FP School-50, Shiala FP School-70, Sanapara High School-1500, Bangalipur FP School-50, Purba Chakvikon FP School-60, Purba Hariharpur FP School-70, Bhabanipur FP School-50, Mahadipur FP School-60, Ghugudanga FP School-50, Noapara Adibasi School-70, Shobra Shyampur High School-1000, Chak Andaru FP School-70

**Submission of the Addl. Information for inclusion in the District Disaster Management Plan:**

**Annexure:**

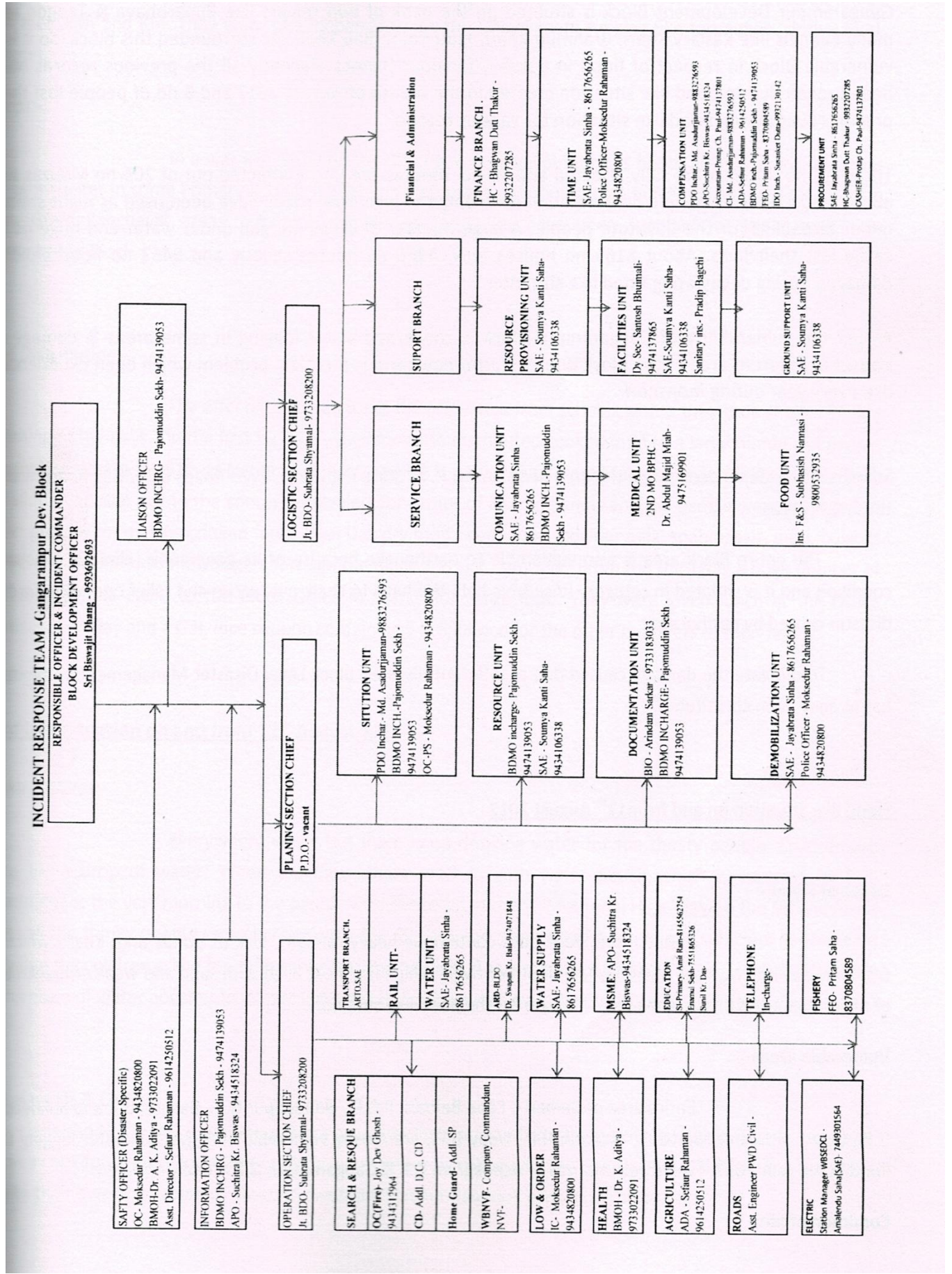
**Point 1:**

Name of the Heritage Building	Addresses	Significance	Year of Construction	Block/Municipality	Weather prone to inundation (y/n)	Weather located in landslide/EQ/Cyclone/Tsunami/Prone Zone. If so specify	Weather sufficient Fire Fighting Arrangement is there	Any special measures taken for disaster risk reduction if any	Remarks
Not Available	N/A	N/A	N/A	Balurghat	N/A	N/A	N/A	N/A	-

**Point 3:**

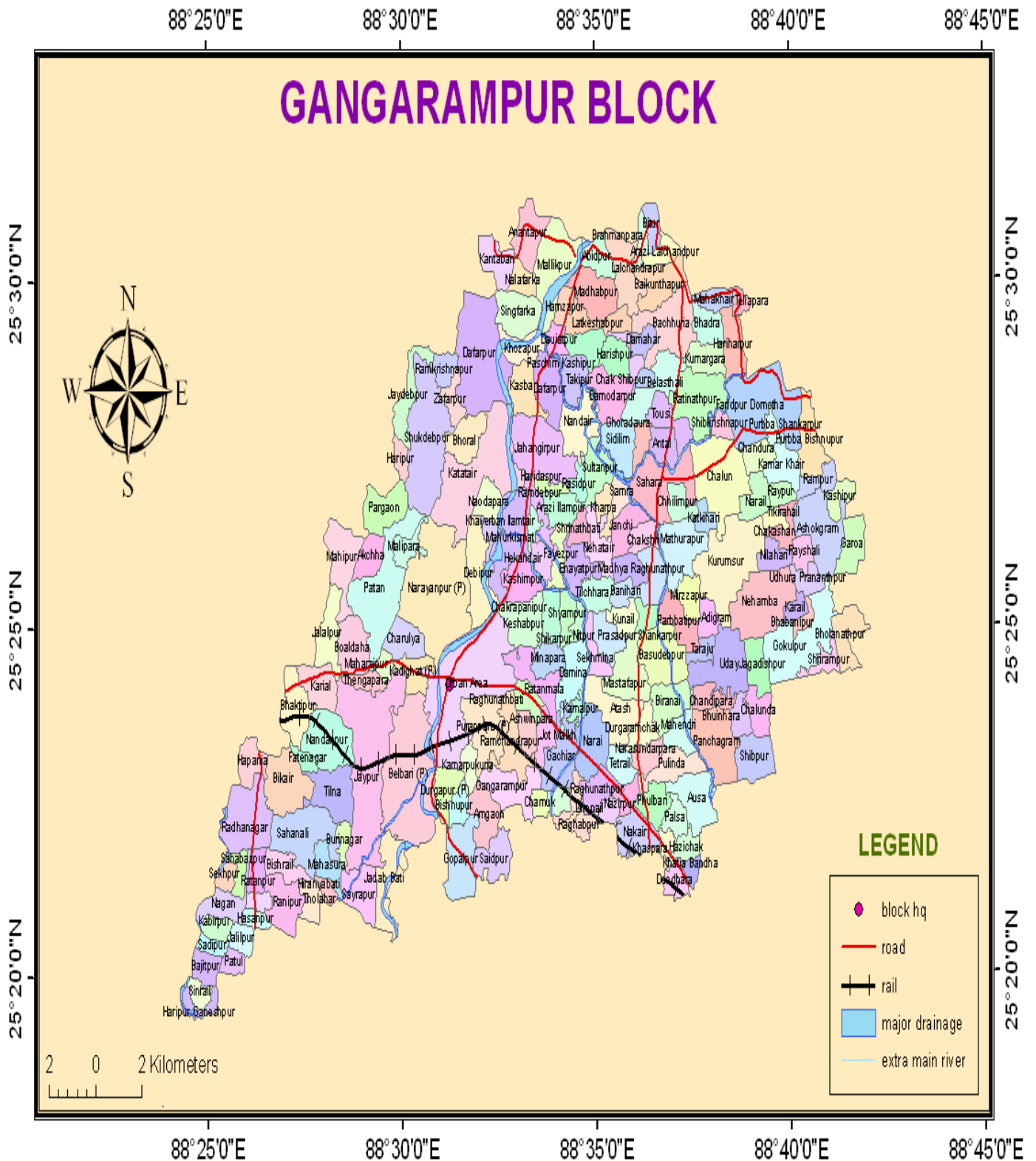
Large Crowd events	Location	Estimated Crowd Strength as per past year record	Organizing Body	Resources deployment by District administration man power/equipment /vehicle etc.
Bolla Mela	Bolla, Balurghat	1(One) lakh (Approx)	Bolla Kali Mela Committee	1.Executive Magistrates are deployed for 24x7 hours. 2.Adequate police force are also deployed for 24x7 hours. 3.Fire brigade deployment. 4. Civil Defence & Local volunteers of Mela committee.
Patiram Dham	Par Patiram, Balurghat	10(Ten) Thousand (Approx)	Patiram Dham Committee	1. Adequate police force Deployment. 2. Civil Defence volunteers, Boats & Local volunteers of Patiram Dham Committee.

# Gangarampur Block Disaster Management Plan-2019





# MAP OF GANGARAMPUR BLOCK



Prepared by NRDMS Centre, Dakshin Dinajpur

## **INTRODUCTION:**

The basic objective of the Block Disaster Management Plan is to protect the residents of the Block and their property from all sorts of untoward incidents through the following objectives:

- To prevent loss of human life and property damage
- To study analyze and evaluate the disasters.
- To identify the vulnerable locations and do the vulnerability and risk analysis.
- To improve preparedness, prevention and mitigation at Block level.
- To ascertain the status of existing resources and facilities available.
- To recommend appropriate strategies and responses to deal with future disasters.
- To prevent and minimize loss of human lives and property by gearing up preparedness , prevention& mitigation at Block level
- To impart training programs for proper awareness.

### **At a glance Gangarampur Development block.**

<b>Coordinates</b>	<b>:25.40<sup>0</sup>N , 88.52<sup>0</sup> E</b>
<b>Total Area of the Block</b>	<b>: 328.4 Sq. Km.</b>
<b>Total Population</b>	<b>: 243027</b>
<b>Total Male Population</b>	<b>: 125707</b>
<b>Total Female Population</b>	<b>: 117320</b>
<b>Total household</b>	<b>: 54285</b>
<b>Total No. of Mouzas</b>	<b>: 206</b>
<b>Main River</b>	<b>: Punarbhava, Tangon</b>
<b>Other Channels</b>	<b>: Kasiary khari, Brahmon Khari , Jadu Khari, Bau Khari.</b>
<b>Average Rainfall through the year</b>	<b>: 302 mm</b>
<b>Area affected by Flood (Approx)</b>	<b>: 205 Sq. Km.</b>
<b>Population affected by Flood (Approx)</b>	<b>: 203600</b>
<b>Main Economic activity of the area</b>	<b>: Agriculture</b>
<b>Total Cultivated Land</b>	<b>: 25240 Hec.</b>
<b>International Border with Bangladesh</b>	<b>: 16 Km.</b>
<b>Gram Panchayats</b>	<b>:11 nos(Sukdevpur ,belbari-I, Belbari-II, Nandanpur , Damdama,Gangarampur,Jahangirpur, Basuria, Chaloon,Uday &amp; Ashokgram )</b>

### **Hazard,Vulnerability,Capacity & Risk Management :**

Vulnerability assessment deals with Socio-EconomicGangarampur Development Block is situated on the bank of two rivers like Punarbhava & Tangon and many Cannels like Kasiary Khari, Brahmun Khari, Jadu Khari, Bau Khari etc surrounded this block. So it is a vulnerable Block in respect of flood in Dakshin Dinajpur District. Recently all the previous records have been broken during flood like situation created in the month of August 2017 and 8 no of people lost their precious lives during flood like situation for various reason.

Total 116 no. mouzas are fully affected and 76 no. mouzas are partly affected out of 206 no Mouzas and about 1,30,450 no of people became homeless. Only the high level roads have been used as night shelter under tarpaulins for the distitute people. A large number of crops merged under water and huge no of cattle lost their lives. About 8165 no houses fully, 4366 no houses severely and 9463 no houses partly damaged during devastating flood like situation.

**Water-Logging:-** As per the vulnerability of Gangarampur Block is concerned water logging in some areas & damage of houses in different area of the Block due to storm/ hailstorm is the main problem which been experienced like every year during monsoon.

**Road Accidents:-**Some road accidents occurred in the area of 11 nos. G.P. as State High Way, PWD Roads & PMGSY Roads within these G.P. areas.

**Earthquake:-** The entire Block area is also vulnerable to earthquake because of its geographic, climatic & seismic condition and it is situated in category IV seismic belt. We have to chalk out rescue and relief operation for the disaster caused by earthquake.

To mitigate the damage caused due to different disaster, Block Level Disaster Management Committee has already been constituted.

### **Flood Like Situation on and from 12<sup>th</sup> August 2017**

#### **Cause of Flood:-**

About three /four days continuous heavy rainfall , lack of ponds and 'Khal's which is containing a large number of water, low depth of rivers which is almost filled with sand and weak embankment of major rivers and Kharis is the major reason for the flood like situation.

#### **Vulnerable areas-**

Entire area of Belbari – I and Belbari- II G.P., Nandanpur G.P., Basuria G.P and Sukdebpur G.P., a part of Jahangirpur G.P., Chaloon G.P., Uday G.P., are mostly vulnerable in respect of water logging and flood in the year 2017. Two/three mouzas of Ashokgram G.P & Gangarampur G.P is badly effected.

#### **Cause of Flood:-**

About three /four days continuous heavy rainfall , lack of ponds and 'Khal's which is containing a large number of water, low depth of rivers which is almost filled with sand and weak embankment of major rivers and Kharis is the major reason for the flood like situation.

#### **Condition of life:-**

A large number of weaker section people lost their houses and shelters. In a very short of time their life became comparable with baggers. No food, no drinking water, no dresses , no seeds, no money, no electricity. The human beings and the cattle slept at night in a same bed. As they entered in hell with their kith and Kin. They were only dependent on the Government helping like tarpaulins, cloths, food, water etc.

#### **Camps:-**

In a war like situation the Block & G.P. level authorities booth arranged several camps for night shelter in some Primary & High schools, on high roads, on roof of high building where ever it found in every Gram Panchayat areas. A huge number of Tarpaulins have been supplied for the camps from Gangarampur Block.

#### **Food Distribution:-**

The affected people collect the MDM rice from schools where they took shelter in very beginning of the days. On the first two days the block also distributed cooked food to a large number of people who took shelter in the 512 no National High Way which is under water from Maharajpur to Nildanga. The Block had allotted special rice to the concerned dealers for camps of affected areas and the people were informed to collect grocery for making cooked food. Then Dal, dry food , baby food, powder milk, soabin, salt, muri,

biscuits etc were distributed to the villagers through the Block and G.P. officials. From the third day a huge number of distressed people came to the Block Office in search for some food. They were given lunch at the Office premises everyday and a G.R. Rice coupon containing 5 K.G. of rice for the other members of their family.

### **Drinking Water:-**

Everywhere water but there is no drinking water for the thirsty people. Children are crying for a drop of water. When the Block team reached with water pouch which is supplied by PHE department at the very morning to the people who sheltered in the 512 National High Way on the second day it seems all the thirsty people came back to their life. But ten thousand pouches were not sufficient to the team and when the children asked for a pouch we became helpless. Tears came out from our eyes. From the third day the number of water pouches were increases and it distributed all over the block areas as much as possible.

### **Role of NGOs & Clubs:**

Many clubs and NGOs of Gangarampur Block gave their helping hands for the destitute people. They every day supplied cook food or dry food and drinking water either by collected from Gangarampur Block Office or some time by their own arrangement . Bharat Sevashram Sangha also took part in this programme.

### **Medical facilities:-**

Some mobile medical team visited all the camps and supplied basic medicines for the sick people everyday. A medical camp was organized at Block Office premises about fifteen days by the doctors from BPHC.

### **Institutional Arrangements for Disaster management(DM):-**

#### **Incident Response System (IRS).**

An Incident Response System (IRS). team has been created at Block Level comprising of 11 G.P.s to combat the aftermath of any Natural Calamity . The vision is to minimize loss of life and property by strengthening and standardizing the disaster response mechanism .

Below is IRS team of Gangarampur Development Block:-

<b>Sl. No.</b>	<b>Name of the Officer/ Staff</b>	<b>Name of Gram Panchayat.</b>	<b>Officer / Staff Mobile No</b>
1	Sukanta Kisku B.C.W. Squad. Leader	<b>1 No. Sukdevpur Gram Panchayat</b>	8617582922
2	Satyajit Roy, O.C.M		
3	All Gram Panchayat Staff		
4	Suchitr kr. Biswas, APO. Squad. Leader	<b>2 No. Belbari (i) Gram Panchayat</b>	9434518324
5	Subir Saha O.C.M.		9735067353
6	All Gram Panchayat Staff		
7	Saumya Kanti Saha, S.A.E	<b>3 No. Belbari (ii) Gram Panchayat</b>	9434106338
8	Swapn Choudhury , E.A.		
9	All Gram Panchayat Staff		
10	Basudev Paul, BWO	<b>4 No. Nandanpur Gram Panchayat</b>	7063157266
11	Debabrata Saha, Supervisor		
12	All Gram Panchayat Staff		
13	Palash Ranjan Thakur, S.E.O	<b>5 No. Damdama Gram Panchayat</b>	9434964736
14	Rajesh Kujur, O.C.M.		7001568240
15	All Gram Panchayat Staff		
17	Pijush Kr. Singha, O.C.M.		9002678475
18	All Gram Panchayat Staff		

19	Jyabrata Shina, S.A.E	<b>7 No. Jahangirpur Gram Panchayat</b>	9434964245
20	Joydev Ch. Roy, O.C.M		9735093654
21	All Gram Panchayat Staff		
22	Ratan Ch. Barman, C.D.P.O	<b>8 No. Basuria Gram Panchayat</b>	8145368310
23	Shyamal Kr. Roy , A.O.		
24	All Gram Panchayat Staff		
25	Pajomuddin Sekh , APO	<b>9 No. Chaloon Gram Panchayat</b>	9064234285
26	Partha Sarkar, O.C.M		9734003932
27	All Gram Panchayat Staff		
28	Pritam Saha , FEO	<b>10 No. Uday Gram Panchayat</b>	9007089942
29	All Gram Panchayat Staff		
30	Atanu Tarafdar , PAAO	<b>11 No. Ashokgram Gram Panchayat</b>	
31	All Gram Panchayat Staff		

### Prevention and Mitigation measures:-

Disaster Mitigation contributes to lasting improvement in safety and is essential to integrate disaster management in mainstream planning. Broadly mitigation ways can be divided into two parts i.e. structural measure and non-structural measures. Structural measures undertake to strengthen buildings, lifelines and infrastructure to withstand any hazard. Non-structural measures emphasis on land-use planning, programmes for sustaining awareness, dissemination of information materials on do's and don'ts at the time of disaster. Once the area has been identified as hazard prone, it becomes important that the government and the community should practice these above-said measures. Based on this ideology, mitigation plan may vary according to hazards.

### Mitigation Measures:

Mitigation embraces all measures taken to reduce both the effect of the hazard itself and the vulnerable conditions to it in order to reduce the scale of a future disaster. Mitigation aims to reducing the physical, economic and to threats and the underlying causes for the vulnerability .

### Sector wise structural mitigation measures:-

Sector	Mitigation measures	Responsible Department	Time Frame
Information, education and communication activities-	Distribution of leaflets, posters. Awareness generation programme in schools and colleges, conducting various competitions and rallies. Organizing Staff development and refresher training to concerned dept, task force team, NGO and CBOs. Conducting regular Mock drill Plantation Programme	Block Administration	All Year round (with regular intervals)
Road-	Identification/ repair of main and alternative routes. Repair of vulnerable points. Conversion of Pucca Roads of Village roads .	PWD(Roads). Zilla Parishad Block Administration	During normal Time
Embankments	Strengthening and raising the height of weak embankments points .Storage of flood fighting materials	Irrigation Department	During pre flood
Bridges	Regular maintenance	Irrigation Department	During normaltime

Drinking water Sanitation	Assessment of running/defunct tube wells and makes necessary Arrangements, identifications of scarce water pockets. Installation of water supply system. Identifications of submergible TWs and rising of its platform height.	PHE department	Throughout the year
Power	Ensure proper and safe electric connections to the consumer and from electric stand posts/transformers	WBSEDCL	Throughout the year
Vaccinations	Procurement and stock piling of vaccines. Regular vaccination of domestic animals. Regular disinfection of wells and ponds.	Animal Husbandry and veterinary department	Throughout the year

During Disaster / calamity with close liaison with District administration & Gram Panchayats the below preventive measures is to be taken accordingly by Block administration --

**Pre-Disaster Period:**

<b>Preparation</b>	<b>Objectives</b>
Receipt of information	For proper access
Dissemination of information	
Immediate setting and operational of control room round the clock Rescue and evacuation	To evacuate vulnerable people to identified shelters and logistic arrangements
Arrangement of free kitchen	To provide immediate feeding to the evacuated people
Sanitation and medicines	To prevent epidemics and infections
Ensuring transportation of Relief materials to affected Pockets	To ensure that the relief materials reach in time to the affected people
Ensuring safety of life and belongings	To prevent anti-social activities
Ensuring availability of safe drinking water, provision of health facilities and minimum sanitation	To check the onset of epidemics
Meeting of field level officers in every 24 hours to review the situation	Better co-ordination

**During Disaster:**

<b>Preparation</b>	<b>Objectives</b>
Alertness & Readiness to gear up in action, immediately after the disaster	To rescue the trapped and injured persons
Control room functional round the clock	To mitigate the effects of the disaster
Monitoring	To review the rescue and relief Work

**Post Disaster:**

Preparation	Objectives
Distribution of relief as per Provisions	To provide food and other essential commodities for survival
Assessment of Damage	To ascertain the exact loss for reporting to the govt.
Immediate arrangement of free kitchen for the effected people	To avoid starvation
Monitoring	To review the relief works and remove the bottlenecks

**PLAN TO COMBAT FLOOD:**

80% of Gangarampur Block is affected by over flown of water/ flood of river Punarbhaba, Tangan, Brahmani & Kasiary Khari Brahamoni Khari, Jadu Khari, Baul Khari during monsoon period according to previous records.

The detailed information to this effect is given below:-

NAME OF GRAM PANCHAYAT	Name of the Village/mouza or/ward no	Population	Whether likely to be Partly Flooded or fully	Population likely to be affected	Population projected to be shifted to flood shelter	Location of flood shelter/cyclone shelter tagged for evacuation	
BELBARI-II	LAXMITALA	1500	FULLY	1500	5000	NIRANJAN GHOSH SRITI H.S. GOVT. POLYTECHNIC COLLEGE PANCHAYAT OFFICE	
	CHARULLYA	1500	FULLY	1500			
	KADIGHAT	2000	FULLY	2000			
	MAHARAJPUR	2500	FULLY	2500			
	PATAN	3500	FULLY	3500			
	BOALDAH	2500	FULLY	2500	2000	THANGAPARA HIGH SCHOOL	
	THANGAPARA	2500	FULLY	2500		THANGAPARA HIGH SCHOOL	
	JALALPUR	2000	FULLY	2000		THANGAPARA HIGH SCHOOL	
	MAHIPUR	2000	FULLY	2000		2000	MAHIPUR JR. SCHOOL
	PIRPAL	2000	FULLY	2000		800	NARAYAN JR. HIGH SCHOOL
	NARAYANPUR	3000	FULLY	3000			NARAYAN JR. HIGH SCHOOL
BELBARI-I	BELBARI	13521	FULLY	12000	800	UTTAR BELBARI JR. H.S.	
	JOYPUR	11352	FULLY	12000	1200	SAYRAPUR H.S.	
SUKDEVPUR	ANANTAPUR	1200	FULLY	1200	1200	Anantapur F.P School & Others	

	SINGFARKA	960	FULLY	960	960	Singfarka F.P School & Others
	Mallikpur	1600	FULLY	1600	400	HOSSAINPUR JR HS
	Hossainpur	3000	FULLY	3000		
	KANTABAN	1862	FULLY	1862	400	Hossainpur & Shalbari School
	Joydevpur	1542	FULLY	1542	500	Joydevpur F.P School & Health Centre
	Sukdevpur	7054	FULLY	7054	3000	GP Office , Tant Samity , Durga Mandir , Sukdevpur H.School , Bhagabanpara Temple , Putimari Templer , Begardhuri Temple Ramkrishnapur Jr.School , Lebutala ,
	Jafarpur	1442	FULLY	1442	300	
	Bhoral	1726	FULLY	1726	300	Bhoral F.P School ,
	KANTATAI R	3282	FULLY	3282	200	Kantatair F.P School ,
	Debipur	22275	FULLY	2275	300	Debipur F.P School , nowdapara jr high school
	Pargaon	1531	Partly	521	400	m,alipara hs, F.P School
	Akchha	1427	Fully	1427	600	F.P school ,malipara hs
NANDANPUR	Jadabbati(E)	827	Fully	827	0	NO Sayrapur flood rescue centre
	Jadabbati(W)	630	Fully	630	630	
	sayrapur	1338	Fully	1338	1338	Sayrapur flood rescue centre
	Tilna	1174	Fully	1174	1000	Bisrail H.S.
	Sahanali	862	Fully	862	200	Bisrail H.S.
Hiranabati	580	Fully	580	Bisrail H.S.		
Bisrail	862	Fully	862	Bisrail H.S.		
Fatehnagar	1534	Fully	1534	Bisrail H.S.		
	Korial	1838	Fully	1838	300	THANGAPARA HIGH SCHOOL
	Bhaktipur	1074	Fully	1074	1074	bikair sundar school , kalitola jr. h.s.
	Bikair	1515	Fully	1515	1515	sahabajpur flood rerscue centre
	hapania	618	Fully	618	482	sahabajpur flood rerscue centre
	radhanagar	1454	Fully	1454	1225	sahabajpur flood rerscue centre
	Ratanpur	981	Fully	981	981	sahabajpur flood rerscue centre
	nagan	667	Fully	667	667	sahabajpur flood rerscue centre



	Bajitpur	1476	Fully	1476	1476	sahabajpur flood rerscue centre
	patul	1167	Fully	1167	500	sahabajpur flood rerscue centre
	ranipur	1260	Fully	1260	825	sahabajpur flood rerscue centre
CHALOON	Sidlim	762	Fully	705	705	Sidlim Girja, Pransagar h.s.
	Chaloon	2908	Fully	2615	2000	Chaloon jr basic, chaloon adibasi fps, girja
	Mirjapur	2712	Fully	2512	2000	Mirjapur fps,mirjapur upper primary
	Basudevpur	1368	Fully	1276	1276	SI office , ssk , church
	Shankarpur	1400	Partly	886	886	Shankarpur fps , bharat sebasram
	Mathurapur	1512	Fully	1213	1213	panchayat office , BPHC ,FPS
	banihari	2762	Partly	1308	1308	banihari hs
	Chaksree	1292	Partly	778	778	chaksree fps , banihari hs
	katkihari	1216	Partly	1356	1356	Madrasa , ssk
	sahara	2568	Partly	796	796	Chaloon hs
	Janchi	1212	Partly	450	450	Janchi fps ,chaloon hs
UDAY	ATASH	1131	Partly	242	242	Atash FP School
UDAY	MOSTAFAPUR	1503	Partly	122	122	Mostafapur SSK at Boropara
	BIRANAI	1147	Partly	145	145	Mostafapur Sarat Ch. High School
	NARASUNDRAPARA	1300			2500	FULBARI HS
	PARTIPARA	1716				FULBARI HS
	NAKAIR W	1296	PARTLY			FULBARI HS
	NAKAIR E	1256				FULBARI HS
	FULBARI	1864				FULBARI HS
	PALSA	1592				FULBARI HS
	MOHANPUR	1402				FULBARI HS
	AUSHA	1101	Partly	378		378
	PULINDA	1512	Partly	246	246	Pulinda FP School
	UDAY	1481	Partly	150	150	Uday Barmanpara North & Nailakuri.
	PANCHAGRAM	2457	Partly	661	661	Panchagram- Batpukur, Dighipara, Bagdhara SSK, Shiyalgaji.
	SHIBPUR	1151	Partly	155	155	Shibpur FP School
JAGADISHPUR	1794	Partly	664	664	Jagadishpur FP School, Llxmitala, Gambhiratala.	

	CHALUNDA	1187	Partly	353	353	Chalunda FP School & Madrasah.
ASHOKGRAM	Shibokrishnapur	199	Fully	199	199	Shibokrishnapur fps
	Domutha faridpur	3603	Fully	3603	3603	Domutha faridpur jr hs
	Garoya Purba	491	Fully	491	491	Garoya fps
	Bishnupur	1654	Partly	252	252	Purba bishnupur fps
	Nilhari	477	Fully	477	477	Nilhari fps
	Nehemba	2837	Fully	2837	2837	Nehemba fps
	Bholanathpur	999	Fully	999	999	Jasrail ssk
	Gokulpur	2153	Fully	2153	2153	Gokulpur jr hs
JAHANGIRPUR	KHOJAPUR	937	Fully	937	1500	Jahangirpur hs
	dafarpur	998	Fully	998		Jahangirpur hs
	kasba	1009	Fully	1009		Jahangirpur hs
	jahangirpur	2560	partly	1300		Jahangirpur hs
	mahurkismat	3944	Fully	3944	200	Mahurkismat fps
	kashimpur	1105	Fully	1105	200	Kashimpur fps,shibmandir icds
	ilamtoir	343	Fully	343	200	Jahangirpur hs
	fayejpur	562	Fully	562	200	Panchayat office
	hekendar	82	Fully	82		Panchayat office
	srinathbati	781	Fully	781	150	Srinathbati fps
	nehatair	503	Fully	503	300	Enayetpur ssk
	enayetpur	587	Fully	587		Enayetpur ssk
	tilchara	653	Fully	653	600	Panchayat office,surrounding office
	sikarpur	285	Fully	285		Panchayat office,surrounding office
	sekhmina	353	Fully	353		Panchayat office,surrounding office
	damina	526	Fully	526	100	Damina fps
nandair	1227	partly	600	500	Nandair ssk , nandair fps	
keshabpur	2838	partly	1500	300	Keshabpur fps	
GANGARAMPUR	DURGAPUR	1907	Fully	1907	200	Durgapur fps, ssk ,msk
	BISHNUPUR	2153	Fully	2153	200	Gopalpur jr high school
	KAMARPUKUR	2099	Fully	2099	1500	Puratan gangarampur hs, kamarpukur fp
	KAMALPUR	229	Fully	229	200	Saidpur fps
	GOPALPUR	257	Fully	257	200	Gopalpur jr hs

	PURANPAR A	1416	partly	700	1500	gmp bdo office
	amgaon	919	partly	200	200	Amgaon fps
	sayedpur	1234	partly	300	300	Sayedpur fps
	naroi	1715	partly	300	300	Naroi jr basic,main road
	puratan gangarampur	3000	partly	500	500	Puratan gangarampur hs
	chomuk	339	partly		150	Chomuk fps
	chalk jaykrishnapur	229	partly	200		Raghabpur hs, hostel,minority hostel
	raghabpur	773	partly	500	800	Raghabpur hs
DAMDAMA	gochier	1907	Fully		200	Gochier msk & fps
	ratanmala	2153	Fully		1200	Najrul sriti hs ,damdama gp,kishan mandi,damdama samity
	ramchandrapur	2087	partly	800	400	ssk ,puratan gangarampur hs
	raghunathbati	1356	partly	700	300	raghunathbati ssk , club
BASURIA	hamjapur	18700	fully	15600	13500	doulatpur jr hs,keshabpur fps,basuria sr. madrasa, sarbamangala hs,abeshkuri high madrasa,chakshibpur fps
	madhabpur					
	doulatpur					
	takipur					
	abidpur					
	paschim kashipur					
	damodarpur					
	keshabpur					
	mahakhair					
	antal					
	Toushi					
	Mushipukur					
	Ratinathpur					
	Kumargara					
	Belasthali					
	Chakshibpur					
	Lalchandrapur					
	Hariharpur					
	Bhadra					
	Taliapara					
arajilalchandrapur	3950	partly	3100	2400	Lalchandrapur fps, Basuria Sr Madrasa	
uttar gopalpur						
baikunthapur						

**Plan to combat fire Accident:**

85% inhabitants of this block are living in thatched houses. The fire accident occurred frequently every year during the days i.e. in the month of March of May .

According to previous records the under noted villages are identified as vulnerable to fire accidents.

Details information to this effect is given below:

Sl. No.	Name of Gram Panchayat	Name of villages vulnerable to fire accident	Nearest Fire Station & Contact No.	Nearest Hospital & Contact No.	Nearest Electricity supply
1	1 No. Sukdevpur	-	-	-	-
2	2No. Belbari (i)	Belbari, Joypur	Gangarampur Ph- 03521- 256800	Gangarampur SD Hospital, Ph- 03521- 255065	Gangarampur Ph- 03521- 255040
3	3No Belbari (ii)	Mahipur, Jalalpur, Patan, Narayanpur, Pirpal	Gangarampur Ph- 03521- 256800	Gangarampur SD Hospital, Ph- 03521- 255065	Gangarampur Ph- 03521- 255040
4	Nandanpur	Bajitpur, Patul, Radhanagar, Hapania, Bisrail , Sahanali, Ranipurb, Jadab bati, Haripur	Gangarampur Ph- 03521- 256800	Gangarampur SD Hospital, Ph- 03521- 255065	Gangarampur Ph- 03521- 255040
5	5No. Damdama	Barmanpara, Kasiapukur, Malopara, Ratanmala, Colony, Jagrati, Uttar gachiyar, Dakshin gachiyar, adibasipara, Dakshin Kaldighi para, Pukur para, school para, adibasi para, raghunathbati, adibasipara	Gangarampur Ph- 03521- 256800	Gangarampur SD Hospital, Ph- 03521- 255065	Gangarampur Ph- 03521- 255040
6	6No. Gangarampur	Puranpara, Durgapur, Bishnupur, Kamarpukur, Amgao, Saidpur, Puratan Gangarampur, Chamuk, Kamalpur, Narai, Rampur, Chakjoykrishnapur, Gopalpur.	Gangarampur Ph- 03521- 256800	Gangarampur SD Hospital, Ph- 03521- 255065	Gangarampur Ph- 03521- 255040

7	7 No. Jahangirpur	Ramebpur, Fayeypur Hanitair, Dahapara, Joyardapara, Pachani, Kasikpur, Rangamati, Mohinipara, Srinath bati, Sultanpur, Nandair, Jahangirpur, Kasba, Khojapur.	Gangarampur Ph- 03521-256800	Gangarampur SD Hospital, Ph- 03521-255065	Gangarampur Ph- 03521-255040
8	8 No. Basuria	Basuri	Gangarampur Ph- 03521-256800	Gangarampur SD Hospital, Ph- 03521-255065	Gangarampur Ph- 03521-255040
9	9 No. Chaloon	-	-	-	-
10	10 No. Uday	-	-	-	-
11	11 No. Ashokgram	Ashokgram	Gangarampur Ph- 03521-256800	Gangarampur SD Hospital, Ph- 03521-255065	Gangarampur Ph- 03521-255040

#### Plan to Combat Road accident:

The State Highway, PWD roads & PMGSY roads passes through the area of Gangarampur Block. The road accidents occur frequently round the year. Another Panchayat Samity & Zilla Parishad metal roads cover the whole block. The vulnerable areas are identified.

Detailed information are given below:-

Sl. No.	Name of the Gram Panchayat	Road	Constructed by the department	Vulnerable village	Nearest Hospital
1	Sukdevpur	-	-	-	-
2	2No. Belbari (i)	Shibmandir to Kargil More	ZP	Shibmandir, Lakshitola, Goalpara, Guriapara, Belbari	Gmp. SD Hospital 9. K.M
		Uttar Belbari to D. Joypur Post Office	PMGSY	Belbari, D. Joypur, Sayrapur	
3	3No. Belbari (ii)	Kalitola to Narayanpur	ZP	Narayanpur	Gmp. SD Hospital 6. K.M

		Maharajpur to Sukdevpur	PMGSY	Maharajpur, Patan, Malipara	
4	4 No.Nandanpur	Hapunia to Patul	PWD	Hapunia, Radahnagar, Ratanpur, Hasanpur	Gmp. SD Hospital 10 K.M.
		Ratanpur to Bisrail	ZP		Gmp. SD Hospital 12 K.M.

5	5No.Damdama	Kaldighi bottola to Gachiar	PWD	Raghunathbati, Ratanmala, Gachiar	Gmp. SD Hospital 02-03 K.M.
		Kaldighi battola to Puratan Gmp.	PMGSY	Raghunathbati, Ashinpara, Ramchandrapur	
		Dhaldighi to Kaldighi Dakshin	PMGSY	Ramchandrapur	
		Kaldighi to Ratanmala School	PMGSY	Raghunathbati, Ratanmala	
6	6 No. Gangarampur	Durgapur Sashan to Nayabazar More	PWD	Durgapur	Gmp. SD Hospital 5 K.M.
		Nayabazar More to Nishani	PWD	Gopalpur, Sayedpur	Gmp. SD Hospital 7 K.M.
		Nayabazar Nabin Sangha to Puratan Gmp.	ZP	Gopalpur, Amgaon , Puratan, Gmp.	Gmp. SD Hospital 8 K.M.
		Kamalpur to Naroi	PWD	Kamalpur, Naroi	Gmp. SD Hospital 6 K.M.
7	7 No. Jahangirpur	Baula more to Samla more	PMGSY	Nandair, Sultanpur, Kharpa Baula	Gmp. SD Hospital
			PMGSY	Champatali Jahangirpur, Dhapara, Kashimpur, Mahurkismet, Keshabpur	
8	8 No. Basuria	Chamtali to Pransagar	ZP	Takipur, Hamjapur, Daulatpur, Latkeshabpur, Lalchandrapur, Damanar, Basuria, Ratinathpur, Tousi, Antal	Sarbamon gala PHC (3 K.M.)

9	9No. Chalon				
10	10 No. Uday	Fulbari Bus Stand to Station	Zilla Parisad	Fulbari, Nakoir	Gmp. SD Hospital 10-18 K.M.
		Raghunathpur to Deodhara	State High Way	Raghunathpur, Partipara, Najirpur, Mohanpur, Khatiabandha	
		Fulbari to towards Kumarganj	PWD	Fulbari, Narasubdrapara, Durgaramchak, Atash, Mostafapur	
11	11No. Ashokgram	Fulbari to Kumarganj	PWD	Domutha Chkakar Anclahar Naroil, Chandura, Purba Bishnupur	Gmp. SD Hospital 10 K.M.
		Berapukur to Sitahar	ZP	Rampur, Ashokgram, Maheshpur, Udhura, Raishali, Gokulpur, Srirampur	

#### **FLOOD SHELTERS:-**

List of existing specially designed flood shelters of Gangarampur Block

Sl. No.	Name	Location	Area covered for shelter
1.	Sayrapur K.M. Vidyapith	4. No. Nandanpur Gram Panchayat	Sayrapur, Jadavbati, Hiranyabati, Burinagar, Tilna
2.	Kasba F.P. School premises	7. No. Jahangirpur Gram Panchayat	Jahangirpur, Kasba
3	Sahabajpur Mouja (New Flood Shelter)	4. No. Nandanpur Gram Panchayat	HaripurGaneshpara, Singrail, Ratanpur, Radhanagar, Sahanali, Sadipur, Bisrail, Hiranyabati, Nagan, Hapania, Patul, Jalapur, Tilna, Burinagar, Nandanpur, Bikair.
4	Nimpukur Pakurtala, Plot No. 2346,2347,2348, Mouza Kathalhat Hossenpur, JL No. 28 area-84 Shatak	Sukdevpur GP	Amount Sanctioned Rs. 6000000. Ist Installment amount received : Rs. 3047000



### Preparedness Measures:-

Disaster causes sudden disruption to the normal life of society and causes damage to the properties and lives to such an extent that normal social and economic mechanism available to the society get disturbed. Those who are unaware and unprepared generally get affected more due to their lack of knowledge and physiological pressure. Hitherto, the approach towards coping the effects of disasters has been post-disaster management, involving many problems related to law and order, evacuation, communications, search and rescue, fire-fighting, medical and psychiatric assistance, provisions of relief and shelters etc. After initial trauma next phase starts with long-term reconstruction planning which takes about 5 to 6 years to normalize the life-style in a particular area.

Administrative preparedness is hence very important issue which helps in reducing relief and response time in a disaster situation. Preparedness plan is based on below-given components:-

- Operation readiness of facilities, equipments and stores in advance
- Maintaining response inventory of equipments and materials required for response
- Assignment of responsibilities to agencies and organizations
- Management training of crisis group members, desk officers and officers of respective departments likely to be assigned management duties.
- Specialized trainings of disaster committee members, officials, community organizations through seminars and workshop
- Training of taskforces
- Raising community awareness
- Improving response mechanism through conducting practice drills etc
- Annual updating of Block and community level plans

### several vulnerable points of gangarampur block due to flood-which in turn help to create awareness and preparedness.

The details is below:-

Sl. No.	Name of the G.P	Name of River	Name of extremely vulnerable Villages.	Population of the village (Appr.)	Name of Partly vulnerable Villages	Population of the Villages (Approx)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Sukdevpur	Punarbhaba	Anantapur Kantabari Nalaforka Singforka Mallikpur Kanthalhat Hossenpur Kantatair Devipur Khayerban Bhoral Noadapara Akchha	1154 - 320 1215 1804 - 4068 3017 2240 254 1232 401 905	Pargaon Haripur Jaydevpur Jafarpur Ramkrishnapur - Sukdevpur - - - - - -	1478 667 1253 782 445 - 5114 - - - - -
2	2 No. Belbari-(i)	Brahamoni	Belbari Shibrampur Damadarpur Mushitukur Uttar Gopalpur Madhupur	7216 1217 850 1800 536 945 105	Jaypur	7926

3	Damdama	-				
			Ratanmala	2153	Raghunathbati	1356
4	Gangarampur	Punarbhaba	Durgapur	2099	Puranpara	1416
			Bishnupur	229	Amgaon	919
			Kamarpukur	257	Sayedpur	1234
			Kamalpur	117	Naroi	1715
			Gopalpur	7013	Puratan Gmp.	-
				-	Chomuk	339
				-	Chalk Jaykrishnapur	229
				-	Raghampur	773
				-	Gopalpur	7013
5	Jahangirpur	Punarbhaba	Khojapur	937	Nandair	1227
			Dafarpur	998	Jahangirpur	2560
			Kasba	1009	Keshabpur	2838
			Jahangirpur	2560	Nehatair	503
			Mahurkismat	3944	-	-
			Kashimpur	1105	-	-
			Ilamtair	343	-	-
			Enayetpur	587		
			Nandair	1727		
			Fayezipur	562		
			Hekendor	82		
6	Basuria	Punarbhab	Damadarpur	1400	Kumargara	675
			Lat Chakshibpur	1500	Basuria	2440
			Harishpur	226	Damahar	748
			Toushi	917	U. Gopalpur	175
			Antal	507	Dalchandrapur	1319
			Ratinathpur	1517	Brahamanpara	150
			Hariharpur	1093	Baikunthapur	1245
			Mohakhair	283	Latkeshabpur	1374
			Bhadra	913	-	-
			Hamjapur	782	-	-
			Abidpur	232	-	-
			Pachim Kaswhipur	178	-	-
			Daulatpur	778	-	-
			Madhabpur	1712	-	-
			Takipur	997	-	-
			Belasthali	2100	-	-
			Sidlim	737	Kurumsur	2523
			Samra	389	Chaloon	2526

7	Chaloon	Kashiari Khari	Chakshree(Nitpur)	405	Kotkihari	640
			Nitpur	600	Chhilimpur	750
			Parbatipur	799	Madhya Raghunathpur	641
			Basudevapur	776	Banihari	1103
			Taraju	147	Kunail	647
			Mathurapur	1321	Sankarpur	811
			Mirjapur	782	Sahara	2377

8	Uday	Kashiari Khari	Biranoi	746	Durgaramchak	3603
			Mahendri	209	Pulinda	1512
			Panchagram	1707	Bhuihara	464
			Uday	1481	Chandipara	316
			Ausha	892	-	-
		Jadu Khari	Atash	1381	Mostafapur	1874
		Baul Khari	Jagadishpur	1794	-	-
			Chalunda	1187	Bhuihara	-
			Shibpur	1151	-	-
9	Ashokgram	Punarbhaba & Atrayee	Garoa	491	Purba Bishnupur	1654
			Shivakrishnapur	199	Domutha faridpur	3603
			Nilhari	477	Ashokgram	2630
			Karil	349	-	-
			Bhabanipur	333	-	-
			-	-	Janchi	1263
			-	-	Adigram	407

### Capacity Building and Training Measures :-

One of the main features of the Disaster Management Plan is the training to all the personnel identified in the emergency organisation as well as bringing about awareness in the general public who may be affected by any disaster. The functional responsibilities of various key personnel as well as functions in the emergency is very important to combat the aftermath of any disaster. Extensive planning will be effective only if people are properly trained in all aspects of the plan, the role in its implementation, and how the tasks are to be co-ordinated. The development and conduct of a training program for the emergency organisation is vital to emergency preparedness. Volunteers and social organizations also play a vital role in spreading mass scale community awareness. Media can also play an important role in raising awareness and educating people.

### Conducting of Mock Drills:

As per Section 30 (2) (xi) of DM Act 2005, the District Authority shall review the preparedness measures & give directions to the concerned departments at the district level or other concerned authorities where necessary for bringing the preparedness measures to the levels required for responding effectively to any disaster or threatening disaster situation. Thereon, complying the acts& rules, each year a Mock Drill (training) is organized at Gangarampur Development Block to aware the common people about any uncertain disaster/situation .

In this regard ,the preventive measures are also being taken to mitigate such occurrences .The approach for conducting a mock-drill varies as per the complexity of scenario depending upon the potential hazards, response system of the institution and the target community. Therefore, to ensure proper implementation of

a drill programme, roles and responsibilities (SOPs) of the concerned personnel, departments, corporate bodies, stakeholders, and mechanisms for conducting the drill should be delineated clearly.

**Plan maintenance:**

As emphasised earlier, an emergency preparedness program must be dynamic, with the contingency plan maintained as a living document. This means continual updating and revision. Some of the important aspects are:

- regular review period
- record of amendments and changes
- "where to report changes" notice
- current distribution list of plan holders .

Mock Drill Pictures

**Response and Relief Measures :-**

The need for an effective disaster management strategy is to lessen disaster impact which can be achieved through strengthening and reorienting existing organizational and administrative structure from Block-District – State-National level. The emergency response plan is a first attempt to follow a multi-hazard approach to bring out all the disasters on a single platform and incorporates the ‘culture of quick response’.

**Reconstruction, Rehabilitation and Recovery Measures:-**

**Rehabilitation:** Refers to the actions taken in the aftermath of a disaster to enable basic services to resume functioning, assist victims’ self-help efforts to repair physical damage and community facilities, revive economic activities and provide support for the psychological and social well being of the survivors. It focuses on enabling the affected population to resume more-or-less normal (pre-disaster) patterns of life.

**Reconstruction:** Refers to the full restoration of all services, and local infrastructure, replacement of damaged physical structures, the revitalization of economy and the restoration of social and cultural life. Reconstruction must be fully integrated into long-term development plans, taking into account future disaster risks and possibilities to reduce such risks by incorporating appropriate measures. During the devastating Flood in Gangarampur Block houses, schools , roads,public properties,livestocks had been affected severely

**Holistic Report of Damages :-**

Area of Inundation	Crop damage	Livestock damage	Loss of Domestic Animal	Infrastructure damagers	Loss of Human Lives
205 Sq. Kmetre	22287 Hectre	11,200 Chicks	11,200 Chicks	<b>House Damages:-</b>	08 NOS.
		10,230 Ducks	10,230 Ducks	Fully=8165 , Severely=4366	
		12 Cattle	12 Cattle	Partly=9463	
		40 Goats	40 Goats	<b>SSk:-</b>	
				Severely=24 & Partly=36	
				<b>MSK:-</b>	
				Severely=01 &Partly=01	
				<b>AWC:-</b>	
		Fully=03 & Partly=24			
			<b>Damaged Roads Length(km):</b>		
			243.218 Km. (including metal,Semimetal & kuccha)		

**AGRI CULTURE AND MGNREGA CONVERGENCE PLAN**

Sl No	Name of the Scheme	GP Name	Sansad Name	Length	Amount in Lakh
1	Construction of Cheek Dam on Kashiakhari	Chaloon	Challon	1 Km	2.444600
2	Construction of Cheek Dam on Sidlim Mouza	Challon	Sidlim	1 Km	2.444600
3	Construction of Cheek Dam on Sahara Mouza	Challon	Sahara	1 Km	2.444600
4	Construction of Cheek Dam on Mirzapur	Challon	Mirzapur	1 Km	2.444600
5	Construction of Cheek Dam on Banihari Mouza	Challon	Banihari	1 Km	2.444600
6	Construction of Cheek Dam on Sankarpur	Challon	Basudebpur	1 Km	2.444600
7	Construction of Cheek Dam on Janchi Mouza	Challon	Janchi	1 Km	2.444600
8	Embankment of Canal with Cheek dam at Biranoi	Uday	Biranai	700 mtr.	1.832600
9	Embankment of Canal with Cheek dam at Pulinda	Uday	Pulinda	700 mtr.	1.928000
10	Embankment of Canal with Cheek dam at Mahendri Kashihari Khari	Uday	Ausha	700 mtr.	1.928000
11	Embankment of Canal with Cheek dam at Ausha Kashihari Khari	Uday	Ausha	700 mtr.	1.832600

Sl No	NBDD /RIDF	Block	Name of GP	Location	Amount	2016-2017	2017-2018	Name of ICDS Centre	Current Status
1	SW+MGNREGA	GANGARAMPUR	CHALOON	PARBATIPUR	Rs. 700000/-	2016-2017	.....	PARBATIPUR	10% completed
2	SW+MGNREGA	GANGARAMPUR	GANGARAMPUR	NIRSANI	Rs. 700000/-	2016-2017	.....	NIRSANI	20% completed
3	SW+MGNREGA	GANGARAMPUR	CHALOON	JANCHI	Rs. 700000/-		2017-2018	JANCHI	only layout done
4	SW+MGNREGA	GANGARAMPUR	CHALOON	BASUDEBPUR	Rs. 700000/-		2017-2018	BASUDEBPUR	10% completed
5	SW+MGNREGA	GANGARAMPUR	NANDANPUR	SAYRAPUR	Rs. 700000/-		2017-2018	SAYRAPUR	100% completed
6	BCW+MGNREGA	GANGARAMPUR	UDAY	NARASUNDARPARA	Rs. 953474/-	.....	2017-2018	NARASUNDARPARA	92% completed
7	BCW+MGNREGA	GANGARAMPUR	UDAY	BIRANOI	Rs. 953474/-	.....	2017-2018	BIRANOI	90% completed
8	BCW+MGNREGA	GANGARAMPUR	BASURIA	KAJOLTOIR	Rs. 953474/-	.....	2017-2018	KAJOLTOIR ADIBASHIPARA	92% completed
9	BCW+MGNREGA	GANGARAMPUR	SUKDEVPUR	BIJLIMORE	Rs. 953474/-	.....	2017-2018	BIJLIMORE	100% completed
10	BCW+MGNREGA	GANGARAMPUR	GANGARAMPUR	NAROI	Rs. 953474/-	.....	2017-2018	NAROI SCHOOL PARA	75% completed
11	BCW+MGNREGA	GANGARAMPUR	BELBARI-II	PATAN	Rs. 953474/-	.....	2017-2018	PATAN	100% COMPLETED
12	BCW+MGNREGA	GANGARAMPUR	CHALOON	CHALOON	Rs. 953474/-	.....	2017-2018	CHALOON ADIBASHIPARA	20% COMPLETED
13	NBDD+MGNREGA	GANGARAMPUR	JAHANGIRPUR	NANDOIR	817000/-	.....	2017-2018	NANDOIR	78% completed
14	NBDD+MGNREGA	GANGARAMPUR	JAHANGIRPUR	NANDOIR	817000/-	.....	2017-2018	NANDOIR ADIBASIPARA	100% completed
15	NBDD+MGNREGA	GANGARAMPUR	BASURIA	DAMAHAR	817000/-	.....	2017-2018	DAMAHAR	98% completed

16	NBDD +MG NREG A	GANG ARAMP UR	BASURIA	BASU RIA	817000/-	..... .....	2017- 2018	BASURIA	100% completed
17	NBDD +MG NREG A	GANG ARAMP UR	BASURIA	BELOS THALI	817000/-	..... .....	2017- 2018	BELOSTH ALI	100% completed
18	NBDD +MG NREG A	GANG ARAMP UR	SUKDEVP UR	KATA BON	817000/-	..... .....	2017- 2018	KATABO N	100% completed
19	NBDD +MG NREG A	GANG ARAMP UR	JHANGIRP UR	SULTA NPUR	817000/-	..... .....	2017- 2018	SULTANP UR	100% completed
20	NBDD +MG NREG A	GANG ARAMP UR	BASURIA	DAMO DARP UR	817000/-	..... .....	2017- 2018	DAMODA RPUR	100% completed
21	NBDD +MG NREG A	GANG ARAMP UR	ASHOKGR AM	RAMP UR	817000/-	..... .....	2017- 2018	RAMPUR	100% completed

#### **Procedure And Methodology For Monitoring, Evaluation, Updating And Maintenance Of BDMP:-**

Proper monitoring and evaluation of the BDMP the BDMP is monitor and evaluated in every mock drill programme . The preparedness and achievement of all the lien Dept. / stake holders are tested. Disasters are always unexpected. Each disaster causes huge loss of human lives, live stocks and property as well. It is said that, every disaster repeats after a particular interval. Also lessons learnt from a particular disaster will help to plan for another potential hazard.

#### **Coordination Mechanism for Implementation of BDMP:-**

Every department/NGOs/Police Stations/Fire Brigades/Boat owners are inter linked with each other to assist the people .

Sl. No	Name of the Gram Panchayat	Name of the Boat Owners	Size	Cont. No.	Name of the Tractor Owners
1	1 No. Sukdevpu r	1.Subodh Sarkar,Vil-Debipur 2.Arun Roy Vill-Singgorka 3.Amit Mondal, Vill-Katatair -		964749662 0 834806748 7 977587189 5	-
2	2 No. Belbari (i)	Subrata Paul S/o Ratan Paul Vill- Uttar Belbari 1.Brindaban Roy, S/O- Sanju Roy, ViLL- Uttar Joypur. 2. Raja Chanda ,S/O-Gopal . Vill- D. Joypur	16'-7' 18'*7' 18'*7'	- 985112621 5 973345463 8 983230750	Sudhir Ghosh, Narayanpur.

		3.Ananda Sarkar S/O- Sunil, Vill- Joypur.		6	
3	3 No. Belbari (ii)	Kartik Halder, S/O-Badal Vill- Maharajpur	18'	993240601	Asesh Ghosh Narayanpur.
		Kanai Halder S/O-Raghu Vill-Maharajpur	20'	875981530 7	Gobinda Ghosh Narayanpur.
	3 No. Belbari (ii)	Jitu Sarkar, S/O-Mohan Vill-Maharajpur	15'	993242060 1	Dilip Ghosh Narayanpur.
4	4 No. Nandanpu r	Dulali Mondal W/o Chaitany Mondal Vill- Hiranyabati	6'x20'	993221584 7	-
		Ganesh Choudhury S/o Dubariram Choudhury Vill- Zadabbati	6'x30'	933326129	-
5	5 No. Damdama	Jogen Barman , Ratanmala	12'x4		Pradip Barman
6	6 No. Gangaram pur	Ananda Saha            Gopal Khari	-		Goutam Das Gopalpur
					Nayan Karmakar Gopalpur
7	7 No. Jahangirp ur	Gour Das S/o Ganesh Das Vill- Dapharpur	15'x8'		Chaitan Das Dafarpur.
		Subhash Das S/o Sudhir Das Vill- Mahurkishmat	15'x8'		Kader Mia Mahurkishmat
		Teanra Sarkar S/o Amulya Sarkar Vill- Keshbpur	15'x8'		Chandan Ray Dafarpur



8	8 N o. B a s u r i a	-			Akbar Ali Danipara
		-			Taleb Mia Danipara
9	9 N o. C h a l o n	-	-	-	Faijur Rahaman Madhurapur
		-	-	-	Nabab Ali Kurumsur
		-	-	-	Emajuddin Mia Bansihari
10	10 No. Uday	Pradip De Vill- Uday P.o. Panchagram	10'x4'	-	Jevier Lakra Panchagram
		Bidhan Sharma Ray Vill- Uday P.o. Panchagram	10'x4'	-	Tofajjal Mondal Panchagram
		Majidur Rahaman Vill- Chandi Para P.o. Panchagram	12'x4'	-	Afijuddin Mia Uday
11	11 No. Ashokgra m	Bablu Mia Vill-Doumutha – Faridpur.	-	-	Lutfar Ali Chandura
		Sahajad Ali , Vill-Raypur.	-	-	Sakla Soren Ashokgram

**List of N.G.O's & Club:**

Sl. No.	Name of the Gram Panchayat	Name of the N.G.O/Club.	Name of the Secretary President of the N.G.O/ Club.	Cont. No.	Remarks
1	Sukdevpur	Birsing Club, Singforka	Hopan Hasda, Singforka.	-	-
		Provati Sangha, Katatair	Amit Mondal, U. Katatair	-	-
		Ujjal Akadash, Katatair	Prollad Sarkar, D. Katatair.	-	-

		Sabuj Sangha, Sukdevpur	Nanda Gopal Ghosh, Sukdevpur	-	-
2	2No. Belbari (i)	-	-	-	-
3	3No Belbari (ii)	Jalanta Agni Sangha	Sudhir Ghosh	-	-
		<i>Pratidan Sangha</i>	<i>Ujjal Sarkar</i>	-	-
4	Nandanpur	-	-	-	-
5	Damdama	Gram Udyag	-	-	-
		Pally Unnyan Sangha	Ananda Das	9734127561	-
		Padatik Club	Gafur Ali Sarkar	9733261687	-
6	Gangarampur	Agrani Sporting Club	Dilip Kr. Das		

7	Jahangirpur	Rudra Sangha	Kanu Chakraborty		
		Nataji Sporting Club	Swadhin Roy		
		Vebekananda Sporting Club	Mantu Roy		
		Pally Unnyan Sangha	Hemanta Das		
8	Basuria	Bidyut Pathagar	Bablu Sarkar		
		Mitali Club	Osman Ali		
		Uday Sangha	Leyakat Ali		
9	Chaloon	Banihari Juba Sakti	Kaushik Nandi		
		Sankarpur Adibashi Kalyan Sangha	Suben Kerketa		
		Mirjapur Juba Sangha	Saharul Alam		
		Kurumsur Pritilata	Emtajul Haque		
		Sidlim Adibashi Juba Sangha	Mangal Tirki		
		Nabin Sangha	Som Nath Majumder		
10	Uday	Panchagram Deshari Welfare.	Madhab Ch. Barman		
		Uday Udayan Sangah	Palash Barman		
		Mostafapur S.K.U.S. Ltd.	Mafijuddin Molla		

11		Gangarampur Disha Welfare Society, Reg. No – S/IL/82453	Basudev Gope	9933046688	Sanitation and Disaster Managemen
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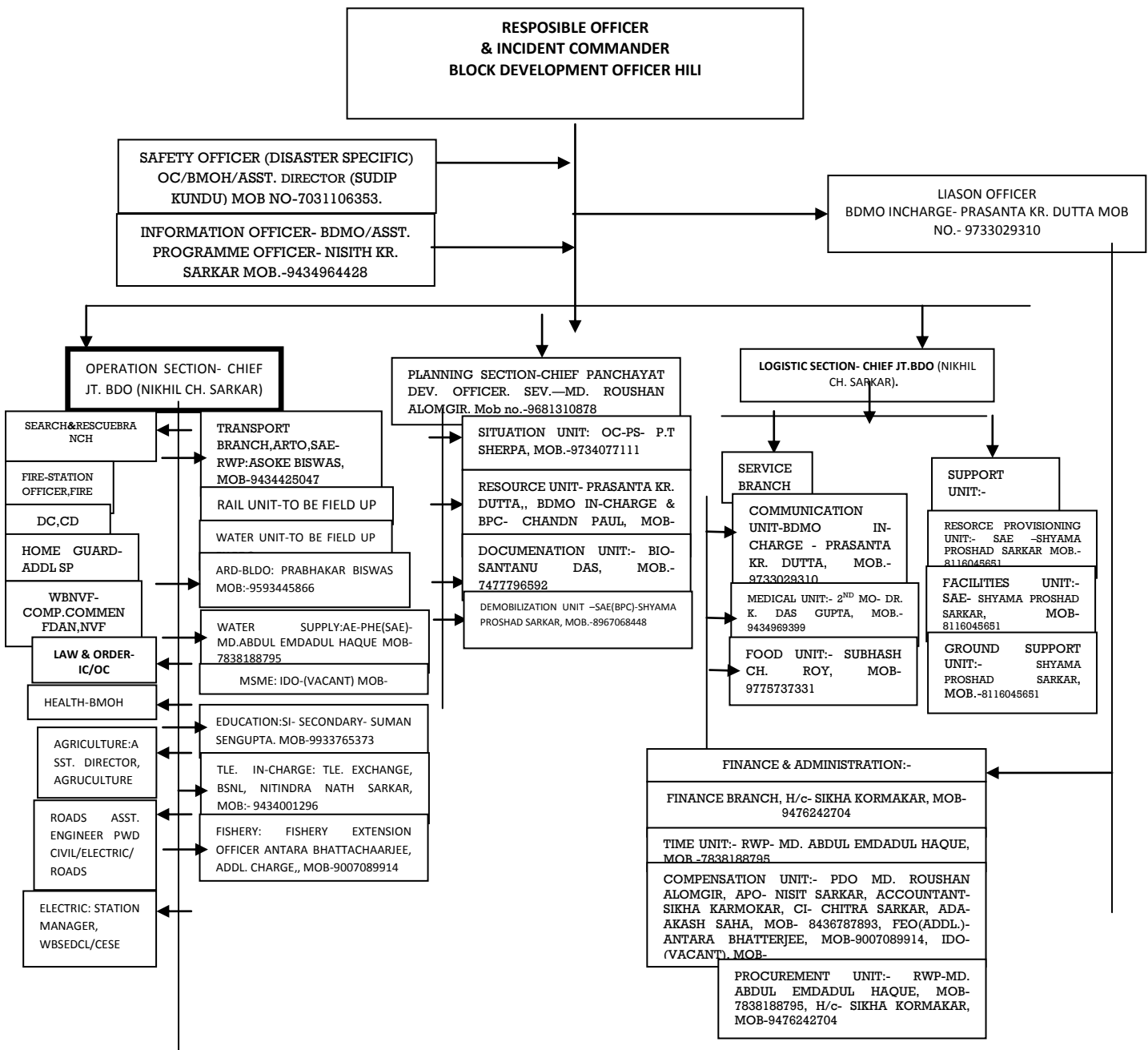
					nt
12		Gangrampur Prochesta , Reg. No- S/IL/98413	Supriyo Ghosh	9851928952	Sanitation and Disaster Manageme nt
13		Thangapara Rural Development & Health Society, Reg. No- S/IL/26125	Ashit Malakar	9932168648	Sanitation and Disaster Manageme nt
14		Gangarampur Path Maker, Reg. No- S/1L/39533	Subrata Roy	9563421649	Sanitation and Disaster Manageme nt
15		Uttar Narayanpur Gramin Mahila Unnayan Samity, Reg. No- S/1L/64700	Samir Churnakar	9733318180	Sanitation and Disaster Manageme nt
16		Sarbamangala Sadvabana Sechchhasebi Society, Reg. No- S/1L/78325	Pijanu Miah	9775484935	Sanitation and Disaster Manageme nt

**List of Civil defence Volunteers under Gangarampur Block.**

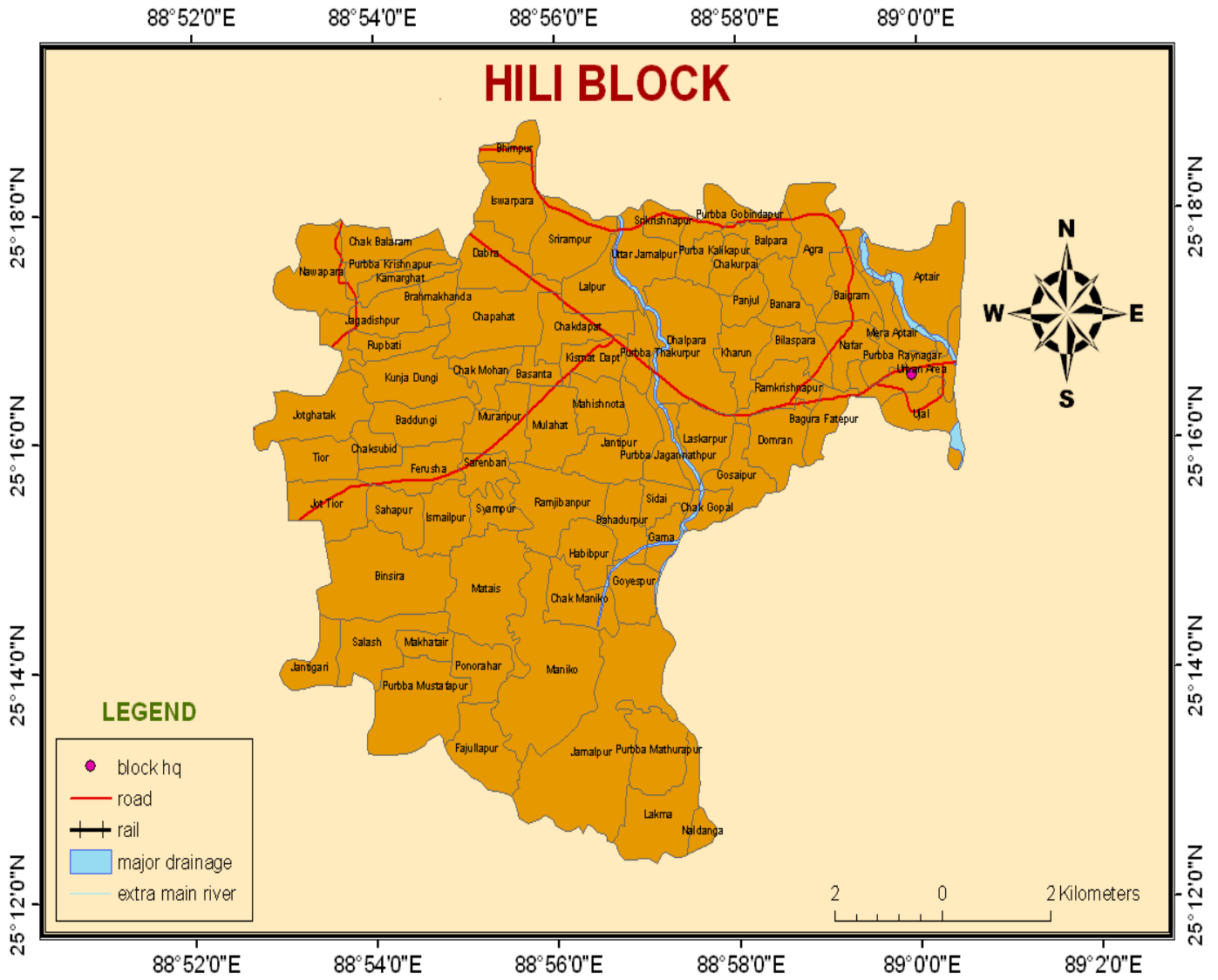
SL. NO	NAME OF CDV	FATHER'S NAME	Address	DOB	CONTACT NO.
1	Bapi Mohanta	Gopal Mohanta	Fulbari	16.02.1990	9851998024
2	Tapan Basak	Tarapada Basak	Nakair	29.09.1980	9614655148
3	Ramanath Karmakar	Rambilash Karmakar	Fulbari	16.03.1988	7384535326
4	Shibabrata Basak	Shiben Basak	Nakair	26.04.1990	9932265093
5	Rajib Barman	Ramendra nath Barman	Fulbari	25.06.1990	9851446262
6	Rana Das	Chanchal Das	Fulbari	21.04.1990	9614421398
7	Ashis Kabiraj	Atul Kabiraj	Tilna	16.05.1990	9733273529
8	Sumanta Roy	Brojesh Roy	Durgapur	25.04.1992	9564646251
9	Dhananjay Barman	Prakrishna Barman	Tilna	06.06.1989	9775997834
10	Jyotish Mandal	Kritish Ch. Barman	Sahabajpur	04.08.1988	9735959534
11	Mrinal Mandal	Manoj Mandal	Sahanali	25.02.1986	9733358455
12	Shekhar Sarkar	Lt. Sankar Sarkar	Sahabajpur	05.03.1989	9735982272
13	Ashok Kr. Das	Narayan Ch. Das	Gopalpur	12.02.1991	9851002093
14	Bipul Mahanta	Lt.Narayan Mohanta	Nayabazar	15.03.1985	9749322188
15	Ramanath Karmakar	Rambilash Karmakar	Fulbari	16.03.1988	7884535826
16	Ashok Kr. Das	Narayan Ch. Das	Gopalpur	12.02.1991	9851002093
17	Indrajit Das	Bamu Das	Durgapur		9614700046
18	Mohadeb Karmakar	Ruhidas Karmakar	Fulbari		9851164170

**Hili Block**  
**Disaster Management Plan-2019-20**

**INCIDENT RESPONSE TEAM – BLOCK LEVEL**



# Map of Hili Block



Prepared by NRDMs Centre, Dakshin Dinajpur

Hili is a flood prone block. Almost every year flood occurs in this block causing huge loss and suffering of people. The main river and khari are Jamuna, Sree and Ghola Khari. All the rivers and Khari pass through this block from Bangladesh and re-enter Bangladesh after passing through the territories of this block. As the rainfall data and advance flood warning messages are not communicated to this block by the Bangladesh authority, people within the territory to this block can not be warned sufficiently in advance to move another safer place in time. This grave problem needs to be shorted out with the help of the Bangladesh authority.

It was experienced that flood submerges the block areas if heavy rainfall occurs in catchments areas i.e. Bangladesh as well as in the locality simultaneously. Beside that the severity of flood and damage caused by it, is maximum. This block had experienced a sever flood in 1995 and 2005 (water logging) when there was insistence rainfall in catchment areas as well as in the block areas simultaneously. After 1995 we did not face any havoc though the rainfall sometime, was above normal.

**Gram Panchayat wise inventory of Disaster Mitigation Plan prepared and narrated below:**

**HILI GRAM PANCHAYAT**

The river Jamuna passes through the heart of the Gram Panchayat coming from Bangladesh covering about 3.5 Km in the Indian Territory. A comparative figure is furnished below which will state the number and names of the mouzas which may be affected as and when the water level rises.

Name of Vulnerable Village	Number of the person(s) of such Village	Name of Flood / Rescue Shelters with capacity	Name of safes and shortage root for evacuation
Baikunthapur	2514	Hili R.N.High School (2500)	Baikunthapur to Hili R.N.High School via Hili - Balurghat Pucca road
Basudebpur	2167		Basudevpur to Hili R.N.High School via Hili - Dharanda Pucca road
Ujjal	672		Ujal to Hili R.N.High School via Hili - Ujal Pucca road
Hili	2092	Hili Girl's High Schhol (2500)	Hili to Hili Girls High School in the same village
Dharanda	1065		Dharanda to Hili Girls High School via Daharanda - Hili School road
Aptair	3675	Flood Shelter (Anchal Bhavan) (250)	Aptair to Aptair F.P. School in the same viillage
		Aptair F.P. School (500)	Aptair to Flood shelter (Anchal Bhaban via Hili - Aptair Pucca road
		Maa Durga Rice Mill (Temporary structure)	Aptair to Maa Durga Rice Mill (Temporary Flood Shelter in the same village)

Rainagar	620	Rainagar F.P. School (400)	Rainagar to Rainagar F.P. School in the same village.
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Field Office Address	Name & Designation	Residential Address	Ph. No. With Code
(1)	(2)	(3)	(4)
1. No. Hili G.P.	1. Sri Nishith Sarkar, APO	Mahinagar, Balurghat, D/Dinajpur.	9434964428
	2. Sri Shyama Proshad Sarkar, SAE(BPC)	Balurghat, Salbagan para, D/Dinajpur.	8116045651
	3. Sri Amitabha Debnath, Operator.	Vill. Sahebkhachari, Balurghat, D/Dinajpur.	9734033199 / 9434176679
	4. Sri Manoj Dutta, Exe. Assistant	Saheb khachari, Balurghat, Dakshin Dinajpur	9547311738
	5. Sri Paltu Mondal, Nirman Sahayak	Ratua, Baikunthapur, Gazol, Malda.	8145242643
	6. Sri Madan Barman(Sahayak)	Girls College para, Balurghat, D/Dinajpur.	9832893221
	7. Sri Bidhan Ch. Roy, V.L.E.	Vill. Chamundatala, Hili, Dakshin Dinajpur.	9932738338
	8. Sri Bikram Das, G.R.S	Vill. Baikunthapur, Hili, Dakshin Dinajpur	9932739604
	9. Bablu Kr. Das, G. P. Karmee	Vill. Uttar Hili, Hili, Dakshin Dinajpur	9800660425
	10. Smt. Ratna Sarkar, G.P. Karmee	Vill. Teor, Hili, Dakshin Dinajpur	9735952932



### **RELIEF STORE**

Generally relief materials are stored in the Block Relief Godown, but in crisis the allotment of food grains, poly sheets, clothings etc. are to be allotted to the G.P. and stored in G.P. Office.

G.R. Rice / wheat are stored in the Godown of local G.R. dealer viz Gobinda Chandra Kundu, MR Shop No.14 of Hili (Mobile No. 9002903587).

### **EMBANKMENT**

One embankment in the eastern side of the river Jamuna constructed by the Irrigation & Waterways Department to protect the river Jamuna. As soon as the river crosses Pre-Danger Level mark, some portion of Basudevpur in the unprotected areas have been submerged causing much pandemonium by the local inhabitants.

### **SLUICE GATE**

The representative of Irrigation & Water Ways Department shall be asked to be ready for the maintenance work of embankment, sluice gates immediately in the flood preparatory meeting held on 17.05.2018 at Hili Panchayat Samity.

### **HIGH LAND FOR HELIPAD & AIRDROPPING**

Generally Hili Rama Nath High School Ground (opposite of the Hili Police Station) is identified as High Land for Helipad Air Dropping Point. BSF personnel are to be engaged for this purpose.

### **POST FLOOD MEASURES**

Medical team will be requested to continue their work after flood. Local BMOH has been asked to keep ready accordingly with sufficient stock of medicines. The BLDO has been asked to protect the life of cattle population if there be any eventuality. Comprehensive survey of damage, financial assistance to reconstruct the damaged houses by flood, compensation to the Next of kinds of the deceased will be finalized by the representative of the BDO, Panchayat Samity, Gram Panchayat with opposition leader jointly. The ADO has been asked to see the agricultural sector damaged by flood and render necessary assistance to the flood victims below poverty line. He has also been asked to submit daily rainfall report to the Block Development Officer and keep sufficient alternative crops, seed beds, paddy straw etc.

### **PANJUL RGRAM PANCHAYAT**

There is no river in this Gram Panchayat. Maximum number of population resides in low land areas. These areas are usually affected by water logging and the flash flood water of the river Sree situated to neighbor Gram Panchayat Dhalpara. Most of the people are Agriculture and day labourer. The following Mouzas are vulnerable, may be affected by flood/water logging under this Gram Panchayat.

Name of Vulnerable Village	Number of the person(s) of such Village	Name of Flood Shelter with capacity	Name of safes and shortage root for evacuation
Kharun	1443	Kharun F.P. School (300)	Kharun to Kharun F.P. School in the same village
		Panjul High School & Panjul F.P. School(1500)	Kharun to Panjul High School via Kharun - Panjul Pucca road
Panjul	1013	Panjul High School & Panjul F.P. School(1500)	Panuul to Panjul High School in the same village
Banora	1008		Banora to Panjul High School via Banora - Panjul Pucca road.
Balopara	967	Balopara F.P. School (400)	Bolopara to Blopara F.P. School in the same village.
Dumran	2076	Fatepur Balupara High School (1500)	Dumran to Fatepur Balupara High School in the same village
		Baikunthapur F.P. School (100)	Dumran to Baikunthapur F.P. School in the same village
Chakgopal	458	Gosaipur F.P. School (500)	Chakgopal to Gosaipur F.P. School in the same village
Gosaipur	673	Gosaipur F.P. School (500)	Gosaipur to Gosaipur F.P. School in the same village
Agra	1357	Agra Jr. Basic School (500)	Agra to Agra Jr. Basic School in the same village
Chakurpai	950	Chakurpai F.P. School (300)	Chakurpai to Chakurpai F.P. School in the same village.
		Panjul G.S. F.P. School (300)	Chakurpai to Panjul G.S.F.P. School via Chakurpai - Panjul Pucca road.
Baigram	615	Baigram F.P.School (200)	Baigram to Baigram F.P. School in the same village
		Nafar G.S. F.P. School (200)	Baigram to Nafar.G.S.F.P. School via Hospital more - Baigram Pucca road.

Field Office Address	Name & Designation	Residential Address	Ph. No. With Code
(1)	(2)	(3)	(4)

**Panjul G.P.**

P.O. Trimohini, P.S. Hili,  
Dakshin  
Dinajpur Ph.No.03522-  
253307

1.	Sri Pampi Sarkar, WDO	Hili, Barori tala, D/Dinajpur	9734074085
2.	Sri Pradip Kr. Roy, Operator.	Barwaritola, P.O. Hili, D/Dinajpur.	9933857115
3.	Sri Paresh Mahato, Asstt.Operator.	Vill. Dhalpara, P.O. Trimohini, D/Dinajpur	8145747133
4.	Sri Debajit Sarkar, Exe. Assistant	Narayanpur, Balurghat	7076635359
5.	Sri Mrinal Kr. Choudhury, Secretary.	Balurghat, , D/Dinajpur	9635045756
7.	Sri Niresh Ch. Barman, Sahayak	Vill. Manipur, P.O. Nunail, Blg.,D/Dinajpur.	9474853107
8.	Smt. Srabani Das (Saha), A/S(SSK/MSK)	Hili, Dakshin Dinajpur	9932834765
9.	Smt. Iti Kundu, A/S(SSK/MSK)	Hili, Dakshin Dinajpur	7586967924

In 1995, this G.P. was severally affected by flood/water logging due to damage of an embankment at Uttar Jamalpur (Northern side of the G.P.) 2 kms away from this G.P, which protected the flow of flood water of the river Sree from the Bangladesh side. As there was no advance flood warning system. It happened due to lack of advance warning system or any preparatory disaster management system.

**RELIEF STORE**

There are sufficient place in the G.P. office to store relief materials. G.R. Rice/Wheat are stored in the Godown of G.R. dealer i.e. Ratan Kr. Debnath, of Fatepur (Tel. No. 03522-250616).

**EMBANKMENT**

There is one embankment starting from Agra to Srirampur maintained by the CPWD. Before monsoon the embankments are usually strengthened.

**HIGH LAND FOR HELIPAD & AIRDROPPING**

There are no such places. Helipad and air dropping point identified for Hili G.P. will also serve the purpose for this G.P. as the venue of vulnerable areas are in the proximity of Hili G.P.

## **BOTH FOR RELIEF AND RESCUE OPERATION**

There is no country boat available in this G.P. One boat from Hili G.P. has been earmarked for this G.P. moreover; one speed boat may be placed in case of emergency.

### **PREPARATORY ARRANGEMENT**

Under progress imparting training to the local volunteers and CD volunteers are necessary before on set of

Name of Vulnerable Village	Number of the person(s) of such Village	Name of Flood Shelter with capacity	Name of safes and shortage root for evacuation
Gobindapur	297	Srikrishnapur F.P. School (300)	Gobindapur to Srikrishnapur F.P. School via Gobindapur - Srikrishnapur CPWD road.
Srikrishnapur	420		Srikrishnapur to Srikrishnapur F.P. School in the same village
Uttar Jamalpur	605	Trimohini PCUM Vidhyalaya (2000)	Uttar Jamalpur to Trimohini PCUM Vidhyalay via Trimohini - Uttar Jamalpur Pucca road.
Chakdapot	1701		Chakdapot to Trimohini PCUM Vidhyalay in the same village.
Lalpur	2008		Lalpur to Trimohini PCUM Vidhyalay via Trimohini - Lalpur Pucca road.
Kalikapur	700	Kalikapur F.P. School (400)	Kalikapur to Kalikapur F.P. School in the same village
Kismatdapat	3119	Kismatdapat Flood Shelter (250)	Kismatdapat to Kismatdapat F.P. School in the same village
		Kismatdapat F. P. School (250)	Kismatdapat to Kismatdapat Flood Shelter in the same village
		Chakdapat F.P. School (500)	Kismatdapat to Chakdapat F.P. School, northern side of the village.
Dhalpara	1399	Dhalpara F.P. School (300)	Dhalpara to Dhalpara F.P. School in the same village.
Laskarpur	1274	Laskarpur F.P. School (200)	Laskarpur to Laskarpur F.P. School in the same village.
Mohisnota	1462	Mohisnota F.P. School (300), Mulahat F.P. School (400)	Mohisnota to Mohisnota F.P. School in the Same village.
Srirampur	1362	Srirampur F.P. School (200)	Srirampur to Srirampur F.P. School in the same village
Dabra	1169	Dabra Jr. Basic School(500)	Dabra to Dabra Jr. Basic School in the same village
Sarenbari	246	Muraripur F.P. School (200)	Sarenbari to Muraripur F.P.School, Northern side of the village.
Basanta	606	Muraripur Sonauallah High School (1500)	Basanta to Muralipur Sonauallah High School via Hili - Balurghat Pucca raod.
Muraripur	787		Muraripur to Muralipur Sonauallah High School in the same village.

monsoon.

### **SUPPLY OF PORTABLE WATER**

One Tube-well with high platform has been constructed at Panjul High School; tube well with high platform may be constructed at each rescue shelter, which may serve in general.

### POST FLOOD MEASURE

The BMOH has been asked to make preparatory arrangement before on set of monsoon and render necessary help with staff and medicine in case of eventualities. BLDO and ADA have been also advised accordingly. Block, Panchayat and G.P. will finalise comprehensive survey of damage, financial assistance to rebuild the damaged homes affected by flood and compensation to the kins of the deceased jointly.

### DHALPARA GRAM PANCHAYAT

There is one river Sree passes through the G.P. entering from Bangladesh and re-entering to Bangladesh after covering about 10 kms. Though this is a small river, yet the magnitude of devastation during flood is maximum. There is no system of water protection/dam in the river and lack of advance information of flood warning message the situation becomes more disastrous in the event of actual flood.

The following mouzas are vulnerable to flood (Population shown side by side)

### RELIEF STORE

Field Office Address	Name & Designation	Residential Address	Ph. No. With Code
(1)	(2)	(3)	(4)

#### **Dhalpara G.P.**

P.O. Trimohini,  
P.S. Hili, Dakshin  
Dinajpur  
Ph.No. 03522-  
253307

1.	MDRoushan Alamgir, PDO, Hili	English Bazar, Malda, Uttar Dinajpur	9681310878
2.	Sri Sukanta Sarkar, BCW,	Coochbihar	9564080601
3.	Sri Biplab Kr. Kundu, UDC	Dhaka Gobindapara, Balurghat, D/D	9800965626
4.	Sri Debasish Biswas, LDC	Balurghat, Dakshin Dinajpur	9800083723
5.	Sri Shibnath Mahato, Operator	Vill. Kashimpur P.O. Trimohini, D/Dinajpur.	9733484802
6.	Sri Gopal Munshi, Operator	Vill. Patiram, D/Dinajpur.	9474072989
7.	Sri Debojit Sarkar, Executive Assistant.(In- Charge)	Vill. Narayanpur, Balurghat, D/Dinajpur	9474717100

- |     |                                     |   |            |
|-----|-------------------------------------|---|------------|
| 8.  | Sri Adhir Ch. Sarkar,<br>Secretary. | Vill. Harigram, P.O.<br>Gopalbati,<br>Balurghat,D/Dinajpur. | 9836975572 |
| 9.  | Sri Pranoy Mohanta,<br>Sahayak      | Vill.Narayanpur,Balurghat,<br>D/Dinajpur                    | 9414953930 |
| 10. | Sri Sudarshan Sarkar,<br>N/Sahayak  | Vill. Bangi J.L.P.School<br>Para, Balurghat, D/Dinajpur     | 9434140744 |

A room has been earmarked for relief store in the flood shelter in case of emergency. Otherwise the stock of relief materials will be stored at G.P. office.

G.R. rice/wheat will be stored and distributed from G.R. dealer Sri Kalicharan Ghosh of Chakdapat, MR Shop No. 10 (Mobile No. 9002777905)

#### **EMBANKMENT**

There is one embankment at Uttar Jamalpur maintained by the CPWD. Uttar Jamamlpur and Srikrishnapur are the most vulnerable mouzas to this block. which are unprotected. Almost every year the low-land areas of these mouzas are affected by moderate flood by the water coming from Bangladesh through the river Sree.

#### **SLUICE GATE**

The Irrigation and Water Way Department should repair all sluice gates to the bridge near Uttar Jamamlpur.

#### **HIGH LAND FOR HELIPAD & AIRDROPPING**

There is no such high land for Helipad and Airdropping. The field of Hili R.N. High School has been located for the purpose, which is 6/7 kms away from this G.P.

#### **POST FLOOD MEASURES**

Medical team, Agriculture Department, BLDO and other department in the Block have been advised to keep themselves alert for the purpose. Survey of damage houses and crops, arrangement of financial assistance to the indigent persons whose houses are damaged/destroyed and the person lost their crops and provide compensation to the kins of the deceased are finalized jointly by the Block and Panchayat functionaries.

#### **BINSIRA GRAM APNCHAYAT**

There is no river in this G.P. One Khari viz Ghola Khari passes through the G.P. coming from Bangladesh and re-entering to Bangladesh covering about 10 kms in the Indian Territory. The G.P. is

affected partially by heavy rainfall and water logging. The following mouzas are vulnerable to flood and water logging.

Name of Vulnerable Village	Number of the person(s) of such Village	Name of Flood Shelter with capacity	Name of safes and shortage root for evacuation
Ferusa	1597	Teor K.A. High School (2500)	Ferusha to Teor K.A. High School via Hili-Balurghat Pucca Road
Ismailpur	628		Ismailpur to Teor K.A. High School via Hili-Balurghat Pucca Road
Shyampur	714	Teor Sarbeswari Valika Vidyalay (1500)	Shyampur to Teor Kalibari via Shyampur - Kalibari Pucca Road then Tear Sarbeswar Balika Vidhyalaya via Hili - Balurghat Pucca Road.
Mataish	1391	Mataish Jr. Basic School (500)	Mataish to Mataish Jr. Basic School in the same village
Baddungi	447	Nowpara Jr. Basic School (400)	Baddungi to Nowpara Jr. Basic School via Toer - Nowpara Pucca Road
Purba Krishnapur	408	Purba Krishnapur F.P. School (200)	Purba Krishnapur to Purba Krishnapur F.P. School in the same village
Kunjadungi	570	Kunjadungi F.P. School (300)	Kunjadungi to Kunjadungi F.P. School in the same village
Jantigari	91	Salash F.P. School (150)	Jantigari to Salash F.P. School via Purba Mostafapur - Teor Pucca Road
Purba Mostafapur	1149	Purba Mostafapur F.P. School (500)	Purba Mostafapur to Purba Mostafapur F.P. School in the same village
Powrahar	699	Mokrapur F.P. School (200)	Pourahar to Mokrapur F.P. School in the same village

### **RELIEF STORE**

G.P. office has sufficient place for making storage of relief materials. G.R. rice/wheat have been stored with G.R. dealer Amal Ch. Sarkar, of Chakbalaram, MR Shop No. 17.

### **HIGH LAND FOR HELIPAD AND AIRDROPPING**

Generally Hili R.N. High School play ground has been identified for helipad and air dropping. But in case of emergency, Teor Bharat Sevasram Sangha play ground may be arranged as helipad and air dropping.

### POST FLOOD MEASURE

Medical team, Veterinary aids and supply of cattle feeds, financial assistance to reconstruct the damage houses, compensation to the kins of the deceased, inspection, restoration and repair of infrastructural facilities and disinfecting of drinking water are ensured after flood. This works is done jointly with the help of Panchayat functionaries.

### RELIEF AND RESCUE TEAM

Field Office Address	Name & Designation	Residential Address	Ph. No. With Code
(1)	(2)	(3)	(4)

**Binsira G.P.**

P.O. Teor, P.S.

Hili, Dakshin Dinajpur

Ph.No. 03522

252308

- |    |  |  |            |
|----|--|--|------------|
| 1. | M.d, Amir<br>Hossair,EO-MEE)                       | Habaspur math para,<br>Bhagangola, Murshidabad.                    | 9932556308 |
| 2. | Sri Md. Abdul<br>Emdadul Haque,<br>JE/SAE(RWS)     | Madhupur, Manikchak, Malda   | 7838188795 |
| 3. | Sri Satyajit Das,<br>Operator.                     | Vill. Bakshiganj, P.O. Fatepur,<br>Dakshin Dinajpur                | 9635460552 |
| 4. | Sri Biplab Das,<br>Secretary,Binshira.             | Vill. Balurghat,D/Dinajpur.  |            |
| 5. | Sri Manoj Dutta,<br>Exe. Assistant (In-<br>Charge) | Sahebkachari, Balurghat, Dakshin<br>Dinajpur                       | 9547311738 |
| 6. | Sri Bappa Dutta,<br>Sahayak                        | Vill.Prachayabharoti(MahantaPara),<br>P.O. Teor, Dakshin Dinajpur. | 9932923595 |
| 7. | Sri Anil Mali,<br>G.P.Karmee                       | Vill. Panjul,<br>P.O. Fatepur, D/Dinajpur                          | 9474347020 |



### JAMALPUR GRAM PANCHAYAT

This G.P. is the most vulnerable flood prone Gram Panchayat of this block. The only river that is Sree passes through the G.P. in its down stream coming from Bangladesh and reentering to Bangladesh covering approximately 6 kms. Lack of advance flood warning message and rainfall forecast, the people of the area kept in dark about the gravity of the situation. There is no water protection system of the river Sree. Irrigation & Waterways Department may arrange this system.

### EMBANKMENT-CUM-ROAD

Embankment-cum-Road is maintained by Irrigation & Water Department and CPWD. Proper care should be made to these embankments, as this G.P. is most vulnerable to flood. Some culverts in eastern side of Mathurapur B.S.F. Camp was proposed for construction to facilitate easy flow of excess water of the river Sree as well as the stagnant water eased due to rainfall in monsoon. Some culverts were constructed but it is not enough to flow away the water. The matter may be taken up with CPWD and Irrigation & Water Department.

Name of Vulnerable Village	Number of the person(s) of such Village	Name of Flood Shelter with capacity	Name of safes and shortage root for evacuation
Jamalpur	3674	Jamalpur MSK (500)	Jamalpur to Jamlpur MSK via Purba Mathurapur CPWD Road
		Jamalpur F.P. School (400)	Jamalpur to Jamlpur MSK via Purba Mathurapur CPWD Road
		Temporary shelter on CPWD Road from Sedai to Lakma (2000)	Jamalpur to Temporary flood shelter at CPWD Raod via Purba Mathurapur CPWD Road
		Dakshin Jamalpur F. P.School (200)	Jamalpur to Dakshin Jamlpur F.P. School in the same village
		Jamalpur Flood Shelter (200)	Jamalpur to Jamlpur flood shelter in the same village
Lakma	1025	Lakma Bangalipur Jr. Basic School (500)	Lokma to Lokma Jr. Basic School in the same village
Purba Mathurapur	855	Purba Mathurapur F. P.School (300)	Purba Mathurapur to Purba Mathurapur F.P. School in the same village

Maniko	1354	Maniko Adivasi High School (1500)	Maniko to Maniko Adibashi High School in the same village
Chakmaniko	155		Chakmaniko to Maniko Adibashi High School via Teor - Bangalipur Pucca Road.
Gayespur	653	Gayeshpur F.P. School (200)	Gayeshpur to Gayeshpur F.P. School in the same village
Garna	858	Garna F.P. School (400)	Garna to Garna F.P. School in the same village
Bahadurpur	478		Bahadurpur to Garna F.P. School via Purba Mathurapur - Trimohini Pucca Road.
Habibpur	54	Ramjibanpur F.P. School (300)	Habibpur to Ramjibanpur F.P. School via Ramjibanpur - Trimohini Pucca Road.
Sedai	475	Sedai F.P. School (150)	Sedai to Sedai F.P. School in the same village
Ramjibanpur	868	Ramjibanpur F.P. School (300)	Ramjibanpur to Ramjibanpur F.P. School in the same village

### **RELIEF STORE**

There is enough capacity in the G.P. to store relief materials. In case of necessity relief materials may be stored at flood shelter at Jamalpur. G.R. rice/wheat are stored in the godown of local G.R. dealer Subhas Sarkar of Jamalpur, MR Shop No.9 (Mobile no. 9434347310)

### **HIGH LAND FOR HELIPAD AND AIRDROPPING**

There is no such high land for facilitating the Helipad and Airdropping in the G.P. Only high land during flood is CPWD Road – cum- Embankment. The road communication system has been improved after 1995 flood, there will be no difficulty to move the relief commodities by road from Hili. (Hqr). BSF personnel assured that all possible cooperation will be rendered in the event of flood. Proper arrangement of guarding of embankment preparing helipad during flood will be done. They also assured that their communication network might be utilized in case of need. The top of the roof of Maniko Adibashi High School may be used for Helipad in emergency.

### **RESCUE AND RELIEF OPERATION**

This G.P. faced acute problem for distribution of relief during flood in 1995 due to non-availability of country boat in the area. Problem for movement of relief materials during flood was also faced in 1995 as the BDR of Bangladesh prohibited movement of boat through the river Sree that submerged by flood and territorial identification was not possible. Rendering relief is made on local negotiation, Joint discussion with Bangladesh authority centrally or at State Level.

### **RELIEF AND RESCUE TEAM**

Field Office Address	Name & Designation	Residential Address	Ph. No. With Code
(1)	(2)	(3)	(4)

**Jamalpur G.P.**

P.O. Jamalpur, P.S. Hili,  
Dakshin Dinajpur

1 Sri Ashok Biswas, JE- . S.A.E.(RWP)	Biswaspara Balurghat,D/Dinajpur.	9434425047
2 Sri Biplab Kr. Roy, . Operator	Vill. Kshidirpur, Balurghat, D/Dinajpur.	9641278241
3 Sri Sunanda Malaker, . Sahayak	Vill. Sahebkachari para, P.O. Balurghat, D/Dinajpur.	9475723854
4 Sri Ajay Rabidas, P.H.S. .	Vill. Binsira, P.O. Teor, Hili, D/Dinajpur.	9932213843
5 Sri Binoy Sarkar, BC(SB) .	Vill. Baigram, Panjul, Hili	9932327950
6 Sri Tapash Kr. Deb, Mech .	Balurghat, D/Dinajpur.	03522-256489
7 Sri Ghutu Bhengra, G.P. . Karmee	Vill. Jamalpur, Hili, Dakshin Dinajpur	

**Jamalpur Flood Shelter,**

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P.O Jamalpur, P.S. Hili,

Dakshin Dinajpur

- |   |                                       |   |            |
|---|---------------------------------------|---|------------|
| 1 | Sri Santanu Das, B.I.O.               | Balurghat,<br>Dakshin Dinajpur                            | 9475105601 |
| 2 | Sri Soumyadip Sengupta,<br>Secretary. | Vill.<br>Prachyabharati<br>road Balurghat,<br>D/Dinajpur. | 7797927107 |
| 3 | Sri Sudhir Saha, Mech                 | Balurghat,<br>D/Dinajpur                                  |            |
| 4 | Sri Tumpa Ghosh,<br>Supvisor (SHG)    | North<br>Chakbhabani,<br>Shibtali,<br>D/Dinajpur          | 9474434330 |
| 5 | Sri Biplab Laha, Nirman<br>Sahayak    | Harirampur ,<br>Dakshin Dinajpur                          |            |
| 6 | Sri Kshirod Das.Gr.-D,                | Chakvigu,Balurgh<br>at, Dakshin<br>Dinajpur               | 9593726879 |
| 7 | Khagen Barman, G.P.<br>Karmee         | Maniko, Hili,<br>Dakshin Dinajpu                          | 9474435027 |

### **POST FLOOD MEASURES**

Medical assistance to the flood victims are made by the BMOH jointly with other voluntary organizations, ICDS employees, Panchayat functionaries. The Gram Panchayat functionaries provide country boat for rescue the flood victims. Veterinary aids and supply of cattle feed, financial assistance to the kin of the deceased, inspection, restoration and repair of infrastructural facilities and disinfecting of drinking water will be ensured after flood. These works are done jointly with Panchayat functionaries, Block Administration, Panchayat Samiti functionaries.

**Quick Response Team (QRT) at the Block Head Quarter.**

Name / Designation / Address( along with residential address )	Ph. No. with STD, E-Mail
1. Sri Sanjay Subba, WBCS (Executive) Block Development Officer, Hili	250248 (O) 8373069033
2. Sri Prasanta Kr.Dutta, BWO, Hili, Dakshin Dinajpur	9733029310
3. Sri Brajendra Nath Roy, SEO Hili, Dakshin Dinajpur	9647850467
4. Sri Nishith Sarkar, APO Mahinagar,Balurghat	9434964428
5. Sri Tultul Lahiri,Bal-Sebika Balurghat, Dakshin Dinajpur	9126922175
6. Sri Santanu Das, BIO, Hili Vill. Balurghat, D/Dinajpur	9475105691
7. Sri Mandrita Karmakar, Cashier, Hili Saheb kachari (Salbagan) Balurghat, Dakshin Dinajpur	7319453528
8. Sri. Sourav Saha, DEO Chakbhabani,Blg., Dakshin Dinajpur.	7602652070
9. Smt. Mandrita Sarkar, LDC Balurghat, Dakshin Dinajpur.	8900467944
10. Sri. Amit Saha, C.A., Balurghat, Dakshin Dinajpur.	9800780990
11. Sri Anay Kr. Chakraborty,UDC, Balurghat, Dakshin Dinajpur	7047180490/9434424436
12. Smt. Sudip Paul,(Cashier, Hili P/S) Balurghat, Dakshin Dinajpur	8597414039/9475612712
13. Sri Samir De, Data Manager Vill. Basudevpur, Hili, Dakshin Dinajpur.	9734836667
14. Sri Kshirod Das, Gr-D Balurghat, Dakshin Dinajpur.	9593726879
15. Sri Tapan Kar, Gr-D Balurghat, Dakshin Dinajpur.	9800534699
16. Sri Swapan Kr. Pramanik, N.G. Hili, Dakshin Dinajpur.	9933892049
17. Rishikesh Paul,vill- Brahmangram, Harirampur	9732454231
18. Bhaskar Chakraborty, Mokterpara, Balurghat	7586028406

- 19 Bimalendu Ekka, Balopara, Fatepur, Hili 8373008812  
 20. Amarnath Banerjee, Rabindranagar, Balurghat 9474380263

**Telephone Directory**

SL. No.	Name	Designation	Address	Phone Number	
1.	Subhankar Mahato	Savapati	Hili	03522-250250	9002218073
2.	Sanjay Subba	B.D.O.	Hili	03522-250248	8373069033
3.	Dr. Rudrangshu Majumder	BMOH	Hili		8420057666
4.	Tashi Therang Sharpa	O/C, Hili P.S.	Hili	03522-250234	9734077111
5.	Dr. Probhakar Biswas	BLDO	Hili		9493445866
6.	Dr. Akash Saha	ADA	Hili	03522-250655	8436787893
7.	Babul Islam	CDPO	Hili	03522-252786	9051757148
8.	Saran Subba	BL & LRO	Hili	03522-250668	9832079594
9.	Suman Sengupta	SI of Schools	Hili		9933765376
10.					
11.	Prasanta Kr. Dutta	BWO	Hili	--	9733029310
12.	WBSEB	Station Manager	Hili	03522-250243 (Hili) 03522-252250 (Trimohini)	

**BOAT OWNERS' LIST**

**Hili Block**

SL.NO	NAME	GP	SANSAD	CONTACT NO.	REMARK
<b>HILI GRAM PANCHAYAT</b>					

1	GAUTAM SARKAR	HILI			
2	SUBRATA MALI	HILI	HILI	9563049239	
3	GOPAL DAS	HILI	HILI	9933038384	
4					
<b>DHALPARA GRAM PANCHAYAT</b>					
1	PRADIP DAS	DHALPARA	LALPUR	7872814351	
2	BALAI DAS	DHALPARA	LALPUR	9733201568	
3	PABAN DAS	DHALPARA	LALPUR	7797416734	
4	PARESH DAS	DHALPARA	LALPUR	7407109829	
5	AMAL DAS	DHALPARA	LALPUR	8167615692	
6	RAATAN ROY	DHALPARA	LALPUR	9735969948	
<b>JAMALPUR GRAM PANCHAYAT</b>					
1	SUDEB DAS	JAMALPUR	MATHURAPUR	8972163168	
2	ANDIRAJ TAPNA	JAMALPUR	MANIKO	8972163168	
3	GANGADHAR DAS	JAMALPUR	D/JAMALPUR		
4	GANESH CH. DAS	JAMALPUR	MANIKO	9800637112	

**NAME OF THE BLOCK: - KUSHMANDI**

**INTRODUCTION :- Disaster Management Plan covers a broad range of interventions undertaken Before, during and after a Disaster- to prevent or minimize loss of life and Property, minimize human suffering and hasten recovery.**

**BLOCK PROFILE :**

1	Total Area of the Block	310.50 Sq. Km.
2	Total No. of Mouzas	230 Nos.
3	Main River	Tangan, Maan, Srimati, Tulai
4	River in Zero Level	25' ft.
5	River in Danger Level	25'-6" ft.
6	Other Channels	Baliakhari, Barobil, Vetnai etc.
7	Average Rainfall thought the Year	1500 mm.
8	Total No. of Population	2,15,168 ( As per Census 2011 & projected population)
9	Area affected by Flood in Previously (Approx)	136 Mouzas of different G.P.s (i.e, Akcha, Karanji, Udaypur, Kushmandi, Kalikamora, Maligaon G.P., & partly Beroil & partly Deul G.P. )
10	Main Economic Activity of the area	Cultivation & Small Trades
11	Total Cultivation Land	27,236 Hec.
12	International Border area	7 Kms (approx) covering Udaypur & Maligaon GP.
13	Total No. of Household	45,133 Nos.
14	Name of Flood Shelters.	1. Mangalpur 2. Chousa
15	Name of the rescue centre	As mentioned in Column No. 5 in Order Sheet.
16	Name of the Proposed relief Distribution centre.	Normally through the Gram Panchayat Office and rescue centres,
17	Name of the place where Relief materials to be stored.	Kushmandi High School
18	Source of Baby Food	Biswajit Sarkar, Auth. Dealer, Kushmandi, Ph. No. 9593656524
19	Proposed Helipad	At Playground of Kushmandi High School
20	Alternative roads/Ways or contact	None except the conventional State Highway 10A Kushmandi to Gangarampur via Chourangi, Katabari
21	Address of The Control Room and Name of Officer-in-Charge :	Kushmandi Dev. Block, Contact No. 03524-263486, Sri Adhir Kumar Pal ,BDMO, Contact No. 9475898501



**Name of the Block Disaster Management Committee :**

SL. No.	Name of Officials/Staff	Designation	Address	Phone Number	
				Office	Residence
1	Sunanda Biswas, Savapati KMD Panchayat Samity	Chairperson	Kushmand		8145877096
2	Md. Zakaria, B.D.O.	Secretary	Kushmand	03524 263486	9434063486
3	Sri Narmada Ch. Roy, MLA	Member	Kushmandi		9775925821
4	Adhir Kumar Pal, B.D.M.O	Member	Kushmandi	03524 263486	9073938196
5	B.M.O.H	Member	Kushmandi		9830350069
6	I.C. Kushmandi P.S.	Member	Kushmandi	03524- 263452	9434732295
7	Smt. Fulmala Roy(Biswas) Karmadhyaksha Tran S/Samity	Member	Kushmandi		6295326794
8	Chameli Chowhan, Prodhan, Akcha G.p.	Member	Kushmandi		8145945271
9	Smritikana Debsharma Sarkar, Prodhan, Karanji GP	Member	Kushmandi		9679944278
10	Abdur Rajjak, Udaypur GP	Member	Kushmandi		9733009931
11	Binoy Sarkar , Prodhan, Deul GP	Member	Kushmandi		9775430187
12	Sandhya Mardi, Prodhan, Kushmandi GP	Member	Kushmandi		9635209748
13	Rinki Debsharma, Prodhan, Beroil GP	Member	Kushmandi		900239435
14	Ashalata Biswas, Prodhan, Kalikamora GP	Member	Kushmandi		8145422414
15	Shyamal Sarkar, Prodhan, Maligaon	Member	Kushmandi		9002862897

17	Surojit De, IMW	Member	Kushmandi	03524 263486	9563749367
18	Dhiren Hembram , BIO	Member	Kushmand	03524 263486	9749071423
19	Antara Bhattacharya, FEO	Member	Kushmand	03524 263486	9007089914
20	Bhobotosh Bhuimali, H/C	Member	Kushmand	03524 263486	9064222645
21	Subir Sarkar, SAE (A-I),	Member	Kushmandi	03524 263486	9434161982
22	Subhra Kr. Saha, SAE(BPC)	Member	Kushmandi	03524 263486	9434425488
23	Shyamal Ch. Roy, SEO	Member	Kushmandi	03524 263486	9933145084
24	Piu Karmakar Singha, SAE(RWP)	Member	Kushmand	03524 263486	9851375240
25	Subrata Barman. Ins. (BCW)	Member	Kushmand	03524 263486	9641204040
26	Asit Sanyasi, CI	Member	Kushmandi	03524 263486	9153183944
27	Babli Ghosh, WDO	Member	Kushmandi	03524 263486	7432918061
28	Ajit Kumar Sarkar, ADA	Member	Kushmandi	03524- 263266	9434512085
29	Pradip Pati, BLDO	Member	Kushmandi		9748597795
30	Dilip Kr. Jha, F & S	Member	Kushmandi		7797919318
31	Saradindu Naskar, CDPO	Member	Kushmandi		9143768929
32	Amit Das, BMOH	Member	Kushmandi		9830350069

**Control Room :**

Sl. No.	Name of the Officials	Designation	Contact No.
2	Soham Chowdhury	Jt. BDO	9733109222
3	Adhir Kr. Paul	BDMO	9073938196

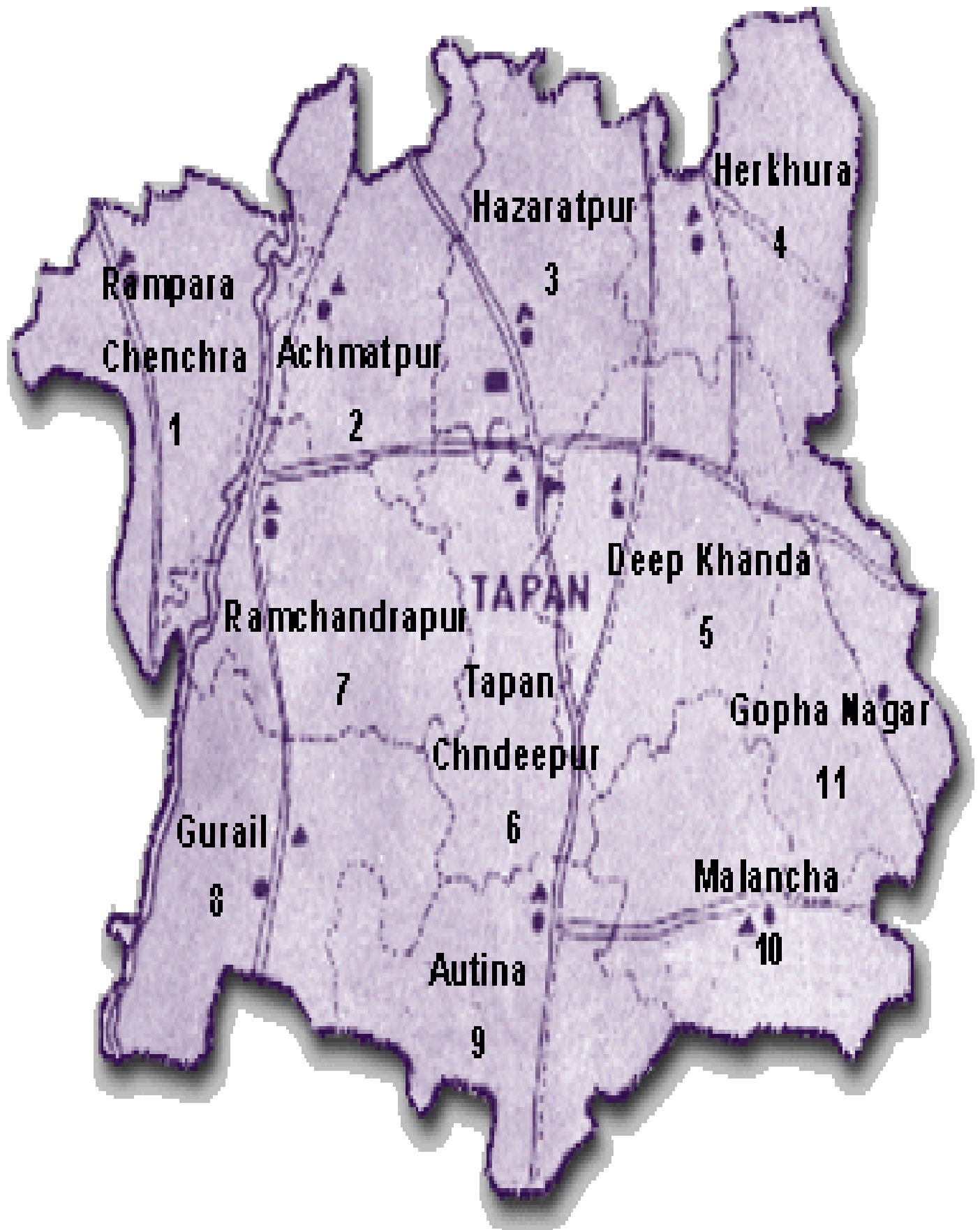
4	Bhobotosh Bhuimali	Head Clerk	9364222645
5	Shymal Roy	SEO	9933145084
	Saikat Sikdar	IMW	9800869630
6	Babli Ghosh	WDO	7432918061
7	Dhiren Hembram	BIO	9749071423
8	Chandrani Das Guho	OCM	9775416841
9	Sarfaraj Ahamed	UDC	9614477732
10	Anarul Haque	AO	9647707269
11	Rabiul Islam	AO	9733452807
12	Manideep Roy Sarkar	CW	8348676823

<b>SOME IMPORTANT TELEPHONE NOS.</b>		
1	District Magistrate, D/Dinajpur	Off. 03524-255206
2	Dist. Disaster Mangmt. section	Off. 03522-255020
3	Executive Engineer, PHE Balurghat	03522-255576
4	Executive Engineer(A-I) Balurghat	03522-255912
5	Sub-Divisional Officer, Gangarampur	Off. 03424-259086
6	Block Dev. Officer, Kushmandi	Off. 03524-263486 Mob. 9434063486
7	S.D.P.O., Gangarampur	9735099533/ 9734116650
8	Civil Defense, Balurghat	03522-255611
9	Asstt. Engineer(RWS Sub-Divn. PHE), Balurghat.	03522-255639
10	Asstt. Engineer,(A-I), Gangarampur	03524-259289
11	Asstt. Engineer (A.M.), Gangarampur	03524-255160
12	B.L.D.O., Kushmandi	Res. 9748597795
13	M.L.A., Kushmandi	Res. 9775925821
14	Savapati, Kushmandi P.Samity	814577096
15	BPHC, Kushmandi	Off. 0324-263406 9830350069
16	Fire Brigade, Gangarampur	03524-256800
17	A.D.A. Kushmandi	Off. 03524-263266/9434512085
18	Police Station	03524-263452/9434732295
19	B.L. & LRO, Kushmandi	03524-263073
20	SM, WBSEDCL, Kushmandi	7449301567
21	F & S, Kushmandi	7797919318
22	Saradindu Naskar	9775134243

<b>COMMUNICATION TO THE FLOOD SHELTERS</b>	
Mangalpur H. School	9609989250
DhakDhol H. School	9474327195
Chousa High School	9733080427
Lohaganj High School	9434325349
Katabari High School	9733444193
Mahagram M.S.K.	9733317787
Sarala BNS High School	9434873862
Aminpur High School	9933520744
Kushmandi High School	7407197898
Nahit H. School	7551849411
Parameshwarpur H. School	9434378246
Kachra High School	03523-272440/ 9635459960
Beroil FPSchool	
Ghatsa Primary School	9434965901
Mahipal High School	9775890068

NAME OF THE BLOCK: - TAPAN

Map of Tapan Block



**INCIDENT RESPONSE TEAM - BLOCK LEVEL**

**RESPONSEBLE COMMANDER & INCIDENT  
COMMANDERBLOCK DEVELOPMENT OFFICER -**  
Sri Susanta kumar Maity (BDO) –  
8373069031/7797710266

Annexure-III

**SAFETY  
OFFICER(DIESTER  
SPECIFIC) OC/BMOH/  
Asst. Director..... Sri  
Junas Kisku -  
8900673703/907393819  
2**

**LIAISON  
OFFICER BDMO –**

**INFORMATION  
OFFICER (BIO) -  
Sri Dibakar Lahiri -  
943415570**

**OPERATION  
SECTION CHIEF  
Joint BDO - Smt.  
Bandana Sherpa -  
9064324072**

**PLANING  
SECTION CHIEF-  
Panchyet Dev. Officer  
- Sri Avik Das-  
8981478785**

**LOGISTIC  
SECTION  
CHIEF- Joint BDO  
- Smt. Bandana  
Sherpa-  
9064324072**

**SEARCE &  
RESCUE  
BRANCH**

**Fire-Station  
Officer Fire**

**CD. Addi. D.C,  
CD**

**Home Guard -  
Addi SP**

**TRANSP  
ORT  
BRANCH  
, ARTO,  
SAE**

**RAIL  
UNIT -  
ADA Dr.  
Satadeep  
Singha  
Roy**

**WATER  
UNIT -  
ADA Dr.  
Satadeep  
Singha  
Roy-  
94746898  
78**

**SITUATION  
UNIT  
Panchyet  
Development  
Officer/  
BDMO/ OC-  
PS - Sri Avik  
Das-  
8981478785**

**RESOURCE  
UNIT  
BDMO, SAE  
- Sri Amar  
Bandhapadhy  
ai-  
9476462897/  
Chandan Paul  
-8967068448**

**SERVICE  
BRANCH**

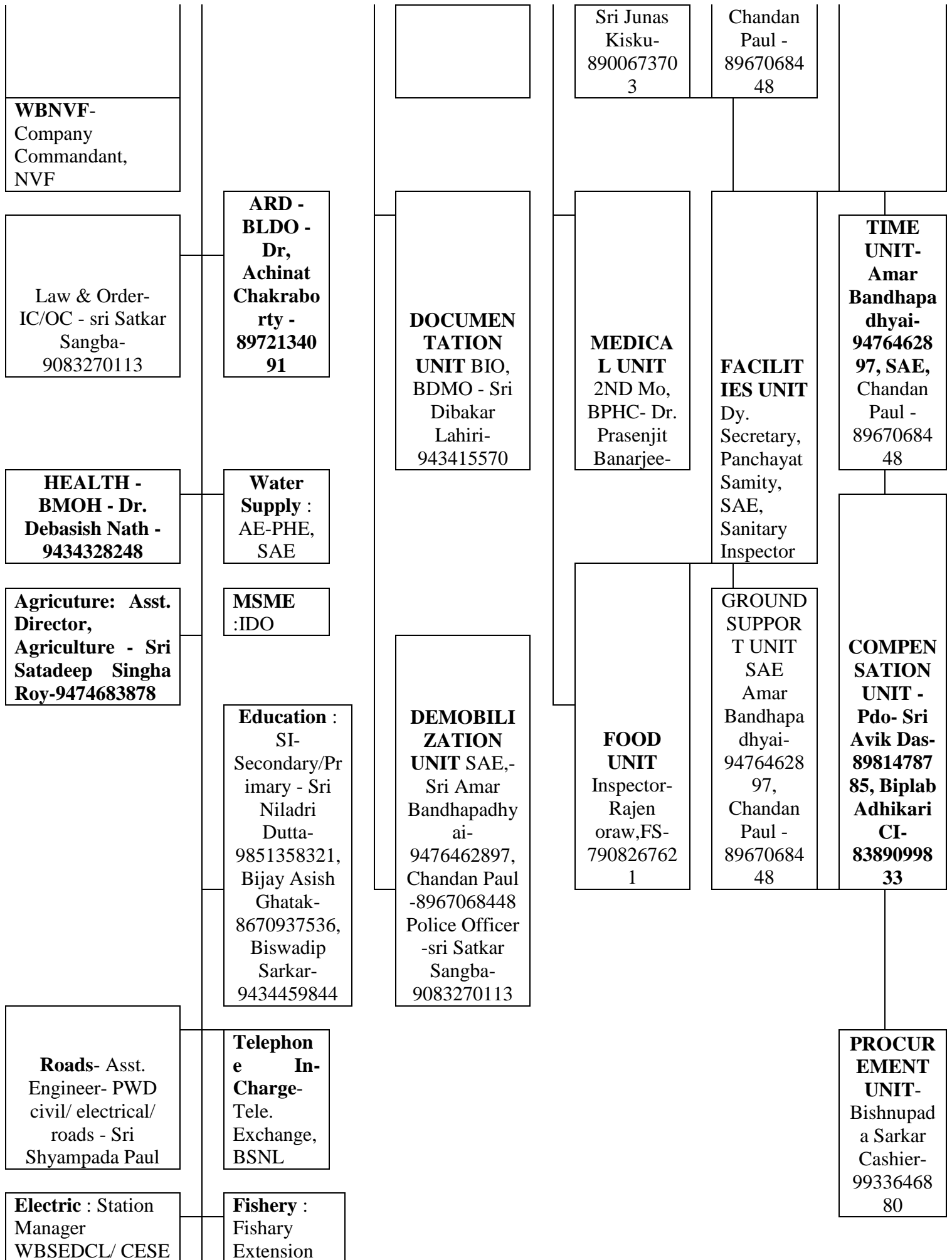
**Communic  
ation unit  
SAE-Sri  
Amar  
Bandhapad  
hyai-  
947646289  
7, Chandan  
Paul -  
896706844  
8, BDMO-**

**SUPORT  
BRANCH**

**RESOUR  
CE  
PROVISI  
ONING  
UNIT -  
SAE - Sri  
Amar  
Bandhapa  
dhyai-  
94764628  
97,**

**Finance  
&  
Adminstr  
ation**

**Finance  
Brance:  
Nilay Das  
HC.  
Panchyat  
Account-  
97323698  
03**



## HAZARD VULNERABILITY, CAPACITY & RISK ASSESSMENT (HVCRA)

### INTRODUCTION

This is the most important part of the plan. Vulnerability assessment deals with the socio- economic vulnerability, housing vulnerability and environmental vulnerability. Tapan Block is a dry of Dakshin Dinajpur Distract and is exposed to multiple hazards, which may result in disaster if they are not controlled properly. In this section, effort has been made to identify all possible hazards in the block. These hazards have been studied further in subsequent chapters to know their possible impact during any disaster. The various hazards that are possible in the Tapan Block have been broadly categorized as follows.

### **METEOROLOGICAL DISASTERS**

#### **Cyclones / Storm**

#### **Flood**

#### **Drought**

#### **Cyclones/Storms**

Cyclone is a vast violent whirl or vortex in the atmosphere following formation of an intense low-pressure area. The block falls within the cyclone (KalBuisaki) area of storms originating of local Dighi & Kharis. No major damage was reported during that period.

#### **Flood**

#### **Flood History of Tapan Block.**

Tapan Block faced several flood in the year 1987, 1988, 1995, 1997 & 2017. In those years No.1, Rampcarchehchra, No.2, Ajmatpur , No.7, Ramchandrapur & No.8, Gurail Gram panchayet were completely submerged due to over flow and breaking of bundh of the rivers Punarbhaba, Bramhani & Tangan. The water of Dwipkhanda Khari and Harbhanga Khari inundated southern part of No.6, Tapan Chandipur Gram Panchayat. Surroundings of Dwipkhanda Khari in No.9,Autina G.P. that of Kashiari Khari in No.4, Harsura and No.11, Gofanagar G.P. and Kochakana Khari in No.2, No.7 & No.8 were adversely effected. Normal life disrupted due water logging in No.5, Dwipkanda G.P. and No.3, Hazratpur G.P.

In every year No.1, Ramparachenchra, No.2, Ajmatpur, No.7, Ramchandrapur & No.8, Gurail G.P. are affected irrespective of the quantity of rain fall in the rainy season.

Table showing flood prone Mouzas,Flood shelters and Relief distribution centers under Tapan Block.



**Table showing entry point & Exit point of Rivers & Kharies**

SI No	Name of river / khari	Entry point	Exit Point
1	River Tangon	Baptoil at G.P. 1.	Suihari at G.P. 1
2	River Bramhoni	Chandrail at G.P. 1	Naogoan at G.P. 1
3	River Punarbha	Bazrapukur at G.P. 2	Laxminarayanpur at G.P.8
4	Konchakana Khari	Kadma at G.P. 3	Katroil at G.P. 8
5	Dwipkhanda Khari		Kasikuri at G.P. 9
6	Baul khari	Saranjabari at G.P. 4	----- do -----
7	Harbhanga Khari		Atila at G.P. 9
8	Kashiari Khari	Uttar Mahadevpur	Kharidanga at G.P. 11

**Structural Development.**

- a) Strengthening of embankments – West bank of the river Punarbhaba, both side of the river Tangan and Bramhoni would be required to be strengthened.
- b) All the water canals (khari) are not passing water due to heavy siltation. They are required to be desalted.
- c) The drainage system needs to be restored properly.

**Contingent Plan for the year-2019-20**

- 1. Block Area : 445.63 sq. K.M
- 2. Population : 2,48,595 (a) Male:1,27,604 (b) Female : 1,20,988
- 3. No of Mouzas : 279 (a) No of Mouzas prone to flood: 112, Area :208.24 Sq. K.M  
(b) No of Mouzas prone to draught:92, Area: 178.68 Sq. K.M
- 4. No of Gram Panchayats: 11
- 5. No of Block Primary Health Centre: 1
- 6. No of Primary Health Centers: 3
- 7. No of Subsidiary health Centers: 44
- 8. No of Primary Schools: 295(with SSK)
- 9. No of High Schools: 54(Madrasha+MSK)
- 10. No of R.L.I. Centers: 33

11. **River & Khari** that passes through Tapan Block Development Officer:

Sl No	Name of river / khari	Entry point	Exit point	Passes through
1	River Punarbhaba	Bazrapukur, G.P.2	LaxminarayanpurG. P. 8	No.1,Ramparachenchra No.7,Ramchandrapur No.8,Gurail
2	River Bramhoni	Chandrail, G.P.1	Naogoan, G.P.1	No.1,Ramparachenchra
3	River Tangan	Baptail, G.P.1	Suihari, G.P.1	No.1,Ramparachenchra
4	Khari Konchakana	Kadma, G.P.3	Katroil, G.P.8	No.2,Ajmatpur No.7,Ramchandrapur No.8,Gurail
5	Khari Harbhanga		Atila, G.P.9	No.3,Hazaratpur No.6,Tapan Chandipur No.9,Autina
6	Khari Dwipkhanda		Kashikuri	No.4,Harsura No.5,Dwipkhanda No9,Autina
7	Khari Kashiari	UttarMahadevpur,G.P.4	Kharidanga, G.P.11	No.4,Harsura No.11,Gofanagar
8	Baul khari	Saranjabari, G.P.4	Kashikuri, G.P.11	No.4, Harsura

**Flood Shelters made by Govt. aid.**

1. Magurpur Flood shelter, No.1, Ramparachenchra
2. Bazrapukur Flood shelter, No.2, Ajmatpur
3. Manaholi Flood shelter, No.2, Ajmatpur
4. Ramchnadrapur Flood shelter, No.7, Ramchandrapur
5. Kardaha Flood shelter, No.7, Ramchandrapu
6. Bakharpur High School, No.8, Gurail G.P.
7. Bakharpur F.P. School, No.8, Gurail G.P.
8. Ghatika M.S.K. No.8, Gurail G.P.

**Block Action Team:**

1. B.D.O, Tapan,
2. Jt. B.D.O, Tapan,
3. B.M.O (H), Tapan,
4. A.D.A, Tapan,
5. S.A.E (RWP)
6. B.L.D.O, Tapan,
7. S.A.E (BPC)
8. C.D.P.O, Tapan,
9. Officer-in-charge, Tapan Police Station.

**NGO/Agency Phone Number**

Sl. No.	Name of Agency	Mobile Number
1	Bolla Janakalyan Samity	9609795689/9609816076
2	Khalsi Social Welfare Organization	9635691345
3	Tapan Sukanta Mancha	9932362236/9002587687

4	Chandohati Muslim Welfare Society	9733470680
5	Tagore Society for Rural Development	7585031161
6	Chakvrigu Vidyasagar Social Welfare Society	8016835085
7	Dwipkhanda Adibashi Sangha & Library	8116049266
8	Raghunathpur Social Services and Rural Development Society	9609804006/9647850494
9	Kamarpara Rammohan Rural Development Society	7501413585
10	Adibasi Yubakalyan Sangha	8972776262

#### Identification of disaster prone G.Ps of Tapan Block:

- (i) G.P No. 1, 2, 4, 7, 8 & 9 all the flood prone area. amongst them
- (ii) G.P. No. 1, 2, 7 & 8 for over flow of river and heavy rain fall.
- (iii) G.P. No. 4, 6 & 9 only for heavy rain fall

#### Crisis Management Team

Name of Gram Panchayat	G.P level crisis management team	Telephone No.
Rampara Chenchra	1. Sri Birendra Nath Paramanik, E.A 2. Sri Pulak Kumar Sarkar, Secy. 3. Sri Aminul Islam, NS 4. Sri Debabrata Biswas, Sahayak 5. Sri Babul Islam, Sahayak, 6. Sri. Amirul Mahalat, G.P. Karmee 7. Sri Amiya Sarkar, G.P.Karmee	9800735462 8972718343 9593819903 9733114828 9733109587 9734931447 9735024165
Ajmatpur	1. Sri Narendranath Barman, EA 2. Sri Ujjal Roy, Secy. 3. Sri. Ashit Mahato, N.S. 4. Smt. Pali Ghosh, Sahayak 5. Sri Chapal Ghosh, G.P Karmee 6. Sri Apurba Sarkar, GPK	9932104633 9775431235 9800293101 9563878784 9434969509 9800487864
Hazaratpur	1. Sri Pradip Sarkar, E.A 2. Sri Harabrata Jha, Secy. 3. Sri. Sanjoy Ghosh, N.S. 4. Sri. Joy Bose, Sahayak 5. Sri Naresh Ch. Tappo, GPK	8116650449 9932094969 9933000852 8759914500 9735901886
Harsura	1. Sri Mansur Ali Sarkar, EA 2. Sri Arup Kr. Deb, Secy 3. Sri Sanjit Kr. Roy, N.S. 4. Smt. Chhaya Deb Sharma, Sahayak 5. Sri Habibur Rahaman, GPK 6. Sri Dilip Orawn GPK	9733219901 9332102705 8116226233 9474674989 9733231861 8670239076
Dwipkhanda	1. Ranjit Sarkar, E.A 2. Sri Tapan Kr. Biswas, Secy. 3. Sri. Rathin Dey, N.S. 4. Sri Achinta Paul, Sahayak 5. Sri Grindranath Singh, GPK	9775483695 9474141172 9163821206 9474072321 7031047685

Tapan Chandipur	1. Sri Swapan Kumar Kundu, E.A. 2. Sri.. Bijoy Barman, Secy. 3. Sri. Sudip Bhadra, N.S 4. Sri. Harabrata Jha, Sahayak 5. Smt. Soma Das. Sahayak 6. Sri. Dilip Mridha, GPK 7. Sri. Bhupen Roy, GPK.	9547453287 8145871085 9434247044 9531664455 9932990974 8436246820 7872455926
Ramchandrapur	1. Sri Swapan Kr. Sen, E.A 2. Sri Mintu Barman, Secy. 3. Sri. Tushar Kanti Das, N.S. 4. Sri. Jullur Rahaman, Sahayak 5. Sri. Najimuddin Sarkar, GPK 6. Sri Kakuli Ghosh, GPK 7. Sri. Renuka Majumder, GPK	9800072811 8372013787 9932748134 8906109333 9635116343 9474849694 7076928882
Gurail	1. Sri Swapan Kr. Ghosh, Secy. 2. Sri. Jayanta Bhattacharjee, N.S. 3. Sri. Birendranath Barman, Sahayak 4. Sri. Debendranath Roy, GPK 5. Sri. Nikhil Hazra, GPK	9474851651 9593749240 9733260546 9679848264 8145250963
Autina	1. Sri. Nakul ch. Singh, E.A 2. Sri. Anup Kr. Sarkar, Secy 3. Sri. Bappa Laha, N.S. 4. Sri. Bhudeb Pahan, Sahayak. 5. Smt. Sukumari Das, GPK	9933480517 9933480517 9933636421 9735901898 9734173522
Malancha	1. Sri. Rasid Alam, E.A 2. Sri. Rajat Subra saha, Secy. 3. Sri. Amitabha Sarkar, N.S., 4. Smt. Lipika Ghosh, Sahayak 5. Sri. Hanifur Rahaman, GPK 6. Sri. Hemendu Roy, GPK	8968006692 8906944414 9932482044 9734083560 9574981888 9609572655
Gofanagar	1. Sri. Mridul Kumar Ghosh, E.A 2. Sri. Atanu Sarkar, Secy. 3. Sri. Kalyan Mujumdar, N.S. 4. Sri. Arindam Dey, Sahayak, 5. Sri. Ujjwal Sarkar, Sahayak 6. Sri. Jatin Tapno, GPK	9002849433 9733270744 8348515945 8906420695 9475311107 8348027687

1. Total No. of rain recording station in the Block-Tapan
2. Location of rain recording station- It is situated at B.S.F. Tapan,
3. Telephone Numbers of the Rain Recording Station 03521252943
- 4.

Sl. No.	Name of the Block	Agriculture Land (ha.)		
		High	Medium	Low
1	Tapan	3680.85	2614.8	11042.55

(All rainfall data are in mm)

1. Total Cultivated Land – 35338.2 Ha.
2. % of irrigated Land – 62.5%
3. % of Fallow Land – 7%
4. Cropping intensity - 189.63%

5. Major Crops & Vegetables – Amon Paddy, Boro Paddy, Wheat, Mustered, Brinjals, Chili etc.

**CONTROL ROOM, Phone No. 03521 – 252213**

Sl No	Name of staff	Telephone No.
1	Sri Sushanta Kumar Maity, B.D.O	9434077107/8373069031
2	Smt.Bandana Serpa, Jt. B.D.O	9064324072
3	Sri Avik Das, PDO.	8981478785
4	Sri Sumit Mondal, FEO	8913091299
5	Sri, Sourav Kumar Mondal IMW	7603091486
6	Sri. Dibakar Lahiri, BIO	9434155070
7	Sri. Junas Kisku, SEO.	8900673703
8	Sri. Bhagwan Dutt Thakur , H.C	9932204657
9	Sri Bishnupada Sarkar, Cashier	9933646880
10	Sri Sefarul Islam (PS Cashier )	9614205412
11	Sri Gopesh Ch. Mahato, LDC.	9735036233
12	Sri Nabanu Barman, Night Guard	9775858463

**CONTROL ROOM (BMOH)**

Sl No	Name of staff	Telephone No.
1	Dr. Debesh Nath, BMOH	9434328248
2	Dulali Saha, BPHN	9474738035
3	Durgesh Pramanik, B.S.I	9932129161
4	Ankita Das, Sen. PHN	9748603936

**RESCUE / MONITORING SQUAD FOR DIFFENENT G.P FLOOD – 2019-20**

Name of Gram Panchayat	G.P level crisis management team	Telephone No.
Rampara Chenchra	1. Sri Birendra Nath Paramanik, E.A	9800735462

	2. Sri Pulak Kumar Sarkar, Secy. 3. Sri Aminul Islam, NS 4. Sri Debabrata Biswas, Sahayak 5. Sri Babul Islam, Sahayak, 6. Sri. Amirul Mahalat, G.P. Karmee 7. Sri Amiya Sarkar, G.P.Karmee	8972718343 9593819903 9733114828 9733109587 9734931447 9735024165
Ajmatpur	1. Sri Narendranath Barman, EA 2. Sri Ujjal Roy, Secy. 3. Sri. Ashit Mahato, N.S. 4.Smt. Pali Ghosh, Sahayak 5.Sri Chapal Ghosh, G.P Karmee 6. Sri Apurba Sarkar, GPK	9932104633 9775431235 7278810771 9563878784 9434969509 9800487864
Hazaratpur	1. Sri Pradip Sarkar, E.A 2. Sri Harabrata Jha, Secy. 3. Sri. Sanjoy Ghosh, N.S. 4.Sri. Joy Bose, Sahayak 5.Sri Naresh Ch. Tappo, GPK	8116650449 9932094969 9933000852 8759914500 9735901886
Harsura	1. Sri Mansur Ali Sarkar, EA 2. Sri Arup Kr. Deb, Secy 3. Sri Sanjit Kr. Roy, N.S. 4. Smt. Chhaya Deb Sharma, Sahayak 5. Sri Habibur Rahaman, GPK 6. Sri Dilip Orawn GPK	9733219901 9332102705 8116226233 9474674989 9733231861 8670239076
Dwipkhanda	1. Ranjit sarkar, E.A 2. Sri Tapan Kr. Biswas, Secy. 3. Sri. Rathin Dey, N.S. 4. Sri Achinta Paul, Sahayak 5. Sri Grindranath Singh, GPK	9851447322 9474141172 9163821206 9474072321 7031047685
Tapan Chandipur	1. Sri Swapan Kumar Kundu, E.A.	9547453287

	2. Sri.. Bijoy Barman, Secy. 3. Sri. Sudip Bhadra, N.S 4. Sri. Harabrata Jha, Sahayak 5. Smt. Soma Das. Sahayak 6. Sri. Dilip Mridha, GPK 7. Sri. Bhupen Roy, GPK.	8145871085 9434247044 9531664455 9932990974 8436246820 7872455926
Ramchandrapur	1. Sri Swapan Kr. Sen, E.A 2. Sri Mintu Barman, Secy. 3. Sri. Tushar Kanti Das, N.S. 4. Sri. Jullur Rahaman, Sahayak 5. Sri. Najimuddin Sarkar, GPK 6. Sri Kakuli Ghosh, GPK 7. Sri. Renuka Majumder, GPK	9800072811 8372013787 9932748134 8906109333 9635116343 9474849694 7076928882
Gurail	1. Sri. Budhrai Hasda, EA 2. Sri Swapan Kr. Ghosh, Secy. 3. Sri. Jayanta Bhattacharjee, N.S. 4. Sri. Birendranath Barman, Sahayak 5. Sri. Debendranath Roy, GPK 7. Sri. Nikhil Hazra, GPK	9775893277 9474851651 9593749240 9733260546 9679848264 8145250963
Autina	1. Sri. Nakul ch. Singh, E.A 2. Sri. Anup Kr. Sarkar, Secy 3. Sri. Bappa Laha, N.S. 4. Sri. Bhudeb Pahan, Sahayak. 5. Smt. Sukumari Das, GPK	9933480517 9933480517 9933636421 9735901898 9734173522
Malancha	1. Sri. Rasid Alam, E.A 2. Sri. Rajat Subra saha, Secy. 3. Sri. Amitabha Sarkar, N.S., 4. Smt. Lipika Ghosh, Sahayak 5. Sri. Hanifur Rahaman, GPK	8968006692 8906944414 9932482044 9734083560 9574981888

	6. Sri. Hemendu Roy, GPK	9609572655
Gofanagar	1. Sri. Mridul Kumar Ghosh, E.A 2. Sri. Atanu Sarkar, Secy. 3. Sri. Kalyan Mujumdar,N.S. 4. Sri. Arindam Dey, Sahayak, 5. Sri. Ujjwal Sarkar, Sahayak 6. Sri. Jatin Tapno, GPK	9002849433 9733270744 8348515945 8906420695 9475311107 8348027687

**List of Country Boat Owners**

Sl.No.	G.P.No.	Name	Father's Name	Address	Contact No.
1	1	Taralal Chowdhury	Late Jawharlal Chowdhury	Magurpur	7031882005
2	1	Pradip Chowdhury	Late Narasingha Chowdhury	Naogaon East	9932176180
3	1	Ajijur Rahaman	Khosh Mahammad	Khoshalpur	9775861999
4	1	Ratan Ram	Ramjit Roy	Sutail	9733190302
5	1	Swapan Roy	Bhupen Roy	Khoshalpur	9593940984
6	1	Mainur Rahaman	Ajijur Rahaman	Khoshalpur	9775861999
7	1	Budhurai Choudhury	Banayari Choudhury	Kharipara	
8	2	Suresh Paul		Bazrapukur	7031755626
9	2	Dulal Paul		Bazrapukur	
10	2	Bhairab Paul		Bazrapukur	
11	2	Prajat Paul		Bazrapukur	
12	8	Jhantu Das		Nababnagar	
13	8	Sital Das		Nababnagar	
14	8	Sunil Das		Nababnagar	
15	8	Radha Das		Nababnagar	
16	8	Gopal Das		Nababnagar	
17	8	Madhu Das		Nababnagar	



### EVACUATION PLAN OF TAPAN BLOCK

Name of block	Name of police station	Name of Gram Panchayat	Name of village	Name of temporary rescue shelter	Location of the same	Accommodation capacity of the shelter	Name of the para/lane from where people will come here	Shortest route to be used by the concerned villagers
TAPAN	Tapan	Rampara Chenchra	Khosalpur	Khosalpur FP School	Khosalpur	250	Khosalpur	In the same village
			Muktarampur	Muktarampur FP School	Muktarampur	250	Muktarampur	In the same village
			Chandrail	Chandrail FP School	Chandrail	250	Chandrail	In the same village
			Nimtair, Vimtair	Magurpur High School	Magurpur	120	Nimtair	Nimtair, Vimtair to Magurpur High School by road
			Sutail	Sutail FP School	Sutail	250	Sutail	Sutail to Sutail F.P.School in the same village
			Ganahar	Ganahar SSK Building	Ganahar	100	Ganahar	In the same village
			Kasba Batoir	Kasba Batoir SSK Building	Kasba Batoir	100	Kasba Batoir	In the same village
			Mandapara	Mandapara SSK & FPS	Mandapara	400	Mandapara	In the same village
			Naogoan	Naogoan FP School	Naogoan	300	Naogoan	.In the same village
			Baptail	Baptail FP School	Baptail	200	Baptail	In the same village
			Jormoil	Jormoil FP School	Jormoil	250	Jormoil	In the same village
			Magurpur, Aihara	Magurpur Flood Shelter	Magurpur	130	Magurpur	In the same village .Aihara to flood shelter-1 Km. by road

			Singhari	Singhari SSK Building	Singhari	100	Singhari	In the same village
			Guldanga	Guldanga SSK Building	Guldanga	100	Guldanga	In the same village
			Laxmipur	Laxipur FP School	Laxipur	300	Laxipur	Laxmipur to Laxmipur F.P.S in the same village
			Jadupur	Jadupur FP School	Jadupur	300	Jadupur	Jadupur to Jadupur F.P.S. in the same village
			Rampara Chechara	Rampara Chechara	Rampara Chechara	300	Rampara Chechara	Rampara Chenchra F.P.School in the same village
		Ajmatpur	Basuria	Basuria AEC SSK & FP School	Basuria	800	Basuria	In the same village-0-distance
		Ajmatpur	Gupinathpur	Gupinathpur SSK Building	Gupinathpur	100	Gupinathpur	In the same village-0-distance
		Ajmatpur	Bajrapukur, Palimahadevpur, Karanjara	Bajrapukur Flood Shelter	Bajrapukur	900	Bajrapukur	In the same village-o-distance & Polimahadevpur to Bajrapukur-1 KM.Karanjara to Bajrapukur-
		Ajmatpur	Anatoir	SSK Building	Anatoir	400	Anatoir	In the same village
		Ajmatpur	Paboil	Paboil F.P.School	Paboil	300	Paboil	In the same village 0 distance
		Ajmatpur	Umanandapur	SSK Building	Umanandapur	100	Umanandapur	In the same village 0 distance
<u>TAPAN</u>	<u>Tapan</u>	Ajmatpur	Akhanagar	Akhanagar F.P.School	Akhanagar	250	Akhanagar	In the same village 0 distance
			Saralbati	Bajrapukur Flood	Saralbati	452	Saralbati	Saralbati to Bajrapukur

		Shelter				flood shelter-1K.M.
	Chakh Hossain	Bajrapukur Flood Shelter	Chakh Hossain	227	Chakh Hossain	Chakh Hossain to Bajrapukur flood shelter-1K.M.
	Chakbahera		Chakbahera	140	Chakbahera	Chakbahera to Flood Shelter
	Dakhlain	Dakhlain F.P.School	Dakhlain	250	Dakhlain	In the same village 0 distance
	Dautpur	Dautpur F.P.S.	Dautpur	250	Dautpur	In the same village 0 distance
	Monoholi	Monoholi Flood Shelter	Monoholi	400	Monoholi	In the same village 0 distance
3 No. Hajratpur	Kadma Kadoyajagadishbati	Kadma Jr.H.S. & F.P.S	Kadma Kadoyajagadishbati	325	Kadma Kadoyajagadishbati	In the same village Kadoyajagadish Bati to flood Shelter-1 k.m.
	Chakbaliram	Chakbaliram Jr. Basic	Chakbaliram	550	Chakbaliram	In the same village 0 distance
	Salsoma	School & Jr.High School	Salsoma	550	Salsoma	Salsoma to flood shelter-1 K.M.
	Hazratpur	Hazratpur SSK With F.P.S.	Hazratpur	400	Hazratpur	In the same village 0 distance
4.Harsura	Harsura	Rampur F.P.S.	Harsura	300	Harsura	In the same village 0 distance
	Bandighi Srirampur	Rampur H.S.	Bandighi Srirampur	300	Bandighi Srirampur	Bandighi & Srirampur to Rampur HS
	Dhulchandriya	Rampur SSK	Rampur	100	Dhulchandriya	Dhulchandriya to Rampur SSK
	U/Mahadevpur	U/Mahadevpur F.P.S,	U/Mahadevpur	300	U/Mahadevpur	In the same village
	Saramjabari	Saramjabari Jr. Basic School	Saramjabari	300	Saramjabari	In the same village

			Parbatipur	Parbatipur F.P.School	Parbatipur	300	Parbatipur	In the same village
TAPAN	Tapan	5 No. Dwip khanda	Boyalikhetra Shibrampur	Daralhat High School & SSK & F.P.S.	Daralhat Shibrampur	335 0	Boyalikhetra Shibrampur	Boyalikhetra to Daralhat HS & SSK Shibrampur to Daralhat FPS
			Jidhra	Jidhra F.P.S	Jidhra	250	Jidhra	In the same village 0 distance
			Kistapur	Kistapur F.P.S	Kistapur	200	Kistapur	In the same village 0 distance
			Chakprabhuram	Daralhat H.S.	Chakprabhuram		Chakprabhuram	Chakprabhuram To Daralhat HS
			Sarifabad Sundarpur	Sarifabad F.P.S & Jr.H.S	Sarifabad Sundarpur	550	Sarifabad Sundarpur	In the same village Sundarpur to Sarifabad H.S.
		6 No. Tapan Chandipur	Holidana	Holidana H.S. & F.P.S	Holidana	525 0	Holidana	In the same village 0 distance
			Telighata	Telighata	Telighata	250	Telighata	In the same village 0 distance
			Jamalpur	Amalpur F.P.S	Jamalpur	250	Jamalpur	In the same village 0 distance
			Moha	Moha F.P.S.	Moha	300	Moha	In the same village 0 distance
			Jamalgachi	Jamalgachi SSK	Jamalgachi	100	Jamalgachi	In the same village 0 distance
			Jamlabad	Jamlabad F.P.S	Jamlabad	250	Jamlabad	In the same village 0 distance
		7. No. Ram Chandra - Pur	Sukdebpur	Sukdebpur F.P.S, & SSK	Sukdebpur	400	Sukdebpur	In the same village 0 distance
			Katabari	Katabari F.P.S	Katabari	205	Katabari	In the same village 0 distance
			Kardaha	Kardaha H.S.	Kardaha	300 0	Kardaha	In the same village 0 distance

			Ganguria	Ganguria F.P.S	Ganguria	300	Ganguria	In the same village distance 0
			Sikarpur	Sikarpur F.P.S.	Sikarpur	250	Sikarpur	In the same village distance 0
			Jamalpur	Jamalpur F.P.S.	Jamalpur	250	Jamalpur	In the same village distance 0
			Vikahar	Vikahar Hatkhola	Vikahar	400 0	Vikahar	In the same village distance 0
			Nazirpur	Nazirpur F.P.S.	Nazirpur	300	Nazirpur	In the same village distance 0
			Ramchandrapur	Ramchandra Pur flood shelter & H.S.	Ramchandrapur	500 0	Ramchandrapur	In the same village distance
	8 No. Gurail		Katroil	Katroil F.P.S.	Katroil	300	Katroil	In the same village distance 0
			Khatul	Vior H.S	Khatul		Khatul	Khatul to Vior HS
			Shyampur	Shyampur F.P.S.	Shyampur	250	Shyampur	In the same village distance 0
			Nababnagar	Nababnagar F.P.S. & SSK	Nababnagar	400	Nababnagar	In the same village distance 0
			Lakshminarayanpur	Lakshminarayanpur	Lakshminarayanpur	300	Lakshminarayanpur	In the same village distance 0
			Basakbari	Vior H.S.	Basakbari	400 0	Basakbari	Basakbari to Vior H.S.-1/2 k.m.
			Chhatrahati	Vior SSK & F.P.S.	Chhatrahati	350	Chhatrahati	In the same village distance 0
			Gurail		Gurail	350	Gurail	Gurail to Vior SSK
			Ghatika	Ghatika MSK	Ghatika	100	Ghatika	In the same village distance 0

			Beruil	Beruil F.P.S	Beruil		Beruil	In the same village 0 distance
			Bakharpur	Bakharpur H.S.	Bakharpu r	400 0	Bakharpur	In the same village 0 distance
			Basuria	Basuria F.P.School	Basuria	300	Basuria	In the same village 0 distance
			Sishrail	Sishrail SSK	Sishrail	100	Sishrail	In the same village 0 distance
			Soair	Soair F.P.S	Soair	400	Soair	In the samevillage
			Jobsa	Jobsa F.P.S	Jobsa	250	Jobsa	In the same village 0 distance
TAPAN	Tapan	9. Autina	Khalsi	Khalsi F.P.S.	Khalsi	250	Khalsi	In the same village 0 distance
			Kamdebba ti	Kamdebba ti F.P.S.	Kamdebb ati	250	Kamdebbat i	In the same village 0 distance
			Nimgachh i	Nimgachh i F.P.S. & SSK	Nimgach hi	350	Nimgachhi	In the same village 0 distance
			Saldanga	Saldanga SSK	Saldanga	100	Saldanga	In the same village 0 distance
			Atila	Tilon H.S.	Atila	400 0	Atila	Atila to Tilon HS
			Bishnupur	Bishnupur F.P.S.	Bishnupu r	300	Bishnupur	In the same village 0 distance
			Erenda	Erenda F.P.S	Erenda	300	Erenda	In the same village 0 distance
			Gorenda	Lasrarhat H.S.	Gorenda	300 0	Gorenda	Gorenda to Laskar flood shelter-1 k.m.
			Kakna	Kakna F.P.S. & Jr. H.S.	Kakna	325 0	Kakna	In the same village 0 distance
			Nimpur	Nimpur F.P.S.	Nimpur	300	Nimpur	In the same village 0 distance

			Ahera	Laskarhat H.S	Ahera	300	Ahera	Ahera to Laskarhat-1 k.m.
	10 Malancha		D.Jajiyar	D.Jajiar F.P.S,	D.Jajiyar	250	D.Jajiyar	In the same village distance 0
			Haribanshipur	F.P.S,Hariban Shipur	Haribanshipur	300	Haribanshipur	In the same village distance 0
			Sreebai	F.P.S, Sreebai	Sreebai	250	Sreebai	In the same village distance 0
			Tarajpur	F.P.S.& SSK Tarajpur	Tarajpur	300	Tarajpur	In the same village distance 0
			Varila	Varila Training Centre,F.P.S.& Varila Jr.H.S.	Varila	4800	Varila	In the same village distance 0
			Jadubati	Chantakuri F.P.S.	Chamtakuri	300	Jadubati	Jadubati to Chamtakuri FPS
			Nighati	F.P.S,Nighati	Nighati	300	Nighati	In the same village distance 0
			Madanpur	F.P.S, Madan Pur	Madanpur	300	Madanpur	In the same village distance 0
TAPAN	11 Gofanagar		Sathihar	F.P.S. & SSK Sathihar	Sathihar	400	Sathihar	In the same village distance 0
			Chaksathihar	SSK Chaksathihar	Chaksathihar	100	Chaksathihar	In the same village distance 0
			Chhanibasudebpur	Banial H.S.	Chhanibasudebpur		Chhanibasudebpur	Banial H.S. to Chhanibasudebpur
			Gofanagar	Gofanagar F.P.S.	Gofanagar	200	Gofanagar	In the same village distance 0
			Sulpanipur	F.P.S,Sulpani Pur	Sulpanipur	250	Sulpanipur	In the same village distance 0
	<u>Tapan</u>							

			Kharaidan ga	SSK Kharai Danga	Kharaida nga	100	Kharaidang a	In the same village 0 distance
			Kashmulia	F.P.S,Kha smu Lia	Kashmuli a	200	Kashmulia	In the same village 0 distance
			Chakbalar am	Banial F.P.S. & Banial H.S.	Banial	420 0	Chakbalara m	Chakbalaram to Banial FPS & HS
			Hashnagar	F.P.S,Has hna Gar	Hashnaga r	200	Hashnagar	In the same village 0 distance
			Pothai	SSK,Potha i	Pothai	100	Pothai	In the same village 0 distance
			Gobindap ur	F.P.S,Gob inda Pur	Gobindap ur	200	Gobindapu r	In the same village 0 distance
			Hasaipur	SSK,Hasa ipur	Hasaipur	100	Hasaipur	In the same village 0 distance
			Muradpur	SSk Muradpur	Muradpu r	100	Muradpur	In the same village 0 distance

Multi Hazard Disaster Management Plan for the year 2019 Along with flood contingency plan

Introduction

Multi Hazard Disaster Management Plan for the year 2018 under Tapan Development Block

Name of the Block Disaster Management Committee

Sl.No.	Name	Designation	Address	Contact Number		
				Office	Residence	Mobile
1.	Sri. Raju Das (Savapati, Tapan Panchayet Samiti)	Chairperson	Tapan Panchayat Samity	03521- 252262		9800323817



2.	Sri Sushanta Kumar Maity B.D.O., Tapan Development Block	Secretary	Tapan Block Development Office.	03521-252213		9434077107/ 8373069031
4.	Sri Satyadwip Singha Roy, A.D.A, Tapan.	Member	Tapan Agriculture Development Office	03521-252943		8250088223
5.	Sri Debesh Nath, B.M.O.H, Tapan BPHC.	Member	Tapan BPHC	03521-252083		9434328248
6.	Sri Satkar Syongbo, O/C, Tapan P.S.	Member	Tapan Police Station	03521-252229		9593444062
7.	Smt Bilkish Sarkar Karmadhyaksha, Tran S/Samity, Tapan	Member	Tapan Panchayat Samity	03521-252262		9733453487
8.(i)	Sri Ansar Ali, Prodhan	Member	Rampara Chenchra G.P.			9679031188
8.(ii)	Sri Nripen Murmu, Prodhan	Member	Ajmatpur G.P.			9593768821
8.(iii)	Rabbina Bibi, Prodhan	Member	Hazratpur G.P.			9564955331
8.(iv)	Sri Rabi Kujur, Prodhan	Member	Harsura G.P.			9002932129
8.(v)	Smt. Rumi Barman, Prodhan	Member	Dwipkhanda G.P.			8768083196
8.(vi)	Smt. Basanti Barman, Prodhan	Member	Tapan Chandipur G.P.	03521-252204		9609477342
8.(vii)	Sri Shephali Roy, Prodhan	Member	Ramchandrapur G.P.	03521-253276		8695764465

8.(viii)	Farida Khatun Bibi, Prodhan	Member	Gurail G.P.			9735976050
8.(ix)	Paramananda Biswas, Prodhan	Member	Autina G.P.			8906642220
8.(x)	Krishna Barman, Prodhan	Member	Malancha G.P.			9733450970
8.(xi)	Sri Suresh Ch. Barman, Prodhan	Member	Gofanagar G.P.			9932041013
9. (a)	Sri Bachchu Hansda, MLA- 40-Tapan (ST) AC	Member	Karai Chenchra, PO-Chenchra, PS-Tapan, Dist. D/Dinajpur.			9733106451
9.(b)	Sri Goutam Das, 41-Gangarampur (SC) A.C.	Member	Rampara Chenchara, PO- Magurpur, Tappan, D. Dinajpur.			9734041925
10.(a)	Sri All Block Level Officer of Line Deptt.	Member	Tapan BL&LRO Office			
10.(b)	Sri Debasish Ghosh, BLDO	Member	Tapan BLDO Office			9434542348
10.(c)	Sri Sayan Mandal CDPO	Member	Tapan ICDS Office			8902789343
10.(d)		Member	Tapan Forest Range Office			
10.(e)	Sri Bijay Ashis Ghatak, Tapan Sadar Circle	Member	Tapan SI Office			8670937536

**A) Plan to combat storm**

All the villages under Tapan Development Block is vulnerable to storm. There are 279 nos. villages under 11 nos. of G.P.s having 248595 nos. population of this block. The most vulnerable villages are identified and particulars are given below.

Sl.No	Name of most vulnerable villages	Name of G.P.	Population	Nearest Rescue Centre with <u>contact no.</u>	Distance from village to R/Centre	Name of nearest Hospital with <u>contact no.</u>	Distance from the village to Hospital
1.	Baptail	Rampara Chenchra	1590	Baptail F.P.School, C.No.	0 KM	Rampara Chenchra PHC, C.No. 9434968775	3 KM
2.	Muktarampur		2401	Muktarampur F.P.School, C.No.	0 KM		2 KM
3.	Chandrail		1146	Chandrail F.P.School, C.No.	0 KM		2.5 KM
4.	Nimtair		224	Magurpur RCA High School, C.No.	1 KM		3.5 KM
5.	Sutail		1335	Sutail F.P. School, C.No.	0 KM		4 KM
6.	Mandapara		3526	Mandapara SSK with F.P. School, C.No.	0 KM		4 KM
7.	Naogaon		4907	Naogaon F.P. School, C. No.	0 KM		4.5 KM
8.	Basuriya	Ajmatpur	3348	Basuriya SSK with F.P.School, C.No	0 KM	Monoholi PHC, C.No. 9434220285	1.5 KM
9.	Gopinathpur		668	Gopinathpur SSK, C.No	0 KM		2 KM

10.	Akhanagar		886	Akhanagar F.P.School, C.No	0 KM		1 KM
11.	Saralhati		449	Bazrapukur Flood Shelter, C.No	1 KM		4 KM
12.	Chakhossen		259	Bazrapukur Flood Shelter, C.No	1 KM		3 KM
13.	Chakbahera		129	Bazrapukur Flood Shelter, C.No	2 KM		2 KM
14.	Kadoya jagadishbati	Hazratpur	1185	Kadoya Jagadishbati F.P.School, C.No	0 KM	Tapan BPHC, C No. 03521- 252083	3 KM
15.	Chakbaliram		1664	Chakbaliram Jr. Basic School, C.No	0 KM		2.5 KM
16.	Salsoma		2122	Chakbaliram Jr. Basic School, C.No	1 KM		3 KM
17.	Parbatipur	Harsura	835	Parbatipur F.P.School, C.No.	0 KM	Tapan BPHC, C No. 03521- 252083	9 KM
18.	Srirampur		784	Rampur High School, C.No.	1 KM		8 KM

19.	Dhulchandriya		541	Rampur SSK, C.No.	2 KM		8.5 KM
20.	Jamalgachhi	Dwipkhanda	383	Jamalgachhi F.P.School, C.No.	0 KM	Tapan BPHC, C No. 03521-252083	6.5 KM
21.	Telighata Bhabanipur		770	Telighata Bhabanipur F.P.School, C.No.	0 KM		9 KM
22.	Fatepur		1232	Fatepur F.P.School, C.No.	0 KM		7 KM
23.	Halidana	Tapan Chandipur	888	Halidana H.S.School, C.No.	0 KM	Tapan BPHC, C No. 03521-252083	5 KM
24.	Moha		420	Moha F.P. School, C.No.	0 KM		6 KM
25.	Jamalpur		1157	Jamalpur F.P.School, C.No.	0 KM		6 KM
26.	Sukdevpur	Ramchandra-pur	3562	Sukdevpur F.P.School, C.No.	0 KM	Tapan BPHC, C No. 03521-252083	7 KM
27.	Sikarpur		358	Shikarpur F.P.School, C.No.	0 KM		7 KM
28.	Najirpur		823	Nazirpur F.P.School, C.No.	0 KM		6.5 KM
29.	Laxmi-narayanpur	Gurail	1595	Laxmi-narayanpur	0 KM	Tapan BPHC, C	10 KM

				F.P.School, C.No.		No. 03521- 252083	
30.	Chhatrahati		807	Chhatrahati SSK & F.P.School, C.No.	0 KM		7 KM
31.	Soair		821	Soair F.P.School, C.No.	0 KM		6 KM
32.	Erenda	Autina	777	Erenda F.P.School, C.No.	0 KM	Balapur PHC, C.No. 943479011 7	9 KM
33.	Kakna		1090	Kakna F.P.School, C.No.	0 KM		7 KM
34.	Ahera		317	Ahera F.P.School, C.No.	0 KM		8.5 KM
35.	D. Jajiyar	Malancha	363	Jajiyar F.P.School, C.No.	0 KM	Balapur PHC, C.No. 943479011 7	5 KM
36.	Haribanshipur		900	Haribanshipu r F.P.School, C.No.	0 KM		6 KM
37.	Sreebai		691	Sreebai F.P.School, C.No.	0 KM		5 KM
38.	Kashmulai	Gofanagar	685	Kashmulai F.P.School, C.No.	0 KM	Balapur PHC, C.No. 943479011	6 KM

						7	
39.	Chakbalaram		1183	Chakbalaram F.P.School, C.No.	0 KM		7 KM
40.	Sulpanipur		156	Sulpanipur F.P.School, C.No.	0 KM		6 KM

### B) Plan to combat Earthquake

All the villages under Tapan Development Block is vulnerable to earthquake. There are 279 nos. villages under 11 nos. G.P.s having 248595 nos. population of this block. The most vulnerable villages are identified and particulars are given below.

Sl.No.	Name of most vulnerable villages	Name of G.P.	Population	Nearest Rescue Centre with <u>contact no.</u>	Distance from village to Rescue Centre	Name of nearest Hospital with <u>contact no.</u>	Distance from the village to Hospital
1	Magurpur	Rampara Chenchra	1767	RCA Magurpur High School	0 KM	Rampara Chenchra PHC, C.No. 9434968775	4 KM
2	Mukta-rampur		2401	Muktarampur F.P.School	0 KM		5 KM
3	Rampara Chenchra		1376	Rampara Chenchra F.P.School	0 KM		1 KM
4	Mandapara		3526	Mandapara F.P. School	0 KM		4 KM
5	Basuriya	Ajmatpur	3348	Basuriya F.P. School	0 KM	Monoholi PHC, C.No. 9434220285	2 KM
6	Bazrapukur		8537	Bazrapukur F.P.School, Flood Shelter	0 KM		4 KM
7	Anatoir		740	Anatoir F.P. School	0 KM		5 KM

8	Deogaon		1338	Deogaon F.P.School	0 KM		4 KM
9	Kadma	Hazratpur	2522	Kadma F.P.School	0 KM	Tapan BPHC, C No. 03521- 252083	5 KM
10	Salash		4124	Salash Fish Seed Firm & F.P.School	0 KM		1 KM
11	Chakbaliram		1664	Chakbaliram Jr. Basic School	0 KM		4 KM
12	Khiratta		1387	Khiratta F.P.School	0 KM		3 KM
13	Baghoit		841	Baghoit F.P.School	0 KM		2 KM
14	Minapara	Harsura	686	Minapara F.P.School	0 KM	Tapan BPHC, C No. 03521- 252083	10 KM
15	Uttar Mahadevpur		1051	Uttar Mahadevpur F.P.School	0 KM		11 KM
16	Rampur		1526	Rampur High School	0 KM		13 KM
17	Malahar		1300	Malahar F.P.School	0 KM		10 KM
18	Harsura		2240	Rampur High School	1 KM		11 KM
19	Durgapur	Dwipkhanda	714	Durgapur F.P.School	0 KM	Tapan BPHC, C No. 03521- 252083	7 KM
20	Majhikhanda		692	Majhikhanda F.P.School	0 KM		6 KM
21	Dwipkhanda		1432	Dwipkhanda F.P.School	0 KM		4 KM
22	Jaminishchinta		2248	Daralhat High School	1 KM		8 KM
23	Bajitpur	Tapan	981	Tapan High	2 KM	Tapan	3 KM



		Chandipur		School		BPHC, C No. 03521- 252083	
24	Tapan		2796	Tapan High School	0 KM		2 KM
25	Kasba		2065	Tapan High School	1 KM		2 KM
26	Halidana		888	Halidana High School	0 KM		5 KM
27	Kazibhag		1521	Kazibhag F.P.School	0 KM		0 KM
28	Kardaha	Ramchandra- pur	3570	Kardaha High School	0KM	Tapan BPHC, C No. 03521- 252083	10KM
29	Mahindar		842	Mahindar F.P. School	0KM		11KM
30	Ramchandra- pur		4540	Ramchandra- pur Flood Shelter	0 KM		8 KM
31	Bhikahar		3072	Bhikahar Hatkhola	0 KM		12 KM
32	Bhair	Gurail	3719	Bhair Jalaliya High School	0 KM	Tapan BPHC, C No. 03521- 252083	13 KM
33	Bhadrail		1048	Bhadrail F.P.School	0 KM		15 KM
34	Gurail		1904	Gurail F.P.School	0 KM		14 KM
35	Bakharpur		784	Bakharpur H.S.School	0 KM		20 KM
36	Bishnupur	Autina	2426	Bishnupur F.P.School	0 KM	Balapur PHC, C.No. 9434790117	6 KM
37.	Paschim Nimpur		454	Paschim Nimpur F.P.School	0 KM		4 KM
38.	Kakna		1090	Kakna F.P.School	0 KM		8 KM
39.	Khalshi		1842	Khalshi F.P.School	0 KM		7 KM

40.	Arjunpur		850	Arjunpur F.P.School	0 KM		6 KM
41.	Patkola	Malancha	2187	Patkola F.P.School	0 KM	Balapur PHC, C.No. 9434790117	3 KM
42	Balapur		1427	Balapur F.P.School	0 KM		0 KM
43	Purba Nimpur		1076	Purba Nimpur F.P.School	0 KM		1 KM
44	Bharila		494	Bharila F.P.School	0 KM		2 KM
45	Sankoir	Gofanagar	945	Sankoir High School	0 KM	Balapur PHC, C.No. 9434790117	5 KM
46	Gobindapur		403	Gobindapur F.P.School	0 KM		7 KM
47	Gofanagar		651	Gofanagar F.P.School	0 KM		8 KM

### C) Plan to combat Fire Accident

All the villages under Tapan Development Block is vulnerable to Fire Accident. There are 279 nos. villages under 11 nos G.P.s having 248595 nos. population of this block. The most vulnerable villages are identified and particulars are given below.

Sl.No.	Name of most vulnerable villages	Name of G.P.	Population	Nearest Fire Station with <u>contact no.</u>	Distance from village to Fire Centre	Name of nearest Hospital with <u>contact no.</u>	Distance from the village to Hospital
1	Sinhari	Rampara Chenchra	573	Ganga- rampur, C.No.	12 KM	Rampara Chenchra PHC, C.No. 9434968775	3 KM
2	Mollazi		540		11 KM		4 KM
3	Khosalpur		1177		14 KM		5 KM
4	Ganahar		1609		10 KM		6 KM

5	Naogaon		4907		16 KM		5 KM
6	Chak-hossen	Ajmatpur	259	Gangarampur, C.No.	9 KM	Monoholi PHC, C.No. 9434220285	4 KM
7	Karanjara		522		7 KM		3 KM
8	Paboil		363		8 KM		2 KM
9	Anta-shimul		1370		6 KM		5 KM
10	Deogaon		1338		10 KM		4 KM
11	Salsama	Hazratpur	2122	Gangarampur, C.No.	5 KM	Tapan BPHC, C No. 03521- 252083	4 KM
12	Faradpur		172		6 KM		5 KM
13	Jaminipara		370		7 KM		6 KM
14	Kadoya Jagadishbati		1185		7 KM		7 KM
15	Nischinta	Harsura	699	Gangarampur, C.No.	10 KM	Tapan BPHC, C No. 03521- 252083	8 KM
16	Srirampur		784		12 KM		9 KM
17	Jabrahal		249		11 KM		7 KM
18	Sirahal		849		11 KM		7 KM
19	Mahanaj		748		8 KM		8 KM
20	Zaziar	Dwipkhanda	823	Gangarampur, C.No.	15 KM	Tapan BPHC, C No. 03521- 252083	8 KM
21	Khodmalsa		230		14 KM		6 KM
22	Panjara		459		16 KM		7 KM
23	Chak-maniram		41		12 KM		6 KM
24	Chhiraikuri		526		13 KM		7 KM
25	Dinagar	Tapan Chandipur	771	Gangarampur, C.No.	13 KM	Tapan BPHC, C No. 03521- 252083	5 KM
26	Moha		420		12 KM		4 KM
27	Sehas		231		11 KM		5 KM
28	Jamlabad		1628		15 KM		4 KM

29	Sikarpur	Ramchandra- pur	358	Ganga- rampur, C.No.	20 KM	Tapan BPHC, C No. 03521- 252083	10 KM
30	Nazirpur		823		17 KM		11 KM
31	Chandipur		702		18 KM		9 KM
32	Ganguria		631		16 KM		12 KM
33	Hazrabari		654		20 KM		11 KM
34	Aichanda	Gurail	719	Ganga- rampur, C.No.	24 KM	Tapan BPHC, C No. 03521- 252083	15 KM
35	Beruli		434		25 KM		20 KM
36	Basakbari		615		26 KM		19 KM
37.	Jobsa		416		21 KM		21 KM
38.	Katrail		1119		22 KM		17 KM
39.	Erenda	Autina	777	Balurghat, C.No.	25 KM	Balapur PHC, C.No. 9434790117	10 KM
40.	Gorenda		165		26 KM		9 KM
41.	Kaikuri		301		21 KM		8 KM
42	Chakjalal		566		22 KM		9 KM
43	Sankarbari		740		24 KM		8 KM
44	Naighati	Malancha	320	Balurghat, C.No	15 KM	Balapur PHC, C.No. 9434790117	4 KM
45	Dhundipara		304		16 KM		3 KM
46	Kasitara		181		14 KM		3 KM
47	Sandhya- pukur		483		17 KM		5 KM
48.	Sribai		691		18 KM		6 KM
49.	Alinagar	Gofanagar	200	Balurghat, C.No	15 KM	Balapur PHC, C.No. 9434790117	5 KM
50.	Chhayani Basudevpur		349		12 KM		9 KM
51.	Walipara		430		14 KM		5 KM
52	Parbatpur		352		12 KM		4 KM
53.	Gyanbai		112		13 KM		5 KM

**D) Plan to Road Accident**

NH-Nil k.m, State High Road 36 k.m. and other pucca road 116 k.m. (Where vehicle is plying) under Tapan Development Block is vulnerable to Road Accident. There are 38 nos. villages under 11 nos G.P.s having 126542 nos. population of this block. The most vulnerable villages are identified and particulars are given below.

Sl. No	Name of most vulnerable villages	Name of G.P.	Name of Road	Total length of NH/SHR /OPR	Construct ed by	Name of nearest Hospital with <u>contact no.</u>	Distance from the village to Hospital
1.	Rampara Chenchra	Rampara Chenchra	Ditolhat to Nalagola	16 KM OPR	PWD	Rampara Chenchra PHC, C.No. 9434968775	1 KM
2.	Baptail						3 KM
3	Bazrapukur	Ajmatpur	Gangarampur to Tapan	12 KM SHR	PWD	Monoholi PHC, C.No. 9434220285	4 KM
4	Daudpur						6 KM
5	Kadma	Hazratpur	Gangarampur to Tapan	4 KM SHR	PWD	Tapan BPHC, C No. 03521-252083	5 KM
6	Salash						1 KM
7	Khiratta		Tapan to Daralhat	2 KM OPR			3 KM
8	Baghoit						2 KM
9	Rampur	Harsura	Gangarampur to Balurghat	6 KM SHR	PWD	Tapan BPHC, C No. 03521-252083	13 KM
10	Nish-chinta						8 KM
11	Mahanaj						8 KM
12	Jami-nishchinta	Dwip-khanda	Tapan to Balurghat via Daralhat	5 KM OPR	PWD	Tapan BPHC, C No. 03521-252083	8 KM
13	Majhi-khanda						6 KM
14	Tapan	Tapan Chandipur	Tapan to Balurghat via Laskarhat	10 KM SHR	PWD	Tapan BPHC, C No. 03521-252083	1 KM
15	Kasba						2 KM
16	Rajapur						4 KM
17	Kajibhag						0 KM
18	Kardaha	Ramchand ra-pur	Tapan to Nalagola	18 KM SHR	PWD	Tapan BPHC, C No. 03521-	10 KM
19	Bhikahar						12 KM

20	Ramchandra -pur					252083	8 KM
21	Bhaior	Gurail					13 KM
22	Bishnupur	Autina	Tapan to Balurghat via Laskarhat	11 KM SHR	PWD	Balapur PHC, C.No. 9434790117	4 KM
23	Mohisnota						3 KM
24	Paschim Nimpur						2 KM
25	Dakshin Harsura						4 KM
26	Balapur						0 KM
27	Purba Nimpur						1 KM
28	Bharila						2 KM
29	Hasnagar	Gofanagar	Tapan to Balurghat via Daralhat	5 KM OPR	PWD	Balapur PHC, C.No. 9434790117	8 KM
30	Sathihar						9 KM

**E) Plan to combat Drought**

Sl.No.	Population		Agriculture land		Forest Land	No. of Deep T/Well	No. of R.L.I. Centre	Name of drought prone mouza	Name of G.P.
	Human	Cattle	Irrigated	Non- irrigated					
1.	248595	98849	5515 hec.	38938 hec.	723.39 Acre	5	33	Mollazi	Rampara Chenchra
								Jadupur	
								Ganahar	
								Laxmipur	
								Dakhline	Ajmatpur
								Akhanagar	
								Karanjara	
								Pabail	
								Umanandapur	

							Baghoit	Hazratpur
							Salash	
							Nihinagar	
							Faradpur	
							Chenchra	
							Jaminipara	
							Hossenpur	Harsura
							Chak Radhakanta	
							Harsura	
							Gandihar	
							Bandihar	
							Jabrahal	
							Dhulchandriya	
							Mahanaj	
							Kharpa	
							Darpail	Dwipkhanda
							Jajiyar	
							Karanjabari	
							Dwipkhanda	
							Nodhan	
							Panjara	
							Chak Prabhuram	
							Sakoir	
							Shibrampur	
							Kistopur	
							Sarifabad	
							Dakshin	Tapan

							Gouripur	Chandipur
							Bataskhanda	
							Muraripur	
							Sihur	
							Halidana	
							Mamudpur	
							Jamlabad	
							Sikarpur	Ramchandra- pur
							Nazirpur	
							Jamalpur	
							Mahindar	
							Ramchandrapur	
							Chandipur	
							Bhair	Gurail
							Ghatul	
							Nahirkuri	
							Bakharpur	
							Baturia	
							Ghatika	
							Shalgaon	
							Shyampur	
							Bishnupur	Autina
							Chakbrindaban	
							Ahera	
							Kartickpur	
							Kamdevbati	
							Atila	
							Mallickpur	



							Bunail	
							Nimgachhi	
							Jasurapara	
							Chakdarpa- narayan	
							Dudhiyakuri	Malancha
							Dilalpur	
							Jadubati	
							Dhundipara	
							Kashibati	
							Mahukuri	
							Kharikadanga	
							Maildanga	
							Chanchoir	
							Sribai	
							Hansnagar	Gofanagar
							Badsankoir	
							Muradpur	
							Chakbalaram	
							Walipara	
							Izanagar	
							Keshurkuri	
							Shulpanipur	
							Kashmulai	

## PLAN OF HARIRAMPUR DEVELOPMENT BLOCK

### Block Profile:

1. Name of the Block	: Harirampur Development Block
2. Address	: Vill: Dhanaipur, P.O.: Harirampur, P.S. : Harirampur, Dist.: Dakshin Dinajpur
3. Date of Inauguration of the Block	: Estd. 16.08.1996 : Function 01.09.1996
4. Geographical area of the Block	: <b>214.6 sq. km.</b>
5. Main river	: <b>Shreemanti</b>
5. Total population of the Block	: <b>145617</b>
6. Number of Gram Panchayat with name <b>Gokarna, Shirshi, Saiyedpur</b>	: <b>6 (Six); Bagichapur, Bairhatta, Pundari,</b>
7. Name of vulnerable G.P. <b>Bairhatta.</b>	: <b>Saiyedpur, Gokarna, Shirshi, Bagichapur,</b>
8. Number of Mouza	: 155 (One hundred fifty five)
9. Number of Gram Sansad	: 98
12. Number of Flood Shelter	: One Flood Rescue Centre with two rooms (plinth area 1000 sq. ft.) at Nauga, Shirshi Gram Panchayat. Another one at Harirampur is under construction.
14. Number of trained C.D. volunteers	: 50 Nos.
15. Important Telephone No.	: Annexure

### **\*Background of Flood in Harirampur Block:**

Harirampur Block is situated at the border of the District and remotest one. Various kinds of disaster may occur in this block now and then. If flood water of the Mahananda River enters from Itahar Block and across the N.H. 34 to Saiyedpur and Gokarna G.P., it will attack to the bundh which is situated at about 6 km starting from Shyamganj Sagardighi to Gokarna. If the bundh breaks then more or less 50 (fifty) thousand people living within the area of Saiyedpur G.P., Gokarna and Shirshi will be seriously affected. Even, if the river Tangon overflows then flood water of the Shrimati River may enter and affect to Bairhatta, Bagichapur and Shirshi G.P. also.

### **\*Pre Flood Measure:**

As soon as the Message in respect of any calamity will be received from the higher authority, the same will be communicated to the concerned Pradhans through the under noted telephones and sometimes through special messenger. They are also requested to make necessary arrangement for warning of the villagers about the calamity through miking. In this connection, it may be noted that at the time of devastating flood the telephone does not function properly due to failure of communication; at that time sending of information by special messenger may be useful tool to combat the situation.

### **\*Post Flood Measure:**

Medical team is to be deputed to prevent outbreak of Cholera, diarrhea and other epidemic diseases. P.H.E. staff would be deployed for disinfections of tube-wells for keeping safe drinking water at different effected villages in different Gram Panchayat areas.

B.L.D.O. with his team will have to be engaged for distribution of antiseptic medicine, injections for FMD disease etc. for cow, bullock, buffaloes, goats etc. Cattle feed such straw, fodder, Himul etc would be supplied from Agriculture Department to distribute the same to the destitute families of different affected villages.

Arrangement for removal of debris and disposal of dead bodies will be made forth with. **Quick Responsive Team** will have to enquire into the fully / partly dwelling house of the indigent families regarding financial assistance to house building and enquire into the death caused due to flood regarding exgratia grants to its' kins.

**\*List of Country Boat Owners:**

The Block does not have any country boat. Hence, country boats and speed boats are demanded for rescue operation during flood.

Sl.No.	Name of G.P.	Name of Country Boat Owner	Available Con Mob.No.
1	Bagichapur	Nil.	Nil.
2	Pundari	Kabir Alam	9732270738
3	Pundari	Lutfar Rahaman	9733108269
4	Pundari	Sajjad Hossain	9734041297
5	Pundari	Fajijur Rahaman	7797446731
6	Gokarna	Allauddin	9635370389

**Proposed Helipad during emergency:**

1. Dangram I.C. High School ground, Shirshi Gram Panchayat.  
(Lat- 25°19.297'; Lon- 88°16.706')
2. Khyerbari Balihara High School field, Saiyedpur Gram Panchayat.  
(Lat- 25°23.337'; Lon- 88°13.412')
3. Harirampur ASDM High School ground, Bagichapur Gram Panchayat.  
(Lat- 25°22.685'; Lon- 88°15.876')
4. Gram Panchayat Office, Gokarna Gram Panchayat.  
(Lat- 25°22.165'; Lon- 88°11.904')

**\*\*Gram Panchayat wise vulnerable village and flood shelter:**

Name of the Gram Panchayat: Shirshi Gram Panchayat					
Vulnerable village		Population (no.)	Flood shelter		Safest & shortest rout for evacuation
Sl. No.	Name		Name	Capacity(no.)	
1	Shirshi	1764	Dangram I.C. High School	5600	Shirshi → Shyamdas → Dangram I.C. High School
2	Dangram Dakshin	1008			Dangram → Dangram I.C. High School
3	Dangram Uttar				Khoapara → Dangram I.C. High School
4	Shasa	818			Shasa → Dangram I.C. High School
5	Bora	1554			Bora → Muniapukur → Bahadurpur → Dangram I.C. High School
6	Nagaow	444			Nagaow → Dangram I.C. High School
7	Nahit Dakshin	810	Harirampur ASDM High School	8000	Nahit Dakshin → Gopalpur → School
8	Nordas	1545			Nordas → Bagbari → High School
9	Nahit Uttar	1233			Nahit → Gopalpur → Harirampur ASDM High School
10	Bagbari	1657			Bagbari → Gopalpur → Harirampur ASDM High School

Name of the Gram Panchayat: Saiyedpur Gram Panchayat					
Vulnerable village		Population (no.)	Flood shelter		Safest & shortest rout for evacuation
Sl. No.	Name		Name	Capacity (no.)	
1.1	Balihara	1208	Khayerbari Balihara High School	5000	Balihara → School
1.2	Namtor	532			Namtor → P.H.C. → School
2	Khayerbari	1056			Khayerbari → School
3.1	Baje Banagram	439			Baje Banagram → khayerbari → School
3.2	Asol Banagram	798			Asol Banagram → Baje Banagram → Khayerbari → School
4	Paul Bhabanipur	469			Paul Bhabanipur → Asol Banagram → Baje Banagram → Khayerbari → School
5.1	Bimal Para	1601	Bimalpara F.P. School	1600	Bimal Para → School
5.2	Chakgharua				Chakgharua → School
5.3	Boildakuri				Boildakuri → School
5.4	Tuntunia Para				Tuntunia Para → School
6.1	Kanaipur	393	Mahendra High School	5000	Kanaipur → Mobarakpur → Kanaipur → Pustol → Jognail → School
6.2	Uttar Mobarakpur	541			Uttar Mobarakpur → Kanaipur → Pustol → Jognail → School
6.3	Dakshin Mobarakpur				Dakshin Mobarakpur → Kanaipur → Pustol → Jognail → School
7	Bartakigram	2249			Bartakigram → Shyamganj → Jogdala → School
8.1	Nagpara	609			Nagpara → Chhatraghati → Jogdala → School
8.2	Chhatraghati	591			Chhatraghati → Jogdala → School
8.3	Sunahar	608			Sunahar → Chhatraghati → Jogdala → School
9.1	Shyamganj	470			Shyamganj F.P. School
9.2	Belua		Belua → School		
9.3	Dungapara		Dungapara → School		
10	Saiyedpur Purba	4495	Saiyedpur F.P. School	2500	Saiyedpur Purba → School
11	Saiyedpur Paschim				Saiyedpur Paschim → School
12	Saiyedpur Nayapara		Saiyedpur Nayapara F.P. School	2000	Saiyedpur Nayapara → School

<b>Name of the Gram Panchayat:</b> Gokarna Gram Panchayat					
<b>Vulnerable village</b>		<b>Population(no.)</b>	<b>Flood shelter</b>		<b>Safest &amp; shortest rout for evacuation</b>
<b>Sl. No.</b>	<b>Name</b>		<b>Name</b>	<b>Capacity (no.)</b>	
1	Jathigram	1345	Jathigram F.P. School	1500	Jathigram → School
2	Kharua	897	Kharua F.P. School	1000	Kharua → School
3	Boldu	1754	Boldu F.P. School	1800	Boldu → School
4	Chandipur	888	Chandipur High school	5000	Chandipur → School
5	Gokarna	724			Gokarna → Dosthura More → School
6	Fasiabad	1583			Fasiabad → Khirkuri → School
7	Muskipur	1789			Muskipur → Kalaibari → School
8	Baragram	1668	Lahuchar High School	4000	Baragram → Panchayat Office → School
9	Jamuna & Lahuchar	2415			Jamuna → Mission → Panchayat Office → School
10	Muson & Binair	2764	Muson F.P. School	2500	Muson / Binair → School
			Flood shelter	250	Muson → Benair → Flood shelter

<b>Name of the Gram Panchayat:</b> Bagichapur Gram Panchayat					
<b>Vulnerable village</b>		<b>Population(no.)</b>	<b>Flood shelter</b>		<b>Safest &amp; shortest rout for evacuation</b>
<b>Sl. No.</b>	<b>Name</b>		<b>Name</b>	<b>Capacity (no.)</b>	
1	Kolsi	958	Kalshi F.P. School	1000	Kalsi → School
2	Harirampur Hospital	4803	Harirampur ASDM High School	8000	Harirampur → Chowringhee → School
3	Harirampur Paschim Pally				Harirampur Paschim Pally → School
4	Harirampur				Harirampur → School
5	Dhanaipur	1864	Dhanaipur F.P. School	2000	Dhanaipur → School
6	Betna	847	Betna F.P. School	1000	Betna → School
7	Ukhali	852	Ukhali F.P. School	1000	Ukhali → School
8	Sundoli	1163	Sundoli F.P. School	1200	Sundoli → School
9.1	Gurkher	1884	Gurkher F.P. School	2000	Gurkher → School
9.2	Amrakuri				Amrakuri → School
10.1	Kundana	675	Kundana F.P. School	1000	Kundana → School
10.2	Jolkuria				Jolkuria → School
11.1	Dolgram	1314	Dolgram F.P. School	1500	Dolgram → School
11.2	Kothapara				Kothapara → School
11.3	Mollahar	593	Betna Ramkrishne High School	3000	Mollahar → Bhebrahar → School
12.1	Monohara	964			Monohara → Dungapara → School
12.2	Dungapara	230			Dungapara → School

13	Bisapukur	624			Bisapukur → Nendra → Vebrahar → School
14	Golagram				Golagram → Ronthali → Bisapukur → School
15	Nendra				Nendra → Vebrahar → School
16	Kakihar	585			Kakihar → Ronthali → Bisapukur → School

**Q.R.T. for Block Head Quarter:**

Sl. No.	Name of Officer & staff	Designation	Contact number
1	Sri Basudeb Sarkar	B.D.O.	8373069037
2	Sri Md. Musfeqoos Salhen	Jt.B.D.O.	9732122295
3	Sri Arup Chakraborty	S.A.E.(C)	9434305465
4	Sri Amit Majumder	F.E.O.	9831763167
5	Sri Kousik Kar	PA & AO	8910590837
6	Sri Soumen Saha	UDA	7872818808
7	Sri Natipur Rahaman	D.E.O.	9800992852
9	Smt. Swarnali Roy	Gr. D.	9851197267
10	Smt. Shisata Sarkar	Gr. D	8768395844

**Q.R.T. for Gram Panchayat:**

Name of Gram Panchayat:		Shirshi Gram Panchayat		
Sl. No.	Name of Officer & staff	Designation	Contact number	
1	Sri Rafiqul Islam	S.E.O. (Group Leader)	9474442272	
2	Smt. Bratati Panchanan	Secretary,.	9434968361	
3	Sri Dulal Bhumali	G.P.Karmee	9564712428	
4	Saiyed Mostafa Ali	Sahayak	9851435102	
5	Sri Biswanath Tudu	G.P.Karmee,	9733093487	

Name of Gram Panchayat:		Saiyedpur Gram Panchayat		
Sl. No.	Name of Officer & staff	Designation	Contact number	
1	Sri Kousik Kar	PA & AO	8910590837	
2	Sri Natabar Kundu	E.A.	8927067749	
3	Sri Ashish Mandal	N.S.	8436278910	
4	Sri Golam Mortuja	Sahayak	9734536168	
5	Sri Mantu Das	G.P. Karmee	9593905225	

Name of Gram Panchayat:		Gokarna Gram Panchayat		
Sl. No.	Name of Officer & staff	Designation	Contact number	
1	Sumit Choudhuri	Executive Assistant(Group Leader)	7585093089	
2	Sri Jana Mardi	Secretary	8159868432	
3	Sri Shib Sankar Mandal	N.S.	7602050353	
4	Md. Mojaffar Hossain	Sahayak	9733179034	
5	Sri Biren Sarkar	G.P. Karmee	9609956384	
6	Sri Najrul Islam	G.P. Karmee	9733076546	

Name of Gram Panchayat:		Bagichapur Gram Panchayat	
Sl. No.	Name of Officer & staff	Designation	Contact number
1	Sri Rabindra Nath Kisku	DSPS(Group Leader)	9593966859
2	Sri Badiur Jaman	E.A.	9732413558
3	Sri Sanatan Sarkar	Secretary	9775921244
4	Sri Tapash Mandal	N.S.	9679830055
5	Sri Arunangshu Ghosh	Sahayak	9734977053
6	Sri Faruk Siddique	G.P. Karmee	9733181157
7	Chaiatanya Das	G.P.Karmee	7076605403

### TELEPHONE DIRECTORY

Block: Harirampur Development Block				District: Dakshin Dinajpur	
Sl. No.	Name	Institution	Designation	Contact no. (O/R/M)	Fax / e-mail
1	Smt. Basudeb Sarkar	Hariampur Development Block	B.D.O.	8373069037(M) 03524265139(O)	03524-265147(Fax) bdoharirampur@gmail.com
2	Sri Madhumita Roy	Harirampur Panchayat Samity	Savapati	9609828813	
3	Dr. Soubhik Alam	Harirampur B.P.H.C.	B.M.O.H.		03524-265110
4	Sri Ashim Kumar Gope	Harirampur Police Station	I.C.	9735010329	03524-265146
5	Sri Golam Mostafa	Harirampur Panchayat Samity	Sahakari Savapati	7407068367	
6	Smt. Tahasina Parvin	Harirampur Panchayat Samity	Karmadhakshya, Sishu O Nari Unnayan Janakalyan O Tran Sthayee Samity	7479027167	
7	Sri Pren Chand Nuniya	HRP. P.S.	P.S. Member		
8	Sri Raghunath Sarkar	HRP. P.S.	P.S. Member		
9	Smt. Masedur Rahaman	HRP. P.S.	P.S. Member		
10	Sri Saidur Rahaman	HRP. P.S.	P.S. Member		
11	Smt. Tahasina Parvin	HRP. P.S.	P.S. Member		
12	Smt. Khalilur Rahaman	HRP. P.S.	P.S. Member		
13	Smt. Papiya Biswas	HRP. P.S.	P.S. Member		

14	Smt. Sufal Soren	HRP. P.S.	P.S. Member		
15	Sri Gita Rani Mahato	HRP. P.S.	P.S. Member		
16	Sri Basanti Das	HRP. P.S.	P.S. Member		
17	Sri Elija Tudu	HRP. P.S.	P.S. Member		
18	Smt. Nimai Chandra Sarkar	HRP. P.S.	P.S. Member		
19	Smt. Akbar Ali	HRP. P.S.	P.S. Member		
20	Smt. Chagli Hasda	HRP. P.S.	P.S. Member		
21	Smt. Husneara Chowdhury	HRP. P.S.	P.S. Member		
22	Sahanaj Parvin	Saiyedpur Gram Panchayat	Pradhan		saiyedpur@gmail.com
23	Natabar Kundu	~do~	Executive Assistant	8927067749	
24	Chaitannaya Besra	Gokarna Gram Panchayat	Pradhan	8327897041	gokarna.panchayat@gmail.com
25	Jana Mardi	~do~	Secretary	8159868432	
26	Anjana Sarkar	Shirshi Gram Panchayat	Pradhan	9064387506	gshirshi@gmail.com
27	Smt. Binodini Barman	Pundari Gram Panchayat	Pradhan	6297059995	pundarigp@gmail.com
28	Chiraranjan Bhadra	~do~	Executive Assistant	9735025979	
29	Goljar Alam	Bagichapur Gram Panchayat	Pradhan	9775831075	bagichapur.gp@gmail.com
30	Badiur Jaman	~do~	Executive Assistant	9732413558	
31	Rohini Debsharma Sarkar	Bairhatta Gram Panchayat	Pradhan	9647814952	bairhattagp@gmail.com
32	Dulal Ch Das	~do~	Executive Assistant	9775490116	



<b>Name of Gram Panchayat:</b> Bairhatta Gram Panchayat			
<b>Sl. No.</b>	<b>Name of Officer &amp; staff</b>	<b>Designation</b>	<b>Contact number</b>
1	Sri Shibesh Kr. Sekh	A.P.O. (Group Leader)	8902639714
2	Sri Dulal Ch Das	E.A.	8768716636/9775490116
3	Sri Sarfaraj Ahamed	Secretary	9733192760
4	Sri Shambhunath Saha	Sahayak	9635512870
5	Sri Jamsed Ali	G.P. Karmee	9733128329
6	Sri Plash Mandal	G.P. Karmee	9733198722

<b>Name of Gram Panchayat:</b> Pundai Gram Panchayat			
<b>Sl. No.</b>	<b>Name of Officer &amp; staff</b>	<b>Designation</b>	<b>Contact number</b>
1	Sri Sadhan Paul	B.I.O. (Group Leader)	9733383545
2	Sri Chiraranjan Bhadra	E.A.	8116027783
3	Sri Santosh Sarkar	Secretary	9733403054
4	Sri Sudipta Das	Nirman Sahayak	9775954981
5	Sri Shekhar Banerjee	Sahayak	9734055243
6	Sri Ranjit Mahanta	Sahayak No.II.	9647801947
7	Sri Anandalal Roy	G.P. Karmee	9733140735
8	Sri Majibur Rahaman	G.P. Karmee	9733155738
9	Sri Biraj Chandra Sharma	G.P. Karmee	8001623764

<b>Sl.No.</b>	<b>Name of G.P.</b>	<b>Name of Employee</b>	<b>Designation</b>	<b>Available Con Mob.No.</b>
1	Pundari	Chira Ranjan Bhadra	E.A.	8116027783
2	Pundari	Santosh Sarkar	Secretary	9733403054
3	Pundari	Sudipta Das	N.S.	9775954981
4	Pundari	Shekhar Banerjee	Sahayak-I	9734055243
5	Pundari	Mojibar Rahaman	G.P.Karmee.	9733155738
6	Pundari	Anandalala Roy	G.P.Karmee	9733140735
7	Pundari	Birah Ch.Sarkar	G.P.Karmee	8001623764
8	Pundari	Ranjit Mahanta	Sahayak-II	9647801947
9	Bagichapur	Badiur Jaman	E.A.	9732413558
10	Bagichapur	Sanatan Sarkar	Secretary	9775921244
11	Bagichapur	Tapash Mandal	N.S.	9679830055
12	Bagichapur	Arunangshu Ghosh	Sahayak	9734977053
13	Bagichapur	Faruk Siddique	G.P.Karmee	9733181157
14	Bagichapur	Chaiatanya Das	G.P.Karmee	7076605403
15	Bagichapur	Surajit Pandey	V.L.E.	9614205424

16	Gokarna	Sumit Choudhuri	E.A.	7585093089
17	Gokarna	Jana Mardi	Secretary	8159868432
18	Gokarna	Shib Shankar Mondal	N.S.	7602050353
19	Gokarna	Mojaffar Hossain	Sahayak	9733179034
20	Gokarna	Biren Sarkar	G.P.Karmee	9609956384
21	Gokarna	Najrul Islam	G.P.Karmee	9733076546
22	Gokarna	Bipul Ch. Das	Gram Rojgar Sevok	9593911794
23	Gokarna	Prabir Sarkar	Casual Labour	8972210472
24	Gokarna	Anup Kr. Sarkar	V.L.E.	9647877686
25	Gokarna	Biplab Das	S.T.P.	8371891029
26	Gokarna	Shah Nawaj Abedin	Casual Labour	9083702335
27	Shirshi	Badiur Jaman	E.A-In-Charge	9732413558
28	Shirshi	Sudipta Das	N.S-In-Charge	9775954981
29	Shirshi	Bratati Panchanan	Secretary	9434968361
30	Shirshi	Syed Mostafa Ali	Sahayak	9851435102
31	Shirshi	Ranjit mahanta	Sahayak	9647801947
32	Shirshi	Dulal Bhuimali	G.P.Karmee	9564712428
33	Shirshi	Biswanath Tudu	G.P.Karmee	9733093487
34	Shirshi	Amitabha Roy	STP	9609995074
35	Bairhatta	Md. Hajibulla	GRS	9126186030
36	Shirshi	Dipu Sarkar	VLE	8158043712
37	Shirshi	Khalelur Rahaman	GPCAA	9775418143
38	Shirshi	Amar Nath Mudi	Tax Collector	9735913356

### **Experience of FLOOD in 2017 :**

This block, Harirampur Development Block had been affected by the flood of river Shrimati. Most of the house of the villages under this block and made off with soil and bamboos. So the flood causes water lock around the houses of these villages for which the hours had been damaged fully or partially.

Harirampur Block was badly affected by a devastating flood from the afternoon of 15<sup>th</sup> August, 2017 and villages of 3 (three) Gram Panchayat out of 6 (six) remained locked by water about 25 (twenty five) days. I have ever earned a very bitter experience on those days. Peoples were leaving their house with tears for a safe shelter. They were carried their essential goods, cattle, etc. On those days their condition were

very miserable. Peoples were compelled to sleep under the sky. They were crying for safe drinking water and food. Small Children were crying for food. I with the staff of Harirampur Block were hardly trying to reach to the miserable people to help.

### **Lacks**

We had tried our best to help all kind of helpings for miserable peoples but although there were some lacks to reach with help to the victimized people. Peoples were aggrieved for non reaching of helping in times. Few lacks are mentioned below –

1. There were not enough stock of Dry Food, medicine, rice, etc.
2. There were not source of packaged safe drinking water.
3. There were not availability of Country Boat or Speed Boat.
4. There were not enough stock of Tarpaulin.

### **Learning Points :**

The following measures may be taken up in advance to avoid any delay to reach help to the flood affected people and to avoid any public grievances at the time of flood situation –

1. Make available stock of Tarpaulin.
2. Make available enough stock of dry food, safe drinking water package.
3. Make available of Country Boat/Speed Boat.
4. Create awareness among the people.
5. Construction of Flood Shelter.

# PLAN OF KUMARGANJ DEVELOPMENT BLOCK

## Map of Kumarganj Block



## P R E F A C E

Kumarganj Block has embarked on the path of preparing and publishing a comprehensive Disaster Management Plan that shall address all the concerns preparing for Disaster threads and mitigation of the need at the time of Disasters. The Block has been hit by various kinds of disasters over the years. The disasters occurring in Kumarganj Block are both nature triggered and man induced. Nature's fury over Kumarganj Block takes shape of cyclones, floods, lightning and occasional epidemics. The man induced disasters affecting in this Block are accidental Fire, road accidents, fire accidents. In this context, a dedicated effort has been made by the Block to prepare a comprehensive BDMP under the stewardship of Block Administration. We have prepared a complete list of possible disasters in each village, collated the history of disasters, Standard Operating Procedure (SOP) for each such disaster, contact numbers of all the Nodal officers, Diving experts and QRTs, inventories of the entire disaster management equipment, list of Flood shelters and medical facilities and a Hazard specific Crisis Management Plan. The staff of the Disaster Management Section of this office deserve praise to bring out such a beautiful plan to serve the very purpose in light of previous experience and for providing better service.

### The Block Disaster Management Plan, Kumarganj Block, has included-

- The areas in the Block vulnerable to different forms of Disasters.
- The measures to be taken, for prevention and mitigation of disaster, by the Departments of the Government at the Block level and local authorities in the district;
- The capacity-building and preparedness measures required to be taken by the Departments of the Government at the district level and the local authorities in the district to respond to any threatening disaster situation or disaster;
- The response plans and procedures, in the event of a disaster, providing for-
- Allocation of responsibilities to the Departments of the Government at the district level and the local authorities in the Block.
- Prompt response to disaster and relief thereof;
- Procurement of essential resources;
- Establishment of communication links; and
- The dissemination of information to the public;
- Such other matters as may be required by the District Authority.

The Block Plan shall be reviewed and updated annually. The copies of the Block Plan referred to in sub-sections (2) and shall be made available to the Departments of the Government in the district.

### General Introduction of Administrative Section

#### Temperature

According to the 2011 census population of Kumarganj Block:

#### Household Details: -

Sl. No	Name of the Block	Total Number of HH	Population			Category					
			Adult	Children <5 yrs.	Total	SC	ST	OBC	GEN		
1.	Kumarganj	41301	151175	17951	169126	43840	28769	46658	49859		
Sl. No	Name of the Block	No. of APL HH					No. of BPL HH				
		ST	SC	OBC (M)	GEN	TOTAL	ST	SC	OBC (M)	GEN	TOTAL
1.	Kumarganj	1858	2227	4314	21719	30118	4667	5412	5850	5174	21103

**Literacy Rate in Percentage:**

Male	Female	Total
72.13%	76.78%	67.46%

**Climate and Rainfall :**

Sl. No.	Month	Average Rainfall(in mm)	Actual Rainfall (in mm)
1	January	0.94667	28.4
2	February	3.76000	112.8
3	March	0.67333	20.2
4	April	2.64667	79.4
5	May	9.59333	287.8
6	June	7.30000	219.0
7	July	15.29000	458.7
8	August	20.24667	607.4
9	September	5.42000	162.6
10	October	0.51333	15.4
11	November	0.00	0
12	December	0.00	0

**Rain Recording Stations:**

1. Total No. of Rain Recording stations in the Block –
2. Location of Rain Recording stations – It is situated at SARF Kumarganj

*Telephone Numbers of the Rain Recording stations – 9609871264*

**Geographical Area (in Hect.):**

Sl. No.	Name of the Block	Agricultural Land (ha)			Grazing land	Forest Land (ha) (Social Forestry)	Water area	Others	Total area
		High	Medium	Low					
<b>1.</b>	<b>Kumarganj</b>	<b>10.75</b>	<b>16125</b>	<b>4300</b>	<b>15</b>	<b>.5</b>	<b>5</b>	<b>-</b>	<b>22015</b>

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

Sl. No.	Name of the Block	Big Farmers	Marginal farmers	Small Farmers	Agricultural labours	Bargadars	Total
1.	<b>Kumarganj</b>					<b>24933</b>	

## **HAZARD VULNERABILITY, CAPACITY & RISK ASSESSMENT (HVCRA)**

### **INTRODUCTION:**

This is the most important part of the plan. Vulnerability assessment deals with the socioeconomic vulnerability, housing vulnerability and environmental vulnerability. Kumarganj Block is exposed to multiple hazards, which may result in disaster. These hazards have been studied further in subsequent chapters to know their possible impact during any disaster. The various hazards that are possible at Kumarganj Block have been broadly categorized as follows.

#### **Cyclones / Storm**

#### **Flood**

#### **Drought**

#### **Boat capsizing**

#### **Lightning**

#### **Earthquake**

#### **Fire / Explosion**

#### **Epidemic**

### **MISCELLANEOUS DISASTERS**

#### **Road Accident**

#### **Cyclones/Storms:**

Cyclone is a vast violent. Historically it is seen that cyclones are not as severe as and as frequent in this area. Historically, the cyclone is commonly hit the Block in every year also cause of damage of houses , crops and other property every year.

#### **Flood:**

There are one major river flowing in the Block namely Atrai and one small river namely Ichhamati. Out of these many Kharies and drains also situated and joined with these rivers. River Atrai comes from Bangladesh and flows through 6 Gram Panchayats like as Samjhia, Safanagar, Bhour, Ramkrishnapur, Deor & Mohana . Similarly the Ichhamati River comes from Bangladesh and flows through 3 Gram Panchayats like as Samjhia, Jakhirpur & Mohana . Historically there have been incidences of floods in the low-lying areas along the rivers and Kharies. This Block faces a severe Flood in the year, 2017 and that broke all previous records. Broken the record of massive flood, 20 years back flood continued for 13 long days and as a result, a measure part of the block area, huge quantity of crops area were drowned and cause a huge damage got inundated. Many houses were damaged and 4 no of casualties took place.

One disaster Team formed in the Block and for the Gram Panchayats. The Block have identified the areas vulnerable to flood.

#### **Drought:**

Drought is a natural hazard that differs from other hazards since it has a slow onset, evolves over months or even years, affects a large spatial extent, and cause little structural damage. Like other hazards, the impacts of drought span economic, environmental and social sectors and can be reduced through mitigation and preparedness. Because droughts are a normal part of climate variability for virtually all regions, it is important to develop plans to deal with these extended periods of water shortage in a timely, systematic manner as they evolve. Drought conditions are due to deficit rainfall and area under sowing.

#### **Boat Capsizing:**

Boat capsizing is normally caused by overcrowding. The effects of a boat capsizing would be localized and the Block administration may require help from other professional divers to rescue the people. Ferry service is common in the Block and thereby chances of drowning are very high. Chances of boat capsizing are related with monsoon season in this area.

**Earthquake:**

Kumarganj Block faces earthquake but still preparedness is necessary to avoid loss of life and property. In most earthquakes, the collapse of structures like houses, schools, Hospitals and public buildings results in the widespread loss of lives and damage. Earthquake also destroy public infrastructure like roads, dams and bridges, as well as public utilities like power and water

Supply installations. Historically there has been some incident of earthquake during last few years but no severe damage occurred.

**Fire:**

Incident of Accidental Fire is took place in every year in this Block. 2 casualties also took place two years ago. House damage, Live stock injury, death and valuable property damage commonly occurred due to fire.

**Epidemic:**

Affecting disproportionately large number individuals within population, community or region at the same time. The epidemic could be due to water- borne diseases like cholera, hepatitis and others like malaria which could affect large number of people and calls for a plan of action by the Block administration. The administration would ensure that necessary steps are taken to control the spreading of disease, and provide medical help to affected persons.

**Road Accident:**

Road accidents have the highest probability among disasters. There are District roads where there are many buses and other vehicles were running regularly, Motorcycles, Auto, Toto etc. also running through this roads so Road Accident may occur.

The following institutional arrangements have been made to enhance the capacity of the Block administration in the implementation of disaster preparedness & response to the various type of disaster especially recurring disasters. The Block formed a Team consisting of the following members:-

**Kumarganj Block Disaster Management Committee :**

Sl. No	Name	<u>Designation</u>	Address	Phone Number
				Office
1.	Smt. Jyotsna Ghosh, Sabhapati, Kumarganj Panchayat Samiti.	Chairman	Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur	980012265
2.	Sri Debdatta Chakraborty B.D.O., Kumarganj Block	Vice Chairman	Kumarganj Block.,Gopalganj,D/Dinajpur	9434054205
3.	Azad Ali Mondal, Saha-Sabhapati, Kumarganj Panchayat Samiti.	Member	Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur	9609895096
4.	Sri Khem Sundar Mondal, Jt. B.D.O., Kumarganj	Member	Kumarganj Block.,Gopalganj,D/Dinajpur	9434681232
5.	Smt. Ira Roy, Member, D.Dinajpur Z.P.	Member	Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur	9775917480
6.	Mafizuddin Mondal, Purta Karmadhaksha, DDZP	Member	Deor , Dakshin Dianjpur	9851409516
6.	GOLAPI MONDAL (ROY) Karmadhyakkshya, Nari-O-Sishu Unnayan, Janakalyan-O-Tran Sthayee Samiti, -Kumarganj-P.S.	W/O- BHOLA ROY	VILL. + P.O. JAKHIRPUR, P.S.- KUMARGANJ, DIST- D/DINAJPUR, PIN- 733141	9679434923
7.	Smt. Shephali Roy PS Member	Member	Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur	9800122655



8.	Sri Uma Roy , Karmadhaksha, Janasastha, -Kumarganj P.S..	Member	Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur	6297726814
9.	Pushpendu Bhattacharya BMOH/ Medical Officer, -Kumarganj BPHC	Member	Barahar (Mohipur),Dakahin Dinajpur	9830330457
10.	Inspector-in-Charge, Police Station	Member	Kumarganj Police Station, Kumarganj, D/Dinajpur	
11.	Station Manager. -Kumarganj Gr. Electric Supply.	Member	Barahar (Mohipur),Dakahin Dinajpur	
12.	Junior Telecom Officer, Kumarganj	Member	Gopalganj,D/Dinajpur	
13.	Mihir Kr. Ghosh, Block Live-Stock Dev. Officer, --KumarganjBlock	Member	Gopalganj,D/Dinajpur	7001809926
14.	Partha Sarathi Nag, -, Veterinary Surgeon, Kumarganj Block	Member	Gopalganj,D/Dinajpur	
15.	Sub-Asstt. Engineer-in-Charge, Sri Benoy Biswas, PHE	Member	Kumarganj Block.,Gopalganj,D/Dinajpur	9434246954
16.	Inspector, Food & Supply, Kumarganj Block	Member	Kumarganj Block.,Gopalganj,D/Dinajpur	9434715916
17.	Anwarul Islam Additional Director of Agriculture,Kumarganj	Member	ADA Office Barahar (Mohipur),Dakahin Dinajpur	9733206768
18.	Saber Ali Mondal , Krishi Karmadhasha , Kumarganj P.S.	Member	Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur	9647722490
19.	Sibaji Tudu, Karmadhasha , Siksha, Kumarganj P.S.	Member	Kumarganj Panchayat Samiti.,Gopalganj,D/Dinajpur	8016480281
20.	Sectional Officer, Irrigation	Member	Barahar (Mohipur),Dakahin Dinajpur	
21.	Sri Manish Chandra Sarkar,-, Block Disaster Management Officer in Charge, -Kumarganj Block	Member- Convenor	Kumarganj Block.,Gopalganj,D/Dinajpur	9434963156

### **Prevention & Mitigation Measures:**

#### **Disaster Mitigation Measures:**

An effective mitigation planning is necessary to reduce the risk involved with natural calamity. For efficient disaster mitigation, the pre-disaster phase needs to be utilized for planning and implementing preventive measures on the one hand and working on preparedness activities on the other. Disaster is caused due to failure of manmade structures, lack of preparedness and awareness. So far, disaster mitigation efforts are mostly reactive.

#### **Mitigation Measures:**

Mitigation embraces all measures taken to reduce both the effect of the hazard itself and the vulnerable conditions to it in order to reduce the scale of a future disaster. Mitigation aims to reducing the physical, economic and to threats and the underlying causes for the vulnerability.

### **Structural Mitigation Measures:**

Building should be strictly confirm to the building bye laws. For an existing building, retrofitting or seismic strengthening is the only solution to make it Disaster resistant. In the Block all lifeline buildings such as hospitals, schools, Block Administration office and the vital installation shall be retrofitted. A panel of expert shall be approached for assessing the structure and to suggest the type of retrofitting required. Illegal construction, encroachments, unapproved additions, alternations etc of residential building and conversion of residential building in to commercial purpose etc shall be checked by the concerned authorities with strict measures. These unauthorized activities may lead to disaster in that particular urban area mitigation measures to be in the district implementation of DM Policy.

- Strengthening of life line buildings.
- Retrofitting of school and life line buildings.
- Preparation of DM Plan at the district, Block and Village level, all schools in the district.
- Prepare a DM plan

### **Capacity Building and awareness generation:**

Country have a very few experts in mitigation planning. We must focus our attention to the institutionally and manpower development at all levels. There is a need to train architects, engineers, planners and masons in developing safe housing and infrastructure facilities. Manual have also been developed outlining methodologies for new constructions and retrofitting of old ones. A strong legal and enforcement framework with appropriate incentives and punitive measures is required together with awareness programs for general public. All these components must be taken up simultaneously; ignoring one aspect for the other could be counterproductive.

### **Pre-Disaster Period:**

#### **Preparation Objectives Action initiated by:**

Convening Block Level

Committee on natural calamity in the month of May

To suggest the least of relief work to be undertaken, advise on the precautionary measures to be taken, directions for stocking of food grains in strategic or key points. Block Emergency Operation Center, Identification of vulnerable points according to the expected disaster. Repairing of Embankments, stocking of the sand bags, alerting people near highly vulnerable pockets, engineers Identification & Indent of essential commodities for the inaccessible scarcity pockets Stocking of food grains and other essential things in GP headquarters Selection of Shelters Arrangements for shelter during emergency requirement of medicines, formation of mobile teams, identifying epidemic areas, Stocking of medicines and deputation of personals.

Arrangement of food and fodder for the cattle, Stocking of the same, Organizing Mock drills Awareness generation.

### **Immediate pre disaster:**

#### **Preparation Objectives Action initiated by:**

Receipt of information From IMD/SRC control room / DEOC Dissemination of information from DEOC to all Cos / line depts. Immediate setting and operational of control room round the clock Rescue and evacuation o evacuate vulnerable people to identified shelters and logistic arrangements Civil defense unit, police personals, armed forces, fire officers, red-cross team ready with rescue kits which are to be made available to them through the DEOC arrangement of free kitchen To provide immediate feeding BDOs/CDPOs/NGOs to the evacuated people Sanitation and medicines To prevent epidemics and infections Engineer of PHED / Civil Surgeon Ensuring transportation of relief materials to affected pocketsto ensure that the relief materials reach in time to the affected people. Ensuring safety of life and belongings. to

prevent anti-social activities SP/DSP/Inspector and SI of the affected block/NGOs Ensuring availability of safe drinking water, provision of health facilities and minimum sanitation, to check the onset of epidemics, Meeting of field level officers in every 24 hours to review the situation, Better co-ordination, Collection of information and daily reporting to concerned officers, linkage between field and district control room. Core group of Officers of line departments, Estimation of number of vehicles – Light /Medium / Heavy to ensure smooth transportation for relief works Arrangement of trucks loaded with generators to move to the field immediately after the disaster is over.

### **Post Disaster:**

#### **Preparation Objective Action Initiated by**

Distribution of relief as per provisions to provide food and other essential commodities for survival BDOs, Eos, NGOs Assessment of Damage To ascertain the exact loss for reporting to the govt. All line depts., engineers, monitoring the relief operations organized by external Agencies / UN agencies/ Red Cross / NGOs /Others etc.

#### **Restoration of communication**

– Roads -

For timely and Prompt delivery/transportation of relief articles/deployment of rescue teams, Engineers, police restoration of electronic communication system to ensure proper co-ordination linkage BSNL Technocrats of police signals, Immediate arrangement of free kitchen for the effected people to avoid starvation. Documentation of the entire event-Written, Audio, Video for reporting purposes and institutional memory BDO/ Jt. BDO Monitoring To review the relief works and remove the bottlenecks

#### **Measures to be Taken - NATURAL DISASTERS:**

The natural disasters have widespread damage potential and may or may not come with pre warning. Hence the Block Disaster Management Plan should be immediately activated to ensure minimum loss of life and property.

### **Cyclone / Storm**

#### **Functioning of Control Rooms:**

- From the start of June, the control Room will be operational 24X7 at the Block.
- During normal time control room should monitor the preparedness activities during pre-disaster, disaster & post disaster, dissemination of early warning on cyclone situation received from Authorities.
- Ensuring initiation of implementation of public health measures, monitoring trend of diseases and cope with any situation arising out of disaster.
- The line list of district RRT & block RRT with mobile No. of key nodal persons in the cut of areas should be available at district level.

#### **Preliminary Actions on alert signal from meteorological department:**

- Identification of likely affected areas
- Entire Kumarganj Block areas are likely to be affected by cyclone
- After receiving alert from competent authority, broadcast the information about cyclone strike on Radio, TV channels and loud speakers mounted on police jeeps. Contact Police department and instruct them to inform general public in their respective areas (beats).
- Move people from high risk areas to identified assembly points in lower risk areas.
- Arrange food, water and medicine.

### **Before Disaster /During Disaster/ After Disaster**

- Cyclone alert and warning at least 48 hours and 24 hours respectively before the commencement of the bad weather
- Ensure that all critical activities in areas likely to be affected are shutdown
- Setting up of field hospitals in the affected areas and deployment of mobile hospitals
- Mobilization of specialized equipment and machinery to affected areas
- Arrangement for food, clothing, blanket / bedding, drinking water, sanitation and hygiene, lighting arrangements and essential medicines
- Creation / Retrofitting of structures – including roads, bridges that may have been destroyed/damaged due to the disaster.
- Special attention to ladies, children and elders
- Arrangements for distribution of gratuitous relief and cash doles

**Flood:**

Floods are natural calamities that have the potential to cause widespread damage to human beings and property. Flood planning is perhaps the best protection against flood damage. Floods occur after a pre-warning, enabling advance action.

**Some of the important pre-actions are:**

- On receiving the flood alert information, the D.C. should issue a flood alert to all the police Thanas (stations).
- The concerned officials should be asked to immediately appraise the people living in the low level areas about the possibility of flood.
- Notify and inform general public about flood situation through radio broadcast or over local cable TV network.
- Additional District Magistrate should co-ordinate with the Chief Medical Officer, DHO, Chief Medical Superintendent-District Hospital, as well as Rural Development Officers along with the District Inspector of Schools.
- Ensure that the complete evacuation of the locality / village in low-lying areas has taken place.
- The responsible persons to ensure that the relief centers have the basic amenities to prevent spread of diseases as well as give first aid to the injured at the relief centre.

**Main actions during flood should be:**

- In the event of a flood / inundation due to incessant rains it should be ensured that the roads leading to the areas where the water accumulation is possible are completely cordoned off.
- All the entry points i.e. road entry points from the National Highway, should have names of villages and the areas which are inundated.
- In the event of flood or damage due to heavy rains the traffic suspension signal should be passed on to the neighboring Blocks.
- The information should be relayed well in advance in order to prevent jamming of the road in any section of the National Highway / District Road.
- Apart from the road network being affected it is also likely that the train traffic could also get affected. In the event of the same, it should be ensured that information pertaining to the flood or damage to the bridge or inundation on the tracks alert should be relayed to the Divisional Railway Manager.
- Cut off electrical supply to prevent electrocution
- Establish contact with the ECR for up-to-date status.

**Post Flood actions include:**

- Clearing of debris and carcasses of animals and dispose suitably, to prevent outbreak of epidemic.

- Re-establish communication link and other services like electricity, transport.
- Vaccination to persons against water borne disease.
- Inspect all road and rail bridges for worthiness before opening the same for general public.
- The railways should inspect the railway lines for their worthiness and for the relief trains to pass.

### **Livestock Management:**

- Herds of sheep and goats recover fast, but cattle, buffaloes etc. grow slowly in numbers
- Department of Animal Husbandry should ensure the provision of adequate fodder for protection of livestock
- Farmers can use sugarcane husk, sunflower heads, groundnut/red gram/green gram etc. as cattle feed

### **Drought Proofing:**

- Harvest rain, involve communities, move from 'drought management' to 'monsoon management'
- Building of dams and irrigation systems
- Revive and strengthen traditional knowledge in water harvesting and conservation if possible.
- If the runoffs of forest areas, mountains and other uninhabited terrain can be harvested, the potential for rainwater harvesting is enormous.
- Making available adequate no. of tanks/ponds in villages for recharging ground water
- Village scale water harvesting must be put higher priority as running water gets lost in a huge amount due to evaporation, infiltration into soil etc.
- A large no. of micro catchments (E.g. 0.1 hectare) provide larger amount of rainwater harvested than a larger catchment though the land area remains the same.

### **Drought Measures:**

- Strengthening of long range, medium range and short range forecasting of monsoon by IMD at Meteorological Sub-Division, District and PS level.
- Artificial recharging of ground water, watershed program in privately owned small/marginal farms, laying of pipes/channels for exclusive transportation of water to dry areas.
- Program for reconstruction and preservation of traditional water harvesting structures, construction of canals for transportation of water from surplus to non-surplus areas, establishment of cost-effective drip /sprinkle irrigation practices etc.
- Ensuring provision of medicines and critical health care in the risk prone areas during drought for humans and animals.

### **Before Disaster During Disaster After Disaster:**

- Dams/reservoirs and wetlands to store water
- Ensuring prompt availability of food grains and fodder
- Improvement in agriculture through modifying cropping patterns and introducing ware houses and cold storages for preservation / storage of food grains
- Water rationing
- Proper selection of crop for drought affected areas
- Watershed management
- Education and training to the people
- Participatory community programs
- Reducing deforestation and fire-wood cutting in the affected areas
- Ensure availability of drinking water and water needed for basic needs
- Mobilize Block level plans in terms of releasing additional funds to improve irrigation

- Ensuring prompt supply of inputs like seeds, fertilizers and credit drought-resistant varieties of crops
- Animal husbandry activities can help in mitigation with use of improved and scientific methods
- Arrangements for distribution of gratuitous relief and cash doles.

### **Boat capsizing**

In the event of boat capsizing, following action plan is to be activated.

- On receipt of information on boat capsizing incident, inform coast guard, home guard or NMPT to mobilize their teams to carry out search operation. If required, necessary help may be taken from NAVY for aerial search.
- Identify the spot of accident and direct rescue team there. This operation may require under water cameras for locating drowned people.
- Rescue team of coast guard / NAVY should consist of divers, swimmers, and should have rescue equipment I.e. life buoy, divers' kit, medical first aid kit.
- Besides this, the rescue boat should be equipped with communication equipment.
- Doctor /first-aiders should provide first aid to victims.

### **Epidemic**

The Block Medical Officer is the overall in charge of prevention and control of outbreak of any epidemic in the district in addition to his normal duties. TB Officer (with additional charge of AIDS prevention and control) assists him in the above task. Malaria, Filariasis, Leptospirosis, Dengi fever are the common diseases in the district which could assume epidemic levels if not controlled in time. However outbreak of Cholera and other water borne diseases cannot be ruled out especially in the aftermath of a major flood in the district.

On detection of outbreak of any epidemic in the district, the administration should investigate the root cause of the epidemic and initiate the action to mitigate the same as follows:

- The people affected should be immediately shifted to hospitals for medical attention and kept isolated to prevent spread of disease.
- Additional medical help/ medicines may be mobilized from neighboring districts.
- Vaccination should be given to all unaffected persons and the general public should be educated about the precautionary steps to be taken against the prevailing epidemic.
- Steps should be taken to decontaminate the source of epidemic like water bodies(lake, wells etc.).
- There should be proper temporary morgue arrangement for safe preservation and disposal of corpses of persons died of epidemic.
- Clean up drive should be taken in the affected area as filth is the major source of contamination.
- Depending on prevailing situations, the administration should take action to close all the road side eateries/ food stalls and advise them to destroy all stale food. Strict control should be exercised on the licensed restaurants.
- Decision may be taken to close down all schools, colleges and other places of mass congregation like cinema halls etc.

**Following are the contact details of this department:**

#### **BLOCK LEVEL MEDICAL TEAM:**

<b>Sl. No.</b>	<b>Name of the Team Member</b>	<b>Designation</b>	<b>Contact Number</b>

1	Dr. Pushpendu Bhattacharya	B.M.O.H.	9830330457
2	-----	B.S.I.	
3	Dr. Pratip Nandi	Kumarganj R.H.	9830464097
4	Smt. Prity Chakraborty	B.P.H.N.	9432680851
5	Dr. S.B. Mukherjee	M.O. Samjhia P.H.C.	9733242517
6	Dr. Nilanjan Patra	M.O. Batun P.H.C.	9679768243
7	Dr. Pankaj Ghosh	M.O. Deor P.H.C.	9434459584
8	Sri Bipul Krishna Adhikary	Pharmacist	9733095027

**Following are the contact details of Registered Owners/Drivers of the Crane /JCB/Tippers**

Category of Vehicle	Vehicle No.	Owner	Cont. No.
Bolero	WB61A/3333	Jali Das	9734908347
Bolero	WB61/5621	Jali Das	9734908347
Bolero	WB-62A/1538	Pradip Mahanta	9734908347
Bolero	WB66K/9894	Tapash Mondal	9732853079
Bolero	WB62C/3491	Amal Kr. Saha	9733158010
Xylo	WB62D/8648	Moklej Miah	9733028254
Bolero	WB62C/3142	Pravat Saha	8972382948
Bolero	WB62F/5251	Bakul Mandal	9735516505
Bolero	WB62E/3771	Majaffar Rahaman	973302579
Bolero	WB61A/1105	Nikhil Singha Roy	9635022322
XUV500	WB74Y/8736	Pranab Mohanta	9734908347
TAVERA	WB74J/2269	Goutam Basak	9474072946
Bolero	WB62F/2619	Praksh sil	9733461394
Bolero	WB62B/9510	Santu Das	9933994400
Bolero	WB62B/4010	Santu Das	8942941356
Bolero	WB62E/8066	Ratan Barman	9733077376
Bolero	WB62B/2890	Ashok Sahu	
Ambassador	WB62A/4649	Sagar Mukharjee	8768218444
JCB		Pranab Mohanta	9734908347

**Boat Owners Contact Number, Mobile Mobile**

Sl. No.	Name of the boat owner	Type of Boat	Address	Location of the Boat	Mobile No.
1	Srinath Cowdhury	Medium Country Boat	Chadpur - Kuraha	Chadpur Ghat under Deor G.P.	

2	Paresh Das S/o Jogesh Das	Medium Country Boat	Radhanagar	Radhanagar Ghat	8116309289
3	Raichran Das S/o Lakshmi Kanta Das	Medium Country Boat	Radhanagar	Radhanagar Ghat	8609820319
4	Nagen Das S/o Bipin Das	Medium Country Boat	Radhanagar	Radhanagar Ghat	8436247914
5	Nihar Halder	Medium Country Boat	Behatair	Tajpur Ghat	
6	Nabanu Das S/o Futa Das	Medium Country Boat	Beltara		973329036
7	Jogesh Das S/o Lt. Liluram Das	Medium Country Boat	Radhanagar	Radhanagar Ghat	9733228413
8	Jyotish Roy S/o Jogen	Medium Country Boat	Munglishpur		9733080408
9	Krishnapada Das S/o Haren Das	Medium Country Boat	Beltara		9733290365
10	Shibnath Das S/o Panonath Das	Medium Country Boat	Beltara		9733290365
11	Nikhil Ch. Halder	Medium Country Boat			6296177937
12	Sankar Choudhury	Medium Country Boat with Motor	Safanagar Brahmapur Ghat	Safanagar Brahmapur Ghat	
13	Nirmal Chandra Halder S/o Nripendra Halder	Medium Country Boat	Chak Behatair	Behatair Ghat	
14	Nihar Halder S/o Nripendra Halder	Medium Country Boat	Chak Behatair	Behatair Ghat	
15	Ranjit Halder S/o Lt. Sudarshan Halder	Medium Country Boat	Vill. Balupara under Ramkrishnapur G.P.	Fooldaha (Jayantihar ) Khari	8945568466
16	Kanai Halder	Medium Country Boat	Vill. Balupara under Ramkrishnapur G.P.	Fooldaha (Jayantihar ) Khari	8945568466
17	Niranjana Halder S/o Lt. Nilkanta Halder	Medium Country Boat	Vill. Balupara under Ramkrishnapur G.P.	Majhian Khari under Bhour G.P.	8945568466
18	Bishnupada Halder	Medium Country Boat	Vill. Balupara under Ramkrishnapur G.P.	Dhadalpara Khari ( Shib Bari)	8945568466
19	Basudeb Halder	Medium Country Boat	Vill. Balupara under Ramkrishnapur G.P.	Dhadalpara - Balupara Ghat	9635794922
20	Ranjit Halder S/o Lt. Sudarshan Halder	Medium Country Boat	Vill. Balupara under Ramkrishnapur G.P.	Fooldaha (Jayantihar ) Khari	8945568471
21	Sudhir Halder	Medium Country Boat	Vill. Balupara under Ramkrishnapur G.P.	Gopalganj Bazar Khari	7001994501
22	Kamal Halder	Medium Country Boat	Dhadalpara		

**Following is the list of recognized Voluntary organizations in the Block:**

**Name of the organisation Address Telephone**

1. Madhyaramkrishnapur Graamin Unnayan Samity – Mijanur Rahaman – 9733385495
2. Bolla Janakalyan Samity – Swapan Choudhury 9002393887



3. Molladighi Rural Development Society – Chittaranjan Roy – 9733296517
4. Anukul Bharat Mission - Arup Sarkar – 9547358908

**Evacuation Camps:**

Name of G.P	Name of Rescue / Flood Shelter	Accommodation Capacity of people of Rescue / Flood Shelter	Area Covered in Rescue / Flood Shelter	Distance from Rescue / Flood Shelter (In K.M)	Nature of Communication	Contact No.
Safanagar	1.Amuliya flood Shelter	150	Tara	2	Pucca Road	
			Amuliya	Same Village	Pucca Road	
			Shibpur	1	On foot	
	2.Elendary High School	800	Chakrasail	0.5	Pucca Road	
			Elendary	Same Village	Pucca Road	
			Azadpur	1.5	Pucca Road	
	3.Kulahori F.P School	125	Kulohori	Same Village	Pucca Road	
			Kamdebpur	1	Pucca Road	
	4. Kusumtara F.P School	145	Kusumtara	Same Village	On foot	
			Harishchandrapur	1	On foot	
	5.Chandganj F.P School	130	Buribar	0.5	On foot	
			Chandganj	Same Village	Pucca Road	
	6. Safanagar High School	700	Safanagar	Same Village	Pucca Road	
	7. Sahajadpur F.P School	125	Sahajadpur	Same Village	Pucca Road	
			Mirjapur	1	On foot	
8. Kumarganj High	1500	Kumarganj	Same Village	Pucca Road		

	School					
Samjhiya	1. Samjhia G.P Office	115	Samjhia	1.5	Pucca Road	
			Bhomor	0.5	Pucca Road	
			Nabagram	1.5	Pucca Road	
			Raynanda	0.25	Pucca Road	
	2. Daudpur F.P School No.-1	110	Krishnapur	0.25	Pucca Road	
			Daudpur (Partly)	Same Village	Pucca Road	
	3. Angina Borait High School	800	Borait	0.5	On foot	
			Angina	1.5	On foot	
			Chakjayanti	1	Pucca Road	
	4. Basanti Madrasa	565	Basanti	Same Village	On foot	
			Thalsama	1	On foot	
			Deun	1.5	On foot	
			Kutubpur	2.5	Pucca Road & On foot	
	5. Rasulpur flood Shelters	212	Rasulpur	Same Village	Pucca Road	
			Neona	1.5	Pucca Road	
	4. Daudpur F.P School No. 2	110	Daudpur (Partly)	1.5	Pucca Road	
			Majhina	2	On foot	
			Subarnasahid	3	Pucca Road	
	5. Sundarpur Girls'	300	Katla	3	Pucca Road	

	Madrasa					
			Kanura	4	On foot	
			Sundarpur	1.5	On foot	

Name of G.P	Name of Rescue / Flood Shelter	Capacity of people of Rescue / Flood Shelter	Area Covered in Rescue / Flood Shelter	Distance from Re scue / Flood Shelter (In K.M)	Nature of Communi cation	Contact No.
Jakhirpur	1. Kalna Rajdhara F .P School	125	Rajdhara	0.5	Pucca Road	
			Kalna	Same Village	Pucca Road	
	2. Kalna Bholanathpur F.P School	115	Charkhanda	0.25	Pucca Road	
			Bramhanpara	Same Village	Pucca Road	
			Bholanathpur	0.25	Pucca Road	
	3. Chakmohon F.P School	100	Chakmohon	Same Village	Pucca Road	
			Doraha	0.25	On foot	
			Kokati	1	On foot	
	4. Jakhirpur High School	222	Jakhirpur	Same Village	On foot	
			Sahabajpur	0.5	On foot	
	5. Bolta F.P School	110	Bolta	Same Village	Pucca Road	
	6. Menapur F .P School	95	Menapur	Same Village	On foot	
	7. Jakhirpur GP Office	250	Tulat	Same Village	Pucca Road	
			Shibrampur	0.25	On foot	
Kashiyara			0.5	Pucca Road & On foot		
8.Uthrail	120	Horipur	0.25	On foot		

	F.P School		Bhagabanpur	0.25	On foot	
			Uthrail	Same Village	On foot	
	9. Munsipur F.P School	90	Munsipur	Same Village	On foot	
			Debipur	0.25	On foot	
			Setair	0.25	On foot	
	10. Arab Badkanai High Madrasa	800	Badkanai	Same Village	On foot	
			Enatullapur	0.25	On foot	
			Darajpur	0.25	On foot	
	11. Manjurichak Raikhan High School	1000	Raikhan	0.25	Pucca Road	
			Uchait	0.25	On foot	
			Enatullapur Manjurichak	0.5	On foot	
			Dattamati	1	On foot	

### INCIDENT RESPONSE TEAM - KUMARGANJ BLOCK, DAKSHIN DINAJPUR

RESPONSE OFFICER & INCIDENT COMMANDER BLOCK DEVELOPMENT OFFICER	Sri Debdatta Chakraborty, Block Development Officer
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SAFETY OFFICER (Disaster Specific) OC/BMOH/Asst. Director.....	Sri ....., , Officer In - Charge Kumarganj Police Station, Sri Pushpendu Bhattacharya B.O.M.H., Kumarganj Rural Hospital
OPERATIONAL OFFICER CHIEF - JOINT BDO	Sri Khem Sundar Mondal, Jt. B.D.O.
INFORMATION OFFICER BDMO, Asst. Programme Officer	Manish Chandra Sarkar, Sup. MDM (BDMO In Charge), Sri Sunil Chandra Mohanta, A.P.O.
liason Officer, BDMO	Manish Chandra Sarkar, Sup MDM (BDMO In Charge)

#### SEARCH & RESCUE BRANCH

Fire - Station Officer, Fire	Balurghat Fire Station
CD - Addl. D.C, CD	Kumarganj Police Station
Home Guard - Addl. SP	Kumarganj Police Station
WBNVF - Company Commandant, NVF	Kumarganj Police Station
Law & Order - IC/OC	Sri ....., Officer In -

	Charge Kumarganj Police Station,
Health - BMOH	Sri Pushpendu Bhattacharya B.O.M.H., Kumarganj Rural Hospital
Agriculture : Asst. Director, Agricultural	Anarul Islam, Asst. Director, Agriculture, Kumarganj
Roads - Asst. Engineer - PWD civil / electrical / roads	Asst. Engineer - PWD civil / electrical / roads, Dakshin Dinajpur
Electric : Station Manager WBSEDCL/CESC	Station Manager WBSEDCL/CESC, Kumarganj
TRANSPORT BRANCH, ARTO, SAE	Sri Binoy Biswas, SAE BPC, Kumarganj Block
RAIL UNIT - To be filled up by BDO	Balurghat Rly Station
WATER UNIT-To be filled up by BDO	Sri Binoy Biswas, SAE BPC Kumarganj Block
ARD-BLDO	Sri Mihir Kr. Ghosh, B.L.D.O. Kumarganj
Water Supply : AE-PHE, SAE	Sri Binoy Biswas, SAE BPC Kumarganj Block
MSME : IDO	
Education : SI-Secondary / Primary	Sri Sujit Kr. Mondal, S.I. of School, Kumarganj
Telephone : In-Charge- Tele. Exchange, BSNL	Officer In-Charge-Tele. Exchange, BSNL Kumarganj
Fishery : Fishery Extension Officer	Tanusree Maity, Fishery Extension Officer, Kumarganj Mob No. 9007794322
PLANNING SECTION CHIEF-Panchayet Dev. Officer	Sri Khem Sundar Mondal, Jt. Block Development Officer, Kumarganj Block & Asif Iktal, A.P.O.
SITUATION UNIT Panchayet Development Officer/ BDMO / OC-PS	Sri Khem Sundar Mondal, Jt. Block Development Officer, Sri Ullash Bhattacharjee, PDO Kumarganj Block , Sri ....., Officer In Charge, Kumarganj P.S., Sri Manish Chandra Sarkar, BDMO In Charge
RESOURCE UNIT BDMO, SAE	Sri Binoy Biswas, SAE BPC, Kumarganj Block & Sri Manish Chandra Sarkar, BDMO In Charge
DOCUMENTATION UNIT BIO, BDMO	Sri Nabarun Saha, BIO, Kumarganj, Sri Manish Chandra Sarkar, BDMO In Charge
DEMOBILIZATION UNIT SAE, Police Officer	Sri Binoy Biswas, SAE BPC, Kumarganj Block , Sri Partha Jha, Officer In Charge, Kumarganj P.S.
LOGISTIC SECTION CHIEF - Joint BDO	Sri Khem Sundar Mondal, Jt. Block Development Officer, Kumarganj Block ,
SERVICE BRANCH	Sri Abdur Rashid Miah, EOMEE, Smt. Priyanka Tamang, Ins. BCW
COMMUNICATION UNIT SAE, BDMO	Sri Binoy Biswas, SAE BPC, Kumarganj Block , Sri Manish Chandra Sarkar, BDMO In Charge
MEDICAL UNIT 2nd MO, BPHC	2nd Medical Officer, Kumarganj Rural Hospital
FOOD UNIT Inspector - FS	Sri Rajendra Oraw, Inspector, F &S, Kumarganj
SUPPORT BRANCH	Sri Abdur Rashid Miah, EOMEE, Smt. Priyanka Tamang, Ins. BCW
RESOURCE PROVISIONING UNIT SAE	Sri Binoy Biswas, SAE BPC

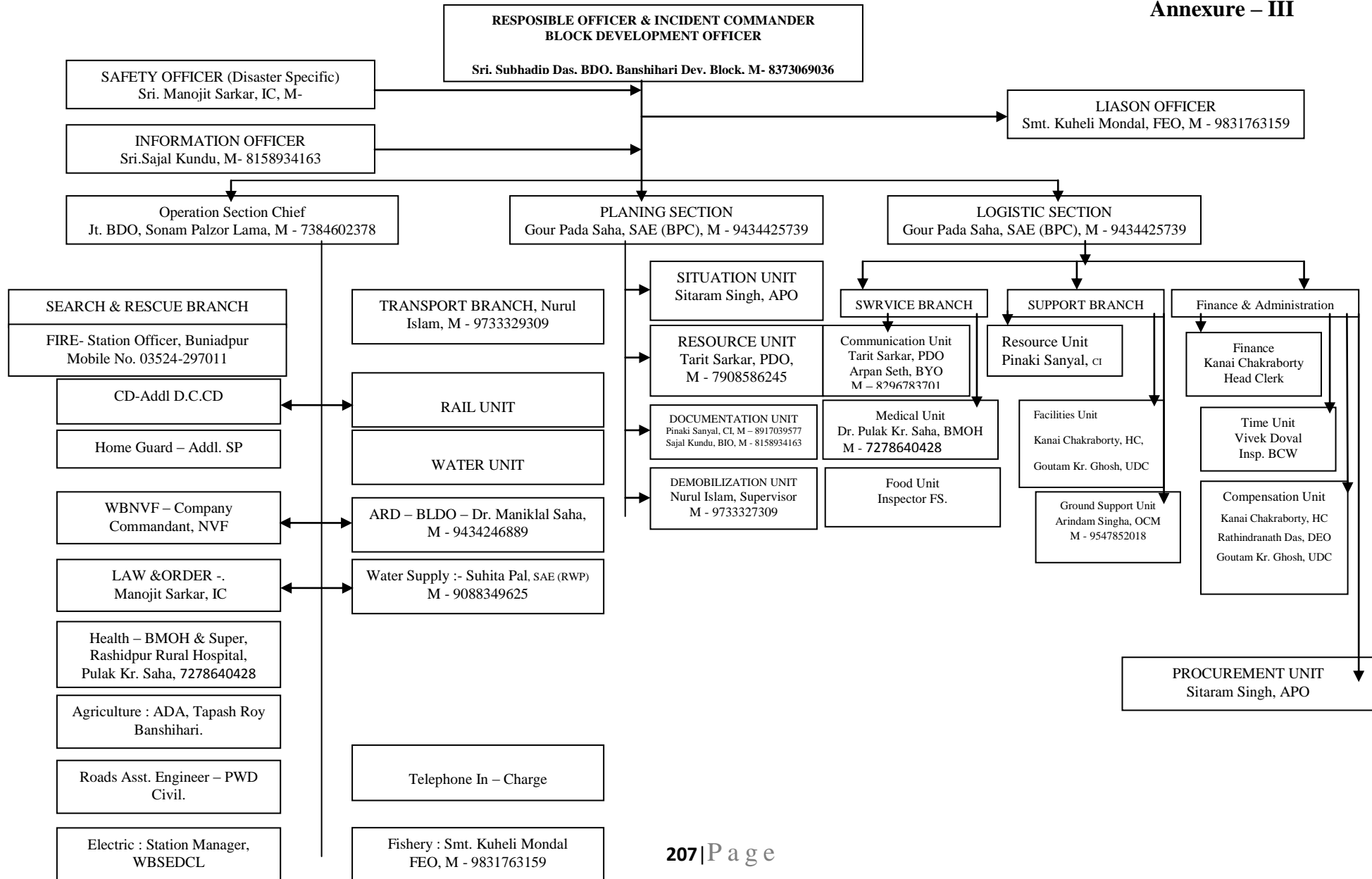
FACILITIES UNIT Dy. Secretary Panchayet Samity, SAE. Sanitary Inspector	Sri Pankaj Sinha, Dy. Secretary in charge, Kumarganj Panchayet Samity, Sri Binoy Biswas, SAE BPC, Sanitary Inspector, Kumarganj
GROUND SUPPORT UNIT SAE	Sri Binoy Biswas, SAE BPC
<b>Finance &amp; Administration</b>	
FINANCE BRANCH Panchayet Account & Audit Officer / Accountant	HC, Sri Khem Sundar Mondal, Jt. BDO,, Sri Biswajit Samajdar, HC,
TIME UNIT Police Officer	SAE, Sri Binoy Biswas, SAE BPC, Sub Inspector, Kumarganj Police Station
COMPENSATION UNIT PDO, APO, Accountant, CI, ADA, BDMO, FEO, IDO	Sri Khem Sundar Mondal, Jt. BDO, Sri Ullash Bhattarjee, PDO Kumarganj Block , Sri Biswajit Samajdar, HC, Sri Arindm Chakraborty, C.I., Sri Anarul Islam, ADA, Sr Manish Chandra Sarkar, BDMO In Charge
PROCUREMENT UNIT SAE, HC, Cashier	Sri Binoy Biswas, SAE BPC, Sri Biswajit Samajdar, HC, Sri Ramkrishna Paul, Cashier, Kumarganj Block

# PLAN OF KUMARGANJ DEVELOPMENT BLOCK

## MANAGEMENT PLAN – 2019

### INCIDENT RESPONSE TEAM – Banshihari

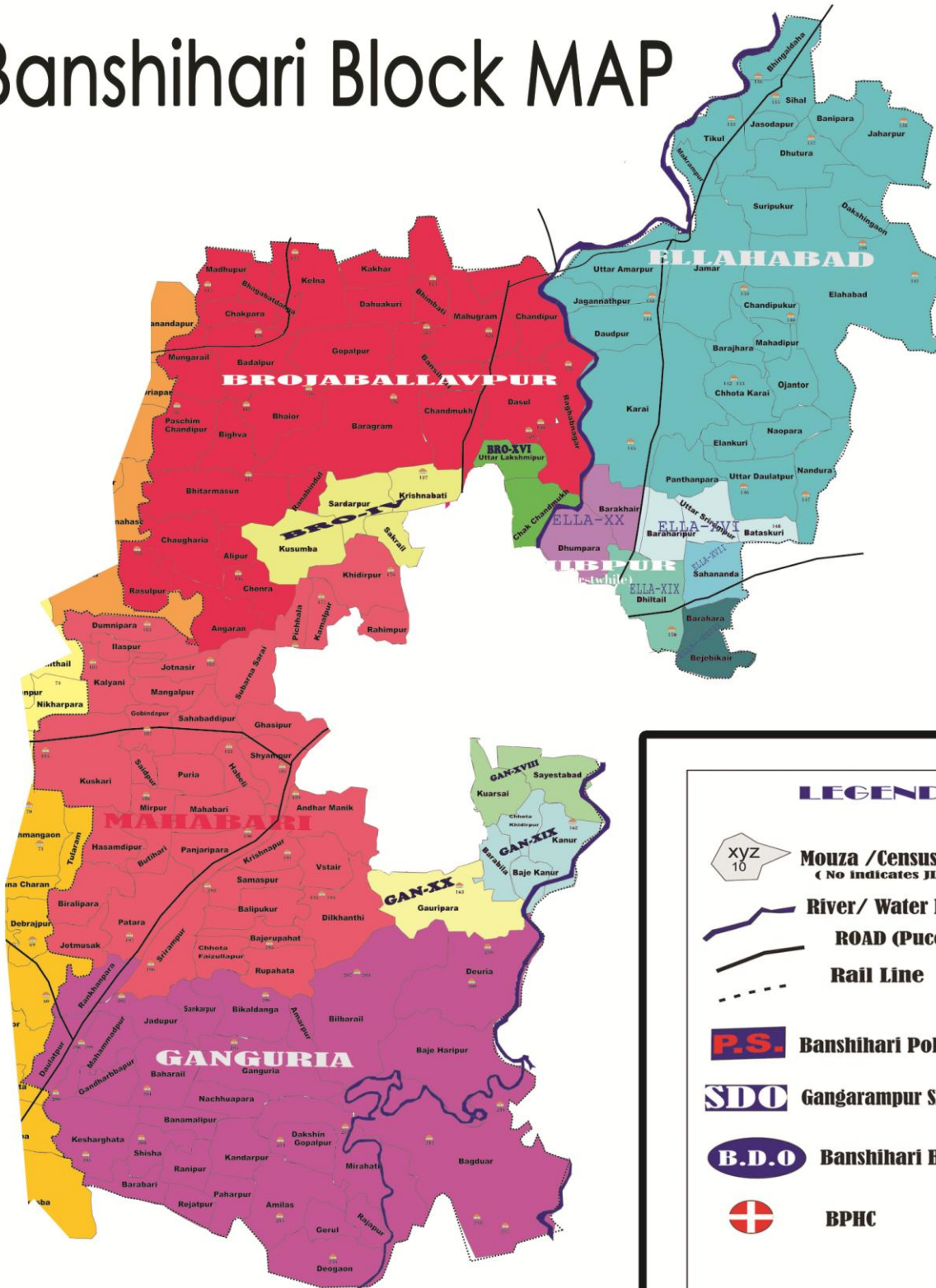
**Annexure – III**





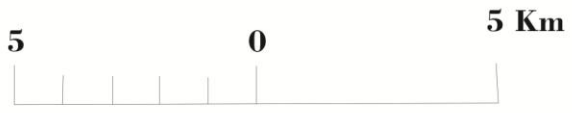


# Banshihari Block MAP



**LEGEND**

- Mouza /Census Village (No indicates JL No)
- River/ Water Bodies
- ROAD (Pucca)
- Rail Line
- P.S.** Banshihari Police Stn.
- SDO** Gangarampur SDO Office
- B.D.O** Banshihari BDO Office
- BPHC**



## Foreword :

Disasters, both natural and man-made, are likely to occur all at once affecting normalcy of both human and animal life as well as causing damages to socio-economic, mental, political and cultural life of the people of the affected areas. To mitigate the virulence and also to cope up with such situation the local administration, Panchayati Raj Bodies with the help of the line departments should be equipped with due preparedness.

The economic structure of Banshihari Development Block mainly depends on agriculture, agri- allied activities and livestock development. Some of the areas of this block are flood prone. Heavy rainfall with excess water carried by the small rivers causes inundation of the low lands affecting both agril lands and poor people.

This plan has been prepared to mitigate any kind of disaster like flood, cyclone, water logging, accidental fire, road accident, house collapse etc.

All these plans may become fruitful only if whole hearted co-operation from all corners are extended and we eagerly look forward for such co-operation.

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## MULTI-HAZARD DISASTER MANAGEMENT PLAN

### WHY IS IT:

With the advancement of human civilization the more urbanisation is taking place the more imbalance is created in the nature. Due to this increasing imbalance of nature the whole world is facing numerous disasters. Our block which is situated on the bank of river Damodar and the river being silted year after year due to lack of flow of water is always under the threat of flood. On the other hand lifting of sand from the river bed in the unscientific manner may also cause dangers to its embankment at the same time to the inhabitate area. This plan is being prepared mainly to create awareness in the people's representatives and Government employees in particular and the common people in general. This plan may guide all of us to help people in distress.

### OBJECTIVE

To minimise the effect of natural calamity and save the life and property of the common people through creation of awareness of the general public through training, publicity, Mock Drill etc.

### DISASTERS

Types of Disasters : (Experienced in the Block) : Flood like situation covering almost entire Block area of Banshihari during the month of August-September, 2017. Most affected Gram Panchayats are Ellahabad, Ganguria, Brojaballavpur and Mahabari respectively. Not only that, barring two Wards, all other twelve wards of newly formed buniadpur Municipality was also affected.

Common Natural Disasters	Man Made disasters
Cyclone	Fire-House
Flood	Accident – Road
Heat Wave-Sunstroke	
Hail Storm / Whirl wind	
Tornado	

**Who formulates and Carries out the plan:** - Block Development Officer, Banshihari, on behalf of the Block Level

Disaster Management Committee prepares the Plan.

**Banshihari Block Disaster Management Committee :**

Sl. No	Name	Designation	Address	Phone Number
				Office
1.	Rina Sarkar-Sabhapati, -Banshihari Panchayat Samiti.	Chairman	Banshihari, DakshinDinajpur	03524-259322; 9434130887
2.	Subhadip Das, B.D.O., Banshihari Block	Vice Chairman	Banshihari, Dakshin Dinajpur	03524-259322; 8373069036
3.	Ganesh Prosad, Saha-Sabhapati, Banshihari Panchayat Samiti.	Member	Banshihari, Dakshin Dinajpur	9679744467
4.	Sonam Palzor Lama, Jt. B.D.O Banshihari Block.	Member	Banshihari, Dakshin Dinajpur	7384602378
5.	Michel Mardi, Member, D.Dinajpur Z.P.	Member	Banshihari, Dakshin Dinajpur	9434155102
6.	Rafikul Islam, Member, D.Dinajpur Z.P.	Member	Banshihari, Dakshin Dinajpur	9932146276
7.	Mousumi Barman, Karmadhyakkshya, Nari-O-Sishu Unnayan, Janakalyan-O-Tran Sthayee Samiti, Banshihari P.S.	Member	Banshihari, Dakshin Dinajpur	7864986486
8.	Pulak Kr. Saha, BMOH/ Medical Officer, Rashidpur PHC	Member	Rashidpur, Dakshin Dinajpur	7278640428
9.	Inspector-in-Charge, Banshihari Police Station	Member	Banshihari, Dakshin Dinajpur	9434154362
10.	Station Supdt., Buniadpur Gr. Electric Supply.	Member	Buniadpur, Dakshin Dinajpur.	7449301565
11.	Junior Telecom Officer, ----- -----	Member		
12.	Maniklal Saha, Block Live-Stock Dev. Officer, Banshihari Block	Member	Buniadpur, Dakshin Dinajpur	9434246889
13.	Sub-Asstt. Engineer-in-Charge, Gangarampur Sub-Divn. PHE	Member	Dakshin Dinajpur	
14.	Inspector, Food & Supply, Banshihari Block	Member	Buniadpur, Dakshin Dinajpur	7797457759
15.	Tapas Roy, Additional Director of Agriculture, Banshihari Block	Member	Buniadpur, Dakshin Dinajpur	7063783860
17.	Sectional Officer, Irrigation, Gangaramur	Member		
18.	Smt. Kuheli Mondal, Block Disaster Management OfficerBanshihari Block	Member- Convenor	Buniadpur, Dakshin Dinajpur	9831763159

**Overview of the Block :**

Location : Vill & P.O. – Buniadpur-, Dist. D. Dinajpur, P.S. – Banshihari,Sub-divisionGangarampur.

**Demographic Details : (as per census 2011)**

Sl. No.	Name of the Block	Total Number of HH	Population			Category			
			Adult	Children <5 yrs.	Total	SC	ST	OBC	GEN
1.	Banshihari	32070	124107	17179	141281	37506	31017	72763	

**Household Details :**

Sl. No.	Name of the Block	No. of APL HH					No. of BPL HH				
		ST	SC	OBC	GEN	TOTAL	ST	SC	OBC	GEN	TOTAL
1.	Banshihari					17069	2352	2409	1829	9048	15638

**Population:**

Sl. No.	Name of the Block	SC		ST		OBC		GEN		TOTAL	
		M	F	M	F	M	F	M	F	M	F
1.	Banshihari	1933	18176	15366	1565					72161	69125
		0			1	<b>TOTAL :</b>					

**Literacy Rate in Percentage:**

Male	Female	Total
79.54	66.32	72.93

**Topographical Details :****Climate and Rainfall :**

Sl. No.	Month	Average Rainfall(in mm)	Actual Rainfall(in mm)
	January,18		34.8
	February,18		0.0
	March,18		92.2
	April,18		191.2
	May,18		136.4
	June,18		93.2
	July,18		344.0
	August,18		526.8
	September,18		68.8
	October,18		147.2
	November,18		0.0
	December,18		0.0

**Total : 1645 mm****Rain Recording Stations :**

1. Total No. of Rain Recording stations in the Block –One.
2. Location of Rain Recording stations – It is situated at Buniadpur.

Telephone Numbers of the Rain Recording stations –

**Geographical Area (in Hect.) :**

Sl. No.	Name of the Block	Agricultural Land (ha)			Grazing land	Forest Land (ha) (Social Forestry)	Water area	Others	Total area
		High	Medium	Low					
<b>1.</b>	<b>Banshihari</b>	<b>27110</b>				<b>678.2 ha</b>			

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

Sl. No.	Name of the Block	Big Farmers	Marginal farmers	Small Farmers	Agricultural labours	Bargadars	Total
<b>1.</b>	<b>Banshihari</b>						

**Crop Pattern:**

Sl. No.	Name of the Block	Type of Crops	Area Cultivated (in Hect.)	Area under Crop insurance (in Hect.)
1	<b>Banshihari</b>	Aus Paddy	Nil	
2		Aman Paddy	11,000	
3		Boro Paddy	4650	
4		Jute	280	
5		Mustard	3900	
6		Wheat	2200	
7		Potato	900	
8		Pulse	35	
9		Musur	165	
10		Motor	22	
11		Khasari	0	
12		Vegetables	85	
13		Bhadoi	0	
14		Summer	110	
15		Til	06	

**Livelihood Details:**

Name of the Block	Total house holds	Agriculture	Agricultural labour	Other Labour	Fishing		Household Industries	Service holder	Others (specify)
					Sweet water	Saline			
<b>Banshihari</b>									

**Drinking Water Sources :**

Name of the Block	Tube Well		Well	PHE Stand	Sajal Dhara
	Functional	Defunct			
<b>Banshihari</b>	<b>2352</b>	<b>325</b>	<b>Nil</b>		<b>0 ( Defunct)</b>

**River & Creeks :**

Sl. No	Name of the river/creek	Name of the Place	Danger Point
1.	Tangon	Bhingoldaha (Ellahabad G.P.) to Rajapur ( Ganguria G.P.)	Entire Stretch.

**List of Embankments :**

Sl. No	Name of the embankments	Type of Embankments	Length of Embankments
1.	Bilborail Embankment	Earthen Embankment	7.5 km.
2.	Sihole Embankment	Earthen Embankment	2 km.
3.	Korai Embankment	Earthen Embankment	2 km.
4.	Deuria Embankment	Earthen Embankment	3 km.

**River Carrying Capacity;**

Name of the River	Gauge Station	Zero Level (in Mts.)	Danger Level (in Mts.)		
			PDL	DL	EDL
Tangon	Bansihari Location- P.W.D. RoadBridge Near P.W.D. Office.	21.55 M	25.0 M	25.60 M	26.21 M

**Minor Irrigation Projects :**

Sl. No.	Particulars	<u>Numbers</u>
1.	D.T.W	3
2.	STW	Nil
3.	RLI	34
4.	Submersible	01

**Irrigation Facilities and Sources:**

Name of the Block	Ponds	Dug Wells	LI Points	Drift/Shallow TW/RLI/Subm.			River	Creeks	Canal
				DTW	RLI	Subm			
Bansihari		Nil		03	34	01	01	01	04

**Infrastructure (Nos. AND/OR distance in Kms.)**

Sl. No	Name of the Block	PDS Outlets	Sub Post Offices	Police Station / Outpost	Pucca Buildings	BPHC	PHC	Dispensary + Clinic	Cyclone Shelters	Educational Institutions				Livestock centers	Cottage Industries	Industries	Godown
										Pri.+ SSK	High Mad.	U p. Pr i.	Coll ege				
<b>1.</b>	<b>Banshihari</b>	<b>28</b>	<b>01</b>	<b>01</b>		<b>01</b>	<b>02</b>	<b>05</b>	<b>0</b>	<b>163</b>	<b>03</b>	<b>16</b>	<b>01</b>	<b>5</b>			<b>7</b>

**Industries:**

Name of the Block	Name & Number of the Industries	Government/ Private	Type of Industry	Power employed per Industry	Infrastructure available	Investment	Production	Insured or not
<b>Banshihari</b>	<b>Cold Storage</b>	<b>Private</b>	0					
	<b>Rice Mill</b>		01					
	<b>Shaw Mill</b>		04					
	<b>Engineering Job Work</b>		03					
	<b>Bakery</b>		03					
	<b>Wheat Grinding</b>		0					
	<b>Husking</b>		05					
	<b>Oil Crushing</b>							
	<b>Cement Pipe &amp; Jafri</b>							
	<b>Wooden Furniture</b>		10					
	<b>Rice Oil Factory</b>							
	<b>Brick Field</b>		10					

**Financial Institutions: (Bank)**

Sl. No.	Name of the Institution	Address	Telephone Number
1.	S.B.I.	Buniadpur	
2.	S.B.I.	Patharghata	
3.	BGVB	Jordighi	
4.	BGVB	Sihole	
5.	BGVB	Daulatpur	
6.	Bandhan Bank	Rashidpur	
7.	Raiganj Central Co-Op. Bank	Buniadpur	
8.	ALO Mahila Samabay Bank	Buniadpur	

**Communication Facilities:**

Sl. No.	Name of the Block	Tele-communication (Y/N)	No. of Boats		No. of Bus		No. of Trekker		No. of Tractor		No. of Jeeps		No. of Two Wheelers	
			G	P	G	P	G	P	G	P	G	P	G	P
1.	<i>Banshihari</i>	03524-259322	<b>Nil</b>											

**Power station and electric installation:** Power station at - --Buniadpur sub-Station at Buniadpur...

**Transport and communication network – Transport – Bus, Truck, Tractor, Trekker, other Four Wheelers and Two Wheelers.**

High Way : 25 - Km.

PWD : 30 - Km.

PWD (Roads) : 10 Km.

Z.P (Metalled) : 25 Km.

P.S (Metalled) : 40 Km.

PMGSY : 50 Km.

Z.P ( Un-metalled) : 60 Km.

P.S ( Un-metalled) : 70 Km.

G.P ( Un-metalled) : 140 Km.

**Resource Inventory / Capacity Analysis:**

Resource Type	Details	Number	Government / Private	Contracts/Owner's name with Telephone No.
Transportation and Communication	Tractor	1.WB-59 A/2417; 2. WB-61/0416; 3. WB-61A/3360; 4. WB-61 A/2436; 5. WB-59 A/4546; 6. WB-59/9689	Private	1. Tarjan Ali-8207028392; 2. Tarjan Ali-8207028392; 3. Tarjan Ali-8207028392; 4. Sukumar Karmakar-9735090985; 5. Sukumar Karmakar-9735090985; 6. Kanai Ram Molla ph. No. 9932124282;
	<b>Trekker</b>	_____	<b>Private</b>	_____
	<b>Trolley, Rickshaw</b>		-	
	<b>Four wheeler</b>	-	-	



	Boats	3	Private	1.Goutam Mandal, Ph. No. 9733310979, Size 15 X 6; 2. Tipu Singha of Mahabari, Ph. No. 9474443818, Size 15 X 6; 3. Bijoy Singha, Ph. No. 9775879535,  Madhu Haldar of Buniadpur; 2.Paban Mistri of Ellahabad; 3. Ananda Haldar of Brajaballavpur; 4. Samiruddin Shekh of Ganguria; 5. Abhijit Mandal of Mahabari.
	Telephone	-	-	
	<b>Any other</b>	-	-	
Containers	<b>Tankers</b>	-	-	
	<b>Overhead tanks</b>	-	-	
	<b>Jerry canes</b>	-	-	
	<b>Big vessels</b>	-	-	
Cleaning and Cutting Equipments	Kodi	-	-	
	Sabala.	-	-	
	Kudala	-	-	
	Rope	-	-	
	Big Saw	-	-	
Other Resources	Generator set	-	-	1. Dilip Kumar Singh Roy of Buniadpur– Mob : 9733247941
	Pump Set	-	-	
	Petromax	-	-	
	Tent house	-	-	
	Gas light	-	-	
	Solar Light	-	-	
	<b>Bio-gas</b>		<b>Pvt.</b>	
Temporary Shelter	Tents	-	-	
	<b>Tarpaulin s/Polythene s</b>	-	-	
	<b>Bamboo</b>	-	-	

Emaergency Contingency Plans -- Banshihari Block												
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
Sl. No.	Name of the Block	No. Of population as per 2011 Census	Present Population (Col. 3+20%)	Amount of food Materials (in KG) per day						Medicines per Week		
				Chira @200 gms. / Head	Gur (@50 gms/Head)	Rice (@250 gms / Head)	Dal @ 25 gms / Head)	Salt (10 gms / Head)	K. Oil (50 ml / head)	ORS in Packet / Head	Halogen Tabs. (7 tabs / Head)	Bleaching Power in KG (50 Gms / Head)
1.	Banshihari	1,41,281	1,56,181	3123 6.2 KG	780 9 KG	39045 KG	3904 KG	1561 KG	7809 Ltr.	1093 267	1093 267	7809 KG

#### Storage facilities with capacity:

Sl. No.	Type of storage structure	Location	Capacity	Contact Person	Address & Phoneno.(Office)
1.	Block Relief Godown	Banshihari	200 Mt (approx)	Kuheli Mondal	Banshihari, 9831763159
2.	Block Agril. Godown	Banshihari	175 mt(approx)	Tapas Roy, ADA, Banshihari	Banshihari, 7063783860
3.	G.P. Godown	Mahabari/ Patharghata	80 Mt( approx).	Noorjahan Khatun	9609484401
4.	G.P. Godown	Ellahabad	100 Mt( approx)	SulikaMurmu	7557825558
5.	G.P. Godown	Brajaballavpur	70 Mt( approx)	Sarathi Roy	8370928218
6.	G.P. Godown	Ganguria	75 Mt ( approx)	Bhupal Thakur	9593728014

#### Public Distribution System:

Name of G.P	No. of PDS	Name of M.R Dealer	Address/Location	Telephone No.Office / Res./Mobile	Remarks
Shibpur (erstwhile, as shown in database)	07	Dulal Chandra Chowdhury	Shibpur	9434985937	Municipality
		Ebaruddin Ahammed	Sayestabad	9733012316	Ganguria
		M/s : S.K. Das & Partner	Uttar Buniadpur	9563564472	Municipality
		Sunil Kr. Saha	Rashidpur	9434207347	
		Matilal Das	Barail	973307965	
		Pravat Chakraborty	Dakshin Buniadpur	9434425103	
		Utpal Ghosh	Dhitolhat	7031974080	Ellahabad

Name of G.P	No. of PDS	Name of M.R Dealer	Address/Location	Telephone No. Office / Res./Mobile	Remarks
Brajaballavpur	06	Dulal Chandra Kundu	Jordighi	9609744864	
		Uttam Ghosh	Dighi Banshihari	9735004850	
		Subal Chandra Sarkar	Baragram	9800162994	
		R.B. Das & Partner	Jurahar	7407629094	
		Banani Bose	Badalpur	9800369167	
Ellahabad	06	N.P. Saha	Sihole	9775994492	
		Sita Sarkar	Karai	9733270396	
		Moslem Ali	Gayenpara	9083207351	
		Md. Matiur Rahaman	Jaharpur	9734988145	
		G.B. Roy & Partner	Jamar	9733360752	
Ganguria	04	Mahendranath Roy	Nowpara	9474439902	
		Prabhuram Chowdhury	Deoria	9733032129	
		Binoy Kr. Das	Mirahati	9002335524	
		Nonibala Roy	Banamalipur	9734136739	
Mahabari	05	Mirarani Sikdar	Daulatpur	9734136739	
		S.K. Mandal & Partner	Patharghata	9733261859	
		Kalyani SKUS	Kalyani	9775908317	
		Bhabesh Chandra Pradhan	Malam	9932328365	Municipality
		Debasish Roy	Kashimpur	9733405069	
		Anil Kr. Hazra	Patra	9932513774	

**PHC / PHC New:**

PHC / PHC New	Name of the G.P. (Location)	Staff Available
Badalpur PHC	Brajaballavpur	AMO, GNM, GDA

**Police Stations:**

Police Station	Name of the G.P. (Location)	Staff Available
Banshihari	Buniadpur Municipality	<b>I.C., S.I. ( 04) ASI(08), Constable ( 20), CIVIC (455)</b>

**Sub Post Offices :-**

Name of the Block	Location	No. of Staff Available
Banshihari	1. Buniadpur	N/A

**Fire Station Information: at Gangarampur, Mob. No. : 03521-256800, One Office and Station has been constructed at Banshihari, yet to go operational.**

Sl. No.	Name of the fire station	Telephone Number	Disposition of Vehicle & Pumps	Disposition of Man Power.
1.	<b>Buniadpur (Banshihari)</b>	<b>03524 -297011</b>	<b>Not available</b>	

**Identification of rescue shelter for Heavy rain / water logging / flood / Cyclone / Earthquake /Hails Storm / Fire accident/ etc. (single / double storied) with capacity :**

Sl. No	Type of shelter	Capacity (Room , Plinth Area and accomodation)	Location (School name,Village, )	Contact Person (Address, Phone No and mobile no with an alternative person's No.)	Facilities Available (Electricity,Drinking water and sanitation )	Remarks (Single or Double)
1	Flood Shelter at Bagduar	16000 sq. ft.	Bagduar under Ganguria G.P.	Panjab Choudhury, Pradhan Mob : 9733370790	Yes	Double
2	F.P. School	1200 sq. ft.	Ghasipur under Mahabari G.P.	Ganesh Mandal, 9733354950	Yes	Double
3	F.P. School	1200 sq. ft.	Dilkanthi under Mahabari G.P.	Mankhushi Singha, 8348565755	Yes	Double
4	F.P. School	1200 sq. ft.	Dhumsadighi under Mahabari G.P.	Swapna Sarkar, 8389943041,	Yes	Double
5	F.P. School	2000 sq. ft.	Sudarshannagar GSFP under Mahabari G.P.	Mrinal Singha Roy, 9474424559	Yes	Double
6	High School	12000 sq. ft.	Kushkari KBBS under Mahabari G.P.	Bimal Kr. Datta, 9474016085	Yes	Double
7	High School	15000 sq. ft.	Sudarshannagar PHHV under Mahabari G.P.	Nanigopal Roy, 9434422498	Yes	Double
8	SSK	800 sq. ft.	Andharmanik under Mahabari G.P.	Laxmi Tudu, 8670419826	Yes	Single

**Traders:**

Type of Traders	Contact person and address	Telephone Office /Resi./Mobile No
House building materials	Karmakar Enterprise, Patharghata	9735090985
Type of Traders	Contact person and address	Telephone Office /Resi./Mobile No
<u>Groceries</u>	1. Ranjan Ghosh, Patharghata. 2. Uttam Ghosh, Daulatpur,	9474318384 9734005596
<u>Medicine shop</u>	1. Sudam Mandal, Patharghata 2. Soumen Roy, Patharghata 3. Janata Medical, Buniadpur 4. Biplab Roy, Singadaha	9733314469 9933663672 ----- 9933949180
<u>Tents and Tarpaulins</u>	Karmakar Enterprise, Patharghata	9735090985
<u>Hardware shops</u>	1. Karmakar Enterprise, Patharghata 2. Manoranjan Das 3. Afsar Chowdhury 4. Nabin Sekh	9735090985 9733176230 ----- 9733133178
<b>Rice Mill</b>		
<u>Fuel wood</u>		-
<b>Electrical Equipments</b>	1. Arun Kumar Das	7908450760
<b>Restaurants</b>	1. Dipak Dutta	-
<b>Farm inputs</b>		-

**Transportation (Road and water):**

Type of Vehicles	Contact person and address	Government / Private	Telephone Office / Resi./Mobile No	Remarks.
<i>Tractors</i>	See Col. No. 3.1			Already enlisted col. No. 3.1
<b>Bus</b>	1. 2. 3. 4. 5. 6.	Private -do- -do- -do- -do- -do-		
<b>Truck / Mini truck</b>	1. Tarun Kanti Roy, Vill : Patharghata. 2. Durbadal Mahanta 3. Balai Mandal 4. Alok Saha 5. Bikash Mandal	Private -do-	9002590564 9593233454	1.-- 2.-- 3. Chandipur (BGP) 4. Jordighi (BGP) 5. Chandipur (BGP)
<i>Trekker</i>	See Col. No. 3.1	-	-	
<b>Country boats</b>	See Col. No. 3.1	-	-	
<b>Motor boats</b>	-	-	-	-

**Alternative energy sources (Bio-gas and Solar Energy Cells):**

Type of Sources	Contact person and address	Phone No/ Mobile No.	Remarks
<i>Bio-gas</i>	1. Nil 2. Nil 3. Nil		
<i>Generator</i>	See Col. No. 3.1	9734866623	-
<b>Pump Set</b>	Noted in the Gram Sansad Plan	-	-
<b>Solar Energy Cell</b>	Noted in the Gram Sansad Plan	-	-Nil.

**Private / Government Professional :**

<b>Expertise</b>	<b>Name</b>	<b>Specialist</b>	<b>Address</b>	<b>Phone No. /Mobile No</b>	<b>Service facilities available</b>
<b>Doctor (Private)</b>	<ol style="list-style-type: none"> <li>Goutam Mandal</li> <li>Sumen Roy</li> <li>Rakimuddin Ahammed</li> <li>Fajil Hossain</li> <li>Kamal Kanti Kundu</li> <li>Premananda Kundu</li> <li>Amar Sarkar</li> <li>Adhir Ch. Paul</li> <li>Shanti Choudhury</li> <li>Senti Sannyasi</li> <li>Suresh Ch Mandal</li> <li>Nirmal Roy</li> <li>Kalipada Bose</li> <li>Kalipada Hazra</li> <li>Goutam Paul</li> <li>Bistu Kanta Roy</li> <li>Ranjan</li> </ol>	<u>General Physician</u> -do-	<ol style="list-style-type: none"> <li>Krishnapur, Banshihari;</li> <li>Panjaripara, Mahabari</li> <li>Mahadipur, Karai</li> <li>Daulatpur</li> <li>Daulatpur</li> <li>Jordighi</li> <li>Jordighi</li> <li>Jordighi</li> <li>Jordighi</li> <li>Jordighi</li> <li>Badalpur</li> <li>Badalpur</li> <li>Badalpur</li> <li>Nowpara</li> <li>Nowpara</li> <li>Badalpur</li> <li>Vitor Masum</li> </ol>	9733322582 9933663672 9733219304 9614370409 9002151434 ----- ----- ----- ----- - ----- - ----- -- 9733010901 ----- - ----- - 9563494322 9735013524 8670998938 9733286266	
<b>Doctor (Government)</b>	<ol style="list-style-type: none"> <li>Plaban Mondal</li> <li>Maniruzzaman Saheb</li> </ol>	<u>Gn.Phys.</u> ----	<ol style="list-style-type: none"> <li>Rashidpur, Banshihari</li> <li>Nayapara, Karai</li> </ol>	9836491398 9831314936	
<b>Health Practitioner</b>	<ol style="list-style-type: none"> <li>Ranjit Singha</li> <li>Ananti Saha</li> <li>Bubbuli Mitra</li> <li>BanoshreeChakraborty</li> <li>Harishankar Roy</li> <li>Hajrat Sekh</li> <li>Dipak Chowdhury</li> <li>Manik Pramanik</li> <li>Sulal Kisku</li> </ol>	<u>Gn. Phy.</u> --- --- ---	<ol style="list-style-type: none"> <li>Rupahata, Banshihari</li> <li>Sahapara, Gangrampur</li> <li>Sihol, Sihol</li> <li>Rashidpur, Buniadpur</li> <li>Nowpara</li> <li>Bagduar, Singhadaha</li> <li>Deuria, Daulatpur</li> <li>Baharail, Daulatpur</li> <li>Gopalpur, Singhadaha</li> </ol>	9635064783 7501467747 9474438259 8337827122 9735969651 7797921203 9733460041 9547857658 9733270351	
<b>Ex-service man</b>	1.Joynal Abedin		1.Nowpara	9733348560	
<b>Mechanical / civil engineer</b>	1.Prakash Sarkar		1.Kushumba		
<b>VS ,VO ,Etc</b>	1.Amjad Ali		1.Kushumba		
<b>Volunteers trained in Rescue operation</b>					
<b>Volunteers</b>					

<b>trained in operating special equipments</b>					
<b>Volunteers trained in first aid</b>					
<b>Skilled Mechanics</b>					
<b>Drivers (Road)</b>					
<b>Motor Boat Drivers</b>					

**Risk / Hazard Analysis:**

**History of Disaster and Probability of Disaster episodes in the Block:**

Type of hazard	Year of Occurrence	Area affected	Impact on Life	Livelihood	Live stock Lost	Remarks (Damage Value of Govt. & Private Property)
<b>1. Flood/ Water logging</b>	<b>2010</b>	<b>312 Hec</b>	<b>2317 Families shifted to shelters</b>	_____	Cow-15, Goat-12	
	<b>2017</b>	<b>1280 Hec</b>	<b>Approx 9,500 Families shifted to shelters</b>	<b>04 Persons lost life due to flood like situation</b>	Cow-07, Goat-22, Birds-5,000 (apprx)	

**Seasonally of Hazard :**

Type of Hazards	Jan-Mar				April-June				July-Sep				Oct-Dec.			
	H	C	A	I	H	C	A	I	H	C	A	I	H	C	A	I
Cyclone									√	√	√	√				
Flood									√	√	√	√				
Sunstroke					√											
Fire					√	√	√	√								
Boat capsize																
Epidemic																
Accident																
Lightening									√	√	√	√				

H : Human, C: Crop, A: Animals, I: Infrastructure

**Risk Assessment:**

Type of Hazards	Time of Occurrence	Potential Impact	Vulnerable areas
Cyclone / Tornado	March to June & October to December	1. Area Affected – --- K.M. (Approx). 2. Crop Damage – ----- Hec. (Approx). 3. People affected – ----- (Approx) Number. 4. Total Damage value - Rs. ----- (Approx)	All areas under - Banshihari Block
Flood	September to October	1. Area Affected – --- K.M. (Approx). 2. Crop Damage – ----- Hec. (Approx). 3. People affected – ----- (Approx) Number. 4. Total Damage value - Rs. ----- (Approx)	More or less all areas under Banshihari - Block
Sunstroke	April to June		All areas under - Banshihari Block.
Fire	January to December		All areas under Banshihari Block.
Boat capsize	September to October		All areas under Banshihari Block.
Epidemic	April to September		All areas under Banshihari -Block.
Accident	January to December		All areas under - Banshihari -Block.
Lightening	January to December		All areas under - Banshihari Block.

**Vulnerability Analysis:**
**Infrastructure Vulnerability against Hazards**

Vulnerability	Vulnerability against each hazard							
	Cyclone		Flood		Chemical Industry		Fire	
	Pop ulation	Area name	Populat ion	Area name	Pop ulation	Area name	Popula tion	Area name
Road network			1) 4654 2) 1200	1)Makrampur, Jamar, Karai Colony, Dhumpara, Chakvola, Sihol, 2) Tepridaha				
Water ways			1) 1400	1)Deuria				
Water supply			1) 2587 2) 1100	1)Bhingaldaha, Shishiipukur, Mokrampur, Chakvola, Karai Colony, Jamar				



				<b>2) Bajeharipur</b>				
Sewage			<b>1) 970</b>	<b>1) Sayestabad</b>				
Hospital			<b>1)1000</b>	<b>1) Kanur</b>				
Food stocks & supplies			<b>1) 4654</b> <b>2) 1700</b>	<b>1) Doudpur F.P</b> <b>2) Gouripara</b>				
Communication (System)			<b>1) 1025</b> <b>2) 700</b>	<b>1) Boat</b> <b>2) Hialdaha</b>				
Embankments			<b>1) 2568</b> <b>2) 2000</b>	<b>1)Bhingaldaha,</b> <b>Shishiipukur,</b> <b>Mokrapur, Chakvola,</b> <b>Karai Colony, Jamar</b> <b>2) Singadaha</b>				
Bridges								

#### Identification of Weak and Vulnerable embankments:

Sl No.	Name of the Weak and Vulnerable embankment	Location	Reason of its vulnerability	Population likely to be affected
1.	1.Deauria 2.Tepridaha (Bagduyar) 3.Hiyaldaha 4.Sayestabad 5.Gouripara 6.Bajehoripur	1.Deauria 2.Bagduyar 3.Hiyaldaha 4.Sayestabad 5.Gouripara 6.Bajehoripur	Weak Embankment	12700
2.	7.Mokrapur 8. Jamar 9. Karai Colony 10. Dhumpara 11. Chakvola 12. Sihol	7. Shishipukur 8. Kaimari 9. Raypara 10. Dhumpara 11. Chokvola 12. Chhoto Sihol		8258

#### Alternate route structure :

Sl. No.	Vulnerable Area in connection with Flood/Water Logging.	Main route	Alternate route
1.	1.Daulatpur to Bagduyar 2. Ojantor 3. Barogram West, Barogram East, Chandmukh, Sardarpur	1.Daulatpur to Bagduyar 2. Bansihari to Nurpur 3. Nowpara to Mollapara SH- 10	1.Bagduyar to Patharghata via Bilborail 2. Nurpur to Ojantor 3. Nowpara to Narayanpur
2.	1.Buniadpur Pirtala to Bagduyar 2. Chakvola 3. Krishnabati, Kushumba, Vior, Bighua, Mungrail	1.Buniadpur Pirtala to Bagduyar 2. Bansihari to Jamar 3. ---	1. Buniadpur Gitimore to Sayestabad via Kanur & Gaouripara 2. Jamar to Chakvola 3. ---
3.	1.Shishipukur 2. Badalpur, Kelna, Chakpara, Madhyapara, Douakuri, Kakahar	1. Bansihari to Mokrapur 2. Badalpur to Jordighi PMGSY	1.Mokrapur to Shishipukur 2. Badalpur to Dhumsadighi PWD Road
4.	1. Paschim Chandipur, Mahugram, Bansihari, Raghavnagar	1. Badalpur to Hatidoba PWD Road	1. Badalpur to Dhumsadighi PWD Road
5.	1. Chandipur, Uttar Laxmipur, Dasul	1. Narayanpur to Jordighi SH	1. Buniadpur to Itahar PWD Road

**MITIGATION PLAN:**

**Sector wise Vulnerability Reduction Measures (considering G.P. Plans):**

Type of Sector	Sub Sector	Mitigation measures	Responsible Dept.
Infrastructure Development.	IEC activities	-	-
	Road	1.Nowpara to Mollapara SH, Badalpur PMGSY to Jordighi SH, Badalpur PMGSY to Hatidoba PWD Road, Narayanpur to Jordighi SH, Kushumba to Narayanpur SH, Pichla to Angaran Eethen Road, Jordighi to Raghavnagar BS Road 2. Jamar to GP Office, Durga to Mahadipur, Belpukur to Durga, Pathanpara to Karai Colony, Pathanpara to Siliguri More. 3. Kanur to Bagduar, Bgduar to Singadaha, Bagduar to Hialdaha	1. ----- 2.PWD, DDZP Dept.
	Embankment	1.Bhingaldaha to Dhumpara 2. Sayestabad to Hialdaha via Tepridaha, Deuria Kalitala to Bilbarail, Surayaghati to Satdhipa, Bagduar More to Tepridaha Id-Gaha.	1.--- 2. Irrigation Dept.
	Bridges	1.Re-construction of RCC Road at Nowpara on the way of Nowpara PMGSY to Chandmukh PMGSY Road 2. Surayaghati	1.-----
	Safe Shelters	1.Badalpur High School, Dighibanshihari High Land & FP School, Mahugram FP, Mahugram Jr. High School, Dasul FP, Dasul Jr. High, Narayanpur High, Nowpara FP, Kelna FP School. 2.Sihol High School, Jamar main road, Doudpur Primari, Damapukur FP, Chhoto Karai FP, Barobon FP, Ojantor FP 3. Bagduar Flood Shelter, Ganguria High School.	GP Office
	Communication	Boat	GP Office
	Drinking water and sanitation	Dhutura Drinking water (PHE) & Sihol, Jamar	PHHE Dept. & Block
	Power		
	Technology dissemination		
	Health/ Animal Husbandry	IEC activities	
Vaccination			
Training			
Livelihood	Awareness		
	Agriculture		
	Fishing		
	Fishery		
	Allied activities		
	Horticulture		

Insurance	IEC activities		
	Infrastructure		
	Lifelihood		
	Life		

### **Crisis Response Structure of the Block.**

#### **Early Warning Dissemination and Response Plan:**

Department	Response System			
	Preparedness	Pre (after Warning)	During Disaster	Post Disaster
Block	Control room at ----- ----- Block Office and G.P. Office.	Special messenger and telephone.	Microphone and telephone.	Microphone and telephone.
Police	Control room at ----- ----- Police Station	Message Sending	Patrolling in disaster hit areas.	Patrolling in disaster hit areas.
Revenue	-	-	-	-
Health	Contol room at BPHC, -- -----	Restricted leave permission.	Distribution of Medicine like Metrozil, Pracitamol, Amoxicilin, AVS, ORS, Vaccine, Bliching Powder, Halogen Tab. etc.	Work along with people.
Irrigation	Control room at----- -----	Checking of Embankment and Canal.	Frequent monitoring of Embankment and keep ready to receive wireless message.	Re-construction of Embankment, Culvert and Bridges.
RD & R & B	-	-	-	-
RWS & S	Keep ready with materials for sinking and re-sinking of tubewells.	Engage people in low lying areas.	Engaged field staff in low lying areas for sinking of tubewalls.	Engaged field staff in low lying areas for sinking and re-sinking of tubewalls.
AH Dep.	-	-	-	-
Electric	-	-	-	-
Agril.	-	-	-	-

(Note: For all the eight groups roles and responsibilities should be defined for flood, cyclone, Drought, Fire, earthquake, chemical hazard depending on the vulnerability of the area).

#### **Some other Important Information :**

Location of High ground to be used as Halipad / Air Dropping Site.

1. Kurpara Football Ground (Ellahabad)

#### **Location of Health Centre:**

Name of BPHC / PHC / SHC.	Location of BPHC / PHC / SHC.	Name of Gram Panchayet.
Shyampur Sub-Centre	Mahabari	Mahabari

Rashidpur BPHC	Rasidpur	Buniadpur Municipality
Badalpur SHC	Badalpur	Brajaballavpur
Ellahabad GP Health Sub-Centre	GP Ground	Ellahabad
Nurpur Health Sub-Centre	Nurpur	Ellahabad
Sihol Health Sub-Centre	Sihol	Ellahabad
Dhitail Health Sub-Centre	Dhitail	Ellahabad
Kamardanga SHC	Kamardanga	Brojaballavpur
Kushumba SHC	Nowpara	Brojaballavpur
Badalpur	Badalpur	Brojaballavpur
Mahugram SHC	Jordighi	Brojaballavpur
Badalpur PHC	Badalpur	Brojaballavpur

**Some Important Telephone Numbers at a glance :-**

Name of Office	Contact Telephone Numbers /Mobile/ Fax Numbers/ <b>E-mail</b>	Name of Office	Contact Telephone Numbers /Mobile/ Fax Numbers/ <b>E-mail</b>
D.M. D.Dinajpur	<b>9933302098</b>	A.D.M. (Dev. ) D.Dinajpur	<b>9933302098</b>
A.D.M., D.Dinajpur (General)	<b>9903225934</b>	A.D.M (ZP), D.Dinajpur	<b>8373069002</b>
A.D.M.,(L.A) D.Dinajpur		S.D.O. Gangarampur at Buniadpur	
District Relief Officer D.Dinajpur		Sub. Divisional Relief Officer, ----- --	
B.D.O. ----- -----		Sabhapati ----- ----- P.S.	
Supdt. Engr., Irrigation Circle, D.Dinajpur		C.M.O.H. D.Dinajpur	
Exe. Engr., P.H.E			
Exe. Engr., Civil Irrigation Control Divn.		Supdt. Of Police D.Dinajpur,	
Exe. Engr (Control Room)		----- Police Station	
Dist. Controller F & S. D.Dinajpur			
Dist. Manager, FCI			
FireBrigade D.Dinajpur			
Deputy Controller, Civil Defence, D.Dinajpur			

**Deployment of Staff for Banshihari Development Block Control Room**

**Officer Incharge of Block Control Room Subhadip Das , B.D.O, Subhadip Das Ph. No. 8373069036 / Mob. 8373069036 / Fax No. 03524259322/ E-mail Address- banshiharibdo@gmail.com**

**BLOCK CONTROL ROOM Ph. No. 03524259322**

Sl. No.	Name of Officials	Designation	Contact Ph. No./Mobile No	Office Ph. No.
1	Subhadip Das	B.D.O	8373069036	03524259322
3	Sonam Palzor Lama	Jt. B.D.O (Officer in – Charge of Disaster)	7384602378	03524259322
4	Pinaki Sanyal	CI	8436368255	03524259322
5	Tarit Sarkar	PDO	7908586245	03524259322
5	Kuheli Mondal	FEO	9831763159	03524259322
6	Shitaram Sing	APO	9932909998	03524259322
7	Sajal Kundu	BIO	9733383545	03524259322
8	Manoranjan Rabidas	CW	9647895435	03524259322
9	Goutam Kr. Ghosh	UDC	8371959360	03524259322

**Deployment of Staff for Brojaballavpur Gram Panchayet Control Room**

**Incharge of Gram Panchayet Control Room Samir Kanty Roy, Sarathi Roy, G.P. Ph. No. Nil Fax No. Nil / E-mail Address- [Broja.gp02@gmail.com](mailto:Broja.gp02@gmail.com)**

**Gram Panchayat CONTROL ROOM Ph. No. 9547722272 / 8900372229**

Sl. No.	Name of Officials	Designation	Contact Mobile No
1	Samir Kanti Roy	E.A	9434968758
2	N.S. of Brojaballavpur G.P.	Nirman Sahayak	-
3	Entaj Ali	Secretary	8158002563
4	Tapash Kr. Paul	Sahayak	9733482854
5	Bidhan Chakraborty	GP Karmee	9002361003
6	Manik Karmakar	GP Karmee	9800369014
7	Joydeb Mahato	STP	9733003871
8	Emrul Ali	GRS	9867990998
9	Ramendra Nath Roy	VLE	8328799544

**Deployment of Staff for Ellahabad Gram Panchayet Control Room**

**Incharge of Gram Panchayet Control Room Akbar Ali , Sulika Murmu, G.P. Ph. No. Nil 7557825558/ Fax No. Nil / E-mail Address- [ellahabadgp@gmail.com](mailto:ellahabadgp@gmail.com)**

**Gram Panchayat CONTROL ROOM Ph. No. 9735058343 / 9733243851**

Sl. No.	Name of Officials	Designation	Contact Mobile No
1	Akbar Ali	E.A	9733243851
2	Sukla Kundu	Nirman Sahayak	-
3	Chandibrata Jha	Secretary	9475443928
4	Usuf Ali	Sahayak	9733287309
5	Avoy Das	GP Karmee	9733286271
6	Debasish Basak	STP	9614242885

7	Dip Ranjan Das	GRS	9474037882
8	Manjur Alom	VLE	9733236023

### Deployment of Staff for Ganguria Gram Panchayet Control Room

Incharge of Gram Panchayet Control Room Santosh Kr Ghosh , Pradhan, BhnoalThakur, G.P. Ph. No. Nil Mob 9593728014/ Fax No. Nil / E-mail Address- [ganguriagpdd@gmail.com](mailto:ganguriagpdd@gmail.com)

### Gram Panchayat CONTROL ROOM Ph. No. 9733370790

Sl. No.	Name of Officials	Designation	Contact Mobile No
1	Santosh Kr Ghosh	Executive Assistant	9434376526
2	Sec. of Ganguria G.P.	Secretary	
3	NS of Ganguria G.P.	Nirman Sahayak	
4	Kabinur Rahaman	JS	9002449757
5	Sailen Mahato	GRS	9635557572
6	Debraj Mahato	Sahayak	9733287309
7	Budhu Bhuimali	G.P. Karmee	9733271386
8	Kamal Roy	G.P. Karmee	9735028612
10	Sandip Roy	V.L.E / Email Operator	9635065094

### Deployment of Staff for Mahabari Gram Panchayet Control Room

Incharge of Gram Panchayet Control Room EA, Mahabari G.P. Pradhan, Noorjahan Khatun, G.P. Ph. No. Nil . Mob Nil / Fax No. Nil / E-mail Address- [mahabarigp@gmail.com](mailto:mahabarigp@gmail.com)

### Gram Panchayat CONTROL ROOM Ph. No. 8116027783

Sl. No.	Name of Officials	Designation	Contact Mobile No
1	EA, Mahabari G.P.	Executive Assistant	-
2	Mukesh Choudhury	Secretary	-
3	Pankaj Biswas	Nirman Sahayak	9593845472
4	Sirin Banu	Sahayak	7872809168
5	Pius Hembrom	G.P. Karmee	9932739643
6	Pantu Mandal	G.P. Karmee	9614187840
7	Suraj Sarkar	G.R.S.	9474311759
8	Surajit Sarkar	J.S.	9733454682
9	Shankar Murmu	V.L.E.	9635187732
10	Hopna Hemram	Casual	9800434953
11	Bapan Chandra Mandal	Casual	9733205704
12	Papun Roy	S.T.P.	9563261262

### Preparedness over the issue of Taking Action at the time of Natural Calamities or Averting Disasters : Description of the Block :

Banshihari is a rather small block comprising with Four Gram Panchayats namely Brajaballavpur, Ellahabad, Mahabari and Ganguria and a recently formed Municipality, namely –Buniadpur Municipality. The Block office is situated at Shyamapally, Buniadpur and is at a uniform distance of approximately 55 km from the district headquarters, namely Balurghat (Dakshin Dinajpur), Raiganj ( Uttar Dinajpur) and English Bazar ( Malda). It is situated at a tri-junction and that is why Geographically it is so important. Any communication from/to district headquarters to/from nearby district headquarters passes through Banshihari and obviously it is well connected with adjacent districts through roadways and train ways. It is simply for this reason, it is most essential to maintain the communication plan through Banshihari intact at the time of any problem. Apart from Buniadpur, there is another town namely Gangarampur, which is only 13 kms

away from Banshihari. So, in terms of both trade, connectivity and economical reasons, situation of Banshihari is a pivotal one.

### **Vulnerability :**

Like many other parts of West Bengal, it is particularly susceptible to flood or flood like situation. The area has an average precipitation of 157 cms. However, with gradual decrease in rainfall over a period of time, the frequency of Flood has decreased.

Two rivers from the Himalayas, namely –Tangon (mainly) and Punarbhaba ( partly) flows through the block. It is the Tangon which cause havoc when the rainfall becomes too much over a small period of time, particularly in the hills and foothills of Himalayas. Tangon flows through major part of Banshihari.

Apart from flood, this block is also falls under Level 4 in terms of seismology/earthquake related disasters.

During the dry season of April-May, incidences of fire are not very uncommon in the area which is primarily caused by unplanned burning of remnants of crops produced. And in each year, Cyclonic storm s of smaller magnitude also cause damage to crops, loss of lives to human, cattle etc.

### **Recent Previous Experience :**

In very recent past, during the month of August-September, 2017, this Block has faced severe kind of flood like situation caused mainly by overflowing of river Tangon, combined with heavy rainfall during the second week of August, 2017. Level of all other rivers in the district, namely Punarbhaba, Atrayee had crossed extreme danger level. For over a period of ten days, road communication between district headquarters of Balurghat to Banshihari was cut off due to unstable condition of a Bridge at Maharajpur ( Before Gangarampur) and due to flowing of water at least over four to five feet at several places over N.H.-512.

Naturally, 136 mouzas out of the total 161 mouzas under the block were directly affected due to this flood like situation. All the Gram Panchayats including Buniadpur Municipality was affected, but people of Ellahabad Gram Panchayat ( almost entirely)and Ganguria Gram Panchayat (mainly) and Brajaballavpur ( mainly)had suffered a lot.

Over 50,000 people had to take shelter at high places like Schools and other academic institution and at the lone flood relief centre at Bagduar.

**Loss of Life :** 04 ( four ) as per report.

**Loss of Animal :** 05 Cattle ( as reported), 25 Goat, approx. 5,000 birds ( Duck and chicks).

**Loss to Crop :** More than 1280 Hectares of croppable area and crops damaged.

**Damage to Roads :** Several roads under Ganguria G.P. and ellahabad G.P. and under Brajaballavpur G.P. , particularly road from Daulatpur to Pirtala ( Via Bagduar) had been damaged completely. At several places, bridge has collapsed and portion of road was completely washed away.

### **How the situation was tackled :**

1) During the initial phase, Institutional Houses had been used as Temporary Relief Cum Flood Centre. Arrangement for accommodation, and fooding was arranged. Block control room was opened 24X7. Longorkhana has been opened at several places including one at Block office, from where cooked meal were despatched to the affected areas and among affected people. Polythene sheets, dry food were distributed. The district administration has provided rice to the Ration Dealers and the same was used to provide food to the affected people. Dry food such as paddy puff, puffed rice, molasses, gur was procured in anticipation of danger and on assumption of weather forecast. Vehicles were hired to provide relief to the distressed people. The water plant of Block was used for supply of drinking water. Later, water packet was provided by PHE as a vending machine was installed at Buniadpur. It has saved lives of people from starvation/food/water poisoning. Approximately 21,000 polysheets were distributed to the flood affected people. Boats were hired from local agencies to rescue people who got

trapped/waterlogged inside their houses and shifted to safe places. Boats were also used to provide relief, medicine, food to the affected people. Mobile medical camp was arranged to treat people from common problems. As the Rashidpur RHC was inundated, a temporary medical camp was also opened at Block office. Not only that, same happened to the Banshihari police Station and Police Station was temporarily shifted to block office to serve people. Animal fodder was also distributed in sufficient quantity. Block employees had around 24X7 had did duty to help affected people. Gram Panchayat Offices had also played a very important and praise worthy role during this crisis time. There were one or two incidents of looting of polysheet outside Block. However, there was no resentment against the Govt. Officials of Banshihari and there was no incidence of attack on govt officials in Banshihari unlike other areas. During later part, Voluntary organisations, Clubs were also included in providing relief to affected people as the number of affected people started increasing as more and more area became inundated. The success can be assessed from the simple fact that there was no outbreak of any epidemic during or after flood like situation in Banshihari.

- 2) During next phase, as the flood level receded, disinfection of tubewells, and other water sources had been done thoroughly across the entire Block area, particularly along the affected areas. Tubewells of Houses and Academic and other institutions were disinfected. People, through Gram Panchayats and VHSNCs were trained to disinfect water sources. PHE, Health Officials, together with Block and GP officials had played a very important role during this phase. The food damage and loss of human life etc. Were assessed, proper enquiry were done. House damage enquiry and entry were done on day and overnight basis and reported to the district.

### **Perspective Plan to Tackle Such Situation :**

After Assessment of damage, following plans had been adopted to overcome /reduce damage in future :

- 1) **Repairing damaged Road :** At the initial phase after water level receded, effort has been taken to repair damaged /washed roads. Temporary repair work has been initiated by all Gram Panchayats as per instruction from higher authority. After through assessment, proposal for road repair was sent to the district. Already, the district has taken mentionable initiative and arrangement to repair roads such as the one from Daulatpur to Pirtala (Via Bagduar). Many other roads are being repaired and being built.
- 2) **Repairing/Strengthening Damaged Embankment :** Already with the help of Irrigation department, NBDD and the District Magistrate, Dakshin Dinajpur and the Sub-Divisional Officer, Gangarampur at Buniadpur, embankments and bandhs which got affected during the flood are being repaired. Such convergence work is a success. Through MGNREGS work, already, Gram Panchayats like Ganguria have taken measures to repair earthen Bandhs and roads.

### **Long-Time Perspective Plan :**

**The following measures have been taken to overcome such situation in future :**

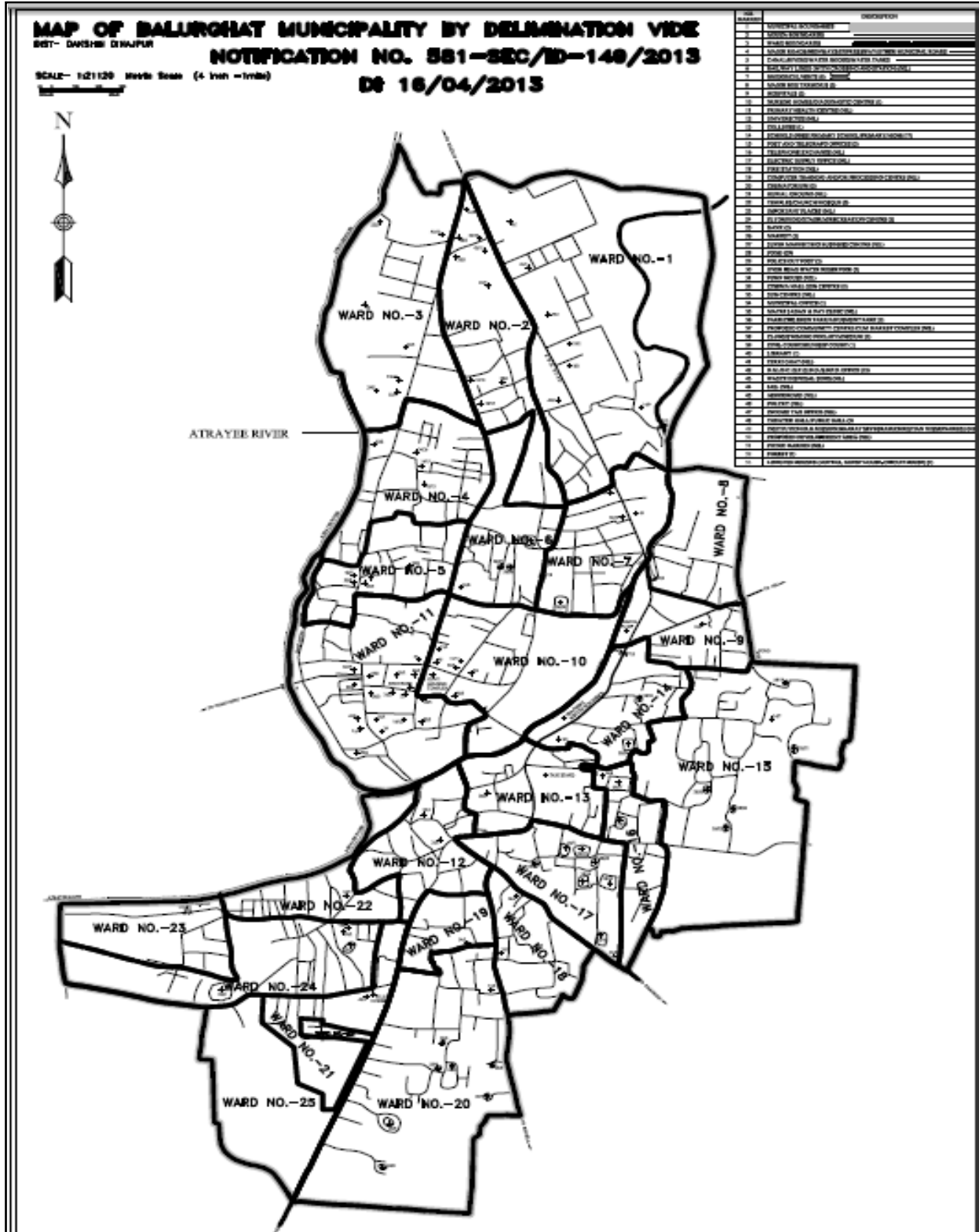
- 1) **Increasing the Water carrying Capacity of River Tangon and Kharis :** Through MGNREGS, vast plan has been taken to excavate dying Kharis and increase their depths all along Banshihari. Not only that, plans has been taken to build check dams and reservoirs across the river Tangon. Excavation of Big Water reservoirs, like Beel Barail has been planned and proposal has been sent to the higher authority. The work will be done in convergence mode. So that, water retentively, ground water replenishment issues are tackled alongwith increasing water carrying capacity of the rivers. This will also, in the long run, will bring back the waterways system of transport, which at one point of time was popular in West Bengal.
- 2) **Permanent repair of Damaged/Weak embankment :** Through joint visiot with irrigation department officials, plans are being taken for permanent repair of weak bandhs, which would not be possible by any other department. Also, two points, one at Sihole and other at Jaydebpur had been are being considered where proposal for making sluice gate are being processed.
- 3) **Building More Flood Relief Centres :** At present, there is only one flood relief camp, at Bagduar. There has been proposal for construction of three more Flood Relief Centres. Out of these three, fund has already been provided for construction of one flood relief Centre at Jamar under Ellahabad G.P.
- 4) **Office and Health Centre Management /Law and order issue :** Master plan is being made to get rid of the problem of water logging in Rashidpur RHC. The Banshihari Police station is also situated adjacent to



the river Tangon and was inundated. Plan is being proposed for making adequate arrangement for new construction. The Banshihari police Station has no Speed Boat and at the time of Flood Like Situation, Speed Boats are a must for speedy patrol duty. Two speedboats be urgently provided to Banshihari Police station. Also, the Banshihari Block Office is constructed over a rather small area. For better keeping of relief materials and other necessary things, accommodation, a bigger place is a must. There is a low land in the South side of Block, the said area may be provided to the Block so that the area of Block Office be increased to serve people in a better way.

- 5) **HRD and Communication:** Plan has been made to sit with NGOs and other Voluntary Organisations, Clubs and other Individuals. Particulars/database in respect of them has already been prepared. Weather forecasts are being shared with offices under the Block. Some clubs, NGOs and Voluntary Organisation had done a Yeoman's Service during the flood like time. It would be highly helpful, if these organisations can be used more cohesively in future and in every sphere so that their service can be utilized from the very beginning. IEC activities, mock drills are being arranged at Schools, Colleges etc. To train future generation to cope up with any kind of crisis. Not only that, they are being encouraged to take up such kind of profession as career option. It would be even better, if such trainings are incorporated in curriculum and kind attention of the authority concerned is being invited towards this. People are also being trained to take lesson from previous mistakes and keep foodgrains in safe jars so that those can be preserved at the time of crisis.
- 6) **Proper Drainage Facility and Future Building Plan:** The issue of water logging is a very serious one all over the world particularly in the cities and in developed areas. Lack of adequate drainage system and unplanned house construction is one of the main reasons for this. Master plan has been made to improve drainage system of Buniadpur Municipality and Gram Panchayat areas. Already, the Gram Panchayats have been strictly instructed to follow the new House Building Rules and not to give permission to make any un-authorized construction, particularly in the low land areas or along the natural water passages.
- 7) **Large Scale Plantation:** Through NREGS, large scale plantation of various kinds of trees is being done to tackle the issue of Global Warming & increasing income of local people.

## PLAN OF BALURGHAT MUNICIPALITY



### **Municipality Profile:**

Balurghat town, the District Head Quarter of Dakshin Dinajpur is situated in the east of ATRAYEE RIVER. One khari called Danga Khari more or less flows centrally through Balurghat Town and finally falls in the River Atrayee.

The Metropolitan City of Kolkata is about 450 k .m. away from here and Siliguri is about 290 k.m. away in north. The other clusters of Urban Town are Gangrampur (40 k.m), kaliyaganj(81 k.m.), Raighaj(110 k.m.), and Malda (110 k.m.) . Balurghat is also surrounded by the Indo-Bangladesh Border which is more or less 4 K.M. to 9 K.M. away from the centre of the town.

Though there is an Aerodrome at Mahinagar, 4 K.M away from the centre of the town , no regular service is there. Now, EKLAKHI-BALURGHAT Railway line is functioning which connects Malda & Balurghat. Construction of one Road connecting Malda via Tapan is in Progress.

Balurghat is one moderately flood prone area in the state.

### **SOME INFORMATION:-**

1. Name of the Municipality	:	Balurghat Municipality
2. Area	:	10.56 SQ. K.M
3. Total no. of Ward	:	25 nos.
4. Total Population	:	1,51,183(Census 2011)
5. Name of the River	:	ATRAYEE
6. Name of the Khari	:	DANGA KHARI
7. Fully vulnerable Wards	:	2,4,5,7,12,15,17,21,23
8. Partly vulnerable Wards	:	1,3,6,8,9,10,11,13,14,16,18,19,20,22,23,24,25
9. Control Room	:	<b>MUNICIPAL OFFICE</b> <b>PH-255450/ 255680 (STD-03522)</b>

### **IMPORTANT TELEPHONE NOS. :-**

1] Smt. Isha Mukerjee Administrator Balurghat Municipality	:	255450 (O) 8373069004 (Mob.)
2] Sri Pinaki Ranjan Biswas Executive Officer Balurghat Municipality	:	256930 (O) 8373069995(Mob.)

Police Station :

(Chakbhabani (Near DM Office), Balurghat, D/Dinajpur, Pin- 733103 Ph.03522-255651)

Fire Station :

(Mongalpur, Balurghat, D/Dinajpur, Pin- 733103 Ph.03522-255613)

Hospital :

(Raghunathpur, Balurghat, D/Dinajpur, Pin- 733103 Ph.03522-255288)

In the year 1995, there was an incident of Flood & inundation followed by Water-logging. Balurghat Municipality at that time tried much to combat the situation. Again, after 22 years, Flood situation started from 12-08-2017 (Midnight) and continued up to 18-08-2017. A brief description about the services rendered under the supervision of Balurghat Municipality is being presented here.

- Arranged sand bags and labourers for filling of water cut points on the River and Khari embankment besides the irrigation Department at several points.
- Conducted rescue operation and shifting of vulnerable peoples to 51 shelters opened under Balurghat Municipality.
- Served Dry food, cooked food and helped all the clubs, NGOS, individuals who approached for mobility support for relief distribution.
- Ensured arrangement of electricity, drinking water in temporary relief shelters as well as other water logged areas.
- Conducted fixed and mobile medical camps and ensured distribution of medicine to the affected peoples.
- Disinfection process started of the water sources and different places, Households since 19-08-2017 and will continue in coming days.
- Distribution of Polly-Sheet, Special G.R. Rice to the affected peoples has already been started and will continue it till the situation is under control.
- Pumping out of water at places where it required has been started since 19-08-2017 and will continue in coming days if required.
- Labourers were deployed for cleaning of Garbage, Sludge of Drains, relief distribution and conservancy purpose and will continue it till the situation is under control.
- Initiative taken for repair and restoration of Roads.
- Flood control room was opened and day night service was rendered to flood victims.
- This office is graceful to Dakshin Dinajpur Disaster Management officials because they extended their co-operative hands during this aggravated situation and supplied all sorts of relief materials to this office as and when required.
- All sorts of Employees of this office were engaged for rendering the service to the flood affected people.

**THE PREMISES TO BE USED AS TEMPORARY RESCUE/FLOOD SHELTERS.**

<b><u>NAME OF THE SCHOOL</u></b>	<b><u>CONTACT NO.</u></b>
Khadimpur High School	<b>9800184398</b>
Khadimpur Girls High School	<b>8967439779</b>
Prachyabharati Vidyapith	<b>9800586828</b>
Paulpara F.P. School	
Khadimpur F.P. School	<b>8967076994</b>
Vidyasagar Vidyapith	
Santiniketan F.P. School	<b>9434374081</b>
Baghajatin F.P. School	<b>7501376280</b>
Shishumangal F.P. School	<b>9474737582</b>
Sahebkachari Municipal Market Complex	
Gitanjali F.P. School	<b>9733313144</b>
Nanda Smriti F.P. School	<b>9474435612</b>
Manimela Municipal F.P. School	<b>9475613142</b>
Namabongi F.P. School	<b>9474139087</b>
Jogamaya F.P. School	<b>7478126889</b>
Narayanpur F.P. School	<b>9475251839</b>

Ashutosh Balika Vidyapith	<b>9679142082</b>
Beltala Municipal Abaitanik Vidyapith	
Taran Chandra High School	<b>9434962903</b>
Balurghat Stadium	<b>9733360000</b>
Uttar Chakbhabani F.P. School	<b>9933613188</b>
Nalanda Vidyapith	<b>9475472242</b>
Uttamasha F.P. School	<b>9126743164</b>
R.C.D. Balika Vidyapith	<b>9002753444</b>
Girl's College	
Balurghat Girl's High School	<b>9434233033</b>
Balurghat High School	<b>9434247079</b>
L.M.A.U. Vidyapith	<b>9434513233</b>
Avijatri Vidyaniketan	<b>9475106129</b>
Balurghat College	<b>03522255392</b>

Other than these, some temporary shelters may be constructed depending on the current necessity as and when required.

#### **Standard Operating Procedure of Relief Operation**

- Municipality is ready to supply drinking water to the flood shelters and other affected areas through water tank from own source.
- All the relief materials to be distributed through the Ward Committee headed by the concerned Ward Councillor.
- Proper Sanitary arrangement to be made available at all Rescue Camps.

## PLAN OF GANGARAMPUR MUNICIPALITY

### Municipal Profile

1. No. of Wards:-	18
2. No. of Flood Prone Wards:-	10
3. No. of Partial flood prone area:-	08
4. No. of Air dropping Place:-	02(Two)
5. Total Population (as per Census – 2011):-	56675 Nos.
6. No. of BPL Families:-	4359(Up to last inclusion – 2009)
7. No. of Slum area:-	50
8. No. of place for temporary Shelter:-	20
9. Wheter Country boat available for Rescue Operation:-	Yes
10. No. of High School (inciuding H.S):-	09
11. No. of College:-	01
12. Major portion high school is available for opening of rescue Center (if required a part of college many also be available).	

### Disaster Control Unit

SL.NO	NAME	DESIGNATION	NAME OF OFFICE	CONT. NO.
1	Sri. Prasanta Mitra	Chairman	Gangarpur Municipality	9434187704
2	Sri. Amalendu Sarkar	Vice-Chairman	Gangarpur Municipality	9679494551
3	Sri. Ajit Kr. Mondal	Executive Officer	Gangarpur Municipality	8902667710
4	Sri. Jayanta Das	Councillor,w.d no-18	Gangarpur Municipality	8016428404
5	Sri. S.karmakar	SAE	Gangarpur Municipality	9434325350
6	Sri. Bijon Kr. Kundu	Head Clerk	Gangarpur Municipality	9434057942
7	Sri. Swapan Dutta	Sanitary Inspector	Gangarpur Municipality	8759555143
8	Dr.P.C.Basak	Medical Officer	Gangarpur Municipality	9434162018
9	Sri. Ramjiban Roy	Relief Section	Gangarpur Municipality	9593918482

### GANGARAMPUR MUNICIPALITY CRISIS MANAGEMENT PLAN 2019-20 :

Gangarampur is a flood prone town where flood is regular feature causes damage to life and properties as a large scale. Heavy and incessant rainfall all over the district and catchments areas lead to sudden rise of water levels of all the rivers i.e. Punarbhaba, Tangon and Brahmani.

The geographical location of the town has also put the town to a disadvantage also. The town gets cut off from the rest of the district during flood and the blocks get isolated from one another. A further characteristic is that all the major rivers referred to above come in to the town from Bangladesh. As a consequence, rainfall and relevant data of the catchments area or upstream area that could have been of aid to the administration is not readily available. Out of 18 wards during flood 10 – 12 wards are usually affected more.

#### ACTION PLAN:-

##### Flood warning system:-

Sub- Assistant Engineer, Irrigation and water department, Gangarampur will communicate the flood warning message, i.e. water level of the rivers and rainfall data in the local and catchment areas to the municipal control room as a matter of top most priority. On receipt of warning the Municipality will communicate the messages to the D.Ms level through telephone, R.T. Network, Police and D.Ms by messages whenever required. For wide publicity they beat drum or use land speaker on emergency basis.

### Rescue Operation:-

Chairman of Municipality will keep close vigil regarding evacuation and rescue Operation under his town. Chairman will issue necessary instruction to the rescue team-in-charge. The flood affected people will be shipped to the nearest temporary rescue camps which have been earmarked.

proposed flood rescue centers –

- i) All high schools under Gangarampur Municipality
- ii) Highways
- iii) Bangarh (may be used as air dropping point)

### Relief operation/distribution:-

After rescue operation the relief distribution agency of the area will provide dry foods, baby foods, special G.R, fully cooked food and clothing when needed as per requirements from the reserve stock of the Municipality. For further requirement, Chairman will contact with the SDO/ D.M, relief materials will be distributed to the flood affected people both housed in the relief camps and other places.

### Supply of safe drinking water:-

Municipality and PHE will ensure the supply of safe drinking water for the flood affected people both in the relief/rescue camp and individual houses through tanker.(as per need)

### Health Service:-

Medical Officer, Gangarampur Municipality, B.M.O.H, will visit all the affected area with their medical team during flood period and render all sort of medical aid to the affected people on war footing. Arrangement shall be made for smooth movement of the medical team from the Sub-Divisional Health Headquarters. And other place to the affected areas in association with the Health setup of Gangarampur Municipality, 4 Nos FTS having with 1(One) Health Officer 01(one) ANM and 18 Nos HHWs may be engaged with this work.

### Sanitary Arrangement:-

Proper sanitary arrangement will be made for the flood affected people by the Municipality to protect the environment and prevent endemic outbreaks of diseases.

### Maintenance of cattle Health:-

Deputy Director, A.R.D Dakshin Dinajpur shall keep medical terms on readiness and they shall visit all the flood affected areas and take necessary action to prevent loss of cattle. He will also arrange for cattle feed.

### Irrigation and water ways department:-

S.A.E, Irrigation and water ways dept. will check up the vulnerable embankments and bundhs and maintenance works shall be completed them and there with sand bags and other materials. Whatever necessary.

### CONTINGENCY PLAN:-

#### Setting up to control rooms:-

Control room would be set up at the Chairman, Gangarampur Municipality, Dakshin Dinajpur, headed by Chairman for round the clockwise in the event of flood for day monitoring of rescue and relief operation. Phone No.255140.

#### FLOOD WARNING MESSAGE:-

Irrigation and waterways department monitors and provides information at the earliest about various causative factors. Gangarampur Municipality communicates the flood.

Messages in respect of river Punarbhaba and Tangon to the District Administration and give wide publicity of flood warning messages and weather forecast to the people as and when required to minimize the impact of the calamity.

Arrangement for guarding of embankment, roads and bridges and patrolling in the affected areas and relief camp is made by the police during flood.

He also provides escort for vehicles for carrying relief materials for safe movement during and after the flood period.

#### FOOD & SUPPLIES DEPARTMENT:-

1. District Controller of food and Supplies has been requested maintain reserve stock at different points under this Municipality in addition to normal PDS channel.

**HEALTH DEPERMENT:-**

2. The C.M.O.H, Dakshin dinajpur has requested to ensured the requirement and stock position of medicine adequate quantities of essential medicine, vaccine, AVS, ORS, Saline First Aid Kits. Bleaching powder, Chlorine, Anty Bioticointment, Plenyl, Saline set Halogen Tablets and other necessary materials.

**LIST OF COLLEGE & HIGH SCHOOLS WHICH MAY BE USED AT FLOOD SHELTER UNDER GANGARAMPUR MUNICIPALITY:**

<b>SL.NO</b>	<b>NAME OF THE INSTITUTIONS</b>	<b>LOCATION</b>
1	Gangarampur Collage	Ward No. 8
2	Gangarampur High School	Ward No. 12
3	Gangarampur Girls High School	Ward No. 7
4	Kadihat Belbari High School	Ward No. 3
5	Niranjan Ghosh Smrity Vidyapith	Ward No. 4
6	Indranarayanpur Colony High School	Ward No. 8
7	Promod Das Gupta Smrity Vidyapith	Ward No. 9
8	Rajibpur st. Jopesh High Schopol	Ward No. 18
9	Rabibdra Smrity Vidyapith	Ward No. 17

**Names of Country Boat Holder:**

<b>SL.NO</b>	<b>NAME</b>	<b>LOCATION</b>	<b>CONT. NO.</b>
1	Gopal Sarkar	East Belbari, Ward No. 9	9679769572
2	Sanjit Rajbanshi	East Belbari, Ward No. 9	9679206141
3	Palan Halder	east Halderpara, Ward No. 14	9800904361
4	Tarapada sarkar	East Belbari, Ward No. 9	8016011793
5	Bimal Sannyashi	East halderpara, Ward No. 14	9800904361



## PLAN OF BUNIADPUR MUNICIPALITY

**INTRODUCTION:- Disaster Management Plan covers a broad range of interventions undertaken before,during and after a Disaster- to prevent or minimize loss of life, property and minimize human suffering and hasten recovery.**

### **MUNICIPALITY PROFILE:**

1	Total Area of the Block	9.147 Sq. Km.
2	Total No.of Mouzas	21 Nos.
3	Main River	Tangan
4	River in Zero Level	25' ft.
5	River in Danger Level	25' - 6' ft.
6	Other Channels	Baliakhari,Joydebpur etc
7	Average Rainfall through the year	1500 mm.
8	Total No. Of Population	34280(As per Census 2011 & projected population)
9	Area affected by Flood in Previously(Approx)	14 nos Mouza Effected fully out of 21 nos Mouzas and 5 nos Mouzas effected partly out of 21 nos Mouzas.
10	Main Economic Activity of the area	Cultivation & Small Trades
11	Total Cultivation Land	3125 Hec.
12	International Border area	Nil
13	Total No.of Household	9044 Nos.
14	Name of Flood Shelters	Nil
15	Name of the rescue center	Normally through the Municipality office and rescue centers
16	Name of the Proposed relife Distribution center	As mentioned in Column No. 5 in Order Sheet
17	Name of the place where Relief materials to be stored	Buniadpur Municipality
18	Source of Baby food	Janata Medical,Auth.Dealer Buniadpur
19	Proposed Helipad	At Playground of Banshihari High School
20	Alternative roads/Ways or contact	None except the conventional National Highway 512 Malda to Balurghat via Buniadpur, Gangarampur
21	Address of The control room and name of officer-in-charge	Buniadpur Municipality,Chairman Cont. No. 9434463394 Vice Chairman Cont.No. 9475898501

The following officers and staff are hereby deployed in flood duty as a precautionary measure to combat the flood like situation that may arise during the monsoon prevailing in the municipality.The officials concerned are instructed to be on high alert and jump into action when the situation so demanda (specially for Monsoon period i.e. w.e.f. June to October).They are also requested to keep liason with the Municipality and the undersigned for this purpose.It is reminded that relief duty is mandatory duty and any staff avoiding or trying to avoid such duty will be strictly dealt with.

<b>Team No</b>	<b>Name of the Officials</b>	<b>Contact No</b>	<b>Area of Operation(Village) &amp; Concerned Flood shelter</b>	<b>Concerned Flood shelter</b>	<b>Role of the Team leader and other officials</b>
1	1) Bipin Ch. Mahanta,N.S	7363923859	Shibpur Haldar para,Shibpur Uttar para ,Mill para, Shibpur Dakshin.Joydebpur And Banshihari Thanapara	Shibpur Primary School	Bipin Ch. Mahanta is the leader of Team and will conduct to rescue the victims by Civil Dfence/Local club members/volunteers etc.He should close contact to the Councilor.
	2)Joy Sarkar, Add.Worker	9547978229			
2	3) Kajal Chatterjee,Supervisor VBD	7384576500	Koil paul para, Koil Roypara,Koil Adibashipara, Mayahar, Aligara east Haldi and Mirjatpur	Banshihari High School	Civil defences as well as the Head Quarter's control room.Boat owners etc.He will take decision where the victims be rehabilitated (Flood Shelter or any other safe places)The other staff/Officials will help the team
3	4) Jolly Mahanta(sakar), Supervisor VBD	9593860399	Rashidpur, Hospital para, Hatat para, Aligara west , Buniadpur east and Hatpukur	Buniadpur High School	trader andparticipate to rescue operation and also measures the properties or lives which are lost by the calamity.They to more active in this programme.they will help to rescue the victims from concerned ares and arrange to send into the Flood shelter and conduct to ditribute the food,drinking water etc to the victims.
4	1)Ashok Kr. Thakur,Sahayak	8250685880	Buniadpur Dakshin,Buniadpur Paschim,Buniadpur North and Adibashipara	Sarai Buniadpur F.P School	Ashok kumar Thakur is the leader of Team and will conduct to rescue the victims by Civil dfence/Local club members/volunteers etc.He should close contact to the Councilor.Civil defences as well as the Head Quarter's control room.Boat owners etc.He will take decision where the victims be rehabilitated(Flood Shelter or any other safe places)The other staff/Officials will help the team
	2)Kanchan Sarkar, Add,Worker	9733191381	Thingur Colony,Thingur School para,Thingur Proadhan para and Buniadpur Pahanpara	Thingur F P School	

					shelter and conduct to distribute the food, drinking water etc to the victims.
5	1)Kaliya Barman,E.A	9593925298	Chaksadulla,Amsup aritala and Purnyapara	Chaksad ulla F.P School	Kaliya Barman is the leader of Team and will conduct to rescue the victims by Civil defence/Local club members/volunteers etc.He should close contact to the Councilor.Civil defences as well as theHead Quarter's control room.Boat owners etc.He will take decision where the victims be rehabilitated (Flood Shelter or any other safe places)The other staff/Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity.They to more active in this programme.They will help to rescue the victims from concerned areas and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc to the victims.
6	1) Amal tarafder,GPK	9434460588	Khushipur	Khushipur F.P School	Amal Tarafder is the leader of Team and will conduct to rescue the victims by Civil defence/Local club members/volunteers etc.He should close contact to the
	2)Milan Sarkar,Supervisor VBD	9064335817			

	3)Mansur Ali, Add worker	70475214 57			Councilor.Civil defences as well as the Head Quarter's control room.Boat owners etc.He will take decision where the victims be rehabilitated (Flood Shelter or any other safe places)The other staff/Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity.They to more active in this programme.They will help to rescue the victims from concerned areas and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc to the victims.
7	1) Meghnad Ghosh , IT 2) Sailen Muemu,GPK	76024444 11 78729134 86	Selimabad and Math Khidirpur	Buniadpur Mahavidyalaya	Meghnad Ghosh is the leader of Team and will conduct to rescue the victims by Civil defence/Local club members/volunteers etc.He should close contact to the Councilor.Civil defences as well as the Head Quarter's control room.Boat owners etc. He will take decision where the victims be rehabilitated (Flood Shelter or any other safe places)The other staff/Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity.They to more active in this programme.They will help to rescue the victims from concerned areas and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc to the victims.

**Some Important Telephone Nos:**

**Communication To The Flood Shelters:**

<b>1</b>	<b>District Magistrate, D/Dinajpur</b>	<b>off. 03524-255206</b>
<b>2</b>	<b>Dist.Disaster Management Section</b>	<b>off. 03522-255020</b>
<b>3</b>	<b>Executive Eng.PHE Balurghat</b>	<b>03522-255576</b>
<b>4</b>	<b>Executive Eng.(A-1) Balurghat</b>	<b>03522-255912</b>
<b>5</b>	<b>Sub-Divisional Officer,Gangarampur</b>	<b>off. 03424-259086</b>

6	Civil Defense,Balurghat	off. 03524-263486 Mob.9434063486
7	S.D.P.O,Gangarampur	9735099533/9734116650
8	BDO,Banshihari	8373069036
9	Civil Defense,Balurghat	03522-255611
10	Asstt.Engineer(RWS Sub-Divn.PHE),Balurghat	03522-255639
11	Asstt.Engineer,(A-I),Gangarampur	03524-259289
12	ASSTT.Engineer(A.M),Gangarampur	03524-255160
13	B.L.D.O.,Banshihari	9434246889
14	Savapati,Banshihari P.Samati	9775830460
15	BPHC,Banshihari	9836491398
16	Fire Brigade,Gangarampur	03524-256800
17	Police Station	03524- 259213/9083270111
18	B.L. & LRO,Banshihari	7908576722
19	SM,WBSEDCL,Kusumandi	9733040610
20	F & S,Kusumandi	8116299773

Banshihari H.School	9434130896
Bunidpur H.School	9733191638
Banshihari Girls High School	9434353283
Narayanpur High School	9434409781
Bunidpur Collage	9733050177
Buniadpur ITI College	9477008696
Buniadpur B.Ed College	9733700401

**NAME OF THE MOST VULNERABLE MOUZAS(ADJACENT FIGURES INDICATE**

**POPULATION) WITH NAME OF THE RIVER AFFECTED BY:**

SL.N O.	Name of the G.P	Name of theRiver and Khari	Name of the most vulnerable Mouzas
1	Buniadpur Municipal ity	Tangan River	Joydebpur,Shibpur North,Shibpur South, Mirjatpur, Halldi,Rashidpur,Aligara,Koil,Amoi,Karkha,Thingur,Buniadpur,Barail, Sherpur,Chksdulla
		Partly Tangan & Khari	Sarai,Nalpukur,Malam,Narayanpur,Khushipur,Rangapukur

**LIST OF BOAT OWNERS AND THEIR CONTACT NUMBER:**

SL. NO	Name of boat Owners	Address	Name of coerned Municipality	Particulars of Boat	contct No.
1	Manoranjan Sharma	Shibpur	Buniadpur	Boat	6294165958
2	Pralad Debnath	Shibpur	Buniadpur	Boat	9563870616
3	Subrata majumdar	Shibpur	Buniadpur	Boat	8116976037
4	Haripada Sarkar	Shibpur	Buniadpur	Boat	7001334295
5	Biren Panan	Shibpur	Buniadpur	Boat	9734909895

Flood shelter/ Cyclone shelter	Year of Construction	How many person can be accommodated?	Number & Name of Village taged with this Shelter	Total tagged population	Difference between tagged population & capacity of shelter,if any	Remarks
<b>Nil</b>	<b>N.A</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>N.A</b>	<b>Two flood Shelter required</b>

**Name of the Block Disaster Management Committee :**

SL No	Name of Officials/Staff	Designation	Address	Phone Number	
				Office	Residence
1	Sunanda Biswas, Savapati KMD Panchayat Samity	Chairperson	Kushmandi		8145877096
2	Md. Zakaria, B.D.O.	Secretary	Kushmandi	03524 263486	9434063486
3	Sri Narmada Ch. Roy, MLA	Member	Kushmandi		9775925821
4	Adhir Kumar Pal, B.D.M.O	Member	Kushmandi	03524 263486	9073938196
5	B.M.O.H	Member	Kushmandi		9830350069
6	I.C. Kushmandi P.S.	Member	Kushmandi	03524- 263452	9434732295
7	Smt. Fulmala Roy(Biswas) Karmadhyaksha Trans/Samity	Member	Kushmandi		6295326794
8	Chameli Chowhan, Prodhan, Akcha G.p.	Member	Kushmandi		8145945271
9	Smritikana Debsharma Sarkar, Prodhan, Karanji GP	Member	Kushmandi		9679944278
10	Abdur Rajjak, Udaypur GP	Member	Kushmandi		9733009931
11	Binoy Sarkar , Prodhan, Deul GP	Member	Kushmandi		9775430187
12	Sandhya Mardi, Prodhan, Kushmandi GP	Member	Kushmandi		9635209748
13	Rinki Debsharma, Prodhan, Beroil GP	Member	Kushmandi		900239435
14	Ashalata Biswas, Prodhan, Kalikamora GP	Member	Kushmandi		8145422414
15	Shyamal Sarkar,Prodhan, Maligaon	Member	Kushmandi		9002862897
17	Surojit De, IMW	Member	Kushmandi	03524 263486	9563749367
18	Dhiren Hembram , BIO	Member	Kushmandi	03524 263486	9749071423
19	Antara Bhattacharya, FEO	Member	Kushmandi	03524 263486	9007089914
20	Bhobotosh Bhuimali, H/C	Member	Kushmandi	03524 263486	9064222645
21	Subir Sarkar, SAE (A-I),	Member	Kushmandi	03524 263486	9434161982
22	Subhra Kr. Saha, SAE(BPC)	Member	Kushmandi	03524 263486	9434425488
23	Shyamal Ch. Roy, SEO	Member	Kushmandi	03524 263486	9933145084
24	Piu Karmakar Singha, SAE(RWP)	Member	Kushmandi	03524 263486	9851375240
25	Subrata Barman. Ins. (BCW)	Member	Kushmandi	03524 263486	9641204040
26	Asit Sanyasi, CI	Member	Kushmandi	03524	915318394



			i	263486	4
27	Babli Ghosh, WDO	Member	Kushmand i	03524 263486	743291806 1
28	Ajit Kumar Sarkar, ADA	Member	Kushmand i	03524- 263266	943451208 5
29	Pradip Pati, BLDO	Member	Kushmand i		974859779 5
30	Dilip Kr. Jha, F & S	Member	Kushmand i		779791931 8
31	Saradindu Naskar, CDPO	Member	Kushmand i		914376892 9
32	Amit Das, BMOH	Member	Kushmand i		983035006 9

### **Flood Shelterwise engagement of Officials & their assigned duties:**

The following officers and staff are hereby deployed in flood duty as a precautionary measure to combat the flood like situation that may arise during the monsoon prevailing in the Municipality. The officials concerned are instructed to be on high alert and jump into action when the situation so demands (Specially for Monsoon period i.e. w.e.f. June to October). They are also requested to keep liason with the Municipality and the undersigned for this purpose. It is reminded that relief duty is mandatory duty and any staff avoiding or trying to avoid such duty will be strictly dealt with.

<b>Team No.</b>	<b>Name of the Officials</b>	<b>Contact No.</b>	<b>Area of Operation (Village) &amp; Concerned Flood Shelter</b>	<b>Concerned Flood shelter</b>	<b>Role of the Team leader and other officials</b>
1	1) Bipin Ch. Mahanta, N.S	7363923859	Shibpur Haldarpara, Shibpur Uttarpara, Millpara, Shibpur	Shibpur Primary School	Bipin Ch. Mahanta is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should close contact to the Councillor, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims.
	2) Joy Sarkar, Add. Worker	9547978229	Dakshin, Joydepur and Banshihari Thanapara.		
2	3) Kajal Chatterjee, Supervisor VBD	7384576500	Koil Paulpara, Koil Roypara, Koil Adibashipara, Mayahar , Aligara east, Haldi and Mirjatpur.	Banshihari High School	
3	4) Jolly Mahanta (Sarkar), Supervisor	9593860399	Rashidpur, Hospitalpara , Hatatpara, Aligara west, Buniadpur east and	Buniadpur High School	

	VBD.		Hatpukur		
4	1) Ashok Kr. Thakur, Sahayak	8250685880	Buniadpur Dakshin,Buniad pur Paschim,Buniad pur North and Adibashipara.	Sarai Buniadpur F.P.School	Ashok Kumar Thakur is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should close contact to the Councillor, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims.
5	2) Kancha n Sarkar, Add. Worker	9733191381	Thingur Colony,Thingur Schoolpara , Thingur Proadhanpara and Buniadpur Pahanpara.	Thingur F P School	
6	3) Arup Mitra,S upervisi or VBD	8509826838	Karkha and Amoi	Karkha Jr. High School	
	4) Junas Murmu, Supervis ior VBD	7430003085			
7	1).Kaliy a Barman, E.A.	9593925298	Chaksadulla,Am suparitala and Purnyapara.	Chaksadulla F.P.School	
8	2) Amales war Sarkar, Add. Worker	9733066123	Khalapara and Sarai Nalpukur	Buniadpur B.Ed. College	

9	3)Subrat a Sarkar,S upervisi or VBD	9563667808	Malam and Saraihat	Sarai Nalpukur F.P.School	
10	1) Biplab Kr. Bose,E. O	7003671878	,Buniadpur North,Barail west and Sherpur.	Banshihari Balika Vidyalaya	Biplab Kr. Bose is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should close contact to the Councillor, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims.
	2) Souvik Paul,Ad d.Worke r	8250985608	Rangapukur and Narayanpur.		
11	3) Mampi singha Shil,Sup ervisor, VBD			Narayan pur High School	
12	1)Amal Tarafter , GPK	9434460588	Khushipur	Khushipur F.P.School	Amal Tarafdar is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should close contact to the Councillor, Civil defences as well as the Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims.
	2) Milan Sarkar, Supervis sior VBD.	9064335817			
	3) Mansur Ali ,Add. Worker	7047521457			
13	1)Megh nad Ghosh,I T	7602444411	Selimabad and Math Khidirpur.	Buniadpur Mahavidyalay a	Meghnad Ghosh is the Leader of Team and will conduct to rescue the victims by Civil defence /local club members/ volunteers etc. He should close contact to the Councillor, Civil defences as well as the
	2)	7872913486			

Sailen Murmu, GPK.				Head Quarter's control room , Boat owners etc. He will take decision where the victims be rehabilitated ( Flood Shelter or any other safe places ) . The other staff /Officials will help the team leader and participate to rescue operation and also measures the properties or lives which are lost by the calamity. They to more active in this programme. They will help to rescue the victims from concerned area and arrange to send into the Flood shelter and conduct to distribute the food, drinking water etc. to the victims.
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### **CONTROL ROOM & REPORTING CELL:**

Sl. No.	Name of the Officials	Designation	Contact No.
1	Biplab Kr. Bose	E.O	7003671878
2	Bipin Ch.Mahanta	N.S.	7363923859
3	Kaliya Barman	E.A.	9593925298
4	Meghnad Ghosh	IT	7602444411

### **URGENT REPAIRS & RESTORATION**

Sl. No.	Name of the Officials	Contact No.
1	Bipin Ch.Mahanta ,N.S	7363923859
2	Amalswar Sarkar, Add. Worker	9733066123
3	Souvik Paul,Add.Worker	8250985608
4		

### **STORE KEEPING & TRANSPORT**

Sl. No.	Name of the Officials	Contact No.	The Officials will maintain constant liason with the Team-in-charge and supply relief materials in consulation with SDO,Gangarampur at Buniadpur.
1	Ashok Thakur, Sahayak	8250685880	
2	Amal Tarafdar,GPK	9434460588	
3	Kanchan Sarkar,Add.Worker	9733191381	
4			
5			

## **PLAN OF SERICULTURE**

Sericulture is a very important economic activity of the people living in rural areas and the District of Dakshin Dinajpur has the unique distinction of promoting two varieties of Sericulture activities mainly on Mulberry Sericulture and Eri – culture.

As different activities of Sericulture are both Agriculture and Industrial in nature, there is a wide scope to promote Mulberry Sericulture and being a new venture Eri – culture in the District of Dakshin Dinajpur keeping in view of the agro climatic condition as well as Socio – economic Status of the rural people. It can create scope for sufficient employment generation of the rural people of which mostly marginal and small farmers belonging to SC/ST/Minority communities or from other backward classes.

For economic sustenance of the rural people of this District thrust has been given on the potentiality of Sericulture activities mainly on expand areas under cultivation of Mulberry Sericulture host plants in farmers` field, develop such cultivation and silk worm rearing practices in the farmers level. Progressive Sericulture practicing Blocks in Dakshin Dinajpur are, namely - Kusmandi, Gangarampur, Tapan and Banshihari. Skill up-gradation is one of the tools to make the farmers a progressive one with the concept of Technology – Transfer on the subject.

Present trend of Sericulture activities of this District reveals that the demand and consumption of Disease Free Layings mainly for commercial crops are being increased gradually at farmers` level. As a whole awareness and motivation with mind set – up has been grown – up amongst the villagers for doing Sericulture crop like other agriculture crop as a source of additional income.

In case of Eri – culture programme initiated since last few years, another way of substantial scope for income generation to the rural women through individual attempt and SHGs especially to the SC/ST women of BPL families has been opened as a new venture in the District. As there is resource of abundant naturally grown Castor plantation available on the road side of the villages particularly in the Sericulture practicing Blocks i.e., Kusmandi and Banshihari, Eri Silk worm rearing is being practiced regularly following the crop schedule without any investment except family labour. Preparation of Eri Seed i.e., Grainage operation has also been taken up in the crop programme at rearers level to cater the demand of Eri Layings of own aiming strengthening the Sector economically.

Parameters	Nos.	Particulars
<b>Total Area under Mulberry</b>	<b>350 Acres</b>	Mulberry - 310 Acres; Castor – 40 Acres.
<b>Total No. of Blocks</b>	<b>8 Nos.</b>	Kushmandi, Banshihari, Gangarampur, Hili, Kumarganj, Harirampur, Balurghat & Tapan.
<b>No. of Block under Sericulture</b>	<b>4 Nos.</b>	Gangarampur, Banshihari, Kushmandi & Tapan
<b>No. of G. P. Covered</b>	<b>15 Nos.</b>	Udaypur, Maligaon, Kushmandi, Shibpur, Mahabari, Belbari-I, Belbari-II, Jahangirpur, Sukdevpur, Challon, Nandanpur, Rampara-Chehra, Ramchandrapur & Gurail.
<b>No. of Village Covered</b>	<b>44 Nos.</b>	
<b>No. of Farmers Covered</b>	<b>700 Nos.</b>	Mulberry – 600 Nos.; Castor – 100 Nos.
<b>No. of Reeler</b>	<b>Nil</b>	
<b>Parameters</b>	<b>Nos.</b>	<b>Particulars</b>
<b>No. of Licensed Reelers</b>	<b>Nil</b>	
<b>No. of Spinner</b>	<b>Nil</b>	
<b>No. of Ghosh Basin</b>	<b>Nil</b>	
<b>Total acreage under host plant plantation</b>	<b>332 Acres</b>	Mulberry - 310 Acres; Castor – 40 Acres.
<b>Total Commercial Cocoon Production</b>	<b>5.56 MT</b>	During 2017-18
<b>Government Sericulture Farms</b>	<b>3 Nos.</b>	M.M. Farm – Kumarganj, Khidirpur & T.D. Farm - Balapur
<b>Sericulture Extension Wings</b>	<b>2 No.</b>	T.S.C. - Gangarampur & Extension Unit -Tapan
<b>Consumption of d.f.lays.(Pvt. Level)</b>	<b>31,000 Nos.</b>	Cross Breed – 21,000, MV – 7500, BV - 2500
<b>Production of Silkworm Seed (Govt. Source)</b>	<b>25,000 Nos.</b>	Cross Breed – 25,000.

**Infra –Structure Availability:**

- 1. District Set-up** : District Head Quarter at Balurghat Headed by Assistant Director of Sericulture, Dakshin Dinajpur.
- 2. Extension Wings** :
- (A) Technical Service Centre** : One T.S.C. at Gangarampur, headed by one Extension Officer and 1 Demonstrator to look after and monitor Sericulture activities in the areas of Gangarampur, Kusmandi and Banshihari Blocks.  
**Contact No. 9434723346**
- (B) Extension Centre** : Tapan Extension Area with one Demonstrator who looks after and monitor Sericulture activities in the Tapan Block.  
**Contact No. 8900521748**
- 3. Government Farms** : This District has 3 Sericulture Farms;  
# One at Khidirpur in Balurghat Block, **Contact No. 9547250679**  
# One at Balapur in Tapan Block, **Contact No. 9434760021**  
# One at Mohana in Kumarganj Block, **Contact No. 6295165940**

**Loss of Sericulture Farmers during 2017-18 due to heavy rainfall :**

Sl. No.	Name of the Extension Unit	Total Sericulture Area Affected ( Ha )	
		Mulberry	Eri
1.	Gangarampur	56	15
2.	Tapan	12	Not Applicable

**Status of Rearing During Rainy Season & Post Flood Restoration Measures**

1. Rearing season coincides with Asari & Bhaduri crops. Due to heavy rainfall & water logging in mulberry field most of the farmers avoids this two crops.
2. Farmers are advised to use lime & some other disinfectants to avoid crop loss due to bacterial & viral diseases prevailing during this season. Same measures are also taken in Govt. Farms.
3. Arrangement of buffer stock of seed cocoons maintained in other Govt. Farms outside the district.
4. Proper disinfection of Rearing House & Rearing Appliances by using Sanitech, Lime etc.

**Plan of Animal Resources Development, Balurghat**  
**ACTION PLAN FOR NATURAL CALAMITY 2019-20**

**TYPES OF NATURAL CALAMITY**

On the basis of loss valuation, the natural calamity can be divided into two :

1. Major Natural Calamity.
2. Minor Natural Calamity.

**1. Major Natural Calamity**

- Flood
- Cyclone
- Drought
- Earthquake
- Sunstroke.

**2. Minor Natural Calamity**

- Landslide.
- Thunderstorm.

**COMMUNICATION**

Warning and Notification

Warning : Initially, We will monitor the impact of any calamity and its potential for devastating.

Notification :

1. Initial Notifications
2. Secondary Notifications

**MANAGEMENT**

**FIRST ACTIONS**

- A. Establish an ongoing communications link with the affected area and gather information and other data to compile an initial assessment of the emergency.
- B. Activate mutual aid system through direct communications
- C. Develop the initial Veterinary and health response action plan.
- D. Determine the need to activate and deploy liaison and/or field rapid assessment team into the affected area.
- E. Establish daily state wide interagency conference calls.
- F. Logistical support as required for procurement, mobilization and transport of requested resources.

**IV. FACILITIES**

- A. ARD has District and Block level Administrative Set Ups.
- B. State/Block/Additional Block Animal Health Centres.
- C. Animal Dev. Aid Centres in all Gram Panchyets.

**During a Calamity:**

A calamity is considered an incident that is beyond the scope where individual, local and community resources can deal with the event as an emergency. This usually indicates the event either happens very rapidly, there is no mitigating control, or both. This is why emergency service responders use the idiom “You respond to emergencies—you recover from a calamity.”

Normally, the response time for calamity is extremely limited. If farmers are not aware of pre-existing conditions, farmers will have even less time to respond. It’s important to mentally develop a priority system for safety efforts. The accepted sequence for safety and evacuation is people first, then pets, then livestock, then property. Farmer’s personal priority system may vary but they should always put the safety of people far ahead of other concerns. Understand that their desires to address pets, livestock, and property will not precede the personal safety of everyone in the calamity-affected area.



**Flash floods:**

Livestock have a natural move away instinct to flash flood waters. They generally seek higher ground if possible. It is important to allow livestock a way to reach high ground in each pasture. Without access, livestock will fight fences and be at a greater risk of drowning. Livestock will initially panic during flash floods. This complicates livestock handling.

**Large Floods:**

Since large-scale floods are more predictable and usually slower to develop than flash floods. Livestock will move gradually away from rising floodwaters to higher ground. Unfortunately, the higher ground may not be high enough to compensate for the final flood level of large-scale floods.

**Drought:**

Drought is a silent calamity (along with famine and pestilence) because it has a slow onset period that does not encourage monitoring because of its discomfort. The key elements to managing animals in drought disaster are food, water and shelter. The lack of any of these factors, or a scarcity of one or more, can lead to a slow death for livestock. Animal reaction to drought is slow and vague until at critical health levels. Of all the calamities, drought has the greatest potential to affect the widest area, often impacting multi-state regions at the same time.

**Suggestions for animal safety:**

Do not leave halters or headstalls on animals in holding pens or when released. They can catch the tack on trees, equipment and other obstructions.

Do not tie animals together when releasing them. The connection creates a hazard for the animals and people trying to recapture them.

Try to avoid releasing animals unless absolutely necessary to protect your safety. They may run accidentally towards other risks.

Report the location, identification and disposition of your livestock to authorities handling the calamity; especially if your animals are aggressive or nervous by nature.

**Disposal of a dead animal during calamity cleanup:**

It is usually the responsibility of the owner or person in charge of domesticated animals to appropriately dispose of dead animals in accordance with local or state ordinances within 24 hours after knowledge of the death. It can be the responsibility of the municipal or county government to designate appropriate people to dispose of any domestic dead animals whose owner cannot be identified.

**Burial of animal:**

Each farm operation should have specific plans for animal disposal in the event of an emergency. Farm operations should check with state and local authorities to ensure their plan meets local requirements. These guidelines are intended to address dead animal disposal during a declared emergency. They do not take the place of the dead animal disposal that occurs under the normal permitted operation of a farm.

**PLAN & PROGRAMME FOR NATURAL CALAMITY SITUATION 2019-20**

**Nodal Officer :Dr.Samir Kumar Modak DVO(I/C O/O Dy. Dir.ARD & PO, D/Dinajpur)**

**Control Rooms: Three tier control room set up as follows :**

**District Control Room :**

Control Room		Designated Officer	Designation	Contact No
Location	Phone No			
<b>O/O DD,ARD D Dinajpur</b>	255645	Dr. Samir Kumar Modak	DD, ARD	7604010028(o)
		Dr. Samir Kumar Modak	DVO	9434194636(p)
		Dr.Amitabha Basak	AD,ARD(Vety)	8906648959

		Dr. Sandip Samanta	DEO,PBGSBS	9434336435
		Sri Debabrata Sen	AD,ARD(M)	9732150925
		Sri Samir Kumar Biswas	Head Clerk	9051167081
		Sri MurariMohan Chakraborty	Farm Worker	9635091879
		Sri Joyanta Murmu	Chowkidar	9679873363
		Smt. Krishna Paul	Office Peon Gr.D	
<b>SAHC,Balurghat</b>	255280	Dr.Palash Hansda	V O SAHC Blg	9830965809
		Dr.Snehasish Banerjee	AD(DI)	9831454719
		Sri Kaushik Banerjee	Group D	9474674685
		Sri Tarun Sarkar	Group D	9474674032
		Sri Mukul Chndra Das	Lab. Attendent	
<b>SPF, Balurghat</b>	255429	Dr. Malay Kanti Adhikary	AD ( C & DD )	9735309531
		Sri Ajoy Prasad	Cleaner	9903368841
		Sri Manna Kundu	Poul Overseer	
		Smt. Bipula Barmn	Peon Group D	
		Sri Sattya Roy	Night Guard	

**Sub -Divisional Control Room for Gangarampur at Buniadpur:**

Control Room		Designated Officer	Designation	Contact No
Location	Phone No			
SAHC,Buniadpur	*	Dr.Maniklal Saha	VO, SAHC (in charge)	9434246889
		Sri Sabyasachi Pandey	Pharmacist	9433654401
		Sri Nayan Ghosh	Gr-D	
		Sri Pradip Kr Roy	Gr -D	

**Block Level Control Room :**

BLOCK	Control Room		Designated Officer	Designation	Contact No
	Location				
Balurghat	BLDO Office		Dr Kalyan De	B L D O	9434503703
Kumarganj	BLDO Office		Dr Mihir Kumar Ghosh	B L D O	9434633318
Hili	BLDO Office		Dr Provakar Biswas	B L D O	9593445866
Tapan	BLDO Office		Dr Debasish Ghosh	B L D O	9434542348
Gangarampur	BLDO Office		Dr Swapan Bala	B L D O	9474071848
Bansihari	BLDO Office		Dr Maniklal Saha	B L D O	9434246889
Harirampur	BLDO Office		Dr Nilratan Mondal	B L D O	7872706885
Kushmandi	BLDO Office		Dr. Pradip Pati	B L D O	9748597795

**Necessary Action will be Taken :**

- \* All Officers and Staffs will be alerted by the Dy. Director, ARD, Dakshin Dinajpur.
- \* The Director, AH&VS, WB will be requested to allot necessary fund for medicine
- \* The Dy. Dir, Agri (Adm) will be requested to preserve 200 MT paddies straw as an emergency.
- \* The Officer In-charge, Gazole Feed plant will be requested to stock 50 MT Cattle feed for D. Dinajpur.
- \* The AD (DI) will be instructed to procure & preserve sufficient vaccines at Balurghat&Buniadpur as per availability for conducting Mass Vaccination Programme.
- \* District Veterinary Officer, D. Dinajpur will be requested to preserve a token stock of medicine.

\* All the Block Label ARD Officers will be requested to keep close contact with the Block Administration for safe custody of affected animals.

\*Mass Vaccination Programme will be continued at the time of probable Pre Calamity Period. Also to be continued after the Calamity.

\* Refreshers Training of all concerned to be conducted as and when necessary.

\*All ARD Officials will be alerted to keep close liaison with other Government and Non Government Organizations during combating the Multi Hazards Disaster Operation.

#### **POSTCALAMITY SITUATION :**

- This will be the most important task to our Department.
- Necessary care to the rest of the animals to be secured mainly the health and nutritional point of view.
- Assessment of losses will be evaluated by the ARD personnel's as per advice of the District Authorities.
- Assistance to farmers will be done as per guidance of the State.

## Plan of Balurghat (Agri Irrigation) Division

### **Hazards, Risks and vulnerabilities of the functions of Water Investigation & Development Department.**

1. Nature of minor irrigation Infrastructure and its span in the Block:  
Deep Tube well, Heavy Duty Tube well, Medium Duty Tube well and state owned Shallow Tube Well installed in different block for providing Irrigation facility.
2. Physical Vulnerabilities of the structures towards Natural Disasters like Cyclone, floods, Earthquake, Drought: Pump House of M.I. Scheme & electrical appliances like Starter, main switch may be damaged. Pipeline may be swept away. Routine Repair & maintenance of pump house, pipeline is carried over after monsoon.
3. The current service pattern of Minor Irrigation Facilities at the Block and the major Seasonal Risks & Vulnerabilities: Operator/Asst. Operator posted at Block communicates regularly to the concerned Assistant Engineer (A-I)
4. Any special programme facilities now in place towards creation of new infrastructure /facilities or maintaining /renovating of the existing ones: New project taken up under RIDF, PMKSY, & Renovation work taken under core sector Programme.
5. The picture of Irrigation potential now in place and the Command Area/total service provided: DTW/HDTW- 40Ha., MDTW-20Ha.
6. The general Occurrence of Breaching or drying of the sources and consequent disasters: There is no scope of breaching or drying of the sources of HDTW/MDTW.
7. What are the major problems generally noticed during the major Natural Disasters like Cyclone, Floods, Drought: Partial damage of pump house, Electric pole, Electrical appliances like starter, main switch, pipe line may wash away during natural disaster.
8. What are the strategies of Disaster Management plan of the Water Investigation & Development Department: Regular Monitoring of the Operator/Asst. Operator by the Executive Engineer / Assistant Engineer frequent visit of the structure and adequate storage of spare parts are the strategies to combat the disasters. If modern flood prediction system is developed/installed by the concerned department (i.e. by I & W Dte.) and information regarding occurrence of flood is received beforehand, the electrical/mechanical equipments may be shifted to safe custody and damage of Govt. materials may be prevented to a considerable extent.
9. During Drought approximately 2000 Ha. area will be brought under assured irrigation by own & operated HDTW / DTW / MDTW / SOSTW schemes.

#### **10. Control Room at Balurghat (A-I) Division, Balurghat, Dakshin Dinajpur:**

SL. NO.	NAME	DESIGNATION	MOBILE NO
1	Sri Dayamoy Ghosh	Executive Engineer(A-I)	9932842328
2	Sri Tapas Kumar Kundu	Junior Engineer (Civil)	9474074107
3	Sri Kalipada Saha	Head Clerk	8250682450
4	Sri Nitish Kumar Das	Peon	8906156623

## **INTRODUCTION:**

Dakshin Dinajpur District is sufficiently rich in fisheries. Almost 30% of people gets their livelihood support out of these water areas directly or indirectly. We have 9001.43 Hectares of water bodies catering to the following blocks apart from big water bodies of 232.98 Hectares :

SI No	Name of Blocks	Private owned		Govt. Owned		Total(in Ha)	
		Nos.	Areas (in Ha)	Nos.	Area (in Ha)	Nos.	Area (in Ha)
1	Balurghat	48538	1273.28	0	-	-	1273.28
2	Hili		360.83	1	6.02	-	366.85
3	Kumarganj		948.30	3	15.02	-	963.32
4	Tapan		1552.30	5	57.49	-	1609.79
5	Gangarampur		1617.12	2	23.04	-	1640.16
6	Banshihari		678.20	-	-	-	678.20
7	Harirampur		1085.10	17	99.55	-	1184.65
8	Kusumandi		1486.30	3	31.86	-	1518.16
<b>TOTAL</b>		<b>48538</b>	<b>9001.43</b>	<b>31</b>	<b>232.98</b>	<b>48569</b>	<b>9234.41</b>

Out of the above water bodies 10-12% are cultivated for rearing of fry/ fingerlings & 88-90% for cultivation of table/ big fish. The production is as follows. This district has 11 nos. of hatcheries producing spawn of Inland Major Carp (IMC) and indigenous varieties too. The district is hopefully excess in producing seeds/ table fish in respect of demand. Excess production is sent to other districts/states.

## **DISTRICT SET UP:-**

The Assistant Director of Fisheries in the district is assisted by District Fishery Officer (normal), District Fishery Officer (Trg) and District Fishery Officer (Co-Op) in different wings of fisheries works. The block level Fishery Extension officers look after the implementation of the fisheries schemes at block areas. They are solely responsible to see and expand fishery activities under the Block Development officer and in consultation of Panchayet Samity. Their contacts are given below :

SI No	Name of The Block	Name of the Fishery Extension Officer	Contact No
1	BALURGHAT	Smt. Tanushree Maity	9007794322
2	HILI	Miss. Antara Bhattacharya (Addl.Charge)	9007089914
3	KUMARGANJ	Sri. Sumit Mondal (Addl. Charge.)	9874718206
4	TAPAN	Sri. Sumit Mondal	9874718206
5	GANGARAMPUR	Sri. Pritam Saha	9007089942
6	BANSHIHARI	Smt. Kuheli Mondal	9831763159
7	HARIRAMPUR	Sri. Amit Majumder	9831763167
8	KUSUMANDI	Miss. Antara Bhattacharya	9007089914

There are 11 nos. of Fishermen' Co-operative societies having the aquaculture/ Business on pisciculture activities for their economic upliftment. All of the these societies have community halls except Hili/ Tapan Thana/ Harirampur Block FCS Ltd. for holding meetings etc. which may come under use of flood victims. They do possess boats/nets which may be utilised during disaster. Fishery Extension Officers of blocks has control over these societies and they work with the Board of Directors of the societies.

## **FISHERY CO-OPERATIVES :**

SI No	Name of Co-operative society	Name of the Block where located	Whether possess			Contact No
			Community Hall	Boats	Nets	
1	Balurghat FCS Ltd.	Balurghat	Yes	Yes	Yes	9002514604
2	Hili FCS Ltd	Hili	No	No	No	9932287889
3	Dahaghat-Jamalpur FCS Ltd.	Do	Yes	Yes	Yes	8154186618
4	Lalpur FCs Ltd.	Do	Yes	Yes	Yes	9609996332
5	Kumarganj Block FCS Ltd.	Kumarganj	Yes	Yes	Yes	8116659502
6	Tapan Thana FCS Ltd.	Tapan	NO	Yes	Yes	9733785355
7	Gangarampur MSS Ltd.	Gangarampur	Yes	Yes	Yes	9434511734
8	Banshihari FCS Ltd.	Banshihari	Yes	Yes	Yes	9734511734
9	Manipukur FCS Ltd.	Banshihari	Yes	Yes	Yes	7679528635
10	Harirampur BFCS Ltd.	Harirampur	NO	Yes	Yes	9733381640
11	Kushmandi BFCS Ltd.	Kushmandi	Yes	Yes	Yes	9647429213
12	D/Dinajpur CFCS Ltd.	Balurghat	NO	NO	NO	6294417524

D/Dinajpur CFCS Ltd. situated at Power house, Balurghat has a spacious floor which may be used for flood victims if required.

## **LOSS IN FISHERIES DURING FLOOD:-**

Inundation of water bodies generally takes place during the months of September-October and normally if 25% to 30% of the total water areas are affected on an average, the block wise loss may be the following extent considering the vulnerability of the areas:-

SI No	Name of the Block	Water area may be affected (Hectare)	Loss of Fish (MT)	Amount (Rs. In Lac)
1	Balurghat	260.00	312.00	343.20
2	Hili	70.00	84.00	92.40
3	Kumarganj	400.00	480.00	528.00
4	Tapan	220.00	264.00	290.40
5	Gangarampur	700.00	840.00	924.00
6	Banshihari	250.00	300.00	330.00
7	Harirampur	200.00	240.00	234.00
8	Kushmandi	350.00	420.00	462.00
TOTAL	8 Blocks	2450.00	2940.00	3204.00

## **PRE-FLOOD MEASURES:-**

1. Fish farmers may arrange for protection of pond embankments so that rain water may not wash out the weak embankments, if not severe inundation takes place.
2. Nets may be kept ready for fencing surroundings the pond area and thus, not to allow fishes to go out the water bodies if not the area is badly inundated.
3. To avoid the occurrence of loss due to flood, farmers may harvest a crop before the month of September.
4. Arrangement may be made for sufficient stock of fish fingerlings elsewhere.

## **POST FLOOD RESTORATION MEASURES:-**

1. For disinfection and further use of water bodies affected, lime treatment is required and after which such ponds may be brought for pisciculture.
2. Liberation of fingerlings may be arranged to compensate loss of fish.

## **PLAN OF THE COMMANDANT, 183 BN BSF,**

### **INTRODUCTION:-**

183 BN BSF is presently deployed under SHQ Raiganj (Frontier North Bengal) and guarding the INDO-BANGLADESH International Boundary from Border Pillar No.261/5-s to 281/54-s with length of the IB 48.892 kms. The border area falls in the Dist of Dakshin Dinajpur (West Bengal). 06 Coys of the Unit with 11 Nos of Border Out Posts are manning the Area of Responsibility (AOR) to guard and preserve the sanctity of the International Boundary along with task to prevent smuggling and other transborder crimes in the AOR. The Unit has been deployed in the area since 24/09/2016.

### **FLOOD RELIEF OPS:**

#### **Background:-**

There was a sudden, unexpected and alarming flood situation during monsoon season in the year 2017 in entire plain areas of Dakshin Dinajpur. Bulk of population/border areas got cutoff. This caused difficulties not only to the local population but also to the Distt. Administration. Hence, keeping this in view and to get the Distt. Machinery respond quickly and in planned and coordinated manner, it is required that a contingency plan be planned through Distt. Disaster Management Cell incorporating the contingency plans of all Govt. Department viz., BSF, Police, Fire Fighting Station, Forest Dept., Irrigation and water ways dept., Fisheries dept, PHE, PWD, CPWD, WBSSEDCL, Dist Food & Supplies, NGOs And Voluntary Organisation etc. in the Dist. So that such emergency situation could be better managed and handled synergically.

#### **Contingency Plan:-**

In view of the above, 183 BN BSF has prepared a contingency plan for dealing with the Flood situation. The Contingency plan has been worked out at three levels:-

At Battalion HQ level and

At Coy level at the Border area (in the Area of Responsibility)

In aid to Civil/Distt. Authorities

#### **The broad outline perspective of the Contingency plan is as under:-**

The Contingency plans for Flood disaster management both at the Battalion as well as at Coy level in Border area (AOR) have been worked out to be carried out in three phases/stages as:-

- (a) Preparatory phase (For Preparedness/Pre Flood measures)
- (b) During Flood
- (c) Post Flood phase

#### **BN HQ level Contingency plan:-**

The BN HQ 183 BN BSF is situated at Atrai, Patiram, D/Dinajpur. The Bn HQ is co-located with another BSF Bn (199 BN BSF). There is a River Atrai flowing near to the campus in the east direction flowing from North to South, at a distance of about 500 mtrs approx. The river flows perennially. The width of the river normally remains 150-200 mtrs with depth of approx. 3-10 mtrs. However during monsoon season the volume of water increases tremendously with the extent of width reaching upto 500-2000 mtrs inundating a wide catchment areas and affecting the areas all around the BSF Campus. The level of flood water in the BSF campus during last flood was around 2-3 ft. with most of the campus area remained flooded for over one week.

Keeping the flood situation in the campus, following points have been taken into consideration in the contingency plan:-

**Preparatory Stage:-**

- (i) All the low lying areas, buildings and other infrastructures existing in the area that are prone to be affected by the flood in the campus have been identified and marked.
- (ii) High raised areas /buildings and grounds in and around the campus have also been identified for use during such situations.
- (iii) Marking of roads using long poles on the sides , and even the dangerous areas like drains,low lying areas to restrict movements of troops and their families.
- (iv) Places and mode of shifting all essential stores of the Unit to safer places (duly identified),identifying and marking of routes and security of stores.
- (v) Advance stoking of rations/stores/medicines/POL/cooking gas etc.
- (vi) Drinking water facility.
- (vii) Routine day to day functioning without any disturbances.
- (ix) Organising Disaster Incident Management team (DIMIT) at the Bn level and framing of their charter of duties.
- (x) Constituting of a Flood Rescue team in the Unit comprising of NDRF trained/repatriated personnel and other swimming knowing personnel of the Unit ,providing suitable equipt for the purpose and providing Refresher trg to the Team,who can be utilized in the Unit and can assist the Distt. Admn in emergency.
- (xi) Keeping Medical teams ready 24x7 with Ambulance,all necessary medicines and lifesaving equipt.
- (xii) Shifting of controlled items to safer places in advance.

**During Flood:-**

- (i) Warning order by the DIMIT to all concerned through fastest means of communication.
- (ii) Warning to troops and families.
- (iii) Switching off electrites to avoid any electrical hazard.
- (iv) Immediate shifting of manpower and light stores to safer places earmarked beforehand.
- (v) Constant watch on flood situation placing guards.
- (vi) Distribution and stocking of drinking wter and essential food items.
- (vii) Monitoring of health hygiene & sanitation.
- (viii) Distribution of medicine and cook food to needy.
- (ix) Sending rescue teams to nearby local ares as per requisition by district administration.

**Post Flood phase:-**

- (i) Clearing/Cleaning and disinfecting all flood affected areas.
  - (ii) Draining out of accumulated and residual flood waters fromlow lying areas using suction/ sewerage pumps.
  - (iii) Inspection of ares by Unit Medical Officers and his team.
  - (iv) Disinfection of drinking water source.
  - (v) Ensuring proper physical audit of condition of all stores after flood.
  - (vi) restoration of essential services like water supply and electricity in the campus.
  - (vii) Shifting of troops and stores back to their respective places and resuming of normal duties and office functioning.
  - (viii) Assisting local district dministrative in distribution of flood relief material to the needy in Boder area.
- (II) Contingency plan at Border BOP level in AOR of the Unit:-

**Preparation stage:-**

- (i) Identifying all flood prone low laying areas within and nearby area & in the BOP(Coy wise) in the light of past history and with priority for attending in case of flood situation keeping in view the troops and sensitive / controlled items.

It is pertinent to mention here that during 2017 flood in the boder area

BOP Durgapur were affected with the flood reason being the BOPs are in vicinity of Shree Nallah and Ghagrakhari Nllah respectively as also the general area is low lying. However,the boder road in the area being on raised ground was not affected by the flood water barring one or two places having causeway.Hence, the border road in the area to some extent can be used in case of emergency.



- (ii) Identification of high rise buildings / high ground areas in the BPO and adjacent / nearby area , which can be utilized for immediate shifting of manpower and stores in case of emergency.
- (iii) Identifying routes and alternative routes in case of flood, to Bn HQ, Distt HQ D/Dinajpur and flanking BOPs.
- (iv) Mode of shifting of controlled items / equipt and other stores.
- (v) Advance stocking of ration, Medicines, POL, cooking gas etc necessary to sustain the emergency in case of flood.
- (vi) Making available Food rescue team at Coy leavel with necessary safety equipments like life jackets,ropes, inflated tubes and improvised rafts/boats etc.
- (vii) Medical team with sufficient medicines and lifesaving drugs.
- (viii) Early Warning system.
- (ix) Means of communication with Flood rescue team(s) in case of rescue operation,
- (x) Regular liaison with the Dist. Authorities through BDO, Pradhan Gram Panchayat, Disaster Management authorities, Police authorities etc. regarding development/progress regarding preparedness at their leavel for synchronizing efforts for better management during crisis.
- (xi) Hiring of Country boats atleast for BOP Chakgopal and BOP Durgapur for use by troops during flood is a better option and being examined.

#### **During Flood:-**

- (i) Warning order to all concerned about Incident through faster means of communication.
- (ii) Warning to troops and nearby border population.
- (iii) Switching off electricity to avoid any electrical hazard as soon as the flood water starts increasing and water logging starts in the area.
- (iv) Immediate shifting of manpower and stores to earmark safer places if warranted.
- (v) Constant and round the clock watch on flood situation by placing OPS in the AOR.
- (vi) Prevent any infiltration/exfiltration attempt across the IB by keeping close vigil on the movement of boder population on both sides of the IB.
- (vii) Assist boder population wit flood rescue matirials and their shifting to earmark high ground by the district administration on requisition.

#### **Post Flood phase:-**

- (i) Clearing / Cleaning and disinfecting all flood effected buildings/ infrastructures / areas.
- (ii) Draining out of accumulated and residual flood waters from low lying areas using suction/Sewerage pumps.
- (iii) Inspection of area by Unit Medical Officers and his team.
- (iv) Disifection of drinking water source.
- (v) Ensuring proper control of the situation.
- (vi) Restoration of essential services like water supply and electricity in the campus.
- (vii) Shipting of troops and stores back to their respective places and chaking of all controll items.
- (viii) Resuming of routine OPS duties.
- (ix) Ensuring proper distribution of flood rescue materials and medicines to the boder population on being provided by the district administration.

#### **FLOOD RESCUE AND RELIEF OPS IN AID TO CIVIL ADMINISTRATION:-**

This Battalion has also worked out modalities and prepared Contingency plan to assit the Civil administration in following manner in case of such emergency:-

- By providing water tankers / trucks for supplying drinking water/food/stores to flood victims.
- Providing Medical assistance with Ambulance service , organizing Mobile Medical Camps and Medical camps under unit Medical team to the flood victims.
- Distribution of drinking water ,food packets to flood victims.
- May provide manpower assistance for flood rescue operation utilizing trained personal in extreme emergency condition after clearance from Competent Authority.

- Organising Flood rescue training to villagers to raise a team of volunteers who can be utilized in case of emergency with the help of the flood rescue material provided by the district administration.
- A Nodal Officer will be deetailed from the Unit who will be in regular touch with the Distt Disaster Mangement Cell well before advent of the monsoon season so that right from preparatory stge till post flood stage things can be better managed keeping major thrust on Disaster preventive measures .

**Note for consideration :-**

In the entire area of responsibility of this 183 Bn BSF, the Indo - Bngladesh Boder Road (IBBR) having width aprox. 10 feet is constructed in the 100 ft. width land acquired by the BSF for development of border infrastructures viz., Boder Road, Boder Fencing and Boder Flood Lights,with protection wall. Sence these infrastructures have been constructed on raised ground keeping the HFL (Hight Flow Limit) in the area, remains generally safe during the flood.Hence,the boder road can be utilized for temporary shifting of boder populatins, their lives stocks etc. foe safety during such emergency period. Keeping this aspect in view, the boder road in vicinity of villages which are prone to flood , may be increased in the width by earth filling along side so that such area can be well utilized by the boder villagers during flood. Distt. Authorities may consider the work under MNREGA programme for the safety and security of the boder population in the area dering flood.Also this unit may be provided wit flood rescue material and sufficient Medicines during monsoon season for the boder population.

**PLAN OF BALURGHAT FIRE STATION**

**INTRODUCTION:-**

We would like to inform that the all Items and Awarness Program as well as alertness publicity on Fire Safety Measures to make consciousness the public for whole area. In the public services, Brigade kept in ready to overcome the emergency and contingency period for 24 Hours.

**The Items which kept in ready are given below:-**

**A. WATER TENDER:-**

- a) MP- 77(WB-03D/3818) Vouser.
- b) MP-393(WB-03D/3044)
- c) WC-86(WB-03D/4270) Water Carrier
- d) WC-18(WB-03C/2687) Water Carrier
- e) MSWT-73(WB-03D/2340)
- f) MWT-26(WB-61A/2979) Foam concentrated Vehicle, It is used only for oil fire which is kept in ready for 24x7 Hours.
- g) Utilized van:- UV- 46(WB-61/3291), it is ready for narrow lane in village / town and rescue job which is kept in ready for round the clock.
- h) Portable Pumps:- i) RPP- 323, ii) Honda Pump- 290, iii) Honda Pump- 124, iv) Honda- 1&2, These pumps are used for open source of water – pond, River, Canal etc.

**B. FIRE FIGHTING EQUIPMENTS:-**

Extinguishers:- CO2, DCP(ABC+BC), Water CO2, AFFF, FMB-2, 5X with foam drum.

**C. RESCUE GEARS:-** Lowering Line, 14 LB Hammer, Pick-axe, Crowbar, Big-axe, Curved Iron Rod, Electric wood cutter, Chain saw, Gaint drill, Concret Cutter etc. To overcome the contingency period.

**D. EXTENSION LADDER:-** 3Folded extension ladder, 2Folded extension ladder, which are used for ascending and descending on rescue spot.

**E. ESPECIAL JOB:-** Building Collapse, Road Accident, Well Accident, Train Accident and ny life saving – Brigade is ready to overcome the job.

**F. Awareness Program:-** Fire Brigade makes public consciousness by SDO/Block level by making fire awareness program is every year about fire fighting and safety measures.

**G. Brigade Celebrates the “ FIRE SAFTY WEEK”** in every year which w.e.f 14<sup>th</sup> April to 20<sup>th</sup> April continuously To make public consciousness about fire.

**H. FASTIVALS AND MELA:-** In Durga Puja, Kali Puja as well as idol emersion period and others Govt. Cultural Mela festival , Brigade kept in ready their vehicles to overcome untowards position.

**I. STAGNANT WATER:-** After flood and heavy rainfall, Brigade always ready to drain out the stagnant Water by using portable pumps.

**NAME OF OFFICERS AND CONTACT NUMBERS:-**

SL.NO.	NAME	DEGINATION	NUMBER
1	Lakshman Ch. Karmakar	Station Officer	9153210232
2	Narendra Nath Roy	Sub/Officer	9749062026
3	Upendra Nath Roy	Sub/Officer	8768942625

**PLAN OF DISTRICT HEALTH DEPARTMENT, Dakshin Dinajpur**

**Name & contact details of block nodal officers:**

SI No	Name of RH / BPHC	Name of Supdt / BMOH	Mobile number
<u>1</u>	Hili RH	Dr. Rugranshu Majumder	8584016555
<u>2</u>	Khashpur BPHC	Dr. Arpan Sarkar	7872323239
<u>3</u>	Kumarganj BPHC	Dr. Pushpendu Bhattacharjee	9830330457
<u>4</u>	Tapan BPHC	Dr. Debesh Nath	9434328248

5	Gangarampur SDH	Dr. Amal Krishna Chudhary	9434055946
6	Rasidpur BPHC	Dr. Plaban Mandal	9474011411
7	Harirampur BPHC	Dr. S.K.Sauvhik Alam	7797836838
8	Kushmandi BPHC	Dr. Amit Das	9830350069

**Status of Submerged Health Institution during Flood, D/Dinajpur:**

Name of the Block	No. of Submerged Centers		
	RH/BPHC	PHC	SC
Gangarampur	0	0	9
Banshihari	1	0	1
Hili	0	1 (Binsira)	3
Balurghat	0	1 (Dakra)	10
Kumarganj	0	0	0
Kushmandi	0	1 (Aminpur)	11
Tapan	0	0	5
Harirampur	0	1 (Balihara)	6
<b>Total</b>	<b>1</b>	<b>4</b>	<b>45</b>

**Substitute place planned for health establishments likely to be affected:**

Sl No	Name of the Health establishment likely to be affected	Alternative place where service delivery is planned to be shifted
1	Rashidpur RH	Gangarampur SDH
2	Saiyedpur GP	Balihara PHC
3	Gokarna GP	Balihara PHC
4	Bagichapur GP	Harirampur RH
5	Ramparachenchra, Kasbabatoir, Nimtoir, Nogaon, Mandapara (Tapan Block)	Ramparachanchara GP office,
6	Monoholi, Bazrapukur (Tapan Block)	Bazrapukur SC
7	Dhulchandriya (Tapan Block)	Horsura GP Office
8	Kardaha, Sukdebpur (Tapan Block)	Ramchandrapur GP Office
9	Ghatika, Nababnagar, Bakhorepur (Tapan Block)	Gurail GP office
10	Kakna, Bishnupur SC (Tapan Block)	Autina GP office
11	Gofanagar SC, Badsankair (Tapan Block)	Gofanagar GP, Badsankair SC
12	Hili RH	NA
13	Trimohini PHC	Trimohini Flood Shelter
14	Binshira PHC	Binshira GP Office
15	Dakra PHC	Rail Station
16	Khashpur RH	Khashpur Community Hall

**List of areas likely to be affected with proposed additional service point:**

Name of Block	Popu-location at risk	additional service point planned with probable name of the place like school, GP office etc.		
		Probable no of mobile medical teams required	Temporary medical OPD service points (name of the place)	Temporary (24x7) medical service point with beds (name of the place)
Hili	37348	7	Hili RN High School, Panjul GP Office,	Hili RN High School, Panjul GP Office,

			Trimohini Flood shelter, Binshira GP Office & Jamalpur Flood shelter	Trimohini PHC, Teor KA High School & Jamalpur Flood shelter
Balurghat	<b>100131</b>	<b>5</b>	Patiram SC, Bhushila SC, Hajipur SC, Chingishpur SC	Kamarpara PHC & Bolla PHC
Kumarganj	<b>72468</b>	<b>8</b>	G.P. Office	Kumarganj BDO Office
Tapan	<b>51201</b>	<b>8</b>	Mission School, Bazrapukur SC, Rampur SC, Kardaha SC, Gurail GP office, Autina GP office, Badsankair SC	Monoholi PHC
Gangarampur	<b>5575</b>	<b>6</b>	Gangarampur Stadium	Gangarampur Municipality Office
Banshihari	<b>52511</b>	<b>8</b>	RCH- Plus Camp Site, RCH- Plus Camp Site & Shihole SC, Mahugram SC	Banshihari BDO Office
Harirampur	<b>121811</b>	<b>5</b>	Balihara PHC, Harirampur RH, Jotgouri SC, Bairhatta SC	Balihara PHC
Kushmandi	<b>39500</b>	<b>9</b>	Maligaon GP office	Maligaon GP office
<b>Total</b>	<b>420183</b>	<b>62</b>		

### Special health programme towards Curative, Preventive and Promotive health :

- ❖ National Vector Borne Disease Control Prog(NVBDCP)
- ❖ National Programme for Control of Blindness (NPCB)
- ❖ National Programme for Cancer, Diabetes, Cardiovascular Disease & Stroke (NPCDCS)
- ❖ National Programme of Health Care for Elderly (NPHCE)
- ❖ National Prog. for Prevention of Control of Fluorosis(NPPCF)
- ❖ Reproductive Maternal Neonatal Child Health (RMNCH)
- ❖ Rashtriya Bal Swasthya Karyakram (RBSK)
- ❖ Rashtriya Kishor Swasthya Karyakram (RKSK)
- ❖ Weekly Iron Folic Acid Supplementation (WIFS)
- ❖ Adolescent Reproductive Sexual Health(ARSH)
- ❖ National Deworming Day (NDD)
- ❖ Revised National Tuberculosis Control Program (RNTCP)
- ❖ National Leprosy Eradication Programme (NLEP)
- ❖ National Iodine Deficiency Disorder Control Programme (NIDDCP)

### Major Diseases Noticed During Natural Disasters:

- ❖ Acute Diarrheal Disease & Food poison
- ❖ Bacillary Dysentery
- ❖ Acute Respiratory Infection / Influenza like Illness
- ❖ Pneumonia
- ❖ Measles
- ❖ Scabies
- ❖ Conjunctivitis

**Other Health Events Noticed During Natural Disasters:**

❖ Snake bite ❖ Electrocution ❖ Drowning ❖ Injuries & Accidents

**Strategies:**

- 1) District level convergence with stake holders under the chairmanship of District Magistrate, D/Dinajpur
- 2) Review of the block Disaster Committee and re-orientation
- 3) Assessment of casualties at GP and Block level
- 4) Identification of vulnerable points in relation to health infrastructure and services
- 5) Insuring health service at alternative place for health establishment if likely to be affected, as per proposed plan
- 6) Mobilization of services at need point including man power, drugs, consumables and vehicle
- 7) Co-ordination with all peripheral points with district level control room at 24 x 7 under control of Dy.CMOH-II,D/D
- 8) Setting up of 24 x 7 temporary service point with beds as per need with mobilization of resources (Human Resource, Drugs & Vehicles), already identified
- 9) Daily reporting from block level & propagate from dist. H.Q. to Swasthya Bhawan

Category	Present availability (number)			Manpower (10%) who can be deployed to other place*		
	DH	SD/SG	Block (include RH & BPHC)	DH	SD/SG	Block (include RH & BPHC)
Specialist	41	29	Nil	4	2	Nil
Medical Officer	6	3	52	1	1	5
Nursing Staff	209	141	10	20	14	10
MPHW	1	1	247	Nil	Nil	24
2 nd ANM	Nil	Nil	212	Nil	Nil	21
ASHA	Nil	Nil	1331	Nil	Nil	133

**Planning and deployment of Human Resource during flood / disaster situation:****Communication (District Level):**

Activity	Name of Nodal Officer	Mobile No	Alternate responsible officer (in absence of Nodal Officer)	Mobile No
Overall	CMOH	CMOH4055272	Dy. CMOH II	9830440492
Reporting	Dy. CMOH II	9434219834	Dist. Data Manager IDSP	9679939670
Logistics (Drugs)	Dy. CMOH I	9153118537	Dy. CMOH III	9733456567
Logistics (Transport)	Dy. CMOH I	9153118537	DTO	9007460279
Intersectoral coordination	CMOH	9434055272	ACMOH (Sadar)	9434709967
Intersectoral coordination	CMOH	9434055272	DMCHO	9434120877

**Names of nodal officers:**

Sl No	District Hospital	Name of Superintendent	Mobile number
1	Super	Dr. Tapan Biswas	8768327985
2	District Hospital	Name of Asst Supdt	Mobile number
	Asstt. Super	Arindam Roy	9635459768
3	SD / SG Hospital	Name of Supdt	Mobile number
	Super	Dr. Amal Krishna Chudhary	9434055946
4	Sub division	Name of ACMOH	Mobile number
	ACMOH (Sadar)	Dr B.N. Majhi	9434709967

	ACMOH (Sub division)	Dr. Kalidas Poddar	9007460279
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**Requirement of Material-Drugs to treat population likely to be affected by flood/ disaster:**

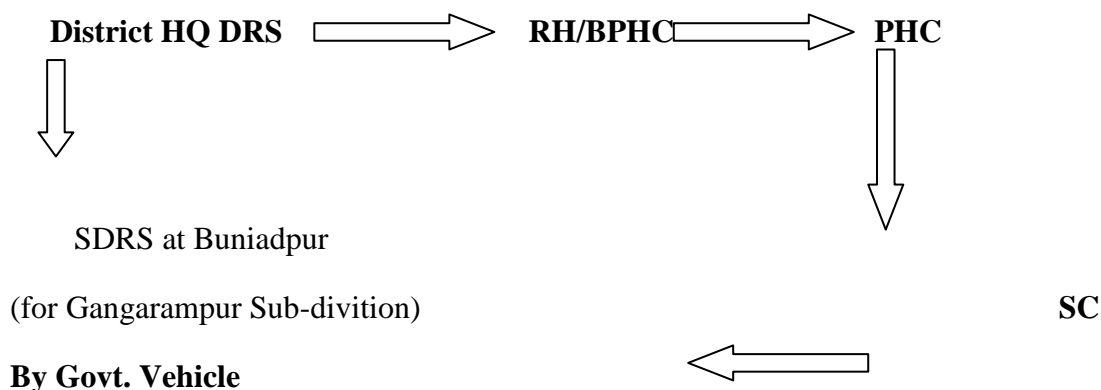
Bleaching powder			Halogen tablet			ORS packet		
Stock		Need	Stock		Need	Stock		Need
DRS	Periphery (RH/PHC)		DRS	Periphery (RH/PHC)		DRS	Periphery (RH/PHC)	
384 x 25 kg.	50 x 25 kg.	Nil	500000	60000	Nil	40000	62000	250000

Normal Saline			Ringer Lactate			Injection AVS		
Stock		Need	Stock		Need	Stock		Need
DRS	Periphery (RH/PHC)		DRS	Periphery (RH/PHC)		DRS	Periphery (RH/PHC)	
43100	9000	20000	30000	14000	50000	600	450	300

❖ Other anti diarrhoeal medicines are also available at DRS & Periphery and lime is required to procure.

**Transportation Plan**



**Requirement of Material- Transport (to serve area & population likely to be affected by flood):**

Motor Vehicles – No. 8 (Government Vehicle)

Boats- No. 30 Hiring charge – @ Rs. 1000/- per day per boat

Life Jackets- No. 30 Cost– @ Rs. 800/- per piece

Others Type of vehicle – Tractor No. 10 Hiring charge – @ Rs. 2000/- per day per Tractor

Other expenses: (Loading unloading, IEC) @ Rs.5000/- per block

Total amount required as contingency cost: Rs.50000/- per block

**Considering previous experience of managing flood in Aug, 2017:**

Following actions points are adopted in Disaster Management Plan, 2019.

1. Formation & training of Dist. RRT & block RRT with contact no. & whtsup no. of members.
2. Identification of additional medical team from District Hospital & Sub-divisional Hospital with mobile no. & whtsup no. of team members.
3. Identification of temporally shelter for pregnant mothers in nearest RH/SC was done.
4. To ensure proper transportation by boat & tractor, identification to be done with consultation of concerned BDOs at block level with fund requirements.
5. Convergence with different NGOs for distribution of emergency medicines like ORS, bleaching, phenyl & disinfectant, a sensitization meeting will be organized with NGOs in pre-monsoon season.
6. Snake bite awareness is a major concern following death of 9(nine) persons in recent flood. Campaign against snake bite along with other campaign involving DICO & other platforms in the district need to be strengthened.
7. Printing of flex, banners & leaflets well in advance for awareness generation to prevent post flood outbreaks.



## PLAN OF IRRIGATION & WATERWAYS

### REVIEW OF VULNERABLE AREAS OF THE DISTRICT

Most of the vulnerable areas under flood-prone zone of this district have already been repaired. In true sense those areas are almost well protected. But some critical areas are also there beyond our precautionary measures already taken. This Division is always alert for those critical areas and necessary action may be taken up as and when exigency so demands.

### [ REPORT OF SOUTH DINAJPUR IRRIGATION DIVISION ]

Dakshin Dinajpur is basically a flood prone district. The major rivers of this district are **Atrai, Punarbhaba, Tangon & Jamuna**. The basic feature of these rivers are that its are originating in Bangladesh then enter in Dakshin Dinajpur district and again it enter into Bangladesh except the river **Tangon**. It meets with river **Mahananda** (Barsoi Branch) at Ahio in the district of Malda. Another characteristic of these rivers are that they are uncontrolled river i.e. they have no continuous embankment to the both sides of these rivers. As such flood may be occurred in this district due to heavy down pore to catchments area in Bangladesh as well as in the area within the district of Dakshin Dinajpur.

### RIVER LEVELS : In Metre (G.T.S.)

Main Rivers	Length	P.D.L.	D.L.	E.D.L.
ATRAI	55 K.M.	22.55 M.	23.15 M.	23.76 M.
JAMUNA	10 K.M.	23.58 M.	24.18 M.	24.80 M.
PUNARBHABA	55 K.M.	25.22 M.	25.82 M.	26.42 M.
TANGON	50 K.M.	25.00 M.	25.60 M.	26.21 M.

### RAINFALL :-

We have 2 (two) nos. Rain-gauge Station within jurisdiction of South Dinajpur Irrigation Division.

1. At Balurghat Irrigation Office Campus.  
The Average Rainfall For Last 10 Years (2009 to 2018) is 1536.32 mm./ year.
2. The other at Gangarampur Section Office Campus.  
The Average Rainfall For Last 10 Years (2009 to 2018) is 1481.90 mm./ year.  
The Latitude & Longitude of this district is: 25.14° N & 88.47° E

Total Rainfall during 2018 at Balurghat- **1343.00 mm**

Total Rainfall during 2018  
atGangarampur **1276.50mm**

### [ FLOOD WARNING MESSAGE ]

In order to receive and communication the flood warning message i.e. water level of major rivers of Dakshin Dinajpur district such as river Atrai, Punarbhaba, Tangon & Jamuna as well as rainfall of local and catchments area of the above rivers a “CONTROL ROOM” will be opened at the Office of the Executive Engineer/South Dinajpur Irrigation Division, Beltalapark/Balurghat, Dakshin Dinajpur. The Executive Engineer will be the over-all in-charge of the Control Room for the flood period of the year of 2018.

In the flood period the “FLOOD WARNING MESSAGE” will be communicated to all concerns daily by “FAX” or by “TELEPHONE” or by Special Messenger. At the time of any peak monsoon situation the “Flood Warning Message” will be communicated in a closer interval. Shri Ranjan Roy, A.E./S.D.O., Balurghat Irrigation Sub-Division will keep close contact with the District Authority & Departmental Flood Cell at Jalsampad Bhawan, Kol-91. Shri Roy will also be over all in-charge of the “Flood Cell” in absence of the undersigned. In absence of Shri Roy, A.E./S.D.O., Sri Monoranjan Sen, So/ Kumarganj of Balurghat Irrigation Sub Division will look after the whole matter.

Shri Manab Bal Majumder, JE./S.O. of Gangarampur Irrigation Section & in-charge of Gangarampur Irrigation Section will keep close contact with the Sub-Divisional Officer (Civil), Gangarampur Sub-Division & Chairman, Gangarampur Municipality in addition to his normal duties. Shri Majumder, J.E. will also monitor in sending the river levels and rainfall data within the jurisdiction of Gangarampur Irrigation Sub-Division.

**The contact nos. of the Office and officers are as follows:-**

Sl.No.	Name	Designation	Office	Phone No.
1.	Shri S. Biswas	Executive Engineer	South Dinajpur Irrigation Division.	03522255113 (O) 9475878845 (M) Fax-03522255113
2.	Shri Ranjan Roy	Asstt.Engineer /S.D.O.	Balurghat Irrigation Sub- Division.	03522255265 (O) 7908300416 (M)
3.	Shri Debabrata Pal	Asstt.Engineer /S.D.O.	Gangarampur Irrigation Sub- Divn. at Buniadpur	03524-259145 (O) 7001069310 (M)
4.	Shri Manab Bal Majumder	J.E./S.O.	Gangarampur Irrigation Section	03521-256031 (O) 7547945196 (M)
5.	Shri Monoranjan Sen	JE/SO	Kumarganj Irrigation Section	03522255113 (O) 9046704026 (M)

**[ FLOOD EMERGENCY ]**

A. In the flood situation of river **Tangon&Punarbhaba** within the Block area of Banshihari, Kushmandi, Harirampur, Gangarampur and part of Tapan.

Contact Place : Sub-Divisional Officer,  
(Contact person & No. given at Page-2). Gangarampur Irrigation Sub-Division,  
Buniadpur, Dakshin Dinajpur.  
&  
S.O./Gangarampur Irrigation Section,  
Gangarampur, Dakshin Dinajpur.

Stock : a) Poly. bags - 20,000 nos.  
b) Sand - 40 M<sup>3</sup>

**Stock will be increased as and when exigency so demands.**

B. In the flood situation of river **Atrai&Jamuna** in the Block area of Kumarganj, Balurghat, Hili and part of Tapan.

Contact Place : Sub-Divisional Officer,  
(Contact person & No. Balurghat Irrigation Sub-Division,

given at Page-2).Beltalapak, Dakshin Dinajpur.

Stock	:	a)	Poly. Bags - 20,000 nos.
		b)	Sand - 280 M <sup>3</sup>

**Stock will be increased as and when exigency so demands.**

**[ SLUICE & STRUCTURES ]**

Danga Khari Head-Regulator and other big & small drainage sluices are kept in up-to-date and well functioning condition.

**[ RIVER EMBANKMENTS ]**

**A. UNDER GANGARAMPUR IRRIGATION SUB-DIVISION :-**

**-: BANSHIHARI BLOCK :-**

1.	Beel Borail Embankment .....	7.50 KM.
2.	Approach to Godhol sluice .....	1.00 KM.

**-: KUSHMANDI BLOCK :-**

1.	Dhakdhol Ex-Zmindary embankment .....	6.00 KM.
2.	Churamon Ex-Zmindary embankment .....	8.00 KM.
3.	Churamon Extension .....	0.50 KM.
4.	Sherpur Ex-Zmindary embankment .....	2.00 KM.
5.	Mahagram embankment .....	2.00 KM.

**-: GANGARAMPUR BLOCK :-**

1.	Mallickpur Ex-Zmindary embankment .....	2.00 KM.
2.	Kanthalhat-Hossainpur embankment .....	6.00 KM.
3.	Champatali embankment .....	8.00 KM.
4.	Rajibpur embankment .....	1.50 KM.
5.	Indranarayanpur Govt. Colony embankment .....	1.00 KM.
6.	Rampara-chanchra embankment.....	7.00 KM.
7.	Goyalkhari Dwarf embankment .....	0.24 KM.

**B. UNDER BALURGHAT IRRIGATION SUB-DIVISION :-**

**-: BALURGHAT BLOCK :-**

1.	Nuniapara embankment .....	1.30 KM.
2.	Raghunathpur embankment .....	2.50 KM.
3.	Balurghat Town Protective embankment .....	3.00 KM.
4.	Khidirpur-Namapara embankment .....	2.50 KM.
5.	Dakra embankment .....	0.25 KM.
6.	Chakbhrigu-Mayamari embankment .....	2.68 KM.

**-: HILI BLOCK :-**

1.	Hili Town Protective embankment .....	2.00 KM.
2.	Abra Beel embankment .....	<u>2.30 KM.</u>
<b>Total</b>		<b>69.27 KM</b>

**Plan of Executive Engineer,Balurghat Division**

## **PREFACE:**

Natural unforeseen calamities, i.e. disaster like drought, cyclone storm, flood, earthquake are the common occurrences in the State of West Bengal including this district every year. These kinds of disaster have always wider impact on human life, livestock, property and assets created by individual and state. Aftermath the disaster among the basic needs for survival, safe drinking water and emergency sanitation always figures on top of the priority list along with food and shelter. As Public Health Engineering Department / Directorate is mandated for supply of safe drinking water to the people of the State, during disaster it requires delivery of services on safe drinking water supply on war footing basis. Emergency sanitation is usually a common task and also delivered by PHED after the disaster. Every year PHED/Directorate keep prepared its Divisions, Sub-Divisions and Blocks level Offices/Officers and staffs for management and combating impacts of disaster.

The Divisional Office of the PHE Dte is the District level Nodal Office for coordinating emergency operation with respect to delivery of safe and emergency sanitation services, to ensure that all Rural Water Supply System in the District works properly and in the event of disaster by carrying out timely repairs where necessary. For doing this PHE Dte. Use to maintain proper inventory in terms of materials, spare parts and skilled human resources and model framework for District Disaster Management Plan (DDMP) are follows:

### **A-Prevention & Mitigation measures:**

1. Trained and skilled team for repairing and disinfection of PWSS and spot tube wells
2. Proper action plan for repairing and re-sinking of tube wells, lowering of deep well pumps in drought, rising of platform in flood etc.
3. Action plan for new sinking of spot tube wells if and where necessary.
4. Maintain proper inventory of Mobile Water Treatment Units (MTUS) and Water Bottling Plants, including timely overhauling of the Units for keeping them in proper running condition.

### **B-Preparedness measures:**

1. Proper inventory of materials, spare parts, bleaching powder etc both for PWSS and Spot sources.

### **C-Standard operating Procedures (SOPs) & Checklist:**

1. Daily report on implementation of activities, assessment of impact etc and submits the same to State Level Control Room during disaster.
2. In case of flood, huge nos. of (all submerged) hand tube wells required to be disinfected. So, training of at least two people (facilitator must) regarding disinfection of tube wells from each Gram Panchayat throughout the District has been provided & successfully completed by PHE Dte.

### **D-Financial Recourses for Implementation of DDM**

A tentative estimate based on experiences of last few years has also been prepared and produced in the action plan with a tentative estimated cost of **Rs. 2.86 crores**. The estimate encompasses all possible services usually delivered by PHE Dte, including mobilization of Mobile Treatment Units (MTUs) and supply of package water from its own unit; on such occurrences.

## **Disaster Management Plan 2019** **Under Balurghat Division, PHE Dte.**

Sl. No.	Details of restoration work programme	Quantity	Rate	Unit	Anticipated Ammount (Rs.)	
A	<b><u>Sinking of Tube well for Draught.</u></b>	30	Nos.	110,000.00	Each	3,300,000.00

1	(i)	India Mark-II(100x40 mm), 100 mtr deep with housing pipe of 30 mtr. Including cost of all materials.					
	<b>B</b>	<b><u>Sinking of Tube well for Flood.</u></b>	50	Nos.	22,000.00	Each	1,100,000.00
	(i)	Ordinary Tube well					
	(ii)	India Mark-II(100x40 mm), 100 mtr deep with housing pipe of 30 mtr. Including cost of all materials.	40	Nos.	110,000.00	Each	4,400,000.00
	<b>C</b>	Petty repairing of spot sources including cost of spar parts of existing defunct tubewells and raising the height of tubewell including cost of all materials.	1	Item	3,500,000.00	L.S.	3,500,000.00
	<b>D</b>	Disinfection of Ordinary Tube wells.	9000	Nos.	115	Each	1,035,000.00
	<b>E</b>	Disinfection of India Mark-II, Tube wells.	8000	Nos.	266	Each	2,128,000.00
	<b>F</b>	Supply of Bleaching Powder.	300	Drum	2,000.00	Each	600,000.00
2	<b>A</b>	<b>Restoration of possible damages of Piped Water Supply Schemes:</b>					
	(i)	<b>Civil Works:-</b>	54	Nos.	70,000.00	Each	3,780,000.00
		Repairing of Pipe Line. Disinfection of Pipe Line, washing & cleaning of pipeline re-construction of street stand posts, Sluice Valve Chamber etc. Out of 44 nos. Maintenance schemes, considering 20 nos. To be affected.					
	(ii)	Renovation and repairing of pump house Boundary Wall & other Civil structures.	20	Nos.	70,000.00	Each	1,400,000.00
	<b>B</b>	<b>Mechanical Works:-</b>	20	Nos.	25,500.00	Each	510,000.00
(i)	Repairing of pumping Machineries & other all electrical works etc. Including supply of Chlorine tabletes for disinfection.						
(ii)	Arrangement of hire charges of Generator including cost of fule & operator to run the pumping machineries in flood/draught affected areas where power failure for 7 days approx.	1	Item	800,000.00	L.S.	800,000.00	
3		Transportation of truck mounted tanker to supply drinking water to the flood/dreught affected areas including all cost & charges.	1	Item	3,00,000.00	L.S.	3,00,000.00
4		Supply & Installatin of PVC water storage tank for temporary arrangement of water supply including PVC pipe connection etc.	1	Item	1,00,000.00	L.S.	1,00,000.00
5		Operation & Maintenance of Deptt. mobile treatment plant including cost of	30	Days	15,000.00	Day	4,50,000.00

	fule,operator etc.all complete.					
6	Supply of G.I. Tank and fitting etc. for providing safe drinking water in different flood/draught affected area in the District of Dakshin Dinajpur for the year 2018-19.	20	Days	11,065.00	Day	2,21,300.00
7	Higher charges of 10 nos. Tractor for supply drinking water with the aid of water tanker to the flood/draught victims of different Block, in the District of Dakshin Dinajpur.	30	Days	20,000.00	Day	6,00,000.00
8	Supply delivery of 5000 Ltr. Tank Mounted on trolley.	2	Days	1,50,000.00	L.S.	3,00,000.00
<b>Total Rs.</b>						<b>2,45,24,300.00</b>
<b>Add GST @ 12%</b>						<b>29,42,916.00</b>
<b>Total Rs.</b>						<b>2,74,67,216.00</b>
<b>ADD CESS @ 1% Rs.</b>						2,74,672.16
<b>Total Rs.</b>						2,77,41,888.16
<b>Add Contingency@3%Rs.</b>						8,24,016.48
<b>Toatal Rs.</b>						2,85,65,904.64
<b>Say Rs.</b>						<b>2,85,65,905.00</b>

**Contact List of staffs under Balurghat Division, PHE Dte.**

Sl. No.	Name	Designation	Contact No.
1	Tapas Das	Assistant Engineer(HQ)	8617085996
2	Nikhil Mahato	Junior Engineer Balurghat Division,PHE Dte	7384662088
3	Md. Aaur Rahaman	Junior Engineer Balurghat Division,PHE Dte	8100446894
4	Narayan Ganguly	Head Clerk	9563878698

**Contact List of staffs under RWS, Balurghat Sub-Division, PHE Dte.**

Sl. No.	Name	Designation	Contact No.
1	Sandipan Jha	Assistant Engineer	9903405241
2	Sujoy Kumar Prasad	Junior Engineer Balurghat Block,PHE Dte	9563121516
3	Jayabrata Sinha	Junior Engineer Gangarampur Block,PHE Dte	9126088017
4	Md. Abdul Emdadul Haque	Junior Engineer Hili Block,PHE Dte	7838188795
5	Bhanu Chatterjee	U.D.C	8101734755

**Contact List of staffs under Balurghat Sadar Sub-Division, PHE Dte.**

Sl. No.	Name	Designation	Contact No.
1	Tapas Das	Assistant Engineer	8617085996
2	Samik Das	Junior Engineer Balurghat Sadar Sub- Division,PHE Dte	9434130240
3	Soumitra Nandi	Junior Engineer Balurghat Sadar Sub- Division,PHE Dte	9434469343

4	Avijit Basak	Junior Engineer Balurghat Sadar Sub- Division,PHE Dte	7501481637
5	Md. Idrish Alam	U.D.C	9735808702

**Plane of Agriculture(Admn.)**

Contingency plan on Agriculture field due to abnormal rain or climatic situation to combat the arised disaster of Dakshin Dinajpur

Profile of Agro-Climatic/Ecological Zone			
Agro Ecological sub Region(ICAR)	Ganga Alluvial		
Agro Climatic Zone(Planning Commission)	Ganga Alluvial		
Agro-Climatic Zone(NARP)	Old Alluvial		
List all the districts or part there of falling Under the NARP Zone	Uttar & Dakshin Dinajpur, Maldaha		
Geographic coordinates of district headquarters	Latitude	Longitude	Altitude
	<b>25*13’N88*46’N</b>	<b>25.22*N88.77*E</b>	<b>25 Mts.</b>
Name & address of the concerned ZRS/ZARS/RARS/RRS/RRTTS	Under the ZARS of Nalhati, Birbhum, RRS, UBKV at Majhian, P.O.-Patiram. Dakshin Dinajpur		
Mention the KVK located in the district	KVK, dakshin Dinajpur at Majhian, P.O.- Patiram. Dakshin Dinajpur.		

Rainfall(ten years’ average 2008-2017)	Normal RF(m m)	Normal Onset(Specify week & month)	Normal Cessation (specify week & month)
SW monsoon (June-Sept.)	<b>1071.91</b>	<b>2<sup>nd</sup>. Week of June</b>	<b>Not identified</b>
NE Monsoon (Oct-Dec)	<b>90.0</b>	<b>2<sup>nd</sup>. Week of Oct.</b>	<b>Last week of Oct./1<sup>st</sup>. Week of Nov</b>

**Rainfall Status since 1985 to 2017**

Year	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL
1985-1995	2.7	3.8	0.7	0.8	75.4	482.9	516.6	448.1	789.1	38	69.1	6.6	2433.8
1990-2000	6.86	18.1	8.58	93.54	155.78	270.3	380.86	391.74	483.98	130.84	3.76	5.72	1950.06
2005-2015	4.06	11.24	12.18	50.48	133.98	322.72	265.9	302.62	212.58	80.4	1.28	0.34	1397.78
2016	6.6	0.8	7.1	29.8	205.4	150.7	402.3	106.1	308.9	100.8	0.0	0.0	1318.5
2017	2.5	0.0	84.7	176.8	154.8	258.2	346.6	509.13	205.5	56.7	0	0	1794.9
2018	45.1	66.4	89.7	56.9	159.2	143.1	269.2	214.6	22.8	3	0	0	1070.0



Land use Pattern of the District (latest Statics)	Geographical Area	Cultivable Area		Forest Area	Non-Agricultural use	Permanent Pastures	Cultivable wasteland	Barren & Uncultivable Land	Current Fallows	Others Fallows
Area('000 ha)	221.91	175.62	0.93	31.62		0.02	NA	0.14	2.22	NA

Major Soils(common name like red Sandy loam soils(etc.,))	Area('000ha)	Percent(%) of total geographical area	Threat on soil structure/Texture	Remarks
1. Loamy	51.595	29.4	Detoriating the existing due to extensive Mechanical Tillage of soil & trends to become barren with low productivity	Due to break down of soil capillary the percolation as well as recharge of sub-surface recharge of water which is serious threat in future nature
2. Gravelly clay loamy	0.0	0.0		
3. Clay	42.92	24.5		
4. Clayey – lomy	54.335	30.9		
5. Loamy sandy	26.77	15.2		

Agricultural land use	Area('000 ha)	Cropping intensity %
Net sown area during Pre-kharif	180.0	103
Area sown more than once during Rabi	166.0	95
Area sown more than twice during summer	75.0	42
Gross cropped area	421.0	240

Irrigation	Area in Hac. In '000 Hac.
Net irrigated	82
Gross irrigated area	194.0
Rain fed area	90.0

**Area under major field crop (as per latest figures) (Specify year 2017-'18)**

Major field crops cultivated	Area ('000 ha)						
	Kharif			Rabi-Summer			
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Grand Total
Rice	75.0	95.0	170.0	75.0	0	75.0	245.0
Wheat	0	0	0	25.8	0	25.8	25.8
Pulses	0	0	0	0	20.0	20.0	20.0
Oilseeds	0	0	0	78.0	12.0	90.0	90.0
Potato	0	0	0	16.0	0	16.0	16.0

**Production and Productivity of major crop (Average of last 5 years : (2012-'13 to 2016-'17)**

Name of crop	Area of coverage in '000Hac.(Average of last 5 years : (2013-'14 – '18)	Production ('000 t)	Productivity (Kg/ha)	Remarks
Rice	181.0	711.3	3933	
Wheat	55.0	153.4	2791	Area Decreasing
Pulses	5.6	3.08	551	Area Increasing
Oilseeds	35.0	31.2	891	
Potato	15.0	375.0	25600	

Sowing window for 5 major field Crops(start and end of normal sowing period)	Rice	Potato	Oilseeds	Pulses	Wheat
Kharif-Rainfed	<b>JULY-AUGUST</b>				
Kharif-Irrigated	<b>JULY-AUGUST</b>				
Rabi-Rainfed	<b>NA</b>		<b>OCT-NOV</b>	<b>OCT-NOV</b>	
Rabi-Irrigated	<b>JAN – FEB</b>	<b>NOV-DEC</b>	<b>NOV-DEC</b>		<b>NOV-DEC</b>

What is the major contingency the district is prone to? (Tick mark)	Regular	Occasional	None
Drought	-	<b>YES</b>	-
Flood	-	<b>YES</b>	-
Cyclone	-	<b>YES</b>	-
Hail Storm	-	<b>YES</b>	-
Heat wave	-	-	-
Pests and diseases outbreak (specify)	<b>Sheath Rot,BLB</b>	<b>BHP, Gall Midge,</b>	
Others (specify)			

<b>CONSTRAIN MONITORING AND PREVENT DISUSTER ON AGRICULTURE</b>
In-accessibility to assess the lost of Crop with sufficient mobility Support to Man Power.
Having no accessibility to 'REMOTE CENSING' process with IT support
Congestion of water passing devises as well as no water passing devises where the natural run-off situated / identified during last flood.
Creating Blockage of Run-off due to created development of structre etc.
Disturbing the Eco-friendly Structure of Agriculture Soil & becoming less productive.

<b>REQUIRES TO BETTER MONITORING AND PREVENT DISUSTER ON AGRICULTURE</b>
Make available of digital Map with IT support.
Provide sufficient Transport support during the period of Assessment ect.
Make facilitation to use the 'REMOTE CENSING' process with IT support
Create sufficient water passion devises where the natural run – off situated / identified during last last flood by maintaining contour line.
In every creation of development work on Agril.Land like Road, Bund, Concrete Structure etc must ensure the drainage of excess water within 48 hours

Generate general awareness on Eco-friendly Agriculture Tillage Operation through mechanical devices to restore Soil Textur.

**CONTINGENCY PLAN FOR LESS RAINFALL DURING KHARIF 2019 – ‘20**

Adoption of RCT based Paddy cultivation	2 Nos. RCT Mechanical device is available at all Govt. Farms.	Another minimum 100 Nos. of such RCT Mechanical device is requires to make available for each block.
Adoption of Drum Seeder Technology	1 Nos. Drum Seeder device is available at all Govt. Farms or in the officer of the Assist. D.A.'s	Another minimum 100 Nos. of such Drum Seeder device is requires to make available for each block
Creation of Intensive Extension Awarness among the farmers through all type of mass media	Awareness on cultivation of paddy through SRI,DSR etc.	If the situation may arises indent should be given towards support of minimum 50000 Nos. Paddy seed kit @ 6 Kg. to the Government.

**CONTINGENCY PLAN ON OCCURANCE OF FLOOD DUE TO EXCESS RAINFALL & CAUSE OF CONGESSION OF APPROPRIATE DRAINAGE OF RUN-OFF DURING KHARIF 2019-'20**

**CONTINGENCY PLAN ON OCCURANCE OF EARLY FLOOD DUE TO EXCESS RAIN DURING KHARIF 2019-'20**

Adoption of Technology on Quick raising of Paddy Seedlings	Publicity among the farmers through all type of mass media	Distribution of paddy seed at Govt. Rate from the block Seed available stock of seed on first come serve baise
Adoption of Drum Seeder Technology	1 Nos Drum Seeder device is available at all Govt. Farma or in the office of the Assist. D.A.'s	Another minimum 100 Nos. of of such Drum Seeder device is requires to make available for each block
Creation of Intensive Extension Awarness among the farmers through all type of mass media	Awarness on cultivation of paddy through SRI,DSR etc.	If the situation may arises indent should be given towards support of minimum 250000 Nos. Paddy seed kit @ 6kg. to the Government.

**CONTINGENCY PLAN ON OCCURANCE OF LATE FLOOD DUE TO EXCESS RAIN DURING KHARIF 2019-'20**

Re-Transplanting field by Adoption of double transplanting method.	Publicity among the farmers through all type of mass media	Raising Excess Seed Bed in Govt Farm for Distribution of paddy seedling at Govt. Rate from the Block Seed farm on available stock of seed on first come first serve basis
Compensate the yield loss during Rabi	Support of Rbi Crop Seeds	1. Requirement should be given for Assistance of Mustard Seed Kit 100000 Nos. @ 1 Kg. each. 2. Requirement should be given for Assistance of Pulses Seed Kit 10000 Nos. @ 4 Kg. each. 3. Requirment should be given for Assistance of Summer paddy Seed Kit 100000 Nos. @ 10 Kg. each.

**Plan of Food & Supplies Department – 2019-20**

The below stock will be there ready at different time from 1<sup>st</sup> June 2019 as flood rolling reserve stock and all the FPS Dealer, M.R. Distributor, S.K. Oil Agent/Dealer are ready to combat the disaster if any arise in the year 2019 as per time to time instruction of the District Administration. A block wise details of FPS Dealer and M.R.Distributor are enclosed herewith as ready reference.

Name of the Dealers/Wholesellers	Number in the District	Commodities	Quantities to be kept reserved for FLOOD Emergency
Each FPS Dealer	303	K.Oil	200 Ltrs.
Each S.K.Oil Bulk Dealer	13	K.Oil	2 K.L.
Each S.K.Oil Agent	4	K.Oil	5 K.L.
Each Rice Mil	11	Rice	20 Mt.
Each M.R.Distributor	12	Rice	10 M.T.
Each FPS Dealer	303	Rice	5 Qts.

Name of Block : BALURGHAT				
FPS Code	Owner Name	Shop Address	Village	Mobile
133100100031	ASHIT KUMAR GHOSH AND AMIT KUMAR GHOSH	THAKURPURA	Dangbiral	8145865620
133100100036	PRODIP LAHA, SANDHYA SAHA (LAHA), SUDAM LAHA	KAMARPARA	Belpukuria	9593674943
133100100004	SANJIT MANDAL, SANAT KUMAR MANDAL, SUBIR KUMAR MAN	RAJUA	Maniko	7872993458
133100100011	SANKAR MAHANTA	BALURGHAT	Kashipur	7602222472
133100100020	SECRETARY, PARANPUR S.K.U.S. LTD.	BIDAYPUR	Mayamari	9434347979
133100100025	SECRETARY, PATIRAM CO-OPERATIVE A.C.S. LTD.	PATIRAM	Kholapara	9475098491
133100100027	SMT. AMICHA BIBI (BEWA)	NAZIRPUR	Hatisala	9800434630
133100100012	SMT. DULALI CHAKRABORTY	CHAK BHRIGU	Saidpur	9434347319
133100100023	SMT. MRIDULA GOSWAMI	PATIRAM	Paschim Chakismail	9593895145
133100100017	SMT. PARUL RANI PAUL	BELTALA PARK	Nabipur	9474729520
133100100002	SMT. REKHA KARMAKAR	BOLLA	Ramkrishnapur	9635355382
133100100046	SMT. RINA PAUL	CHAK BHRIGU	Daulla	9733476094
133100100029	SRI ADHIR CHANDRA SARKAR	KHANPUR	Atair	9434424592
133100100003	SRI ANIL CHANDRA BARUA	KHASHPUR	Binsira	9434101049
133100100038	SRI ARDHENDU TARAFDAR, SMT. MIRA TARAFDAR	AMRAIL	Chak Binod	9932739490
133100100026	SRI ARUN KUMAR CHOWDHURY	BATUN	Dakshin Khhanpur	9475676868
133100100005	SRI ARUN KUMAR SAHA	NARAYANPUR	Habibpur	3522251401
133100100010	SRI ARUP KANTI SAHA	KHIDIRPUR	Anantapur	9475955955
133100100007	SRI BHUPESH CHANDRA GHOSH	BARAKASIPUR	Jamalpur	9434247024
133100100037	SRI BINIT KUMAR DAS	AMRITAKHAND A	Jamrail	9647760813

133100100009	SRI CHANCHAL KUMAR KUNDU	JALGHAR	Uttar Sibrampur	9434459396
133100100043	SRI CHANDI DAS SAHA	BAIDYANATHP ARA	Digra	9475677556
133100100018	SRI DILIP KUMAR LAHA	MALANCHA	Fatepur	9434513129
133100100041	SRI FATIK CHANDRA DAS	CHINGISHPUR	Barakhail	9800434726
133100100045	SRI GAJEN DEY	CHAK BHRIGU	Baroghopa	9474440507
133100100039	SRI GANGARAM MAHATO	AMRAIL	Margram	9734116923
133100100021	SRI GOBINDA CHANDRA BARMAN	GOPALBATI	Mangalpur (P)	9434964594
133100100028	SRI GOPAL CHANDRA CHAKRABORTY	NAZIRPUR	Hatisala	9434460640
133100100042	SRI GOPAL CHANDRA SARKAR	CHINGISHPUR	Kodla	9735024298
133100100034	SRI JITENDRA NATH MANDAL	KAMARPARA	Indra	9933809022
133100100044	SRI KAMALA KANTA PAUL & SRI HARIPADA PAUL	ATRAIL	Sankarpur	3522253075
133100100016	SRI MUKUL CHANDRA MANDAL	AMRITAKHAND A	Talmandira	9002173672
133100100008	SRI NANDA DULAL SEN	KHASPUR	Sibpur	9434968982
133100100024	SRI NIKHIL CHANDRA SAHA	PATIRAM	Kholapara	9434968810
133100100014	SRI PARESH CHANDRA SARKAR	KHIDIRPUR	Sibrambati	7872951105
133100100022	SRI PRADIP KUMAR MITRA	BIDAYPUR	Chak Durga	9434112873
133100100013	SRI PRADYUT KUMAR SAHA	BANGI KUNDU COLONY	Baodhara	9614619334
133100100015	SRI SANTU DAS	DAKSHIN SHIBRAMPUR	Bharendra	9851035632
133100100035	SRI SATYA PRIYA LAHA	KAMARPARA	Kamalpur	9733348406
133100100040	SRI SHIBEN CHANDRA MAHATA	CHINGISHPUR	Nunail	9933892130
133100100030	SRI SNEHASIS MANDAL	THAKURPURA	Dhaltara	9733027044
133100100006	SRI SUBRATA SAHA	NARAYANPUR	Habibpur	9434459808
133100100033	SRI SUKUMAR CHANDRA ROY	THAKURPURA	Nazirpur	8145725758
133100100032	SRI SUSANTA KUMAR LAHA	KAMARPARA	Dasul Chandipur	9775163529
133100100001	SRI SWAPAN KUMAR SARKAR	BAUL	Nafar	8371813836
133100100019	SRI TAPAN KUMAR MAJUMDER	BIDAYPUR	Khidirpur	9475226662

**Name of Municipality : BALURGHAT**

<b>FPS Code</b>	<b>Owner Name</b>	<b>Shop Address</b>	<b>Village</b>	<b>Mobile</b>
133101100013	AMITA GHOSH, SANTOSH GHOSH	Khadimpur P.O Balughat	Balurghat (M)	9434518567
133101100001	ANITA RAY CHOWDHURY	Sahebkachari, P.O Balughat	Balurghat (M)	9474439963
WB03311162 15	ARUN KUMAR SAHA	Narayanpur	Balurghat (M)	9933614235
WB03311162 17	CHANDI DAS SAHA	Baidyanathpara	Balurghat (M)	9475466749
133101100008	GOUTAM NARAYAN SAHA	P.O+P.S: Balughat	Balurghat (M)	9475210413
133101100007	JYOTSNA TARAFDAR	Narayanpur P.O: Narayanpur	Balurghat (M)	9932739408
133101100012	KANAK BHOWMIK & BIKASH CHANDRA BHOWMIK	Beltalapark P.O: Beltalapark	Balurghat (M)	9434374018
133101100010	MAYA MOHANTA	Prachyabharati P.O Balughat	Balurghat (M)	9614125326

133101100004	MIHIR KUMAR DAS	Chakbhabani P.O: Balughat	Balurghat (M)	9434112875
133101100002	PAPI SARKAR	Chakbhabani P.O: Ghoshpara	Balurghat (M)	9547633581
133101100005	PAPI SARKAR	Chakbhabani P.O:Balughat	Balurghat (M)	9475677503
WB0331116216	PRADYUT KUMAR SAHA	Kundu Colony	Balurghat (M)	9384380874
133101100003	RATAN KUMAR GHOSH	Beltalapak P.O: Beltalapak	Balurghat (M)	9434171117
133101100009	RATHINDRA KUMAR MAJUMDAR	Khadimpur P.O: Balurghat	Balurghat (M)	7501835885
133101100011	SANTI RANI DAS	Chakbhabani P.O: Balughat	Balurghat (M)	9933683255
WB0331116214	SUBRATA SAHA	Narayanpur	Balurghat (M)	9434459808
133101100006	TAPAN KUNDU	Khadimpur P.O: Balughat	Balurghat (M)	7407235377

**Name of Block : HILI**

FPS Code	Owner Name	Shop Address	Village	Mobile
133100400016	ABHOY CHANDRA MAHATO	VILL: BANGALIPUR P.O: JAMALPUR P.S: HILI	Hilli	9775484268
133100400010	AJIT SARKAR,SUSHILA SARKAR	VILL KISMATDAPUR P.O TRIMOHINI P.S HILI	Islampur	9434459557
133100400001	AMAL CHANDRA SARKAR	VILL: CHAKBALARAM P.O: TRIMOHINI	Chausha	7602110083
133100400003	GOBINDA CHANDRA KUNDU	HILI BAZAR P.O+P.S: HILI	Mohana	9002903587
133100400012	HARISH CHANDRA DEBNATH	VILL: RAMKRISHNAPUR P.O+P.S: HILI	Bhakla	9733367909
133100400009	KALI CHARAN GHOSH	VILL: KISMATDAPUR P.O: TRIMOHINI P.S: HILI	Islampur	9002777905
133100400005	KAMALENDU SAHA	VILL: RAINAGAR P.O: HILI	Mohana	8170973872
133100400002	NETAIPADA SAHA	APTAIR	Beltara	9932738961
133100400011	RANENDRA MOHAN CHOWDHURY	VILL KISMATDAPAT P.O TRIMOHINI	Islampur	9434310244
133100400004	RATAN KUMAR DEBNATH	VILL+P.O: FATEPUR	Mohana	9734051940
133100400013	RATAN KUMAR LAHA	VILL+P.O: TEOR P.S: HILI	Dabra	9563716474
133100400006	RATNAPRAVA SAHA	VILL+P.O: HILI	Mohana	9614576797
133100400014	SANKAR PROSAD ROY	VILL+P.O: TEOR	Dabra	9735953497
133100400008	SOUMYA CHOWDHURY	VILL: PANJUL P.O: FATEPUR	Panjul	9733133445
133100400015	SUBHAS CHANDRA SARKAR	VILL+P.O: JAMALPUR, P.S: HILI	Ujal	9733348667

13310040000 7	SUSHANTA KUMAR SAHA, SUBRATA SAHA, SANAT KUMAR KUN	VILL.P.O HILI	Hilli	9932684928
<b>Name of Block : KUMARGANJ</b>				
<b>FPS Code</b>	<b>Owner Name</b>	<b>Shop Address</b>	<b>Village</b>	<b>Mobile</b>
13310050000 2	AJAY KUMAR ROY	VILL: KULAHARI P.O: CHANDGANJ	Kashipur	9733291129
13310050000 4	ALAUDDIN SARKAR, RUVAPARVIN SARKAR, AJMAL HOSSAIN	VILL SUBARNASAHID P.O ANGINA	Udhura Prananathpur	9733434040
13310050002 7	AMAL CHANDRA SARKAR	VILL+P.O: BELTARA	Radhakrishnpu r	9733384075
13310050001 4	AMAL KUMAR SAHA	VILL: CHAKRAM P.O: GOPALGANJ	Aichara	9474161412
13310050003 2	ANIL KUMAR CHOWDHURY	VILL: SAIDPUR P.O: BATUN	Kharail	9735063290
13310050001 8	ASHOK SAHU	VILL: B HOUR P.O: KUMARGANJ	Tilna	9474141336
WB00331846 33	ASHOK SAHU	Vill: Bhour. P.O+P.S: Kumarganj. Dist: Dakshin Dinajpur.	Bhour	9474141336
13310050002 2	ASHWINI KUMAR DAS	VILL: BHAGABATIPUR P.O: MANIPUR	Uttar Keshabpur	9434968720
13310050000 7	BINOY KUMAR KARMAKAR	VILL: ANGINA P.O: KUMARGANJ	Mastafapur	9733130714
13310050002 8	BIRENDRA NATH SARKAR	VILL: DAMODARPUR P.O: GOBINDAPUR	Kuraldanga	9476398758
13310050002 6	DEBASISH SARKAR	VILL: PIROZPUR P.O: GOBINDAPUR	Jamirbari	9733259921
13310050001 0	ELIAS HOSSAIN CHOWDHURY	VILL: ENATULLAPUR P.O: DEBIPUR	Kanura	9733346330
13310050001 7	GIRIDHARI SIKCHI	VILL+P.O: KUMARGANJ	Aichara	9002591052
13310050000 5	GOPAL BAHETY	VILL+P.O: SAMJIA	Nilahari	9547099044
13310050002 4	HARISH CHANDRA ROY	VILL:CHANDPUR P.O; MAHIPUR	Jantihari	9593225063
13310050001 1	Jitendra Nath Sarkar	VILL: MAMUDPUR P.O: DANGARHAT	Krishnapur	9475251854
13310050000 1	KAMAL ACHARJEE	VILL: TARA P.O: CHANDGANJ	Chandura	9933429819
13310050000 8	KHAIRUL HAQUE	VILL+P.O: SAFANAGAR	Khaspara	9002891116
13310050002 3	LAKSHMI DAS	VILL: BISWANATHPUR P.O: MAHIPUR	Madhya Ramkrishnapu r	9732162199
13310050001 5	LIPIKA GHOSH	VILL+P.O: GOPALGANJ	Aichara	9475725143
13310050002 1	MANMATHA KUMAR SARKAR	VILL: NEHERA P.O: BATUN	Purbba Gobindapur	9932056762
13310050001 9	MD. MAKBUL HOSSAIN	VILL: SITAHAR P.O: CHURAIL	Brahmanpara	9733029725

133100500020	MD. MOKBUL HOSSAIN MONDAL	VILL: NARAYANPUR	Munsipur	9002881277
133100500029	PARIMAL SARKAR	VILL: MUGHLISHPUR P.O: GOBINDAPUR	Chak Bhagaban	9775627436
133100500025	PRADIP KUMAR GUHA	VILL+P.O: DIOR	Kumarganj	9800185957
133100500016	PRATIM KUMAR SAHA	VILL+P.O: DAGARHAT	Aichara	9475251854
133100500013	RAJUAL MANDAL	VILL: CHAKGOPAL P.O: MAHIPUR	Sundarpur	9735955126
133100500030	SECRETARY BATUN SKUS LIMITED	VILL+P.O: BATUN	Chak Mamudi	9647795212
133100500009	SUBHASISH SAHA	VILL: MENAPUR P.O: DEBIPUR	Amulia	9734101154
133100500012	SUJAN SARKAR	VILL: BARAIL P.O: RAMKRISHNAPUR	Angina	9153893036
133100500006	SUNIL KUMAR SARKAR	VILL: BOLTA P.O: PATIRAM	Chalunda	9733243978
133100500003	SUPRAKASH CHATTERJEE, CHHANDA CHATTERJEE, KAUSHIK	VILL P.O RAMKRISHNAPUR	Garoa	9434460146
133100500031	TAPASH CHANDRA GHOSH	VILL: BHAKLA P.O: BATUN	Chhatma	9734994545

**Name of Block : TAPAN**

FPS Code	Owner Name	Shop Address	Village	Mobile
133100300023	ABDUL RAHAMAN MIA	VILL: HAZARATPUR P.O: RAGHABPUR	Chak Bahara	9733032958
133100300028	AMIR ALI SARKAR	VILL: CHAKNEDAIR P.O: BARAIL	Faradpur	9733318554
133100300033	AMJAD SARKAR	VILL: JAMLABAD P.O: RAMCHANDRAPUR	Jamlabad	9733158828
WB0033184950	AMJAD SARKAR	Vill: Jamlabad, P.O: Ramchandrapur, P.S: Tapan	Jamlabad	9733158828
133100300007	AMULLYA CHANDRA SARKAR	VILL: LAKSHMIPUR P.O: CHAKSUKDEBPUR	Purba Hariharpur	9734932301
133100300020	BASANTI PRASAD	VILL: SALAS P.O: TAPAN	Jadupur	9733190756
133100300031	Bhumendra Nath Barman and Bhabatosh Barman	VILL: BISHNUPUR P.O: TILON	Suhari	9733484813
133100300043	BHUPENDRA NATH BARMAN	VILL: ARJUNPUR P.O: TILON	Dharmadanga	9614478310
133100300045	BIJAN KUMAR MAHANTA	VILL+P.O: PURBA NIMPUR	Basakbari	9475100210
133100300042	BIPLAB MUKHERJEE	VILL: KAKNA P.O: KAMDEBBATI	Bishnupur	9434460208
133100300044	BROJENDRA NATH SAHU	VILL+P.O: PATKOLA	Hazrabari	9434166403
133100300005	CHHABI SAHA (MANDAL)	VILL: KASBA BATAIR P.O: BASURIA	Chak Khetab	9476243537



133100300015	DILIP KUMAR DAS	VILL+P.O: NAYABAZAR	Mollazi	9474140989
133100300017	DINESH BARMAN	VILL: NAWPARA P.O: LASKARHAT	Mollazi	9932757546
133100300030	DIPESH KANTI GHOSH	VILL: SUNDARPUR P.O: TELIGHATA	Jabrahar	8145893537
133100300003	DIPU DEBNATH	VILL: RAMPARA CHENCHRA P.O: CHENCHRA	Satakhanda	9733244327
133100300046	FATIK CHANDRA BARMAN (MANDAL)	VILL+P.O: BHABANIPUR	Jobsa	9733342010
133100300006	HARDUAR PRASAD CHOWDHURY	VILL: NAOGON P.O: KARDAHA	Chilimbad	9434964657
133100300027	JILLUR RAHAMAN MIA	VILL: MALAHAR P.O: DARALHAT	Doara	9733107313
133100300035	KHITISH CHANDRA DAS	VILL+P.O: RAMCHANDRAPUR	Satihar	9932659042
133100300048	MADHAB CHANDRA SARKAR	VILL: SHRIBAI P.O: BHARILA	Kamdebbati	9735014087
133100300026	MAJIBAR MIA	VILL: SREERAMPUR P.O: BANDHIGHI	Antashimul	9733362504
133100300038	MAMATAJ BEGUM	VILL: VIOR P.O: VIKAHAR	Jaminishchinta	9851677340
133100300019	MANASH KUMAR ROY	VILL+P.O: KASBA	Aihara	9064345761
133100300024	MANTU ADHIKARY	VILL+P.O: RAMPUR	Antashimul	9733220835
133100300009	MANUKIYA CHOWDHURI	VILL+P.O: KARDAHA	Kardaha	9733037941
WB003318494 9	MANUKIYA CHOWDHURI	Vill+P.O: Kardaha. P.S: Tapan. Dist: Dakshin Dinajpur.	Kardaha	9002698895
133100300029	MD. MAKBUL HOSSEIN SARKAR	VILL: DURGAPUR P.O: DARALHAT	Jaminipara	9434305772
133100300004	NARAYAN CHANDRA DAS	VILL: MUKTARAMPUR P.O: CHENCHRA	Birahini	9474137975
133100300016	NARAYAN CHANDRA GHOSH	VILL: KAJIBAGH P.O: TAPAN	Mollazi	9609849062
133100300001	NIPENDRA NATH SARKAR	VILL: BAPTAIL P.O: CHENCHRA	Chhiashi	9647718086
133100300047	NIRENDRA NATH CHOWDHURY	VILL+P.O: GOFANAGAR	Chhatrahati	9475103474
133100300008	NIRMAL ROY	VILL: SUKDEBPUR P.O: VIKAHAR	Chak Farid	9734900975
133100300022	NITYANANDA BASAK	VILL+P.O: KARAI CHENCHRA	Naogon	8926410623
133100300039	PHANINDRA NATH ROY	VILL: BATURIA	Baneswarbati	9734963887
133100300018	PRANAB KUMAR CHAKRABORTY	VILL: KASBA P.O: TAPAN	Aihara	9434130848
133100300032	PRATAP CHANDRA SINGHA ROY	VILL+P.O: TELIGHATA	Kharpa	9733131061

133100300002	PROBODH KUMAR DAS	VILL: RAMPARA CHENCHRA P.O: TAPAN	Satakhanda	9609759216
133100300034	PRODIP KUMAR CHOWDHURY	VILL: DARALHAT P.O: RAMCHANDRAPUR	Satihar	8348600681
133100300041	RAFIUDDIN SARKAR	VILL: DUBAHAR P.O: HALIDONA	Kishtapur	8016819577
133100300011	RAHIMUDDIN MIA	VILL: CHAK HOSEN P.O: NAYABAZAR	Bamanhati	9733149455
133100300014	RIAJUDDIN SARKAR	VILL: AZMATPUR	Chak Bhriгу (CT)	9733105578
133100300025	SANCHA EKKA	VILL+P.O: RAMPUR	Antashimul	9434374086
133100300040	SIRAJUDDIN SARKAR	VILL: BHADRAIL P.O: GURAIL	Balikeshetra	7797265154
133100300010	SUBASH CHANDRA KAR	VILL: BAZRAPUKUR P.O: NAYABAZAR	Sobrasyangpur	9434325216
133100300036	SUJOY ROY	VILL: CHAKBHAGIRATH P.O: KARDAHA	Banial	9474312155
133100300012	SUKUMAR SARKAR	VILL: ANTASHIMUL P.O: MANAHALI	Singal	9933398848
133100300013	SUREN CHANDRA SARKAR	VILL+P.O: MANAHALI	Kismat Ramkrishnapur	9609907929
133100300037	TARUN KUMAR ROY	VILL+P.O: BHIKAHAR	Chak Nedair	9734042064
133100300021	TASLIMA BEGUM (BEWA)	VILL: KAJIBHAG P.O: TAPAN	Khosalpur	9564864417

**Name of Municipality : BANSHIHARI**

FPS Code	Owner Name	Shop Address	Village	Mobile
133100200007	ANIL KUMAR HAZRA, JUTHIKA HAZRA, APURBA SARKAR	VILL PATRA P.O DOULATPUR	Daing	9932513774
133100200002	BANANI BOSE	VILL+P.O: BADALPUR	Sankarwati	9800369167
133100200010	BHABESH CHANDRA PRODHAN	VILL: MALAM P.O: BUNIADPUR	Dumnipara	9932328365
133100200008	BINAY KUMAR DAS	VILL: MIRAHATI P.O: SINGADAHA	Abhirampur	9002335524
133100200011	DEBASHISH ROY	VILL: KASHIMPUR P.O: SUDARSHANNAGAR	Biralipara	9733405069
133100200024	DULAL CHAD CHOWDHURY	VILL: SIBPUR P.O: BANSHIHARI	Sakrail	9434985937
133100200015	DULAL CHANDRA KUNDU	VILL+P.O: JORDIGHI	Biralipara	9593632892
133100200027	EBARUDDIN AHAMED	VILL: SAYESTABAD P.O: KARKHA	Jagannathpur	9735079440
133100200017	GOBINDA ROY, AYETRI ROY	VILL JAMAR P.O KARAI	Kesharghata	9733360752
133100200006	KALYANI SKUS LTD.	VILL: KALYANI P.O: KUSHKARI	Mahukuri	9775904690
133100200021	MAHENDRA NATH ROY	VILL: NOAPARA P.O: JALALPUR	Chhota Faizullapur	9474439902

133100200020	MD. MOTIUR RAHAMAN	VILL: JAHARPUR P.O: SIHOLE	Dakshin Gopalpur	9734988145
133100200001	MIRA RANI SIKDER	VILL+P.O: DOULATPUR	Kashikuri	9474439640
133100200016	MOSLEM ALI	VILL: GAYENPARA P.O: CHERAGIPARA	Biralipara	9732971308
133100200022	MOTILAL DAS	VILL: BARAIL P.O: BUNIADPUR	Malam	9733079656
133100200009	NANI BALA ROY	VILL: BANAMALIPUR P.O: DOULATPUR	Madhupur	9734136739
133100200005	NARENDRA NATH SARKAR	VILL: KUSUMBA P.O: BUNIADPUR	Patkola	9733394265
133100200019	NITYA PRIYA SAHA	VILL+ P.O: SIHAL	Gerul	9775994492
133100200025	PROBHAT CHAKRABORTY	VILL+P.O: BUNIADPUR	Chandmukh	9434425103
133100200028	PROVURAM CHOWDHURY	VILL: DEURIA P.O:KORKHA	Bhingaldaha	9733032129
133100200012	PUSPALATA MONDAL, SUBRATA MONDAL	VILL PATHARGHATA P.O SUDARSHANNAGAR	Biralipara	9733261859
133100200003	RASH BIHARI DAS, SUJIT KUMAR DAS,	VILL JURAHAR P.O BADALPUR	Sankarabati	7407629094
133100200018	SITA SARKAR	VILL JAMAR P.O KARAI	Kesharghata	9733270396
133100200004	SUBAL CHANDRA SARKAR	VILL: BARAGRAM P.O: BADALPUR	Dilalpur	9800162994
133100200026	SUNIL KANTI DAS, DALI DAS, DIPAK KR. DAS, DILIP KR	VILLP.O BUNIADPUR	Chandmukh	9563564472
133100200023	SUNIL KUMAR SAHA	VILL: RASIDPUR P.O: BUNIADPUR	Rahimpur	9434207347
133100200013	UTPAL GHOSH	VILL: DITOLHAT P.O: BANSHIHARI	Biralipara	7031974080
133100200014	UTTAM GHOSH	VILL: DIGHI BANSHIHARI P.O: JORDIGHI	Biralipara	9735004850

**Name of Block : GANGARAMPUR**

FPS Code	Owner Name	Shop Address	Village	Mobile
133100600026	AHACHAN ALI SARKAR	VILL: SRINATHBATI P.O: JAHANGIRPUR	Sahanali	9832419829
133100600001	AMAL CHANDRA ROY	VILL: SINGHFARKA P.O: KANTABARI	Saraipur	9734091137
133100600038	AMALENDU DAS	NAYABAZAR	Hariharpur	9800284883
133100600009	AMBIKA CHARAN ROY	VILL: KARIAL P.O: JALALPUR	Badbighor	9733012510
133100600008	ANJALI BYAPARI (MONDAL)	VILL: NILDANGA P.O: JALALPUR	Jaypur	9647740028
133100600014	ASIM KUMAR DAS	VILL: SAYRAPUR P.O: JOYPUR	Takipur	9733202422
133100600017	ASIM KUMAR DAS	VILL: SOUTH BELBARI P.O: BELBARI	Dafarpur	9733202422
133100600027	BANIHARI SKUS LTD.	VILL: BANIHARI P.O:GANCHI	Sayrapur	8116976528

133100600004	BHABESH ROY	VILL: BHORAL P.O: SUKDEVPUR	Kakair	9733253988
133100600018	DILIP CHANDRA DAS	VILL: SAIDPUR P.O: NAYABAZAR	Katatair	9800087353
133100600015	HARIHAR PRASAD BHAGAT	VILL+P.O: JAYPUR	Khozapur	9733028197
133100600030	ICHHIMTARA BIBI	VILL GOKULPUR P.O ASHOKGRAM	Shikarpur	9609961973
133100600007	JIBON KUMAR GHOSH	VILL: PATAN P.O: JALALPUR	Katalhat	7699914135
133100600022	KALI CHARAN SARKAR	VILL: GOCHIAR P.O: NARAI	Mahipur	9563366558
133100600010	KAMALUDDIN AHAMED	VILL: RADHANAGAR P.O: RATANPUR	Kantaban	9434220392
133100600016	KHAGENDRA NATH PRAMANIK	VILL: PASCHIM JOYPUR P.O: JALALPUR	Khozapur	9434460550
133100600003	KISHAN HASDA	VILL: DAFARPUR P.O: CHAMPATALI	Abhirampur	9734427658
133100600020	MADAN KUMAR BASAK, MAHESWAR BASAK	VILLP.O CHAMPATALI	Khayerban	9609305796
133100600024	MAJEDUR SARKAR, MASKEDUL SARKAR	VILL+P.O: JAHANGIRPUR	Kabirpur	9734127392
133100600025	MAJEDUR SARKAR, MASKEDUL SARKAR	VILL RAMDEBPUR P.O JAHANGIRPUR	Sahabazpur	9734127392
133100600029	MOJAMMEL HOQUE	VILL: KASHIPUR P.O: ASOKEGRAM	Dhonail	9735029379
133100600034	MOSTAFAPUR SKUS LTD.	VILL: MOSTAFAPUR P.O: BURIDIGHI	Madhya Raghunathpur	9593237133
133100600011	MUKUL MIA	SAHABAJPUR VILL+P.O: RATANPUR	Singfarka	9434460287
133100600002	NAZRUL ISLAM	VILL: BELATHALI P.O: SARBAMANGALA	Pukurpar Raypur	8016705205
133100600023	OMPROKASH KANU	VILL: KESHABPUR P.O: RAJIBPUR	Ratanpur	9734127007
133100600012	PAJIRUDDIN MIAH	VILL: PATUL P.O:CHENCHRA	Brahmanpara	9733154830
133100600013	PRADIP KUMAR ROY	VILL: HOSSENPUR P.O: KANTABARI	Arazi Lalchandpur	9733313095
133100600036	RAJAB ALI SHAFAKIR	VILL: PALSA P.O: FULBARI	Kumargara	9735903256
133100600031	RAMAKANT PROSAD GUPTA	VILL: NEHEMBA P.O: ASHOKEGRAM	Keshabpur	9932922748
133100600028	RAZAUL KARIM SARKAR, RUHUL KARIM SARKAR	VILL SAHARA P.O PRANSAGOR	Durgapur (P)	9733351203
133100600019	SAMIRAN KUMAR SARKAR	VILL+P.O: SARBAMANGALA	Khayerban	9733260075
133100600006	SANKAR SARKAR	SUKDEBPUR	Dikul	9775433168
133100600005	SANKAR SARKAR	VILL+P.O: SUKDEVPUR	Hasnagar	9775433168
133100600035	SHYAMLATA DAS	VILL: NAKAIR P.O: FULBARI	Chhilimpur	9614700300

133100600033	SUBHAS CHANDRA DAS	VILL: ADIGRAM P.O: SANCHI	Sultanpur	9635462525
133100600032	TAIB ALI MIA	VILL: RAYPUR P.O: ASOKEGRAM	Nandair	9775861983
133100600021	TARUN KUMAR MAJUMDER, HABIBUR RAHAMAN, SATHI MAJUMDER	VILL RAGHUNATHBATI P.O KALDIGHI	Shukdebpur	9434120811
133100600037	TOFAJJAL MANDAL, TAMIJUR MANDAL, SADEKUL MANDAL, M	VILL P.O PANCHAGRAM	Mahakhair	9733446670

**Name of Municipality : GANGARAMPUR**

FPS Code	Owner Name	Shop Address	Village	Mobile
133101000003	AJOY KUMAR GHOSH	RAJIBPUR P.O: GANGARAMPUR	Gangarampur (M)	9933687427
133101000008	BIMAL CHANDRA SAHA	SHIB BARI P.O: RAJIBPUR	Gangarampur (M)	9434305710
133101000009	GOBINDA KUMAR BHOWMIK	INDRANARAYANPUR P.O: GANGARAMPUR	Gangarampur (M)	9332931025
133101000005	GOUTAM KUMAR KUNDU	RAJIBPUR P.O: GANGARAMPUR	Gangarampur (M)	9434171170
133101000011	ILA MOHANTA	PURANPARA P.O: GANGARAMPUR	Gangarampur (M)	9932417999
133101000001	KAMALESH CHANDRA FOUZDAR	VILL: RAJIBPUR P.O: GANGARAMPUR	Gangarampur (M)	9434347871
133101000007	KAMALESH CHANDRA FOUZDER (TAGGED)	BAROBAZAR P.O: GANGARAMPUR	Gangarampur (M)	9434347871
WB0331116112	MS. T.K.MAJUMDER AND PARTNERS	Kaldighi	Gangarampur (M)	9434120811
133101000010	NITYA RANJAN SAHA	EAST BELBARI P.O: BELBARI	Gangarampur (M)	9547792847
133101000006	SANTOSH DUTTA	NARAYANPUR (LAXMITOLA) P.O: GANGARAMPUR	Gangarampur (M)	9933957850
133101000004	SUMITA SARKAR	D.B.ROAD PARA P.O: GANGARAMPUR	Gangarampur (M)	9474072065
133101000002	SUSHANTA KUMAR BASAK	RAJIBPUR (DUTTA PARA) P.O: GANGARAMPUR	Gangarampur (M)	9434425651

**Name of Block : HARIRAMPUR**

FPS Code	Owner Name	Shop Address	Village	Mobile
133100900025	AHIBHUSAN DAS	VILL: MUSKIPUR P.O: BARAGRAM	Kundana	9046037908
133100900027	ARINDAM DAS	VILL+P.O: HARIRAMPUR	Atharbbabati	9563615927
133100900003	BADAL CHANDRA CHAKRABARTY	VILL+P.O: BAIRHATTA	Chandipur	9734937448
133100900005	BIPAD BHANJAN DAS	VILL: MOHENDRA P.O: KANAIPUR	Barajhara	7602528662
133100900001	GHANASHAYAM SARKAR	VILL: BAGBARI P.O: DANGRAM	Aligara	9434166234
133100900002	GIRINDRA NATH	VILL: JATHIGRAM P.O:	Brahmanga	977587017

2	SARKAR	BALIHARA	on	7
133100900009	IDRISH MIAH	VILL: VETAHAR P.O: BAGICHAPUR	Uttar Srirampur	973341004 5
133100900017	JHABBAR PRADHAN, NAZAR PRODHAN, RAM PRODHAN, HEM P	VILL MOBARAKPUR P.O KANAIPUR	Manchampur	973335982 6
133100900019	MAJEDUR RAHAMAN	VILL: ABADPUR P.O: BALIHARA	Uttar Mulahati	977586127 4
133100900018	MANINDRANATH SARKAR	VILL: ASOL BANAGRAM P.O: BALIHARA	Naogaon	786602098 1
133100900021	MD. BADIUZZAMAN MIAH	VILL: PIRKAMAIL P.O: MALIANDIGHI	Uttar Benail	993370571 4
133100900004	MD. HUSSAIN MIAH	VILL P.O BAIRHATTA	Chandipur	993370571 4
133100900026	MD. MOJAHARUL HAQUE	VILL+P.O: SAIYADPUR	Atharbbabati	973318124 3
133100900024	MIJANUR RAHAMAN	VILL: PENGLU P.O: KALAIBARI	Asrafpur	977595755 4
133100900008	MIRAJUL ISLAM	VILL AMRAKURI P.O BAGHICHAPUR	Uttar Srirampur	973400010 5
133100900002	MOMINUR RAHAMAN	VILL: KHOTKHAMAR P.O: BOIRHATTA	Kothamar	973521429 5
133100900012	NANDAN SARKAR	VILL: P.O: DANGRAM	Kanur	977581071 9
133100900001	NRIPENDRA NATH ROY	VILL: JAGDOLA P.O: KANAIPUR	Dakshingao n	964783440 4
133100900014	PRADIP KUMAR PRASAD	VILL: KOKIL P.O: DAULATPUR	Bahadurpur	993213951 4
133100900006	RAFIUDDIN AHAMED	VILL: MOLLAHAR P.O: BAGICHAPUR	Naopara	961427369 3
133100900028	RAM DULARI DEVI, SITA GUPTA, SUMI GUPTA	VILL P.O HARIRAMPUR	Atharbbabati	943413087 4
133100900013	RAMCHARAN SINGH	VILL: SHYAMDAS P.O: DANGRAM	Chhota Khidirpur	973593382 0
133100900020	RAMPADA SARKAR	VILL: KASBA P.O: BAIRHATTA	Mudafatma kimpur	973591261 4
133100900010	SANATAN SARKAR	VILL: UKHALI P.O: HARIRAMPUR	Khusipur	973331072 4
133100900031	SANJIB ROY	VILL+P.O: HARIRAMPUR	Atharbbabati	875958475 1
133100900007	SANKAR MAHATO, KANTI MAHATO	VILL BAHADURPUR P.O DANGRAM	Panthanpara	900286859 5
133100900023	SANTOSH SINGH, THAKUR SINGH	VILL MUSHAN P.O BARAGRAM	Bartakkigra m (I)	801633168 8
133100900015	SUBAL CHANDRA SARKAR	VILL: BARTOKI P.O: KANAIPUR	Betna	973321669 9
133100900029	TAFIZUDDIN AHAMED	VILL: MEHENDIPARA P.O: DOULATPUR	Atharbbabati	973304743 0
133100900016	TARAPADA SARKAR	VILL+P.O: PUNDARI	Kalsi	973579519 3
133100900030	TULSI MALI SARKAR	VILL+P.O: HARIRAMPUR	Atharbbabati	973317895 5

Name of Block : KUSHMANDI				
FPS Code	Owner Name	Shop Address	Village	Mobile
133100800033	ABDUL MANNAN	CHOUSHA	Gilapukur	9153329749
133100800015	ANAMUL ISLAM	NANAHARPARA P.O SIHOL	Titih	9733468128
133100800007	BAKUL DAS	VILL+ P.O: DEHABAND	Kasba	9434964797
133100800006	BHABENDRA NATH ROY	MANIKORE	Gopibati	9547089033
133100800026	BHUJANGA SARKAR	VILL:BARAKRISHNAPUR P.O: SHIBKRISHNAPUR	Nurulla Kuringarpara	9733259830
133100800039	BIJENDRA NATH ROY	KATABARI	Rampur	8670256149
133100800036	BIPLAB JOARDAR	MAHIPAL	Baraidanga	9733455560
133100800004	BIRENDRA NATH SARKAR, SUSHILA SARKAR, DIPAK SARKAR	MOLLAPARA	Mollapara	9475163518
133100800001	DHIRAJ DEB SINGHA	USHAHARAN HAT	Bochkapara	9593966863
133100800002	DWIJENDRA NATH DUTTA	MANIKAR	Rajkot	9733452619
133100800021	GOLAM ROBBANI	ARAGIPANISALA	Tejihar	9932695311
133100800008	GOPINATH SARKAR	VILL: MAHATOR P.O: SANDHIYA	Bahadol	9734049515
133100800032	HABIBUR RAHAMAN, ABDUR RAHIM, ABDUR RASID	UTTAR PARA	Balaspur	9734055680
133100800025	HAFIZUR RAHAMAN	DAKSHIN NAHIT	Isnail	9734014695
133100800034	HIRENDRA NATH SARKAR	VILL+P.O: CHOUSA	Dhakdhol	9733287364
133100800027	KAMAL KUMAR PAUL	BASAIL	Shabdapur	9434373843
133100800013	KARTICK CHANDRA ROY	SAHAPUR	Mahishbathan	9733452588
133100800018	KESHAB JOSHI, MIRA SHARMA	AKCHA	Poradanga	8116295869
133100800003	MADHULAL SAHA, SHANTI SAHA, PARTHA SAHA	VILLP.O MANIKAR	Manikor	9434373819
133100800019	MADHURI CHANDRA SARKAR	PARAMESWARPUR	Jaherpur	9474848891
133100800024	MAJEDAR RAHAMAN	UTTAR NAHIT	Isnail	9733440310
133100800009	MANSUR ALI, ANARUL ISLAM	VILL SILIMPUR P.OBOIRHATTA	Silimpur	9733436764
133100800016	MAYA CHOWDHURY, SHYAMALENDU CHOWDHURY< GOUTAM CHOW	NAHIT	Pachim Balarampur	9735057031
133100800029	MOHANLAL PRASAD, UTTAM PRASAD, KISORI PRASAD	KALIKAMORA	Shrirampur	9775925915
133100800011	MOJAHAR ALI	MALIHAR	Chapra	9734047809
133100800023	MOJAHAR ALI	CHORAGACHHI	Choragachhi	9609976540

133100800005	NARAYANI GHOSH	MAJHAIR	Patinahar	9734997044
133100800037	PRALAY KUMAR ROY	VILL - PANCHHATA P.O - DIKUL	Chhota Damodarpur	8967298820
133100800012	RABEYA BEWA, RAZZAK HOSSEIN, REJAUL KARIM	BASOIL	Saraihat Bajedonor	9733053046
133100800014	RAJA ROUTH	KUSHMANDI	Titih	9474139123
133100800040	RAJMOHAN BARMAN	VILL+P.O: DURGAPUR	Mulai	9679847856
133100800031	RAM KUMAR JHA, OMPROKASH JHA	VILL MANGALPUR P.O SHIBKRISHNAPUR	Bhikanpur	9932734542
133100800010	ROSNAWARA BEWA, NUR ALAM, NURUL ISLAM	SARALA	Sarala	9434879812
133100800030	SACHINDRA NATH ROY	CHEWRA	Krishnapur	8145815681
133100800022	SANTOSH KUMAR DAS	UTTAR KARANJI	Baghna	9434458988
133100800028	SWAPNA MITRA	VILL+P.O: AMINPUR	Aminpur	9932065877
WB003318504 1	SWAPNA MITRA	Vill+P.O: Aminpur	Aminpur	9932065877
133100800035	TARUNNEHAR BEGUM, ABDUL MALEK	VILL PUTOHARI P.O MAHIPAL	Kumruk	9733006915
133100800017	TUJAMMEL HOQUE	PICHHLAPUKUR	Kalancha	9933538351
133100800038	UPASU SARKAR	DIKUL	Osmanpara	9593840769
133100800020	VISWADEB SARKAR	VILL: KRISHNAPUR P.O: PARAMESWARPUR	Ekdala Bahirhata	9474848891

**Details of M.R. Distributor in PDS  
District : Dakshin Dinajpur**

SL. No	Name of M.R.Distributor	Block/Municipality	Address	Contact Number
1	M/s. S.P. Chatterjee & Sons	Balurghat (B+M)	Balurghat	9434964325
2	Smt. Rinku Saha	Balurghat (B+M)	Balurghat	9434055454
3	Sukla Saha Sarkar	Balurghat (B+M)	Balurghat	9933707038
4	Bejoy Kr. Saha	Balurghat	Patiram	9434130765
5	M/s. Adhir Chandra Kundu	Hili	Hili	9933612669
6	Kumarganj ACMS Ltd.	Kumarganj	Mohanahat	9434964208
7	Tapan Co-Opt AMS Ltd.	Tapan	Tapan	9434035021
8	Pranab Kr. Sarkar	Gangarampur	Gangarampur	9434247057



9	Pradip Kr. Sarkar	Gangarampur	Gangarampur	9434460190
10	Shree Raghunath Joshi	Kushmandi	Kushmandi	9434325437
11	Sangita Daga	Harirampur	Harirampur	9434513139
12	Gobinda Kundu	Banshihari	Buniadpur	9434211185

### **Plan of Balurghat Agri-Mech Division**

Damages caused to different R.L.I. Schemes throughout the district in the Aug-Sep'2017 flood :-

- Toppling and dislocation of twin-hull steel barges along with engines and electric motors inside them.
- Submerging of pump-houses causing extensive damages to various electric instruments.
- Diesel engines and electric motors were water-logged.
- Pipelines were severely affected due to extensive silting and erosion of soil.
- Many utility instruments were lost by the over-powering flood water flow.
- 

Future course of actions to avoid such losses in case of disasters :-

- Creation of a social-networking group for each sub-division involving all site-staffs for better communication regarding any disaster and actions there-after.
- Anchoring system of barges have been made more rigorous and due attention is provided for their proper maintenance.
- Diesel engine and electric motor installations have been made more rigid so that they are not dislocated.
- Before onset of monsoon, the vital instruments are shifted to nearby safe-houses under the vigilance of site-staffs.
- Electric equipments, earthings are being made more foolproof to avoid any mishap in case of any disaster.

Contact Persons :

Mr.Debrata Bargi (Assistant Engineer(A-M) - Gangarampore(A-M)Sub-Div.) – 8250374762

Mr.Sudip Roy (Assistant Engineer(A-M) - Balurghat-II(A-M)Sub-Div.) - 8420526052

**Annexure IV**

**Vulnerability Matrix**

**Disaster Management Vulnerability\_Gangarampur Dev. Block**

1	2	3	4	5	6	7	8	9	10
Name of Block/Municipality	If prone to flood, mention number of people in vulnerable zone	If vulnerable to cyclone, mention number of people likely to be affected in case of cyclone	If vulnerable to tsunami, mention number of people likely to be affected in case tsunami	If vulnerable to landslide, mention number of people likely to be affected	If vulnerable to chemical/industrial disaster, mention number of people likely to be affected	People likely to be affected in by other disaster, if any (mention disaster & number of people)	Total number of people given in columns 2 to 7	Earthquake vulnerability Zone	Priority ranking as per vulnerability to multiple disasters
Gangarampur	110516	Nil	Nil	Nil	Nil		110516		Flood

NAME OF GRAM PANCHAYAT	Number & name of villages tagged with this shelter	Total tagged population	How many persons can be accommodated?	Flood shelter/cyclone shelter	Difference between tagged population & capacity of shelter, if any	Remarks
BELBARI-II	LAXMITALA	1500	3500	1. POLYTECHNIC COLLEGE 2.NIRANJAN GHOSH SRITI H.S.	10000	
	CHARULLYA	1500				
	KADIGHAT	2000				
	MAHARAJPUR	2500				
	PATAN	3500				
	BOALDAH	2500				
	THANGAPARA	2500	1200	THANGAPARA HIGH SCHOOL	3300	

	JALALPUR	2000				
	MAHIPUR	1500	300	MAHIPUR JR. SCHOOL	1200	
	PIRPAL	2000	300	NARAYAN JR. HIGH SCHOOL	1700	
	NARAYANPUR	3000	1200	MALIPARA TU H.S.	1800	
BELBARI-I	BELBARI	8000	400	UTTAR BELBARI JR. H.S.	7600	
	JOYPUR	7000	500	SAYRAPUR H.S.	6500	
SUKDEVPUR	ANANTAPUR	1200	200	Anantapur F.P School & Others	1000	
	SINGFARKA	960	150	Singfarka F.P School & Others	810	
	Mallikpur	1600	800	Hossainpur Flood Shelter, Hossainpur Jr. HS, Shalbari School	5662	
	Hossainpur	3000				
	KANTABAN	1862				
	Joydevpur	1200	150	Joydevpur F.P School & Health Centre	1050	
	Sukdevpur	7054	2000	GP Office , Tant Samity , Durga Mandir , Sukdevpur H.School , Bhagabanpara Temple , Putimari Temple , Begardhuri Temple	5054	
	Jafarpur	1442	250	Ramkrishnapur Jr.School , Lebutala ,	1142	
	Bhoral	1726	150	Bhoral F.P School	1576	
	KANTATAIR	3282	300	Kantatair F.P School, Tarultala FPS	2982	
	Debipur	2275	200	Debipur F.P School	2075	
	Pargaon	521	100	Pargaon F.P School	421	
	Akchha	1427	200	F.P school & Others	1227	
NANDANPUR	Jadabbati(E)	827	600	Sahabajpur Flood Rescue Centre	2193	
	Jadabbati(W)	630		Sahabajpur Flood Rescue Centre		
	sayrapur	1338		Sahabajpur Flood Rescue Centre		
	Tilna	1174	0	Nil	1174	

	Sahanali	862	100	Bisrail H.S.	762	
	Hiranabati	580	100	Bisrail H.S.	480	
	Bisrail	862	200	Bisrail H.S.	662	
	Fatenagar	1534	0	Nil	1534	
	Korial	1838	0	Nil	1838	
	Bhaktipur	1074	0	Nil	1074	
CHALOON	Sidlim	705	0	Nil	705	
	Chaloon	2615	2615	Chaloon jr Basic, chaloon adibasi fps, girja	0	
	Mirjapur	2512	2512	Mirjapur fps,Mirjapur upper primary	0	
	Basudevpur	1276	1276	SI office , SSK , Church	0	
	Chaksree	778	778	Chaksree fps , Banihari HS	0	
	Janchi	450	450	Janchi fps ,chaloon hs	0	
JAHANGIRPUR	KHOJAPUR	937	1500	Jahangirpur HS	1746	
	Kasba	1009		Jahangirpur HS		
	Jahangirpur	1300		Jahangirpur HS		
	Mahurkismat	3944	200	Mahurkismat FPS ,Main Road	3744	
	kashimpur	1105	200	Kashimpur FPS, Shibmandir ICDS	905	
	Ilamtoir	343	200	Jahangirpur HS	143	
	fayejpur	562	200	Panchayat Office	362	
	Hekendar	82		Panchayat Office	82	
	Srinathbati	781	150	Srinathbati FPS	631	
	Nehatair	503	300	Enayetpur ssk	203	
	Enayetpur	587		Enayetpur ssk	587	
	Keshabpur	1500	300	Keshabpur FPS , Main Road	1200	
GANGARAMPUR	DURGAPUR	1907	200	Durgapur FPS, ssk ,msk	1707	
	BISHNUPUR	2153	200	GopalpurJr H. S	1953	
	KAMARPUR	2099	1500	Puratan Gangarampur HS, Kamarpukur FPS	599	
BASURIA	Hamjapur	5600	1500	Doulatpur Jr HS ,Keshabpur FPS, Basuria sr. Madrasha, Sarbamangala HS ,Abeshkuri High Madrasha, Chakshibpur FPS	4100	
	Madhabpur					
	Takipur					
	Abidpur					
	Antal					
	Toushi					
	Teliapara					

<b>Total:</b>	<b>110516</b>	<b>26981</b>		<b>83483</b>	
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### KUSHMANDI BLOCK

Sl. No .	Name of the G.P.	Name of the River and Khari	Name of the most vulnerable Mouzas
1	<b>Akcha</b>	Barobill & Vetnai Khari	Krishnapur 1039, Tichlihar 121, Minapara 1106, Anantapur 1273, Pora Bagdol 276, Bagdole 681, Bateshwar 838, Goalgaon 1135, Ukhalia 2175.
2	<b>Karanji</b>	Tangan River	Balashpur 531, Betahar 1542, Ujil 1080, Dhakdhole 1025, Shibkrishnapur 1257, Barokrishnapur 563.
		Partly Tangan River & Khari	Nahit 3437, Karanji 2796, Choragachhi 549.
3	<b>Udaypur</b>	Tangan River & Tulai	Kandaha 784, Pukurpara Raypur 584, Sherpur 515, Devipur 460, Salekhkuri 622, Chandpur 457, Ayra 820, Palashbari 152, Achroil 530, Kanthail 100, Balarampur 516, Udaypur 1721, Padamkuri 541, Chousa 1748, Basudevpur 300, Moulai 395.
		Maan River	Saraipur 319, Putohari Maheshpur 186, Jhagrapara 133, Purba Basoil 1118, Chandipur 1918, Bagduma 709, Mastroil 384, Kapuria 496, Bhelakuri 605.
4	<b>Kushman di</b>	Tangan River	Rampur 552, Joypur 310, Milanhat 338, Pachimpara 478, Nambhoil 222, Salkhoir 85, Mangalpur 905, Uttarpara 8052, Angaripara 237.
		Khari & Tangan River	Pathanpara 487, Barogachhi 622, Basoil 917, Kumruk 380, Buripukur 204, Ibrahimpur 192, Minapara 601, Banihari 1323.
5	<b>Deul</b>	Baliakhari	Beldanga 1104, Gopalpur 433, Isnail 1094, Subarnapur 447, Jugoti 313, Navore Titithi 326.
6	<b>Beroil</b>	Srimati River	Mahatore 583, Dehaband 1660, Kachra 987, Sindurmuchi 308, Deokhanda 527.
		Baliakhari	Harigram 883, Kalancha 270, Pupra 160, Sarala 2167, Bhaktipur 383, Deulbari 1031, Kuorbari 761, Beroil 1969, Ekdala 1310.
7	<b>Kalikamora</b>	Tangan River	Amlahar 623, Rosulpur 887, Punot 160 Dhandoil 204, Deulabari 489, Shibrampur 684, Narayanpur 449, Pharasapur 349, Poinala 609, Kalikamora-552, Jagannathpur 145.
8	<b>Maligaon</b>	Punarvaba River	Gobrabill 331, Khanpur 280, Madhabpur Barogachhi 298, Sekendarpur 983, Jafarpur 229, Chandoil 720, Purba Mollapara 470.
		Maan River	Panchhata 1541, Ramchandrapur 551, Kakoir 452, Randanga 256, Panchanagar 287, Raypur 540, Alampur 698, Jotjagannath 351, Jadavpur 204, Ekdala 219, Hanshnagar 450, Dikul 460, ChakHaripur 195, Bighore 133, Magura 77, Durgapur 860, Mahabullapur 569, Shikarpur 281, Kanthalhat 317, Gangajit 197, Maligaon 1002, Khamrail 191. Baro Kafurchand 891, Lohaganj 1745, Jotahar 640.

	Tangan River	Chhoto Damodarpur 898, Usmanpara 39, Baro Damodarpur 752, Dopitha 352, Laxijal 157.
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Special attention may be laid upon the following embankments:-

- 1 Palpara to Makdultala - Tangan River- (Kushamandi GP)
- 2 Rasulpur Colony - Tangan River- (Kalikamora GP)
- 3 Balarampur - Tangan & Tulai River - (Udaypur GP)
- 4 Mahishakuri Switch Gate - Tulai River - (Udaypur GP)

**Balurghat Block**

1	2	3	4	5	6	7	8	9	10
Name of the Block/Municipality	If prone to flood, mention number of people in vulnerable zone	If vulnerable to Cyclone, mention number of people likely to be affected in case of cyclone.	If vulnerable to Tsunami, mention number of people likely to be affected in case of tsunami	If vulnerable to landslide, mention number of people likely to be affected	If vulnerable to chemical/industrial disaster, mention number of people likely to be affected	People likely to be effected by other disaster, if any (mention disaster & number of people)	Total no. of people given in columns 2 to 7	Earthquake Vulnerability Zone	Priority ranking as per vulnerability to multiple disasters.
Balurghat	2990	0	0	0	0	0	2990	0	

Flood/Cyclone Shelter

Flood Shelter/Cyclone Shelter	Year of Construction	How many persons can be accommodated?	Number & Name of villages tagged with this shelter	Total tagged population	Difference between tagged population & capacity of shelter, If any	Remarks
Dakra Flood Shelter		200	Dakra	350	150	150 nos. of people may be accommodated at Nadipar Girls High School

Chakvrigu Vivekananda Flood Shelter		200	Chakvrigu	400	200	200 nos. of people may be accomodated at Nadipar NC High School
Kalikapur Flood shelter	2018	350	Kalikapur, Phughara	400	50	50 nos. of people may be accomodated at Kalikapu High School



**Annexure – V**  
**Gallery:**



**Condition during flood**



Camp at Gangarampur BDO Office .







*To curb the flood or flood like situation it will be helpful to the villagers if they can made their dwelling houses with bricks and cement through EWS housing schemes and necessary measures must be taken to oppose the water locking.*



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