

# **DISTRICT DISASTER MANAGEMENT PLAN PASCHIM MEDINIPUR - 2020**



**Office of the District Magistrate  
Paschim Medinipur**

**For Office Use Only**

# **Disaster Management & Civil Defence Section Paschim Medinipur**

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### **Fire**

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### **Medical help**

**03222-275764 / 275102**

### **District police**

**100 / 03222-267983 (control room)  
032222-275609**

### **Electric**

**03222-275800 / 275828 / 263796**

### **Child helpline**

**1098**



## FOREWORD

Disaster management is a process or strategy that is implemented when any type of catastrophic event takes place. A truly comprehensive disaster management action plan will encompass a wide range of possibilities that can easily be adopted in the event of one disaster that sets off a chain reaction of other types of disasters in its wake.

Paschim Medinipur district in the past has experienced disasters like flood, drought, cyclone etc. In the year 2013 the district experienced five successive spells of flood due to heavy rainfall in upper catchment areas and huge discharge from dams. We have also faced flood during the year 2015. A havoc flood in 2017 caused enormous loss to human lives and properties. We can minimize the suffering of the affected people by providing assistance to them in case of emergency. Preparation of Disaster Management Plan-2020 is viewed as a part of preparedness with a view to take appropriate action to save human lives and properties in the face of disaster.

The Disaster Management Action Plan-2020 is a co-ordinated effort of Disaster Management Section of Paschim Medinipur Collectorate and other line departments. These departments actively engage themselves during the period of disasters like flood, cyclone etc. The action plan and contingency plan of these departments have been incorporated in this Plan.

I hope that this plan will be immensely helpful to the Government officers of Paschim Medinipur and will be an important source of information and document in the event of disasters. This plan will also prove to be helpful in serving the purpose of saving affected people and mitigating their sufferings with the efforts and dedication of all the persons associated with Disaster Management.

**Dated: 01.03.2020**

**District Magistrate  
Paschim Medinipur**

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## LIST OF ACRONYMS

<b>NDMA</b>	National Disaster Management Authority
<b>SDMA</b>	State Disaster Management Authority
<b>DDMA</b>	District Disaster Management Authority
<b>DDMC</b>	District Disaster Management Committee
<b>NCMC</b>	Natural Crisis Management Committee
<b>NCRMP</b>	National Cyclone Risk Mitigation Project
<b>NDRF</b>	National Disaster Response Force
<b>SDRF</b>	National Disaster Response Fund
<b>DDMO</b>	District Disaster Management Officer
<b>BDMO</b>	Block Disaster Management Officer
<b>SDO</b>	Sub-Division Officer
<b>SDDMO</b>	Sub-Divisional Disaster Management Officer
<b>BDO</b>	Block Development Officer
<b>CBDM</b>	Community Based Disaster Management
<b>DMC</b>	Disaster Management Community
<b>NEC</b>	National Executive Committee
<b>NEOC</b>	National Emergency Operation Centre
<b>DMD</b>	Disaster Management Department
<b>GP</b>	Gram Panchayat
<b>NDMF</b>	National Disaster Mitigation Fund
<b>NDRF</b>	National Disaster Response Fund
<b>EWS</b>	Early Warning System
<b>FAO</b>	Food and Agriculture organisation
<b>FMP</b>	Flood Management Planning
<b>GIS</b>	Geographic Information Systems
<b>GOI</b>	Government of India
<b>SCMG</b>	State Crisis Management Group
<b>SMS</b>	Safety Management Systems
<b>SOP</b>	Standard Operating Systems
<b>HRD</b>	Human Resource Development
<b>IRS</b>	Indian Remote Sensing Satellites
<b>ISRO</b>	Indian Space Research Organization
<b>NGO</b>	Non Governmental Organization
<b>NIDM</b>	National Institute of Disaster Management
<b>CBO's</b>	Community Based Organisation
<b>DCG</b>	District Crisis Group
<b>IAP</b>	Incident Action Plan
<b>VDMA</b>	Village Disaster Management Authority
<b>T/R/U</b>	Total / Rural / Urban
<b>HRVA</b>	Hazard, Risk&Vulnerability Assessment
<b>ACWC</b>	Area Cyclone Warning Centre
<b>CWDS</b>	Cyclone Warning Dissemination System
<b>EWS</b>	Early Warning System

# CHAPTER - 1

## 1. Introduction

The District Disaster Management Plan (DDMP) aims to make the District Disaster resilient and reduce loss of lives, infrastructure and economical assets during calamities.

The DDMP provides a framework to deal with all phases of disaster management cycle -prevention, mitigation, response and recovery—and lays down duties and also works simultaneously with various government departments at all levels such as Sub-Division, Blocks and Gram Panchayat level.

It identifies 18 broad activities to be served as a ready reckoner. These include early warning, maps, satellite inputs, information dissemination, evacuation of people, livestock's and animals, medical care, drinking water, essential supplies like food, communication, power, fuel, transportation, disposal of animal carcasses, relief employment, data collection and management.

The most important part of the plan is the horizontal and vertical matrices that we have worked out which clearly states who has to do what right from Panchayat, Block, Sub-Division or local body to district level.

The DDMP also identifies short, medium and long term measures to deal with disasters to be completed within five, 10 and 15 years respectively. Besides humans it also suggests ways to protect animals. For instance, it stressed that, “agencies specializing in animal care should provide necessary advisory and support for the care and protection of animals”.

In Heat wave conditions, animal and livestock owners must feed adequately with appropriate feed to avoid animal deaths. They must stock suitable feed or forage before Heat wave to feed the livestock. They must avoid exposure of animals to extreme heat. The plan also focuses on human-induced disasters.

The human-induced category includes CBRN (chemical, biological, radiological and nuclear) disasters. Besides, with the natural factors discussed earlier, various human induced activities are also responsible for accelerated impact and increase in frequency of disasters in the district. The DDMP covers disaster management cycle for all types of hazards faced in District, both natural and human-induced. Its mitigation measures and at end the Relief and rehabilitation measures.

## **1.1 Changing Context of Disaster Management and Enactment of DM Act in India and West Bengal**

A profound change in governmental disaster management has occurred during the last decades. Gone are the days of “hunkering down” and riding out the hazard event with a command and control mentality that only focused on clean-up and the rescue of survivors. In its place is an emphasis on the reduction of loss of life and property through mitigation, preparedness, response, and recovery.

The Government of India, in recognition of the importance of Disaster Management (DM) as a national priority, on 23 December 2005 took a defining step by enacting the Disaster Management Act. This is a unique legislation which provides for requisite institutional mechanism for drawing up and monitoring the implementation of the disaster management plans, ensuring measures by various wings of the Government for prevention and mitigating effects of disaster and for undertaking a holistic, coordinate and prompt response to any disaster situation.

The state of West Bengal has already adopted National Disaster Management Act, 2005. Chapter IV of DM Act, 2005 mandates every district in the country to constitute a District Disaster Management Authorities. Articles 31 of DM Act, section of the DM Act, 2005 provides that “there shall be a plan for disaster management for every district of the state. The district plan shall be prepared by the District Authority, after consultation with the local authorities, covering HRVA measures to be taken for prevention with the local authorities, covering HRVA measures to be taken for prevention and mitigation of disaster, capacity building and preparedness measures and response plan. The response plan includes allocation of responsibilities to the depth at local to district level; prompt response and relief, procurement of essential resources; establishment of communication link, and public awareness”. Subsection of Article 31 says that the district plan shall be received and update annually.

## **1.2. Aims and Objectives of the DDMP**

### **Aims:**

The District Disaster Management Plan (DDMP) aims at identifying the disasters and threats that are prevalent in the district, and at the same time addressing the processes that would be involved in addressing the disasters in the district. It is a consolidated guidelines and plans of the district disaster management department in collaboration with the line department in addressing disaster situations.

Meaning of Disaster Management: “Disaster Management” means a continuous and integrated process of planning, organizing, coordinating and implementing measures which are necessary or expedient for-

- Prevention of danger or threat of any disaster;
- Mitigation or reduction of risk of any disaster or its severity or consequences;
- Capacity building;
- Preparedness to deal with any disaster;
- Prompt response to any threatening disaster situation or disaster;
- Assessing the severity or magnitude of effects of any disaster;
- Evacuation, rescue and relief;
- Rehabilitation and reconstruction.



The District Disaster Management Plan (DDMP) is a consolidated format of the plans and actions of the various government departments in the district and the roles and responsibilities they would take up in the time of disaster.

### **Objectives:**

The major objective of the disaster management plan is to minimize the impact of any disaster and increase the capacity of the administration to have coordinate effort to reduce the impact of any disaster and minimize the human and capital loss.

- To find out the type of risks the district is vulnerable to.
- To measure the vulnerability of life and livelihood and infrastructures to different type of risks.
- To develop a multihazard preparedness plan for effective management of different type of disasters the district is vulnerable to.
- Institutionalization of the disaster management in district administration
- To develop strategy for mass awareness on do's and don'ts on different type of disasters.
- To find out the resources of the district.
- To create a cadre of skilled volunteers to respond to different type of disasters.
- To make inter-departmental coordination more effective at the time of emergency.
- Encouraging and empowering the local community to know the disaster management
- Regular update of the resource available in and around the district.
- To strengthen the capacities and resilience of vulnerable community with special emphasis on empowerment of women and establish community level systems for pre, during and post disaster interventions through awareness generation and capacity building.

## 2. District Profile

### 2.1 Demographic Features of Paschim Medinipur

<b>DEMOGRAPHIC FEATURES</b>		<b>ANIMAL RESOURCE DEV.</b>	
Population (Census 2011)	4684830	Veterinary Hospital	
Male	2386554	SAHC + DVH	07
Female	2298276	BAHC	21
Scheduled Castes	885665 / 18.9%	ABAHC	18
Scheduled Tribes	541235 / 11.55%	ADAC	171
Rural Population	4181629	Mobile Veterinary unit	3
Urban Population	503201	<b>PANCHAYAT &amp; R.D.</b>	
Area (in Sq.K.M.)	3307.76	Zilla Parishad	01
		Panchayat Samity	21
<b>EDUCATION (2017)</b>		Gram Panchayat	211
No. of CLRC	51	Gram Sansad	3040
No. of CRC	257	No of Mauzas	5790
No. of Govt. aided Primary Schools	4962	<b>HEALTH &amp; FAMILY WELFARE</b>	
No. of Sr. Madrasa (Co-Ed)	03	Medinipur Medical College Hospital	01
No. of Govt. Upper Primary Schools	352	Homeo Medical Collage & Hospital	01
PTTI	03	Sub-Divisional Hospital	02
No. of Govt. Secondary School	207	Rural Hospital	19
		Super Speciality Hospital	03
		BPHC	21
No. of Govt. High Secondary School	374	P.H.C	57
No. of High Madrasa	13	Sub-Centre	639
No. of SSK	2440	T.B. Sanatorium	01
		<b>MINOR IRRIGATION SOURCES (undivided)</b>	
No. of MSK	232	Deep Tube Wells (DTW)	141
		Area irrigated	4975 Hec.
Literacy Rate (2011)	79.52%	High Discharge Tube Wells (HDTW)	72
		Area irrigated	2611 Hec.
<b>Others Educational Institutions</b>		Medium Duty Tube Wells	40
College (Degree)	24	Area irrigated	813 Hec.
University (V.U.)	01	Low Duty Tube Wells	442
No of Medical Colleges	01	Area irrigated	1686 Hec.
No. of Homoeopathic Medical College	01	Surface Flow Irrigation	08
I.I.T. ( KGP)	01	Area irrigated	2685 Hec.
		River Lift Irrigation	367
		Area irrigated	18719 Hec.

## 2.2 Location and boundaries:

Paschim Medinipur, located in the southern part of West Bengal, has been carved from the erstwhile Medinipur district, the then largest district of India, and came into existence in the present form from 1<sup>st</sup> January 2002. Subsequently the district has been bifurcated on 04.04.2017 creating a new District Jhargram. Paschim Medinipur is bounded by Bankura district from the northern side and Purba Medinipur district from the south-eastern side the southern and western boundary of the district is merged with Jhargram District.

**The present** population of the district is 47 lakh (approx.) with 18.9%SC and 11.55% ST population. Geographical area of the district is 3307.76 Sq. Km.

**Multifarious Regional Diversity:** Paschim Medinipur district represents regional diversity in terms of physiographic, agro-climatic characteristics, economic development, social composition etc. It has low basins in the south-east and east. It has drought-affected dry areas in the west but highly wet flood-affected in the east. Dense dry deciduous forest in the west is replaced by semi-aquatic vegetations of marsh lands in the east. It has barren lateritic, non-arable lands in the west and north-west, which gradually changes with highly productive alluvial soil areas in the central and eastern part of the district. It is the abode of tribes and primitive tribes in the western blocks while most of the other areas are inhabited by all castes of the mass society. It represents cultural diversity across blocks.

**2.3 Topography:** The area of the district is 3307.76 Sq.Km. The general appearance of the district is that of a large and well-cultivated plain, but towards the north and west gently undulations appear, with ridges covered by a thick growth of sal trees and other scrub jungle, while the intervening depression produces rich crops of rice. Partly from the poor fertility of the soil, and also from the ruthless way forest have been cut down in past, large forest trees are scares, but still in the neighborhood of some of the villages, a few fine tamarind, sal and mahua trees still do remain.

**2.4 Natural Division:** Broadly speaking, there are two natural divisions of the district. The metalled road from Raniganj and Bankura, which traverses the district from north to south, passing through the station of Medinipur and onwards to Balasore and Cuttack, may be generally taken as a dividing line between them. To the east of this road, the soil is purely alluvial, the country is flat, and the land is fertile and fully cultivable. To the west, the country is undulating, the high lands of Central India here terminating in long rolling waves of laterite rock. The characteristic formation of the district is laterite in the north and west, but in the south and the east it gradually gives way to the ordinary alluvium of the Gangetic delta.

The alluvial portion may be subdivided into two divisions; first, there is a strip of purely deltaic country bordering Hooghly, intersected by numerous river and water-courses, which are subject to tidal influence. These water-streams are usually connected with one another, thereby rendering it to travel by water. This low-lying tract extends for about 20 miles inland from the Rupnarayan and Hooghly. The alluvial deposits seem to cover the final swells of the laterite formation. None of this formation as yet appeared on the surface, but the watersheds between the streams are distinct, and the general elevation of the country is higher. The second division consists of the alluvial tract constituting the remainder of the eastern half of the district. This is monotonous rice plain intersected by numerous waterways and tidal creeks, which are lined with embankments to protect the fields from flood water. Much of the area is waterlogged, and this is particularly the case with the tract bounded by the Kasai River on the south and the Silai River on the north. This latter tract is a low lying depression formed of the combined details of the Kasai and Silai rivers and intersected by numerous Khals. The river beds

have been raised by the constant deposit of silt above the level of the surrounding country; the latter has to be protected from inundation by a complicated system of embankments. Many of these unfortunately obstruct the natural drainage of the country with the result that the soil being deprived of its increment of deposit is permanently depressed, while the waterways have become choked with silt and the land below them is waterlogged.

**2.5 River System:** The river system of Paschim Medinipur district consists of the Rupnarayan, the Kansai and the Subarnarekha which enters this district from Jhargram and passes into the Balasore district, where it falls into the Bay of Bengal. The principal tributary of the Rupnarayan is the Silai or Silabati. This river enters this district from the Bankura district on the north, and follows a tortuous course. It runs fast in an easterly direction through the north of the Medinipur (Sadar) Sub-division, and then turns to the south east and south through the Ghatal Sub-division. Near Narajole it takes a sharp turn to the north, and eventually it falls into the Rupnarayan at Bhandar, 4 miles below Ghatal. The Silai is navigable throughout the year for a short distance in its lower reaches, which are within tidal influence. It is fed by two small streams from Bankura district on the north, the Purandar and Gopa, and by the Chandur and Kubai from this district which rise in the north-west of the district and flows east till it empties itself into the Silai near Narajole.

The Kasai enters the district in the north-west from Jhargram. It flows an exceedingly tortuous course, running first south-west and then eastwards, passed the town of Medinipur, which is situated on its north bank. Below Medinipur the channel contracts rapidly, till at Kapas-tikri, 13 miles lower down, it bifurcates, one small branch going north and eventually into the Rupnarayan, while the main channel runs south-east. The Subarnarekha is the only other river of Paschim Midnapore requiring notice. It enters the district on the north-west from Jhargram district and pass through the south-west of Kharagpur sub-division. To the South of Dantan it enters Balasore district and finally falls into the Bay of Bengal. The Subarnarekha has a rapid stream with a sandy bed, and its banks are generally high and well defined. In seasons of high flood the river overflows its left bank about 4 miles above the point where it leaves Paschim Medinipur district to enter Balasore district.

### 3. Past disaster Scenario in the district

#### 3.1 Past disasters in the district and loss thereof

1. “A Severe Cyclonic Storm BULBUL” hit an extensive area of this district in November; 2019. Heavy rainfall also affected some areas of this District especially in Kharagpur and Medinipur Sadar Sub-Division.
2. “A Cyclonic Storm FANI” hit an extensive area of this district in May, 2019. Heavy rainfall also affected some areas of this District especially in Kharagpur, Medinipur Sadar and Ghatal Sub-Division.
3. “AILA” also hit an extensive area of this district in May; 2009. Heavy rainfall added with release of water from the dams during 1<sup>st</sup> quarter of September, 2009 affected some areas of this district especially in Ghatal Sub-Division.
4. In the year 2007 severe flood occurred in four successive rounds causing large scale devastating damage of dwelling houses, standing crops and public properties. The death toll was 97. Army and Air Force authority had to be deployed for rescue and relief of the marooned people.
5. The District had to face severe flood in the year 2005 in which more than 5 lakh people were affected.
6. The district had to face a severe drought in 2002 and it affected major blocks of the district.
7. The district had to face a flood in 1999. Total 56131 numbers of houses were damaged and 45 lakhs (approx.) population was affected.
8. The district had to face a drought in 1998 where crop damage had been more than fifty percent.
9. A severe cyclone with a tornado-like effect hit 3 blocks of this district on 24.03.1998 at around 2.00 to 3.00 P.M. The number of people affected by that tornado was around 26400. The number of affected mouzas was 18 with the total area affected being 3854 hectares.
10. A devastating flood occurred in September 1978 September. A huge number of persons and cattle died. A large number of persons had to stay in the flood shelter; many of them had to take shelter in big trees. Government NGO's and many philanthropic organizations rushed and rescued the unfortunate flood victims.

#### 3.2 Drought & Cyclone Susceptibility:

The experiences of drought and flood are common in the district. The flood prone area is about 142647 ha. (Ghatal & part of Kharagpur sub-divisions). A major part of this district is also prone to drought. Ghatal and the Southern parts of Kharagpur sub-divisions are affected by water logging during the rainy season. As a result, there is frequent loss of crop. Sabang, Pingla, Dantan-I and Narayangarh block in Kharagpur sub-division often suffer from such losses. Drought affects the population here frequently and causes damage to the limited agriculture in the area, affecting food security of the people living here. Though the district does not have a coastline, it is affected frequently by the cyclones during the months of October and November and untimely rains during April and May.

### 4. Precipitation & temperature:

Normal rainfall in the district is around 1400 – 1500 mm. However, for the last few years, it has been highly erratic in nature.

Average temperature of the district varies widely across seasons, varying between maximum of 40.3 degree Celsius and minimum 10.3 degree Celsius in 2014. The climate is characterized by hot summer, cold winter, abundant rainfall and humidity. Rainfall fluctuates widely over years and concentrates over a few months of a year under monsoon.

Temperature (Degree Celsius)		Rainfall Normal (m.m.)	Rainfall Actual (m.m.)	Rainfall Actual (m.m.)	Rainfall Actual (m.m.)	Rainfall Actual (m.m.)
Maxi-mum	Mini-mum		2016	2017	2018	2019
40.3	10.3	1537	1371.5	1544.8	1321.6	1639.6

**Table-1: Geographical Location and Climate of Paschim Medinipur District**

**4.1 Natural Resources:** Paschim Medinipur is rich in a variety of environmental resources like land, forest and human resources. As per Census of India, total geographical area of Paschim Medinipur district in 2011 (6330.36 sq. km.). Total forest area of the district was 171.93 thousand hector.

Similarly, percentage shares of the district to all West Bengal area under orchard, permanent pasture and grazing land, barren and unculturable waste, culturable waste, fallow land other than current fallow were above its percentage share to its geographical area.

## **4.2 Land Use Pattern, Cropping Intensity and Irrigation**

- Distribution of geographical area of the district and land use pattern across shows that Salboni block has the largest geographical area and the smallest block being Mohanpur.
- Narayangarh block records the largest net cropped area, the smallest being again Mohanpur.
- Area under pasture and orchard is largest in Salboni, the smallest being observed again in Mohanpur.
- It is revealed that Pingla block recorded in 2005-06 the highest cropping intensity (199 per cent) followed by Daspur-I, Sabang and Garbeta-I registering the lowest.

The Kangsabati Dam located on the Kumari and Kangsabati River at Mukutmonipur in Bankura District is the main irrigation scheme which provides water in agrarian fields for both Kharif and Rabi crops.

Ground water supports by dint of deep tubewells and shallow tubewells serve as supplementary irrigation.

## **4.3 Rain Recording Station:-**

i) Total Number of Rain recording stations in Paschim Medinipur District.

- a) Midnapore SCRS [ at Abash, Midnapore] Ph No.-03222-275680
- b) Pingla SARF [ on Mundamari-Moyna Road, near Mundamari] Ph No.03222-217812
- c) Khirpai SARF [ on Khirpai-Arambagh Road, near Khirpai]  
Ph No: 03225-249732 [of the Asstt. Director of Agril (Sabong Block)]
- d) Sabong BSF [ near Barjiban on Temathani-Sabong Road]  
Ph No.03222-249732 [of the Asstt. Director of Agril (Sabong Block)]

Month	Av of 32 yr	Av of last 10 yr	2013	2014	2015	2016	2017	2018	2019	2020
Jan	13.9	15.2	0.0	0.0	15.3	22.7	0.2	0	0	34.1
Feb	27.1	20.3	9.8	48.0	8.7	78.6	0.0	0	88.0	5.6
Mar	33.6	29.4	3.3	16.7	25.4	44.3	49.1	0	40.0	
Apr	49.3	43.5	62.2	9.6	126.1	5.1	25.8	106.2	72.2	
May	133.1	116.2	184.2	150.0	77.3	97.5	106.2	105.1	122.5	
Jun	231.5	245.8	185.2	152.6	146.4	115.9	157.3	230.1	142.0	
Jul	321.9	333.8	383.3	203.9	585.4	303.9	477.4	244.8	209.2	
Aug	313.3	319.8	378.3	298.3	214.8	354.9	322.0	292.2	405.6	
Sep	240.0	264.5	319.1	192.1	209.1	206.6	180.8	231.1	352.4	
Oct	128.0	123.6	399.8	50.9	24.4	89.1	160.6	75.6	140.4	
Nov	22.4	8.3	0.0	0.0	0.0	12.9	48.4	15.9	53.3	
Dec	6.0	5.8	0.0	0.0	16.8	0.0	17.0	20.6	8.9	
Yearly Total	1520.1	1526.2	1920.2	1122.1	1449.7	1371.5	1544.8	1321.6	1639.6	39.7

**Table 2: Monthwise rainfall recorded in the District (in mm)**

Temperature (°C) recorded at different Stations of the District during 2014						
Station	SARF, Pingla		SARF, Khirpai		SCRS, Medinipur	
Month	Maxi	Mini	Maxi	Mini	Maxi	Mini
Jan	24.8	11.2	23.2	12.6	25.1	11.1
Feb	28.2	14.9	27.1	15.8	28.4	14.4
Mar	32.2	19.1	32.3	20.9	33.2	18.7
Apr	37.3	22.8	37.1	25.4	40.0	25.4
May	37.4	24.8	37.7	26.6	38.7	26.4
Jun		25.4	34.9	27.4	35.8	26.4
Jul		26.2	32.3	27.0	32.6	26.3
Aug		26.1	31.3	26.0	33.1	25.2
Sep		26.1	31.2	26.4	32.6	28.0
Oct		22.9	31.1	23.8	32.9	25.5
Nov		20.0	29.5	16.9	30.8	27.4
Dec	26.8		25.5	13.1	30.6	22.6

**Table 3: Month wise Highest and Lowest Temperature recorded in the District:-**

Sl. No	Name of the Sub-division	Agricultural Land (ha)			Grazing land	Forest Land (ha)	Others	Total area
		High	Medium	Low				
1.	Midnapur	36430	62615	20498	7681	50150	67124	244498
2.	Kharagpur	47961	129393	39872	4383	9006	51611	282226
4.	Ghatal	15016	28097	31087	2404	1050	18743	96397
<b>Total</b>		<b>171182</b>	<b>286956</b>	<b>115437</b>	<b>20171</b>	<b>133485</b>	<b>202367</b>	<b>929598</b>

**Table 4: Geographical Area (in Hect.)**

## 5. Hazard profile of the district

A Hazard, Risk and Vulnerability Assessment (HRVA) examine the **hazards** that may impact a community and the risk that each hazard event poses to the community as a whole and to vulnerable elements of the community. The objective of the Hazard, Vulnerability and Risk Analysis is to:

1. Investigate prominent natural and human caused events.
2. Identity any threat that may require timely response to protect lives, property and reduce economic loss.
3. Identity vulnerable groups who need more concern during any calamity.

### 5.1 IDENTIFICATION OF CYCLONE PRONE AREAS OF THIS DISTRICT

Dantan-I & II, Mohanpur, Narayangarh, Sabong, Keshiary Blocks are the most vulnerable blocks which are prone to cyclonic storm. Other parts of this district may also be affected.

## 5.2 STATUS OF CYCLONE WARNING CENTRES IN PASCHIM MEDINIPUR.

There is no permanent cyclone warning dissemination centre at Paschim Medinipur. On receipt of any cyclone message from IMD or Disaster Management Department it is disseminated to the concerned SDOs and BDOs.

Usually, all SDOs / BDOs are instructed to arrange for transmission of Cyclone message if any, at respective areas through announcement as and when required / instructed. All other concerned departments are instructed to arrange for emergent relief accordingly.

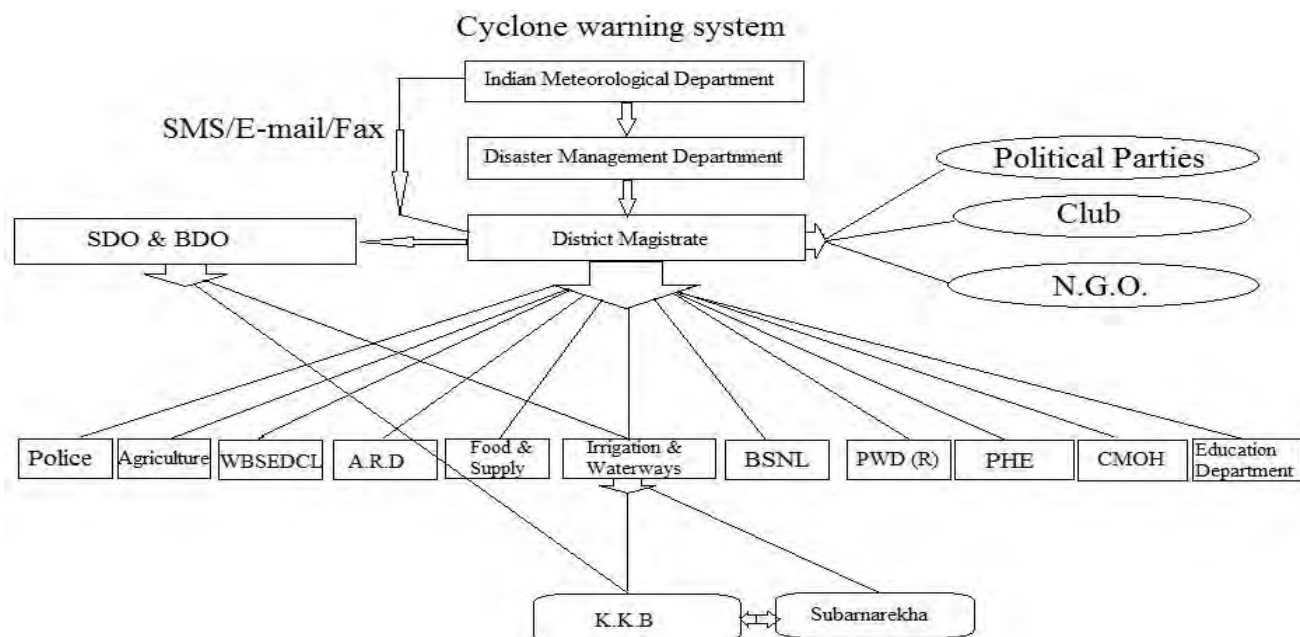
## 5.3 FOUR STAGE CYCLONE WARNING SYSTEM:

**Stage I:** With the formation of Depression over Bay of Bengal, the Chief Secretary, Govt. of West Bengal is informed by the Director General of Meteorology, IMD about its formation, location and potential danger.

**Stage II :** When the depression is likely to intensify into a cyclone storm or of higher intensity and likely to hit West Bengal coast within next 48 hours the numbered cyclone alert messages are issued at regular intervals and the message is passed to the Govt. of West Bengal over fax also to AIR/TV for repeated broadcast. All the concerned officials are advised to remain in touch with IMD for latest development. Fishermen warnings are also issued regularly.

**Stage III:** When the CS/SCS/VSCS/Super Cyclone is likely to hit West Bengal coast within 24 hours, numbered cyclone warning bulletins are issued six times a day to Govt. of West Bengal and also to AIR/TV for repeated broadcast.

**Stage IV:** After crossing the coast a de-warning message is issued.





## 5.4 RISK ANALYSIS

### ➤ Flood

The main reasons for flood in the district are as following-

1. A dam at the confluence of river Kangsabati and river Kumari at Ambikanagar in the district of Bankura was constructed for providing irrigation as well as insurance against drought and moderate floods in the area. Before construction of Dam, there was free flow through the river and the river was capable to carry adequate floodwater. After construction of Dam, water carrying capacity of the river has been reduced gradually due to siltation of the river bed and non-release of flushing dose from the dam time to time.
2. The down stream of the river gets silted up constantly due to tidal effect.
3. Besides, this lower part of the river has been jacketed by putting up and raising of ex-zamindary bundhs.
4. Due to the gentle longitudinal slope of the river bed it has lost drainage efficiency.
5. Construction of boro-bundhs across the river for Rabi and Boro irrigation are also causing siltation of the river-bed.
6. The major cause of flood in Kangsabati basin is not the local rainfall, but the spill way discharge of water from Kangsabati Dam. If the release of water from Kangsabati Dam can be regulated in a proper way, intensity of flood can be reduced.
7. Other rivers of the district such as Keleghai, Subarnarekha, Silabati, Rupnarayan are also causing floods due to the same reasons.

Year	Total rainfall
2016	1371.5 mm
2015	1449.7 mm
2014	1157.163 mm
2013	2331.26mm
2012	1113.3 mm.
2011	1717.9 mm.
2010	1001.1 mm.
2009	1270.1 mm.
2008	1780.44 mm.
2007	2106.0 mm.
2006	1298.8 mm.

**Table 5: Report on rain fall of the district**

1.	Ghatal	Operated by Irrigation & Water Ways Department
2.	Balichak	
3.	Lachmapur	
4.	Garhbeta	
5.	Sabong	
6.	Midnapore	Operated by Agriculture Department
7.	Pingla	
8.	Sabong	
9.	Khirpai	

**Table 6: Rainfall gauge station**

## 5.4. A Risk Assessment:

Risk Level	Extent of damage
<b>Damage risk level for earthquake</b>	
High Damage Risk (H)	Gaps in walls; parts of buildings may collapse; separate parts of the building lose their cohesion; and inner walls collapse
Moderate Damage Risk (M)	Large and deep cracks on walls fall of chimneys on roofs.
Low damage Risk (L)	Small Cracks in walls; fall of fairly large pieces of plaster, pantiles slip off; cracks in chimneys, part may fall down.
<b>Damage Risk levels for Wind Storms</b>	
Very High Damage Risk (VH)	Generally similar to: High Risk” but damage is expected to be more widespread as in the case of cyclonic storms.
High Damage Risk (H)	Boundary walls overturn, walls in house and industrial structures fail; roofing sheets, and tiles or whole roofs fly; large scale destruction of life-line structures such as lighting and telephone poles, a few transmission line towers / communication towers <i>may</i> suffer damage; and non engineered / semi constructions suffer heavy damage.
Moderate Damage Risk (M)	Loose tiles of clay fly, roofs sheets fixed to battens fly; moderate damage to telephone and lighting poles; moderate damage to non-engineered/semi-engineered buildings.
Very Low damage Risk (VL)	Loose metal or fibre cement sheets fly; a few lighting and telephone poles go out of alignment; sign boards hoardings partially damaged; well detailed non-engineered/semi-engineered buildings suffer very little damage.
<b>Damage Risk levels for Flood</b>	
Very High Damage Risk (VH)	Total collapse of buildings; roof and some walls collapse; floating away of sheets, thatch etc; erosion of foundation; severe damage to life line structures and systems.
High Damage Risk (H)	Gaps in wall; punching of holes through wall by flowing water; parts of buildings may collapse; light roofs float away; erosion of foundation, sinking or tilting; undercutting of floors, partial roof collapse.
Moderate Damage Risk (M)	Large and deep cracks in walls; loss of belongings; damage to electric fittings.
Low damage Risk (L)	Small cracks in walls; fall of fairly large pieces of plaster
Very Low damage Risk (VL)	Fine cracks in plaster; fall of small pieces of plaster.

**Table 7: Damage Risk Level for Earthquake, Wind Storms & Flood**

## **5.5 DROUGHT**

Drought has been described as a “creeping disaster” in the United Nations Publications. Thus emphasizing that a situation of drought develops gradually given sufficient warning of its coverage extents and intensity unlike a flood, cyclone or earthquake which offers little or no time and little opportunity for immediate planning and preparedness.

One of the essential preparatory measures is to keep a close watch on the behaviors of Monsoon and to initiate advance action to remove or minimize the unfavourable impact of weather conditions.

### **Action Plan for Drought:**

A large portion of Paschim Medinipur District is a drought-prone area. This is due to undulating topography, laterite and porous soil having a little water holding capacity. Almost the whole western side of the district faces drought every year. The district had to face a severe drought in 2002 and it affected 24 blocks. As a result, cultivation of Aman paddy hampered tremendously and cattle lives were also affected. People of those affected blocks suffered a lot due to prevailing drought situation.

### **Objectives:**

1. Focus on employment generation;
2. Speed up the pace of development creating employment and productive assets which would trigger the overall development;
3. Provide income generation activities to the affected population through SHGs for creating productive assets in affected areas e.g. water tanks, desilting of drainage canals, etc.

### **Suggestive areas of intervention:**

1. Excavation / re-excavation of ponds and tanks for harvesting rain water;
2. Construction of field channels of RLI / DTW,
3. Construction of water harvesting structures and cross-bundhs on the rivulets / perennial water sources for cultivation of Rabi crops;
4. Development of waste lands;
5. Intensification of development activities in afforestation;
6. Repair / reconstruction of village roads;
7. Special wage employment programme for women/SC/ST population;
8. Regular monitoring of foodgrains supplies – prioritization on availability of foodgrains for wage employment programmes;
9. Activating self-help groups for income generation.

### **Action points for the Block / Gram Panchayat:**

1. Changes in annual action plan already prepared under NREGS, if necessary, to combat the prevailing situation;
2. Fill up the ponds with water by connecting this with canals in advance;
3. Drove tailing of various schemes towards drought management in close coordination with all departments functioning at the district level;
4. Enhance the water harvesting structures;
5. Identify lands for eligible works;
6. Employment generation in suitable schemes in consultation with the Agriculture, I & W, Fishery, Forestry, Animal Resource and PW Deptts.
7. Activate SHGs for income generating activities;

8. Labour intensive works should be given top priority;
9. Awareness generation among the people for water harvesting and water recharging / preventing moisture evaporation.

## **6. SOME VALUABLE INFORMATION AND DISASTER SPECIFIC ACTION PLAN / STANDARD OPERATION PROCEDURE FOR PASCHIM MEDINIPUR DISTRICT ADMINISTRATION**

### **6.1 FLOOD PRONE AREAS**

The topography of the district is such that eastern part of the district is affected more than the western part of the district. The list of affected blocks and municipalities is as follows:

<b>Name of the Sub-Division</b>	<b>Vulnerable Blocks / Municipality</b>	<b>Partly affected Blocks / Municipality</b>	<b>Water logging Blocks / Municipality</b>
Ghatal	1. Ghatal	1. Chandrakona-I	1. Chandrakona-II
	2. Daspur-I	2. Kharar Municipality	2. Khirpai Municipality
	3. Daspur-II	3. Ramjibanpur Municipality	3. Chandrakona Municipality
	4. Chandrakona-I		4. Ghatal Municipality
	5. Chandrakona-II		
Kharagpur	6. Sabong	4. Dantan-I	5. Kharagpur-I
	7. Pingla	5. Dantan-II	6. Kharagpur-II
	8. Narayangarh	6. Debra	7. Keshiary
		7. Mohanpur	
Medinipur Sadar	9. Medinipur Sadar	8. Garhbeta-I	8. Midnapur Municipality
	10. Keshpur		
	11. Garhbeta-II		
	12. Garhbeta-III		

## 6.2 RESERVE STOCK OF RELIEF MATERIALS

The present stock position of Relief Material and foodgrains at the District Hqrs. is as follows:

Items	Available	Further Requirement
Polysheet	19,437 Pcs.	50,000 Pcs.
Saree	696 Pcs.	10,000 Pcs.
Dhuti	1028 Pcs.	10,000 Pcs.
Lungi	850 Pcs.	50,000 Pcs.
Children Garments (Boys)	2078 Pcs.	20,000 Pcs.
Children Garments (Girls)	1696 Pcs.	20,000 Pcs.
Kurti Leggings	1000 Pcs.	10,000 Pcs.
Blankets	200 Pcs.	10,000 Pcs.
Male Wrapper	635 Pcs.	10,000 Pcs.
Salwar Kamij	2361 Sets.	10,000 Sets.
Punjabi & Pajama	690 Sets	10,000 Sets.
Spl. GR (Rice)	77.3 MT	500 MT

**Availability of search and rescue equipments:**

### Portable Inflatable Emergency Lightning System

SDO, Ghatal	1
SDO, Kharagpur	2
District Headquarter	1

**PRESENT POSITION AND FURTHER REQUIREMENT OF RELIEF CONTINGENCY FUND, CASH G.R AND STARVATION GR FOR THE YEAR 2018-2019**

Name of item	Total amount received	Expenditure incurred / disbursement / sub-allotment made in this month	Balance in hand	Further requirement
Contingency fund U/H "2245"	Nil	Nil	Nil	Rs.50.00 Lakh
Cash G.R.	Nil	Nil	Nil	Rs.5.00 Lakh
Starvation GR	Nil	Nil	Nil	Rs.5.00 Lakh

## 7. Earthquake Prone Zone: West Bengal

Bureau of Indian Standards, based on the past seismic history, grouped the country into four seismic zones, viz. Zone-II, -III, -IV and -V. Of these, Zone V is the most seismically active region, while zone II is the least. The Modified Mercalli (MM) intensity, which measures the impact of the earthquakes on the surface of the earth, broadly associated with various zones, is as follows:

## 7.1 Seismic Zone Intensity on MM scale

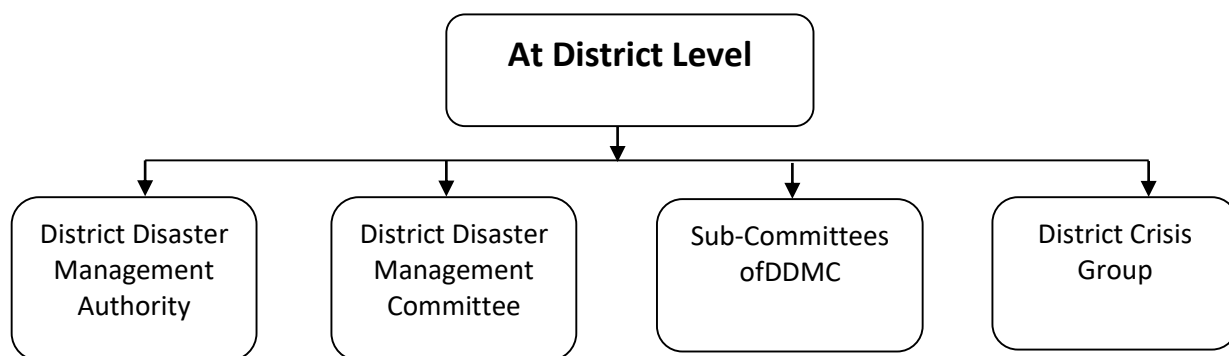
II (Low intensity zone)	VI (or less)
III (Moderate intensity zone)	VII
IV (Severe intensity zone)	VIII
V (Very severe intensity zone)	IX (and above)

Table 1 Earthquake Zonation of District of West Bengal

Sl. No.	District	Zone II	Zone III	Zone IV	Zone V
1	Alipurduar				
2	Jalpaiguri				
3	Darjeeling				
4	Kalimpong				
5	Coochbehar				
6	Uttar Dinajpur				
7	Dakshin Dinajpur				
8	Murshidabad				
9	Maldah				
10	Nadia				
11	Purba Burdwan				
12	Paschim Burdwan				
13	North 24 Parganas				
14	South 24 Parganas				
15	Purulia				
16	Birbhum				
17	Bankura				
18	Jhargram				
19	Purba Medinipur				
20	Paschim Medinipur		Zone III		
21	Kolkata				
22	Howrah				
23	Hoogly				

## 8. DISASTER MANAGEMENT: FUNCTIONAL STRUCTURE IN THE DISTRICT

The disaster management will be more effective and sustainable if it is institutionalized. For this purpose Government of India has already passed the Disaster Management Act, 2005 Act No.53 of 2005, on 23<sup>rd</sup> December, 2005, which has already been adopted by Government of West Bengal. The Government of West Bengal, in exercise of powers conferred by the Act, has established the West Bengal State Disaster Management Authority vide Notification No.1281-FR-1<sup>st</sup> August, 2007 and also established District Disaster Management Authority vide Notification No.1291-FR-1<sup>st</sup> August 2007. The District Magistrate is overall in charge for the entire disaster management activities in the District. As per Section 28 of the Disaster Management Act, 2005, the District Authority may constitute one or more Advisory Committee and District Disaster Management Committee for better implementation of disaster management activities in the district.



## 8.1 District Disaster Management Authority

As per Notification No.1291-FR-1<sup>st</sup> August, 2007 the District Disaster Management authority consisting Chairperson and six members having Head Quarter at District level has been established. It acts as the district planning; coordinating and implementing body for disaster management and takes all measures for the purpose of Disaster Management in accordance with the guidelines laid down by the National and the state Authority

### District Disaster Management Authority (D.D.M.A.) (GO No.1308-FR dated 01.08.2007)

1. Collector of the District: **CHAIRPERSON**
2. Sabhadhipati of Zillah Parishad: **CO-CHAIRPERSON**
3. Addl. District Magistrate (Disaster Management) : **CEO, Ex-officio Member**
4. Superintendent of Police: Ex-officio Member
5. Chief Medical Officer of Health: Ex-officio Member
6. Executive Engineer, Irrigation : Ex-officio Member
7. All Sub-Divisional Officers : Ex-officio Member

At the District Level, there should be a District Disaster Management committee, at Block Level, there should be a Block Disaster Management Committee and at village level there should be village level there should be village Disaster Management Committee.

Apart from these disaster management committees, at each level there should be a disaster management plan as per vulnerability to disaster of that particular area along with the various task forces like search and rescue, first aid, early warning system, food management, shelter management, dead body disposal force etc.

**At the Village (Gram Panchayat) Level:** Panchayat are the decision making bodies of all development activities in the villages. Therefore, every Panchayat should have a Village level Disaster Management Committee (VDMC) headed by the Pradhan which is responsible for carrying out activities from Planning to Execution in Disaster Management. There should be a separate village disaster management plan for every village as per vulnerability to disaster of the particular village. The plan encompasses prevention, mitigation and preparedness measures. The VDMC chaired by Pradhan includes, ward members, gramsevak, local Government functionaries including doctors/paramedics of primary health centers located in the village, primary school teachers etc. also a search and rescue team as well as first aid team have to be set up and trained at every village. The Disaster Management Teams at the village level will consist of members of youth organizations like Nehru Yuva Kendra and other non-governmental organizations as well as able bodied volunteers from the village. The teams are to be provided basic training in evacuation, search and rescue, first aid trauma counseling etc.

**At Sansad Level:**the village where Sansad members are members of VDMC they should get involved in taking all sort of major decisions related to Disaster Management, whether it is the Disaster Management Preparedness Plan or preparation to respond during the disaster. They are important identities in the village representing the community. **The Disaster Management Committee will review the disaster management plan at least once in a year.** It would also generated awareness among the people in the village about do's and do not do's for specific hazards depending on the vulnerability of the village.

**At Block Level:** every Block in the district should have a Block Disaster Management Committee headed by Chairperson Panchayat Samiti and all line departments at block level are its members.

**At District Level:** the District Disaster Management Authority and district disaster management committee should be constituted under the chairmanship of District Magistrate and Sabhadhipati respectively.

The District Disaster Management Authority shall act as the District Planning; coordinating and implementing body for disaster management and take all measures for the purpose of disaster management in the district in accordance with the guidelines laid down by the National Authority and the State Authority.

## **8.2 The role of District Disaster Management Authority**

- I. Prepare a disaster management plan including district response plan for the district;
- II. Coordinate and monitor the implementation of the National Policy, West Bengal State Disaster Management Policy, national Disaster Management plan, West Bengal Disaster Management Plan and District Disaster Management Plan;
- III. Ensure that the areas in the district vulnerable to disasters are identified and measures for the prevention of 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.
- IV. Ensure that the guidelines for prevention of disasters, mitigation of its effects, preparedness and response measures as laid down by the National Authority and the West Bengal State Authority are followed by all departments of the Government at the district level and the local authorities in the district;
- V. Give directions to different authorities at the district level and local authorities to take such other measures for the prevention or mitigation of disasters as may be necessary.
- VI. Lay down guidelines for prevention of disaster management plans by the departments of the Government at the districts level and local authorities in the district;
- VII. Monitor the implementation of disaster management plans prepared by the departments of the Government at the district level.
- VIII. Lay down guidelines to be followed by the Departments of the West Bengal Government at the district level for purpose of integration of measures for prevention of disasters and mitigation in their developmental plans and projects and provide necessary technical assistance therefore;
- IX. Monitor the implementation of measures referred to in Item N.
- X. Review the state capabilities for responding to any disaster or threatening disaster situation in the district and give directions to the relevant departments or authorities at the district level for their up-gradation as may be necessary.
- XI. Review the preparation measures and 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;
- XII. Organize and coordinate specialized training programmes for different levels of officers, employees and voluntary rescue workers in the district;
- XIII. Facilitate community training and awareness programmes for prevention of disaster or mitigation with the support local authorities, government and non-governmental organisations;



- XIV. Set up, maintain, review and upgrade the mechanism for early warnings and dissemination of proper information to public;
- XV. Prepare, review and update district level response plan and guidelines;
- XVI. Coordinate response to any threatening disaster situation or disaster;
- XVII. Ensure that the departments of the Government at the district level and the local authorities prepare their response plans in accordance with the district response plan;
- XVIII. Lay down guidelines for, or give direction to, the concerned department of the Government at the district level or any other authorities within the local limits of the district to take measures to respond effectively to any threatening disaster situation or disaster;
- XIX. Advise, assist and coordinate the activities of the Departments of the Government at the district level, statutory bodies and other governmental and nongovernmental organisations in the district engaged in the disaster management;
- XX. Coordinate with, and give guidelines to, local authorities in the district to ensure that measures for the prevention or mitigation of threatening disaster situation or disaster in the district are carried out promptly and effectively;
- XXI. Provide necessary technical assistance or give advice to the local authorities in the district for carrying out their functions;
- XXII. Review development plans prepared by the Departments of the Government at the district level, statutory authorities or local authorities with a view to make necessary provisions therein for prevention of disaster or mitigation.
- XXIII. Examine the construction in any area in the district and, if it is of the opinion that the standards for the prevention of disaster or mitigation laid down for such construction is not being or has not been followed, may direct the concerned authority to take such action as may be necessary to secure compliance of such standards;
- XXIV. Identify buildings and places which could, in the event of any threatening disaster situation or disaster, be used as relief centres or camps and make arrangements for water supply and sanitation in such buildings or places;
- XXV. Establish stockpiles of relief and rescue materials or ensure preparedness to make such materials available at a short notice;
- XXVI. Provide information to the State Authority relative to different aspects of disaster management;
- XXVII. Encourage the involvement of non-governmental organisations and voluntary social-welfare institutions working at the grassroots level in the district for disaster management;
- XXVIII. Ensure communication systems are in order, and disaster management drills are carried out periodically;
- XXIX. Perform such other functions as the West Bengal Government or the West Bengal Disaster Management authority may assign to it or it deems necessary for disaster management in the district.

### 8.3 Authority for DDMP

#### **DISTRICT DISASTER MANAGEMENT COMMITTEE, PASCHIM MEDINIPUR**

1. The Sabhadhipati, Zilla Parishad, Paschim Medinipur	Chairman
2. The District Magistrate, Paschim Medinipur	Vice-chairman
3. The Additional District Magistrate (Gen), Paschim Medinipur	Member Secretary
4. The Superintendent of Police, Paschim Medinipur	Member
5. The Karmadhakshya, Tran Sthayee Samity, Zilla Parishad, Paschim Medinipur.	Member
6. The Chief Medical Officer of Health., Paschim Medinipur	Member
7. The Executive Engineer, P.W.D., Paschim Medinipur	Member
8. The Executive Engineer, P.H.E., Paschim Medinipur	Member
9. The Executive Engineer, I.&W.Deptt., Paschim Medinipur	Member
10. The Principal Agriculture Officer, Paschim Medinipur	Member
11. The District Animal Resources Dev. Officer, Paschim Medinipur	Member
12. The District Disaster Management Officer, Paschim Medinipur	Member
13. The District Inspector of Schools (Primary), Paschim Medinipur	Member
14. The District Inspector of Schools (Secondary), Paschim Medinipur	Member
15. Hon'ble Members of Legislative Assembly (All MLAs of Paschim Medinipur District)	Member

### 8.4 Evolution of DDMP

The Disaster Management Act, 2005, (23 December 2005) No. 53 of 2005, was passed by the Rajya Sabha, the upper house of the Parliament of India on 28 November, and by the Lok Sabha, the lower house of the Parliament, on 12 December 2005. It received the assent of The President of India on 9 January 2006. The Disaster Management Act, 2005 has 11 chapters and 79 sections.

It clearly indicates all states and all District of India has to create a Disaster Management Plan.

### 8.5 Nodal ministries related to various disasters

- Earthquakes and Tsunami- MHA/Ministry of Earth Sciences/IMD
- Floods- MHA/Ministry of Water Resources/CWC
- Cyclones- MHA/Ministry of Earth Sciences/IMD
- Drought- Ministry of Agriculture
- Biological Disasters- Ministry of Health and Family Welfare
- Chemical Disasters- Ministry of Environment & Forests
- Nuclear Disasters- Department of Atomic Energy
- Air Accidents- Ministry of Civil Aviation
- Railway Accidents- Ministry of Railways
- Terrorism, bombblast, Riots- Ministry of Home Affairs

## **8.6 District Crisis Management Group (GO No.401 (35)-RL/O/I/7M-37/08 dated 03.03.2016)**

- 1) The District Magistrate will head the District Crisis Management Group. It will have the following members:
  - a) Commissioner of Police / Superintendent of Police
  - b) A representative of IB
  - c) Dy. Development Commissioner / Additional District Magistrate

Any other district officer, as appropriate may be co-opted as a member, senior most officer of the Armed Forces and CAPFs posted in the district be also included in the Group. Where the NSG have been requisitioned for assistance, the NSG Task Force Commander may be co-opted as a member. Where NDRF is deployed or stationed, their representative may be co-opted as a member.

- 2) This Group will be responsible for on-scene management of the incident / emergency in the district level. All agencies will provide resources to this Group as required. Where a specialist Response team is deputed by the State / Central Group, this Group will normally abide by the advice of the said specialist Response team; but the ultimate decision will be that of the District / State Crisis Management Group.
- 3) There is a Control Room at the State level and there will be at district level during the monsoon season. The Control Room will be linked to the Control of the Ministry of Home Affairs by telephones, fax, internet and satellite phones.
- 4) Regular communication exercise shall be conducted with all stakeholders.
- 5) District Crisis Management Group will also meet periodically at least once in three months and as and when a crisis is at hand.
- 6) The District Magistrate will brief the media suitably from time to time regarding the progress in handling the contingency / emergency.

## **9. Departmental Action Plan**

### **9.1 Action Plan for IRRIGATION & WATERWAYS DIRECTORATE WEST MIDNAPORE DIVISION**

#### **A) The following River Gauge & Rain Gauge Station has been maintained by this Division**

Sl. No.	Stations	River	P.D.L.(M) M.G.T.S.	D.L.(M) M.G.T.S.	E.D.L.(M) M.G.T.S.	HFL (M)	Remarks
1	Midnapore						Rain Gauge
2	Mohanpur	Kangsaboti/ Cossye	25.45	25.75	26.36		River Gauge
3	Saldahari	Old Cossye	15.39	16	16.61		Do
4	Gadhhat	Silabati	8.38	8.99	9.60	11.12	Rain Gauge & River Gauge
5	Banka	Silabati	14.47	15.08	15.69	16.34	River Gauge
6	Bandar	Rupnarayan	6.24	6.85	7.46	9.47	Do
7	Ranichak	Rupnarayan	4.72	5.33	5.94	9.14	Do
8	Gopigang	Rupnarayan	4.42	5.03	5.65	8.41	Do
9	Old Cossye	Kalmijole	8.68	9.29	9.90	11.12	Do

## B. Reporting of River Gauges & Rain Gauges at different Authorities.

Rain gauge stations are maintaining under this Division at i) Midnapore. (ii) Gopiballavpur, (iii) Gadghat. Daily river gauge reports are to be collected from C.W.C. in connection with Kangsaboti Project. River & Rain gauge data will be prepared as per approved format and weekly format as per G.F.C.C. Proforma and sent to the following authorities :-

- i) District Magistrate, Paschim Medinipur.
- ii) Chief Engineer's flood cell

## C) Weekly flood inspection report:

Weekly flood report is to be submitted by the concerned Sub-Divisional Officer as usual following last year's procedure.

## D) As reported by the Sub- Divisional Officers & Sub Assistant Engineers (regarding stock):-

1) The stock position of empty cement poly bags at different stations are as follows:-

Sl.No	Name of Sub-Division	Name of Section	No. of empty poly bag	No. of nylon crates
1	<b>a) Lacchmapore Irrigation Subdivision:-</b>			
	i) Lacchmapore Section		2000	Nil
	ii) Khanamohan Section		49000	1000
	iii) Anicut (Hd. Qtr.) Section		16400	1848
	iv) Balichak Section		5000	Nil
	v) Anicut Section		0	Nil
	vi) Simlageria Section		240	Nil
	<b>Total</b>		76640	2848
2	<b>B) Ghatal (I) Sub-Division</b>			

## E) Hiring of boats & operating, regulating gates and fall boards

- i. Quotation for hiring of boat will be invited and sent to the Division Office within 1<sup>st</sup> June-2020. Work order may be issued as and when situation arises (1 No. boat will be hired at Khanamohan).

## F) Sealing of sluices, unauthorised pipes

Work order for sealing of sluices and unauthorised pipes will be given by the concerned authority within 15.06.2020, (6 Nos. of sluices required to be sealed in TE2H2 embankment).

## G) Flood fighting works

Flood fighting works will be undertaken as and when necessary under prior intimation to The District Magistrate and obtaining permission from higher official of I&W Dte.

In the event of any breach, report will be at once transmitted to Sabhadhipati & Karmadakshya, Paschim Medinipur Zilla Parishad, Block Development Officer of concerned Block & Sub Divisional Officer of concerned Sub Division & Higher officer of I&W Dte. Repair of breach can only be taken with prior permission of Government with written requisition from The District Magistrate and Sabhadhipati to take up such work. UC in connection with issued poly bags to GPs in required from concerned BDOs.

#### **H) Flood embankments:-**

1. Under Lachmapur sub-division:
  - a. TE1H1- 14.50km
  - b. TE2H2- 14km
  - c. TE3H2- 15km
  - d. Kalichandi- 37.52km

#### **LATEST POSITION OF EMBANKMENTS**

At Ghatal (I) Sub-Division breached portion of MC & DC embankment has been repaired. Further FPM work will be taken up soon.

I) Name of Embankments under West Midnapore Division:-

#### **a) Lachmapore Irrigation Sub-Division:-**

Sl.No.	Name of River	Name of Embankment	Chain age From .... To	Length
1	Cossye	Phase-I Cossye Left	0.00 Km. to 7.10Km.	7.10Km.
2	Cossye	Phase-II Cossye Left	0.00m. To 17.00km.	17.00km.
3	Cossey	Schedule "D" Cossey Left	0.00m to 1.22 km	1.22 km.
4	Kalaichandi Khal	Kalaichandi Marginal	0.00Km. to 6.10 Km.	12.20Km.
5	New/Old Cossye & New Cossye	TE1H1	0.00Km. to 41.50Km.	41.50Km.
6	Old Cossye	TE2H2	0.00Km. to 14.00Km.	14.00Km.
7	New Cossye	TE3H2	14.00Km. to 29.00Km.	15.00Km.

**Un-Protected Char land adjoining bank of rivers likely to be inundated during ensuing flood season of 2020 (which are not protected by embankments)**

Major Rivers/Channels		Name of G.P. likely to be inundated	Name of Blocks	Approx. Quantum of Vulnerable area (in )Hectare	Remarks if any
Sl no	1	2	3	4	5
1	Kaliaghai	Khursi (270 Ha), Kushbasab (410 Ha), Bakhrabad (80 Ha), Narayangarh (30 Ha)	Narayangarh	790.00	No right embkt between Rajpur to Bakhrabad and above. NO left embkt between Duria to paharpur and beyond Gobindopur
2	Deuli-Kaliaghai	Dashagram (40 Ha), Sarta (80Ha)	Sabang	120.00	No left embkt of Deuli beyond 1.0km and no right embkt beyond 5.0km
3	Kapaleswari – Kaliaghai	Bishnupur	Sabang	575.00	In between Kapaleswari & Kaliaghai No right embkt of Kapaleswari and No left Embkt of Kaliaghai. Popularly known as Salmarar jala

**b) Ghatal Irrigation Subdivision:-**

1	Old Cossye / Kanki / Silabati / Rupnarayan / Palashpai Khal	Chetua Circuit	0.00 Km. to 72.00 Km.	72.00Km.
2	Durbachati (L/S)/Rupnarayan (R/S)/Palashpai Khal(R/S)	Mohankhali Circuit	0.00 Km. to 51.00 Km.	51.00Km.
3	Old Cossye/Durbachati/Bhasra Khal	Dushapur Circuit	0.00 Km. to 30.00 Km.	30.00Km.

**c) Asui- Dharampur(R/B of river Subarnarekha) - 2.70 km.**

Sizua. Gopiballavpur - 2.70 km.

Kapasias - Mohanala - 0.90 km.

**d) Name of the Sluices:-**

**Under Khanamohan Section:-**

- i) Talbandi Sluice, Ch12.00Km. Of TE2H2, L/B of Cossye.
- ii) Mokarimpur Sluice Ch. 16.00Km of TE3H2.
- iii) Gopalpur Sluice Ch 21.60Km of TE3H2
- iv) Guapat Sluice Ch.23.00 kM. of TE3H2
- iv) Baikunthapur Sluice Ch.2.00 kM of TE2H2 L/B of old Cossye.

**e) Under Anicut Section:-**

- i) Bisripat Sluice.
- ii) Kulda Sluice. (up & down)
- iii) Cherua Sluice (up).
- iv) Cherua Sluice (down) 2 vent.
- v) Birsingpur Sluice.
- vi) Jamkunda Sluice.
- vii) Pathra Sluice.
- viii) Hanshpur Sluice.
- ix) Paikarapur Sluice.

**f) Ghatal Irrigation Sub-Division:-**

- i) One No. Sluice at Goura.
- ii) Total 52 Nos. Sluice at Ghatal Sub-Division.

**g) Borrow Bundh:**

**Ghatal Irrigation Sub-Division:**

There are three nos borrow bundh Kalmijole borrow bundh & Temohani borrow bundh should be removed before onset of monsoon is extremely urgent.

**L) Drainage Channel:-**

**a) Lachmapore Irrigation Sub-Division:-**

**Under Khanamohan Section:-**

- a) Rambhadrapur Ch. 12.90 of TE1H1.
- b) Tabageria ch.28.90 of TE1H1
- c) Bhudhas Ch.30.00 of TE1H1
- d) Ghunghuni Ch.30.00 of TE1H1

## **9.2 Action Plan for KALIAGHAI-KAPALESWARI-BAGHAI Project Division under Western Circle -II, I&W DTE. Temathani, Sabong, paschim Medinipur**

The following arrangements have been programmed as **Disaster Management Plan 2020** under Kaliaghai-Kapaleswari-Baghai Project Division, I & W Dte., Midanapore, Paschim Medinipur. :-

### **1. PREVENTION:**

#### **a) PRE FLOOD INSPECTION REPORT:-**

Pre-Flood Inspection Report prepared by the concerned Sub Divisional Officers under this Division prior to pre-monsoon rainfall and according to that report Pre-Monsoon Works will be taken up and monitored so as to reduce vulnerability first and complete the works in time. Based on this report as well as previous year's experience, vulnerability mapping has been done as follows:-



Name of Embankment	Total Embkt Length (Km)	Weak / Vulnerable Zones (Length/Ch)	Location (Mouza /Block)	Reason of its vulnerability (Slip/Ghoge/ Depression etc.)	Area/population likely to be affected (GP/Block)	Remarks
Kaliaghai Left	33.50	Nil	-	-	-	strengthening & widening has been done from Chaulkuri to Gobindapur
Kaleswari Left	20.00	Nil	-	-	-	
Kapaleswari Right	14.00	Nil	-	-	-	
Ex-Jamindari Embankments						
Deuli Right	5.00	0.10 Km	Chak Safi, Ramchak	Minor Slip, Narrow & week embkt	Dashagram GP/ Sabang	22° 6'15.66"N, 87°32'19.43"E to 22° 6'17.79"N, 87°32'5.60"E work at 2 spot taken up
Deuli Left	1.00	Nil	-	-	-	
Choulkuri Circuit	6.50	1.00Km	Chaulkuri, Eral	Narrow & week embkt	Chaulkuri GP/ Sabang	22° 6'34.29"N, 87°35'34.09"E to 22° 8'8.98"N, 87°34'31.84"E
Kharika Circuit	9.00	0.75 Km	-	Narrow & week embkt	Chaulkuri GP/ Sabang	22° 7'47.26"N, 87°34'35.30"E to 22° 6'24.21"N, 87°35'33.62"E
Kharika Right	2.50	0.25Km	-	Narrow & week embkt	Chaulkuri GP/ Sabang	22° 6'19.42"N, 87°35'18.06"E to 22° 6'55.39"N, 87°34'46.06"E
Amrakhali Right	12.00	Nil	-	-	-	
Amrakhali Left	7.50	Nil	-	-	-	
Kalchiti Right	3.00	2.50Km	-	Minor Slip, Narrow & week embkt	Narayanbar GP/ Sabang	22°10'6.86"N, 87°38'14.38"E to 22° 8'36.18"N, 87°38'23.41"E, work at 4 spot taken up
Kalchiti Left	3.00	3.00Km	Bural	Minor Slip, Narrow & week embkt	Bural GP/ Sabang	
Mirjapur Khal Right	2.50	Nil	-	-	-	
Mirjapur Khal Left	2.50	Nil	-	-	-	
Kalimondap Right	6.70	Nil	-	-	-	
Kalimondap Left	7.00	Nil	-	-	-	
Ganapath Right	8.00	Nil	-	-	-	
Ganapath Left	8.00	Nil	-	-	-	
Banskona Right	5.50	Nil	-	-	-	
Banskona Left	5.50	Nil	-	-	-	
	166.70					

Besides above embankments, two sluice Gates at kamarpota (Bishnupur/Sabang – work cant be done previously due to technically unfeasible demand of local people), Rajpur (Rajpur/Narayangarh – Tender not matured two times) are primarily considered as vulnerable and are to be sealed during high flood.

Apart from the above **Un-protected ‘Char’ land adjoining bank of rivers likely to be inundated during ongoing flood season of 2018 (which are not protected by embankments)** are identified as follows

Major Rivers / Channels		Name of Gram Panchayets likely to be inundated	Name of Blocks	Approximate quantum of vulnerable area (in hectare)	Remarks (if any)
1		2	3	4	5
1	Kapaleswari-Kaliaghai	Bishnupur	Sabang of Paschim Medinipur	575.00	In between Kapaleswari & Kaliaghai. No right embankment of Kapaleswari and no left embankment of Kaliaghai. Popularly known as Salmarar Jala
2	Deuli-Kaliaghai	Dashagram (40 Ha), Sarta (80 Ha)	Sabang of Paschim Medinipur	120.00	No Left Embkt of Deuli beyond 1.0Km and No right embankment beyond 5.0Km
3	Kaliaghai	Khursi (270 Ha) , Kushbasan (410 Ha), Bakhrabad (80 Ha), Narayangarh (30 Ha)	Narayangarh of Paschim Medinipur	790.00	No Right Embkt between Rajpur to Bakhrabad and above, No Left Embkt between Duria to Paharpur and beyond Gobindapur

There is no case of *habitation on ‘Char’ land protected by embankments and likely to be inundated during high discharge through rivers* under the jurisdiction of this Division.

#### **b) REMOVAL OF CROSS BUNDHS & FISHING PATTAS:-**

Cross Bundhs & Fishing Pattas on river bed are a vital part to create obstruction on drainage congestion of the rivers and channels mainly over river Kapaleswari & Kaliaghai at Sabang, Narayanbarh, Dasagram & Gokulpur areas which should be removed within 15<sup>th</sup> June -2019 with the help of Administration and the Department by a joint programme by canvassing the local people and removing those obstruction. Kind Co-operations will be solicited from the local public representatives, B.D.O. of concerned block and administration to overcome the obstruction for the public interest and to avoid the flood situation on flood prone areas.

#### **c) WORKS ON VULNERABLE ZONES:-**

Since 2011 i.e. inception of this Division, repair to damages of Ex-Zamindary embankments are not undertaken by the concerned Panchayet authorities. Works of some portions were taken up by the Department in the previous years as per availability of fund considering its vulnerability in Kalchiti, Jarua, Kharika, Chaulkuri Circuit & Deuli Embankments.

Most of the Sluice gates, about 85 Nos sluices out of total 103, have already been repaired during last 3 years. Couple of sluice gates is yet to be repaired and oiling-greasing of all sluices will be done before monsoon.

15 Nos wooden bridge are to be repaired/reconstructed out of total 55. Other wooden bridges are either reconstructed or repaired within last 2-3 years and in workable condition. To reduce the frequency of repair of wooden bridge, composite bridge technology (i.e. wooden Pile & decking with steel beams) has been introduced.

## 2. Preparedness:

### a) RIVER GAUGE & RAIN GAUGH STATIONS:-

Salient data of River Gauges/Rain Gauge maintained under this Division is as follows

Sl No.	Stations	River	P.D.L.(M) G.T.S	D.L.(M) G.T.S	E.D.L.(M) G.T.S
1	Bhakrabad (on Belda Road : 22.129039°N, 87.378866°E)	Kaliaghai	7.95	8.40	8.85
2	Dehati (on Patashpur Road : 22.090389°N, 87.494952°E)	Kaliaghai	5.95	6.55	7.00
3	Narayanbarh (Near Mohinibazar Bridge : 22.131670°N, 87.601270°E)	Kapaleswari	4.72	5.33	5.94
4	Kalimondop (22.160883°N, 87.703484°E)	Kaliaghai	4.40	5.00	5.33

River Gauge Stations are to be maintained by the K.K.B.Project Sub-Division No.- I (Bhakrabad & Dehati ) and K.K.B.Project Sub-Division No.III (Kalimondop & Narayanbarh). Rain Gauge Stations is to be maintained by the K.K.B.Project Sub-Division No. - III under this Division at Sabang.

River & rain Gauge Data will be prepared as per approved format of G.F.C.C. proforma and sent to the Higher Authority daily/weekly.

Weekly flood report is to be submitted by the concerned Sub Divisional Officer (K.K.B.Project Sub-Division No.III) as usual following last year's procedure.

### b) CONTROL ROOM:-

Control Room will be opened on & from 15.06.2020 like every year in the following offices as usual

- K.K.B. Project Division & K.K.B. Project Sub Division No.-I, at Temathani, Sabang (22°13'16.90"N, 87°33'55.22"E), ph. 03222-248005/248114/7602602180
- K.K.B. Project Sub Division No.-II, at Sabang (22°10'36.85"N, 87°35'42.56"E), ph. 03222-249066 /9732874916
- K.K.B. Project Sub Division No.III at Sabang (22°10'48.05"N, 87°35'38.79"E) ph. 03222-249329/9679141434
- 

All the Sub-Divisional Officers will prepare the Roster Duty Chart for control room duty.

### c) STOCK POSITION OF EMPTY POLY BAGS & NYLON CRATES:

#### A. The Stock Position of Poly bags at different stations are as follows:

- (i) K.K.B. Project Sub Division No.-I, at Temathani office complex (22°13'31.49"N, 87°33'38.73"E)= 15725 nos,
- (ii) K.K.B. Project Sub Division No.-III at Sabang Office Complex (22°10'36.85"N, 87°35'42.56"E) = 22346 nos.

#### B. The Stock Position of Nylon Crates at different stations as follows:

- (i) K.K.B. Project Sub Division No.- I at Temathani office complex = 945 nos.
- (ii) K.K.B. Project Sub Division No.-III Sabang Office Complex = 490 nos.

#### **d) HIRING OF BOATS & OPERATING REGULATOR GATES AND FALL BOARDS:-**

Decision for Hiring of boat will be taken as and when situation demands.

Generally sluice gates are operated by the local farmers / Panchayet functionaries as per their requirement throughout the year. So, decision for engagement for operating regulator gates and guarding & operation of Fall Boards will be taken as and when situation arises.

#### **e) Collection of Information of event and response:-**

People of the locality and Panchayet Functionaries are generally main source of information during crisis period for the vast jurisdiction consisting of 166Km embankment, 102 Nos Sluice & 62 Nos Wooden Bridge. Communication Nos of control room for the respective area are available to the concern people of the locality. Besides, frequent visit of vulnerable zones are also been made by concerned Sub-Divisional staffs. As soon as information received it was attended for evaluation of its severity and taken up remedial reassures accordingly. Basically two types of events are to attend, firstly leakage through sluice gate and other is slip/slide/ghoge in embankment. **But main problem in time of crisis is found to be false or truly speaking exaggerated report of happening.**

### **3. Relief**

#### **a) FLOOD FIGHTING WORKS:-**

Flood fighting works will be undertaken as and when necessary under prior intimation to District Magistrate after obtaining permission from the Higher Authority of the I & W Dte.

In the event of any breach, report will be at once transmitted to Sabhaddhipati & Karmadakshya, Paschim Medinipur Zilla Parishad & Purba Medinipur Zilla Parishad, Block Development Officer of concerned Block & Sub Divisional Officer of concerned Sub Division & Higher Authority of I & W Dte. Repair works will only be taken up with prior permission of the Higher Authority of the I. & W. Dte. and with written requisition from District Magistrate and Sabhaddhipati of concerned Area to take up such work.

Materials for Flood Fighting works i.e. Poly bags, Nylone Crate will be supplied from Stock kept in two vital position of entire jurisdiction i.e. at Sabang Godown & at Dehati Camp Office and if situation arises, further procurement will also initiated.

### **4. Recovery**

The restoration works on the embankments, Inspection Path, Sluice, Bridge of river Kaliaghari, Kapaleswari and other Khals which will be damaged will be taken up case basis either during monsoon or after monsoon.

### **9.3 Action Plan for FOOD & SUPPLIES DEPARTMENT**

Rolling reserve the stock of Rice will be build up at the Godowns of MR Distributors in the flood prone areas of the District.

## Rolling reserve a stock of Rice:-

To build up rolling reserved stock of Rice (Procured Rice-Common boiled) at the Godowns of M.R. Distributors in the flood prone areas of the District.

The said Rice will be handed over to the S.D.O.s / B.D.O.s as and when necessary subject to its replenishment forthwith by special G.R. Rice of the same variety.

## Reserve a stock of K. Oil: -

To build rolling reserve stock of K. Oil @ 5 K.L. / K. Oil Agent in the vulnerable pockets of this District.

The said reserved stock will be made available out of normal monthly quota by adjusting scale of distribution if necessary in consultation with the S.D.O.s. Necessary instruction to this effect will be issued to the Sub-Divisional Controllers.

### Kharagpur Sub-Division

Sl. No.	Name of the Agent	Address
1.	M/s. C.R. Das	Vill. + P.O. - Lutunia, P.S. Sabang.
2.	National Oil Agency	Vill. + P.O. - Balichak, P.S. - Debra.
3.	Maa Saradamoyee Kerosene Agency	Vill. - Barisha, P.O.- Bhonabarh.
4.	Keshiary Oil Agency	Vill. + P.O. - Keshiary.
5.	Bharat Oil Agency	Vill. - Chaulia, P.O.- Dantan.
6.	Sweshi Highway Centre	Vill. - Rupnarayanpur, P.O.-Kharagpur.
7.	Jitendra Oil Company	P.O. - Inda, Kharagpur.
8.	Master Engineering Works	At - Golebazar, Kharagpur.
9.	Popular Trading Company	Vill. - Daulatchak, P.O.-Mathbishnupur, P.S.-Debra.
10.	Jain Traders	At - Golebazar, Kharagpur.
<b>Midnapur Sadar Sub-Division</b>		
11.	M.S. G.C. Kundu	At - Tantegeeria, P.O.-Midnapur, P.S.-Kotwali.
12.	Jitendra Oil Company	At- Rangamati, P.O.- Midnapur.
13.	Master Engineering Works	At - Tantegeeria, P.O.-Midnapur, P.S.-Kotwali.
14.	United Service Station	At- Chandrakona Road, P.O.- Satbankua, P.S.-Garbeta.
15.	Debjani Kerosin Oil Company	At + P.O. - Keshpur, P.S.- Keshpur.
16.	M.N. Kar	Vill. + P.O. - Amlagora, P.S.-Garbeta.
17.	Master Engineering Works	At - Baradabcha, P.O. Satbankura, P.S.-Garbeta.
<b>Ghatal Sub-Division</b>		
18.	Central Trading Co.	At + P.O. - Ghatal, P.S.-Ghatal
19.	Master Engineering Works	At. + P.O.- Khirpai, P.S.-Chandrakona.
20.	Annapurna Oil Co.	At. + P.O.- Khirpai, P.S.-Chandrakona.
21.	Sangita Oil Co.	At + P.O. - Chandrakona, P.S.-Chandrakona.
22.	Satyanarayan Stores	P.O.-Doodhkomrahat, P.S.-Daspur.
23.	Daspur Co-operative A.M.S. Ltd.	Vill.- Chenchura-Govindanagar, P.O.-Sekendari.
24.	B.T. Hazra	Vill. + P.O. - Ghatal, P.S. - Ghatal.

## Stock of foodgrains (Rice) in Govt. Godowns (Own and Hired):-

Government Food Depots at Balichak, Belda, C.K. Road & Midnapur will have enough stock for providing in case of necessity.

Present stock position of procured Rice (common-boiled) in the said Godowns including 1 (one) Hired Private Godowns at Amrakuchi, Midnapur is about 9161 M.T. as shown below.

Sl. No.	Name of the Godown	Stock Position (in M.T.)
1.	Midnapur GFD	1504
2.	M.B.Agrovet Firm Hired Godown	2204
3.	Balichak GFD	551
4.	Belda GFD-1	20
5.	Belda GFD-2	151
6.	Belda CWC	729
7.	C.K. Road GFD	235
8.	C.K. Road CWC (PEG)	2090
9.	Garhbeta-I Krishak Bazar, Dhobaberia	762
10.	Pingla Krishak Bazar	915
<b>Total:</b>		<b>9161</b>

#### 9.4 Action Plan for SUPERINTENDENT OF POLICE, Paschim Medinipur

A) A District Police Disaster Management Group may be formed comprising :

- i) Addl. Supdt. of Police (HQ), Paschim Medinipur as Nodal Officer
  - ii) All Zonal Dy.SsP, Paschim Medinipur
  - iii) All CIs of Paschim Medinipur
  - iv) All ICs/OCs of Paschim Medinipur
  - v) OC Control Room, Paschim Medinipur
  - vi) RI, Paschim Medinipur
  - vii) MTO, Paschim Medinipur
- B) ICs and OCs in co-ordination with BDMO, BDO will collect prior intelligence on probable disaster and cater the same to all zonal superiors and OC Control Room.
- C) After commission of disaster ICs/OCs of PSs shall take part in rescue operation in consultation with respective BDOs with available force and officers.
- D) ICs/OCs after consulting with zonal superiors and examining the gravity of disaster shall open a Control Room in the disaster affected places.
- E) Such Control Room shall have all facilities as per standard rule.
- F) Control Room shall have a GD Book for recording grievance and annals of loss of property of disaster affected people.
- G) Escort for food and other relief materials shall be provided by the respective ICs/OCs whenever sought for.
- H) Security to relief camp shall be provided by ICs/OCs whenever sought for.
- I) RI, Paschim Medinipur shall provide additional force and officer.
- J) MTO, Paschim Medinipur shall provide vehicle for movement of force and officer and escort of vehicle carrying relief materials.
- K) OC Control Room shall cater all information to all concerned.
- L) CIs shall personally supervise all activities of PSs regarding rescue operation, ensure that no untoward incident takes place at the time of distributing relief materials and ensure security of relief camp.
- M) Six (06) Teams to be formed for implementation the Disaster Management Plan of Police in combating against Flood / Cyclone :

##### Team One

To be placed at the PO for conducting of tasks relating to rescuing, shifting of injured persons to the hospitals and safe places.

**Team Two**

Will be placed at the place of shelter for the affected people and will be entrusted with the duty of looking after the servicing of food, drinking water and medicines to the rescued persons.

**Team Three**

To be placed at hospitals/health units etc. where injured to be shifted and ensure proper medical treatment of the injured persons.

**Team Four**

Will be engaged in sharing information through constant communication with the public from Special Control Room and venue.

**Team Five**

Will assist Team One and will ensure smooth and safe evacuation of the trapped flood/ cyclone affected people of the venue of the mass gathering.

**Team Six**

To be placed on District Headquarter to maintain liaison with various agencies. It will also keep liaison with the NGOs willing to provide voluntary service in such emergency situation and issue direction to them to act according to the plan and policy of the District Disaster Management Team of Police.

**S.O.P ON DROWNING OF VEHICLE**

1. OC of respective police jurisdiction shall inform District Disaster Management Officer (to send diver), District Control Room and Nodal Officer of the District (Addl. SP (HQ) and rush to the PO instantly.
2. OC Control Room shall inform all adjoining PSs to remain alert.
3. OC of respective police unit will cordon the place of occurrence and prevent onlookers, relatives of injured persons, media personnel from entering into place of occurrence and causing hindrance to rescue operation.
4. OC shall conduct operation in search of injured persons and dead bodies.
5. OC Control Room shall alert all nearest hospitals including Midnapore Medical College & Hospital to remain ready with life saving equipments.
6. Crane, Gas Cutter and other equipments to lift the drowning vehicle to be called.
7. Four teams to be formed for
  - a) Team – 1 to be placed at the PO for conducting all tasks relating to rescuing, shifting of injured persons to the hospital, searching etc.
  - b) Team – 2 to be placed at the hospital (where injured were shifted) to look after the injured persons
  - c) Team – 3 to be placed at District Control Room to cater various information
  - d) Team – 4 to be placed at District Headquarters to maintain liaison with various agencies.
8. Injured persons to be shifted to nearest hospital with facilities of caring drowning injuries quickly.
9. Nodal Officer of the district (Addl. SP (HQ), Paschim Medinipur shall inform to Disaster Management Group, 13<sup>th</sup> Bn. Barjora, Bankura for necessary action.
10. OC of respective Police Station shall canvass with the assistance of Public Alert System to prevent spreading rumour.
11. Forensic Team to be called to collect evidence from the place of occurrence.
12. On reaching of Disaster Management Group entire operation shall have to be handed over to them and necessary assistance, support to be provided whenever asked for.

## **S.O.P ON FIRE FIGHTING**

1. OC of respective police jurisdiction shall inform Fire Fighting Agency, District Control Room and Nodal Officer of the District (Addl. SP (HQ) and rush to the PO instantly. He will alert all other members of the Disaster Management Team and will supervise the rescue operation. He will be responsible in sending an expert rescue team along with fire brigade to the place of occurrence and at the same time will activate all the units in sub-divisional and PS level District Management Team.
2. OC Control Room shall inform all adjoining PSs to remain alert.
3. OC of respective police unit will cordon the place of occurrence and prevent onlookers, relatives of injured persons, media personnel from entering into place of occurrence and causing hindrance to rescue operation.
4. OC shall conduct operation in search of injured persons and dead bodies.
5. OC Control Room shall alert all nearest hospitals including Midnapore Medical College & Hospital to remain ready with life saving equipments.
6. Four teams to be formed for
  - i) Team – 1 to be placed at the PO for conducting all tasks relating to rescuing, shifting of injured persons to the hospital, searching etc.
  - ii) Team – 2 to be placed at the hospital (where injured were shifted) to look after the injured persons.
  - iii) Team – 3 to be placed at District Control Room to cater various informations.
  - iv) Team – 4 to be placed at District Headquarters to maintain liaison with various agencies.
7. Injured persons to be shifted to nearest hospital with facilities of caring burnt injuries quickly.
8. Nodal Officer of the district (Addl. SP (HQ), Paschim Medinipur shall inform to Disaster Management Group, 13<sup>th</sup> Bn. Barjora, Bankura for necessary action.
9. OC of respective Police Station shall canvass with the assistance of Public Alert System to prevent spreading rumour.
10. Dog Squad to be called for rescue of injured persons and dead bodies.
11. Forensic Team to be called to collect evidence from the place of occurrence.
12. On reaching of Disaster Management Group entire operation shall have to be handed over to them and necessary assistance, support to be provided whenever asked for.

## **S.O.P ON COMBATING DISASTER IN THE VENUE OF MASS GATHERING**

1. OC/IC of respective PS under which jurisdiction the disaster took place shall immediately inform the Disaster Management Officer of Police as well as alert District Control Room and Nodal Officer of the district and seek for necessary reinforcement.
2. The Chief Supervisory Officer, who is in-charge of the venue will at once sensitize all the other subordinate officers in all ranks under him to pass on the necessary information to the ground level officers so that communication should reach to the top of the District Police Administration and at the same time all the field level officers and police personnel deployed in the venue. All of them should be well aware of the disaster and take necessary action according to the 'Master Plan' which will be evolved by the District Disaster Management Team of Police considering the emergency of the situation. The officers and police personnel in the venue of disaster should implement the 'Action Plan' so far as the work of the crowd choked up in a place of mass gathering is concerned.
3. The trespassed crowd should be channelized through ongoing ways only and at the same time emergency 'Entry & Exit' points should be made open for easy dispersion of crowd.
4. District Disaster Management Team of Police should communicate Health Department, Fire Department and other emergency services for their additional reinforcement in the disaster affected venue as early as possible.



5. The District Disaster Management Team of Police should contact with the Civil Defence Team and ask them to rush to the spot on emergency basis.
6. The Nodal Officer of Traffic, i.e. Dy. Supdt. of Police (Traffic), Paschim Medinipur will take initiative in making adequate traffic management in an around the vicinity of the disaster affected venue for smooth and early evacuation of the dispersed crowd from venue to safe place.
7. Dy. Supdt. of Police (Traffic), Paschim Medinipur in consultation with concerned RTA will also arrange for additional public conveyance adjacent to the venue.
8. District Disaster Management Team of Police will immediately contact with the top level District Civil Administration and ensure the safe shelter of the dispersed crowd in the place of evacuation which should be kept ready with food, drinking water and medical facilities.
9. Nodal Officer of the district i.e. Addl. Supdt. of Police (HQ), Paschim Medinipur will direct all the senior supervisory officers in the rank of Dy. Supdts. of Police and Inspectors to move to the place along with adequate officers and force under their administrative jurisdiction.
10. A Sub-Control Room should be opened on 24 hours basis with the facilities of public address system for making constant communication with the panicked members of the crowd in the venue. This group will also ascertain so that unnecessarily no rumour can be spread to arouse panic among the masses.
11. OC/IC of the concerned PS will take the responsibility to display the Bus/Train Time Table at important locations of the town/city nearby the venue.
12. Up-to-date train running, specially the trains running late, can be displayed at appropriate locations to avoid crowd of the railway stations.
13. Senior officers deployed in the venue should ensure that 'Entry & Exit' points should not be blocked in any way as sometimes information seekers often use to assemble the 'Entry/Exit' points and eventually block the movement of the other visitors.
14. RI, Paschim Medinipur will mobilize adequate officers and force to the affected place from District Police Lines as well as from other units of the district.
15. MTO, Paschim Medinipur will provide adequate number of vehicles required for mobilization of the officers and force.
16. Forensic Team to be called to collect evidence from the place of occurrence.
17. Nodal Officer of the district, i.e. Addl. Supdt. of Police (HQ), Paschim Medinipur shall inform to Disaster Management Group, 13<sup>th</sup> Bn. Barjora, Bankura for necessary action.
18. Four teams to be formed for
  - e) Team – 1 to be placed at the PO for conducting all tasks relating to rescuing, shifting of injured persons to the hospital, searching etc.
  - f) Team – 2 to be placed at the hospital (where injured were shifted) to look after the injured persons.
  - g) Team – 3 to be placed at District Control Room to cater various information
  - h) Team – 4 to be placed at District Headquarters to maintain liaison with various agencies.

## **S.O.P ON COMBATING DISASTERS IN RAILWAY:**

1. **Passenger Train:** A train intended solely or partly meant for the carriage of passengers shall be treated as a passenger train. A workmen's train or a ballast train or a material train or an accident relief train or a tower car or cattle special or military special carrying authorized escorts or similar such train shall be treated as a passenger train.
2. **Other Trains:** All other trains not covered under passenger trains shall be termed as other trains.
3. **Accident:** For the purpose of railway working, accident is an occurrence in the course of working of railway which does or may affect the safety of the railway, its engines, rolling stock, permanent way and works, fixed installations, passengers or railway servants or which affects the safety of others or which does or may cause delay to trains or loss to the railway. For statistical purposes, accidents have been classified in categories from "A" to "R" excluding "I" and "O".

NOTE: Except where specially mentioned, nothing in this applies to workshop accidents, which are covered by the Factory Act, 1948 and the Rules made there under.

4. **Injuries:** Injuries are classified as: **(a) Grievous injury (b) Simple injury**

**Grievous injuries:** As defined in section 320 of Indian Penal Code 45 of 1860 the following kinds of injuries are termed as grievous injuries: (a) Emasculation. (b) Permanent privation of the sight of either eye. (c) Permanent privation of the hearing of either ear. (d) Privation of any member, or joint. (e) Destruction or permanent impairing of the powers of any member, or joint. (f) Fracture or dislocation of a bone, or tooth. (g) Any hurt which endangers life or which causes the sufferer to be in severe body pain or unable to follow his ordinary pursuits for a period of 20 days after the accident.

**Simple Injuries:** a) A person will be considered to have incurred simple injuries, if these injuries incapacitate the injured person from pursuing his customary vocation for 48 hours after the occurrence of the accident. b) A railway employee is considered to have been injured if he/she is prevented from returning to work as a result of injuries for a period of 48 hours after the occurrence of the accident.

5. **Classification of Accidents:** Accidents are classified under following heads:

1. Train Accidents.
2. Yard Accidents
3. Indicative Accidents
4. Equipment Failures
5. Unusual Incidents

6. **Train Accident:** Train accident is an accident that involves a train. Train accidents are further divided as: a) Consequential train accidents, and b) Other train accidents.

7. **Consequential Train Accidents:** Include train accidents having serious repercussion in terms of- (a) loss of human life, (b) human injury, (c) loss to railway property, or (d) interruption to rail traffic

8. **Collisions:** This refers to the impact of a train against another train or vehicle. It includes head-on collision, rear collision and side collision. It does not include impact of wagons due to rough shunting without casualties and with negligible damage. It also excludes accidents at level crossings.

9. **Fire in Trains:** A fire in a train should be treated as a train accident only when it results in death or physical injury or loss (damage) of railway property with a value of 50,000 and above.

Note: The other cases of fire in trains, which do not come under this category, should be accounted separately as “Other Accidents” and should continue to be thoroughly investigated in order to find out their causes and to take effective action to prevent recurrence.

## **DUTIES of RAILWAY STAFF**

Every Railway servant traveling by the affected train or available at the site, whether on duty or not, shall help in the disaster management by getting identified and rendering immediate assistance to the affected passengers at the site. Non-participation in accident relief operations will be considered as DERELICTION OF DUTY‘.

**A. Guard of The Train Involved in Accident:** The duties are given in the sequence in which they have to be performed. On occurrence of an accident to his train, the Guard of the train shall immediately:

1. Note the time of accident.
2. If the accident has occurred on a double line section, the Guard should immediately check if the adjoining line is fouling or not. If it is fouling, he should immediately exhibit red flag by day and flashing light by night towards the direction in which train is expected on the adjoining line. He will continue to exhibit the hand danger signal until the time the adjoining line is protected as per rules in force.
3. Arrange to protect his train as per Rules in force, taking the assistance of any qualified staff, such as Assistant Guard, Assistant Loco Pilot, gangmen, gatemen etc.
4. Make a quick survey of the accident site for casualties, injuries, if any, and for deciding the assistance required.
5. Send the first information of accident to the control office and then to the nearest Station Master furnishing the following information, through mobile phone or portable telephone, or walkie-talkie or gate phone, etc., a) Time of Accident, b) Kilometer etc.,
6. On the double line section a train passing on the other line should be stopped and the Loco Pilot and Guard given intimation about the accident if not already given vide para (5).
7. Render first aid to any person injured, obtaining assistance of the railway staff, doctors and / or volunteers on the train, or near the site of accident; and transport the injured to the hospital by taking the help of 104/108 Ambulance service.
8. He will also arrange for preservation of clues and evidence until a senior Railway official takes over charge.
9. Remain in general charge till a senior Railway Official takes over charge. There after work as per the instructions of the senior official in charge of the accident.

**B. Engine Crew of the Train:** On occurrence of an accident to a train, its crew shall:

1. Immediately switch on the Flasher Light. If flasher light is not working, exhibit hand danger signal so as to stop any train coming in the opposite direction on a double line section.
2. Note the time of accident.
3. Protect the adjacent line/lines/same line in accordance with rules in force.
4. Take such technical precautions as may be necessary or as prescribed by special instructions to render the locomotive safe.
5. Give information to Guards about the locomotive (derailed or not), condition of coaches/wagons immediately in rear of the loco and any other information relevant to the accident.
6. Send Assistant Loco Pilot to assist the Guard in establishing contact with control office, relief and rescue operations.

**C. Station Master / Station Manager:** [The Station Masters on either side of the block section if the accident occurred in the mid-section or the station master of the station where the accident has occurred.]

1. On a double line, immediately stop the trains proceeding into the affected block section in the opposite direction. If any train has already entered such block section, inform the crew and guard to immediately stop their train and tell them to proceed cautiously so as to stop short of any obstruction.
2. Report the accident to the Section Controller and to the Station Master at the other end of the block section.
3. Control to be advised regarding – a. Time, and nature of accident. b. Brief description of accident. c. Medical Relief van required or not d. The need for ART with or without crane e. Adjacent lines clear or not. f. Number of coaches/wagons derailed, canted, capsized, etc., g. Availability of road approach to the accident site,
4. Station Masters of Stations where sirens are provided shall sound the sirens and arrange to move the Medical Relief Van / ART special trains as per the control orders.
5. Advise the section Traffic Inspector and the officials of other departments by quickest possible means.
6. Call for off-duty Station Masters and points men for assistance in operations.
7. In case the accident occurs within station limits, the position of point knobs, signal knobs, route knobs, various readings of counters shall be kept intact till these are jointly recorded by the supervisors of Traffic, S&T and Engineering departments.
8. Keep the lines free at the station for receiving the un-affected coaches/wagons, MRV, ART, etc.,
9. He will arrange for the following assistance:
  - a). Medical Assistance:** (i) Assistance must be called for Ambulance service from the local Hospitals, Railway Hospitals and Health Units, Civil and Army Hospitals, St. John's Ambulance brigade, qualified first-aiders, firefighting personnel, and other qualified medical personnel available on trains and at stations. (ii) Injured passengers to be transported to the nearest hospitals, by the most expeditious means. (iii) Arrange for the quick transport of A.R.M.E. Scale

II equipment to the site of the accident. (iv) Arrange adequate number of First Aid boxes and stretchers.

**b). Refreshments to Passengers:** (i) Advise DCM / ACM for making available food and refreshments to stranded passengers. (ii) Arrange for drinking water & beverages from VRR / NVR and / or locally, free of cost to the affected passengers.

**c) Transport Assistance:** (i) Arrangements shall be made to transport the injured on top priority by road or by a special train to the hospitals. (ii) Stranded passengers to be transported from the accident spot by arranging transshipment either by train or by hiring Road vehicles. (iii) Arrange for refund of fares as per the extant rules.

**d). Security Assistance:** Station Master shall advise officials of Government Railway Police, State Police and the Railway Protection force to provide security to the private and railway property at the site of the accident. The Station master will also lodge an FIR with the jurisdiction GRP Inspector in case sabotage is suspected for the accident.

**e) Communication Assistance:** (i) Information counters to be opened at important stations and at the accident site. (ii) Information regarding the injured and dead shall be ascertained and given to the relatives whenever asked for. (iii) Free Phone with STD facilities shall be made available to the affected passengers to convey their condition to their relatives from the site and stations.

**10.** Controlling SM must proceed to the site by the quickest means taking with him sufficient porters and other staff who can assist in the relief operations.

**11.** SM/SMR shall ensure securing of records in cabin and Station, such as Private number book, train signal register, line admission book, engine log book and speed charts from the loco and other relevant records. He shall also ensure sealing of slides, levers, knobs and relay rooms.

**12.** Take all necessary action as prescribed by the rules and instructions in force.

**D. Controlling Station Master:** The controlling Station Master must proceed to the site of the accident by the quickest means. He must take with him coolies, lamps, and any other equipment that he considers necessary. Till relieved by a Traffic Inspector or Officer, he will be responsible for regulating the traffic, attending to the injured, making a note of all evidence which may prove useful in ascertaining the cause of the accident and taking general charge of the situation.

#### **E. Train Superintendent / Travelling Ticket Examiner:**

1. Ascertain if any Doctor is travelling by seeing the reservation chart and making verbal enquiries and arrange for First aid to the injured passengers.
2. Along with other TTEs in the train, he should assist the injured passengers to come out of their coaches. The TTEs should also help passengers trapped in the coaches to come out of the coaches.
3. Unclaimed luggage and other belongings should be handed over to the GRP with full details and acknowledgement obtained.
4. Prepare list of dead and injured. The list should be classified as under: DEAD GRIEVOUSLY INJURED SIMPLE INJURED Details of the dead and injured should be obtained from the reservation chart, tickets held (to and from) or co-passengers. Assistance of the Police travelling in the train to be obtained also for identification.
5. The following details should be collected: a) Tickets of the Passengers travelling (to and from) b) Ticket Numbers – Class c) Coach Number and its position from the engine d) Address of the passengers e) Nature of injury (Simple, Grievous)
6. He should keep record of the number of dead and injured (simple, grievous) if they are already transported by local people to the nearest hospital before the Railway Doctors had arrived.

#### **F. Officer or Senior Supervisor first reaching the Site:**

1. The Officer or the Senior Supervisor first reaching the site of the accident shall check-up:- a) Whether protection has been done. b) On a double line, whether the other line is free from obstruction for moving trains. c) Whether necessary message supposed to be relayed regarding the details of the accident, casualties etc., have already been relayed or not.
2. He shall make a quick assessment of the assistance required and relay the same to the control. He will also marshal all available resources like Guard, TTEs, other Railway employees, volunteers from passengers, escort RPF, etc., and organize rescue and relief of the injured and other passengers.
3. He shall also examine and make a note of all evidence which may prove useful in ascertaining the cause of accident.
4. He shall arrange for protection of the site/area that holds the clues/evidence which will be essential to arrive at the cause of accident. He shall ensure that such clues/evidence is not tampered with by Railway staff or outsiders.
5. The following points require special attention: a) The condition of the track, with special reference to the alignment, gauge, crosslevels, curvature, super elevation and rail headwear: b) Point of mount or point of drop, if any c) The condition of rolling stock with special reference to Brake power. d) Marks on sleepers and rails: e) Position of derailed vehicles; f) The position of Block Instruments, signals, points, levers, indicators, keys; g) If the accident has taken place within station section, the position of switches and indications of the Signals, points and track circuits should be jointly recorded preferably by three officers (or three senior subordinates of Traffic, S&T & Engineering departments) of different branches and the relay room should be sealed as soon as possible. h) Position of important relays and the condition of the block instrument (i.e. whether open or locked) and i) He

- should cross check the list of casualties prepared by the Railway Doctor and countersigned by the civil police (if some bodies are yet to be recovered, it should specifically be mentioned that the list is not final and will be conveyed after salvaging bodies from debris).
6. Where possible a rough sketch showing the position of Derailed vehicles, marks on sleepers etc., should be made.
  7. All relevant materials, clues, damages and deficiencies on the locomotive and rolling stock as well as position of broken or detached parts of Permanent way and rolling stock must be carefully noted and all such clues etc., carefully preserved so that, if considered necessary, the scene could be reconstructed before the police, the Commissioner of Railway Safety or any other senior officer, or court of law.
  8. If, however, sabotage is suspected, in addition to noting and preservation of all such clues, no object should be disturbed unless the police have had an opportunity of making thorough inspection of the site. However, if there is delay in the arrival of Civil and Police officials at the site of the accident, the senior most Railway Official at site may, at his discretion, jack up any portion of a coach or shift any property to the minimum extent necessary, after noting its original position by sketch to extricate human beings trapped under it, in the shortest possible time to save life and minimize sufferings. Normal traffic, however, should not be permitted without consulting the police. a) Further specific enquiry should also be made from the Commissioner of Railway Safety in case of suspected sabotage to ascertain if he would like to inspect the site before the clearance operations commence. b) Restoration / clearance should not commence (except to the minimum extent necessary to save human lives) unless such permission has been received from police authorities as well as CRS.
  9. In the case of serious explosion or fire caused by explosives or dangerous goods, all wreckage and debris must be left untouched, except in so far as its removal may be necessary for the rescue of the trapped / injured persons and recovery of dead bodies, until the Chief Inspector of Explosives or his representative has completed his inquiry or intimated that he does not intend to make any investigation.
  10. If the station staff are prima facie responsible, the train passing records must be seized and statements of station staff concerned recorded.
  11. If a passenger carrying train is involved, the officer or senior subordinate must secure the written evidence of as many witnesses as possible and their names and addresses should be recorded. The witnesses selected should not be railwaymen,
  12. He should have a complete list of names and addresses of the injured and dead along with the addresses of relatives and ensure messages are sent to the relatives of the injured or dead.
  13. He should also ensure that Superintendent of Police and District Magistrate have been advised.
  14. He should give the prima-facie cause of the accident with the expected time of restoration.
  15. He should ensure that progress report is relayed to control every one hour.

## 9.5 Action Plan for FPI & HORTICULTURE DEPARTMENT

Paschim Medinipur District is rich in Horticultural crops. All types of Horticultural crop are grown in this district. Product of Horticulture is prime source of our food chain and this district produces most of the crops like-Vegetables mainly grown in Garghbeta-I, II & III, Daspur-I & II, Kharagpur-I, Salboni, Keshpur & Keshiary Block, Flowers- mainly grown in Debra, Daspur-I & II, Khargpur-I & II, Sabang, Pingla, Narayangarh, Fruits- mainly grown in Garhbeta-I, Garhbeta-II, Garhbeta-III, Kharagpur-II etc. Spices- most of the block of this district, Cashewnut in Garghbeta-I, II & III, Salboni etc.

Paschim Medinipur District ranks 1<sup>st</sup> position in Cashewnut Production in this state. Betel vine is another economical crop in this district.

Vegetables and Flowers are remunerative crop and cultivation of these crops helps up-liftment of economic status in a short period. So, Horticultural planning is made in such a way by which the adversed situation affected by flood and drought can be combated.

### **To overcome the adverse effect of Flood:**

1. Seed showing of leafy vegetable for immediate harvesting like- Amaranthus, Palak, Radish, coriander, Methi etc.
2. Other short duration direct showing crops like Cowpea, Ridge Gourd, Pumpkin, Cucumber, Bottle Gourd etc. are suitable after flood.
3. In heavy flood affected saline area Beet Root, Ridge Gourd and Beans crops are suitable for cultivation.
4. After flood clay deposited soil are suitable for vegetable cultivation and deposited sand will be removed by means of manually or mechanically.

### **To overcome the adverse effect of Drought:**

1. Digging of water Harvesting Structure like Ponds, Tube well and other irrigation sources.
2. Inspiring for installation of drip irrigation for all horticultural crops.
3. Plantation of Dry land Horticultural Crop like-Cashew, Ber etc.
4. Providing mulching to the base of the crop by means of organic or inorganic.

### **Action to be taken by the farmers in Flood:**

1. Crops are grown in furrow and ridge bed method.
2. Well drainage system throughout the plot.
3. Seedling production in raise bed protected by polythene for rain water.
4. After flood immediate application of fungicide to the crop.
5. Seeds are sowing in line in nursery and maintain proper spacing to avoid rotting of the crop.
6. In saline belt only use saline resistant crop like-Beet Root, Ridge gourd, Beans, Cowpea etc.

### **Action to be taken by the farmers in Drought:**

1. Planning for less water requirement crop.
2. Planting of crop with enough organic matter with poly mulching.
3. Sprinkler or Drip irrigation method is most suitable for drought prone area.
4. In drought prone area shade nets are beneficial for vegetable and flower production.



**Measure to be taken by F.P.I. & Horticulture Department in Flood:****1. Distribution of Vegetable Seed Kit:****KIT-I:**

SL No.	Name of the Vegetable Seeds	Quantity
1	Amaranthus	100g
2	Beans	500 g
3	Brinjal	10 g
4	Beet	250g
5	Knolkhol	50 g
6	Carbendazim	250 g
7	Neem based Insecticide	250 ml

**KIT-II:**

SL No.	Name of the Vegetable Seeds	Quantity
1	Coriander	100g
2	Carrot	50 g
3	Brinjal	10 g
4	Radish	50g
5	Okra	100 g
6	Carbendazim	250 g
7	Neem based Insecticide	250 g

**2. Distribution of Flower Kit:****KIT-III:**

SL No.	Name of the Ingredient	Quantity
1	Neem Cake	10 kg
2	Difenokonazole+ Azoxystrobin	100 ml
3	Biological Insecticide	1 kit

**3. Distribution of Betel vine Kit:****KIT-IV:**

SL No.	Name of the Ingredient	Quantity
1	Neem Cake	10 kg
2	Carbendazim + Mancozeb	250 g
3	Neem based Insecticide	250 ml

**Total nos. kit:**

SL No.	Name of crop	Quantity
1	Vegetable	35,000 nos. kit
2	Flower	8,000 nos. kit
3	Betel vine	3,000 nos. kit

## 9.6 ACTION PLAN OF HEALTH DEPARTMENT

### Name of affected blocks with health establishments based on last 6 years data

Sl No	Name of Affected Block	Number of affected GP	Number of affected population	health establishments likely to be affected			
				RH	BPHC	PHC	SC
1	Keshpur	11	2,58,019	0	0	1	12
2	Mid sadar	5	1,19,082	0	0	1	5
3	KGP I	2	68,121	0	0	0	0
4	KGP II	2	49,125	0	0	0	0
5	Keshiary	5	20,296	0	0	0	4
6	Narayangarh	8	1,72,132	0	0	0	15

### Name of affected blocks with health establishments based on last 6 years data (cumulative)

Sl No	Name of Affected Block	Number of affected GP	Number of affected population	health establishments likely to be affected			
				RH	BPHC	PHC	SC
1.	Dantan I	4	75,225	0	0	1	12
2.	Dantan II	2	46,571	0	0	0	0
3.	Mohonpur	1	21,950	0	0	0	1
4.	Debra	9	3,73,442	0	0	1	6
5.	Sabang	13	2,76,018	0	0	1	21
6.	Daspur I	6	1,82,231	0	0	0	8
7.	Daspur II	6	1,09,465	0	0	1	34
8.	Ghatal	12	2,32,719	0	0	1	28
9.	CK I	4	85,668	0	0	0	8
10.	CK II	5	7,961	0	0	0	14
11.	Ghatal Muni	13 ward	70,300	0	0	0	0
Total		113	24,86, 678	0	0	5	111

## Affected PHCs and SCs

- Midnapore Sadar – PHC – Pathra, SC – Pachra, Bajpara, Gobindapur, Harishpur, Hatihalka.
- Keshpur – PHC – Dhalhara, SC – Gopinathpur, Debageria, Biswanathpur, Chotoposa, Naldihi, Satenga, Jhentla, Dhalhara, Kanchantala, Ghoshpur, Digha, Basanchawk.
- Keshiary – SC – Bagasty, Nochipur, Bhasra, Baglata.
- Narayangarh – SC- Raipur, Gonua, Kesbasan, Metai, Kashipur, Markunda, Turanga, Purusotympur, Bansarisha, Bakrabad, Khalina, Akanda, Kasba, Handiaghat, Bahurupa.
- Dantan I – PHC – Rajnagar, SC – Antri, Rajnagar, Malijamuna, Charda, Katapadi, Palsondapur, Tararui, Jamua, Panitunia, Sonakonia, Bhabanipur, Barabagra.
- Mohonpur – SC – Keoutkhalisa
- Debra – PHC – Trilochanpur, SC – Bhawanipur, Shyamnagar, Bharatpur, Sinua, Satyapur, Haridrapath.
- Sabang – PHC – Kharika, SC – Debang, Uchitpur, Jhalkapur, Danrah, Kanisole, Madkatpur, Khepan, Kelyapur, Harihat, Ruinan, Nimkimahar, Debrajpur, Jagannathchawk, Lakepith, Anbigeria, Kilantapara.
- Daspur I – SC – Dubarjpur, Narajole, Kantadarja, Kalyanpur, Supa pursuri, Maharajpur, Dharmasagar, Makrampur, Brahamanbasam, Radhanagar, Sekendary, Basantapur, Biharichawk, Gopidaspur, Hossenpur.
- Daspur II – PHC – Chaipat, SC – Kamalpur, Ramkrishnapur, Jotghanashyampur (East & West).
- Ghatal – PHC – Khasbarh, SC – Monsuka, Dirghagram, Rathipur, Silarajnapur, Chaksadi, Maharajpur, Kuthikonapur, Panna, Joynagar, Sripur, Jalsara, Birsingha, Radhanagar, Dandipur, Natuk.

Name of affected blocks with health establishments based on last 6 years data

Sl No	Name of Affected Block	Name of affected GP	Number of affected population	Health establishments likely to be affected			
				RH	B P H C	PHC	SC
1.	Keshpur Partly	Golar	26069				
	Partly	Mugbasan	27271				
	Partly	Sahaspur	27265				
	Partly	Amrakuchi	23589				
	Partly	Anandapur	23173				
	Fully	Keshpur	23045				
	Fully	Kalagram	20556				
	Fully	Sarisakola	23831				
	Fully	Dhalhara	19728			1	
	Fully	Jhetla	21281				
	Fully	Enayatpur	22211				
<b>Total</b>		<b>11 Nos</b>	<b>258019</b>				
2.	Midnapore Sadar	Panchkuri GP-6/2	21571				

		Pathra GP-8	25656			1	
		Banpura GP-7	23192				
		Siromoni GP-5	28079				
		Monidaha GP-3	20584				
<b>Total</b>		<b>5 Nos</b>	<b>119082</b>				
3.	Kharagpur I	Kalaikunda GP-IV	34188				
		Borkola GP-VII	33933				
<b>Total</b>		<b>2 Nos</b>	<b>68121</b>				
4.	Kharagpur II	3 No Lachmanpur	31605				
		5/1 Kaliara	17520				
<b>Total</b>		<b>2 Nos</b>	<b>49125</b>				
5.	Keshiary	Benadiha	6195				
		Nachipur	9354				
		Khajra	2105				
		Ghitagram	1348				
		Gaganeswar	1294				
<b>Total</b>		<b>5 Nos</b>	<b>20296</b>				
10.	Narayangarh	Khurshi GP-14	37145				
		Kushbasan	19090				
		Hemchandra	20852				
		Turanga	20197				
		Narayangarh	20389				
		Kashipur GP-7	23434				
		Bakhrabad GP-13	17103				
		11 No GP	13922				
<b>Total</b>		<b>8 Nos</b>	<b>172132</b>				
11.	Dantan I	GP1 (Alikosha)	15089				
		GP2 (Tararui)	21450				
		GP5 (Angua)	17724				
		GP9 (Dantan 11/9)	20963				
<b>Total</b>		<b>4 Nos</b>	<b>75225</b>				
12.	Dantan II	Shyamsundarpur	20844				
		Sabra maktab	25727				
<b>Total</b>		<b>2 Nos</b>	<b>46571</b>				

13.	Bagda Mohonpur	Siyalsai GP-2	21950				
14.	Debra	1 no Bhabanipur	42444				
		2 no Bharatpur	42047				
		3 no Satyapur	47760				
		7 no Malighati	38488				
		8 no Golgram	46947				
		9 no Lowada	48960				
		6 no Jalibanda	51537				
		10/1 Duan	26157				
		10/2 Duan	29103				
<b>Total</b>		<b>9 Nos</b>	<b>373442</b>				
15	Sabong	1no. Debhog	23708				
		2no. Malpar	17656				
		3no Danrra	22235				
		4no Dasgram	17990				
		5no Sartta	18923				
		6no Chaulkuri	17116				
		7no Narayanbarh	19912				
		8no Sabong	24747				
		9no Balpai	20157				
		10no Bhemua	20435				
		11no Mohar	27152				
		12no Bural	20654				
		13no Bishnupur	25333				
<b>Total</b>		<b>13 nos</b>	<b>276018</b>				
16.	Daspur-I	Narajole	31779				
		Rajnagar	28890				
		Nandanpur I	31640				
		Nandanpur II	29212				
		Sarberia I	28551				
		Sarberia II	32159				
<b>Total</b>		<b>6 Nos</b>	<b>182231</b>				
17.	Daspur-II	2no Kamalpur	19484				

		3no Ranichwak	11264				
		6no Benai	18154				
		10no Palaspai	14501				
		13no Jotghanashyam	23452				
		14no Dudhkumra	22610				
<b>Total</b>		<b>6 Nos</b>	<b>109465</b>				
18.	Ghatal	Sultanpur(1no)	23229				
		Dirghagram (3no)	16491				
		Mansuka2 (4no)	11329				
		Birsingha (5no)	25331				
		Mohonpur(6no)	30830				
		Dewanchak1 (7no)	17717				
		Dewanchak2 (8no)	16394				
		Ajabnagar1(9 No)	17728				
		Ajabnagar2 (10no)	15585				
		Manoharpur1(11no)	15559				
		Manoharpur2(11no)	13855				
		Irpala	13161				
<b>Total</b>		<b>12 Nos</b>	<b>217209</b>				
19.	Chandrakona-I	Mohanpur-I (5No)	13236				
		Mohanpur-II (6No)	13884				
		3no Mangrul	22128				
		4no Mainikundu	26420				
<b>Total</b>		<b>4 Nos</b>	<b>75668</b>				
20	Chandrakona – II	Bhagabantapur II	980				
		Basanchora	2098				
		Kuapur	300				
		Bandipur II	1869				
		Bandipur I	2000				
<b>Total</b>		<b>5 Nos</b>	<b>7247</b>				<b>8</b>
<b>21</b>	<b>Ghatal Municipality</b>	<b>13 ward</b>	<b>38000</b>				<b>4</b>

### Substitute place planned for health establishments likely to be affected

Sl No	Name of the Health establishment likely to be affected	Type of Health facility (DH/SD/SG/ RH/BPHC/ PHC	Alternative place where service delivery is planned to be shifted
1.	Dhalhara (Keshpur)	PHC	Dhalhara High School
2.	Pathra (Midnapur Sadar)	PHC	Panchayat office Pathra
3.	Barakalankai (Narayangarh)	PHC	Panchayat office Barakalankai
4.	Sabra (Dantan II)	PHC	Sabra High School
5.	Sonkhali (Daspur II)	BPHC	Soyla Primary School
6.	Khukurdaha (Daspur II)	PHC	Khukurdaha village
7.	Chaipat (Daspur II)	PHC	Uttarbarh Primary School
8	Nishintapur (Daspur II)	PHC	Nischintapur Village

## Planning and deployment of Human Resource during flood / disaster situation

Category	Present availability (number)			Manpower (10%) who can be deployed to other place*		
	MMCH	SD/SG	Block (include RH & BPHC)	DH	SD/SG	Block (include RH & BPHC)
Specialist	20	42	4	2	5	0
Medical Officer	11	20	151	1	2	15
Nursing Staff	76	180	484	7	18	48
MPHW	0	0	1351	0	0	135

## Requirement of Material-Drugs to treat population likely to be affected by flood/ disaster as on 01.02.2020

Bleaching powder			Halogen tablet			ORS packet		
Stock		Need	Stock		Need	Stock		Need
DRS	periphery		DRS	periphery		DRS	periphery	
7 Drum		400 bag	0		15,00,000	500770		2,10,000
Normal Saline			Ringer lactate			Injection AVS		
Stock		Need	Stock		Need	Stock		Need
DRS	periphery		DRS	periphery		DRS	periphery	
13,704		21,000	47,400		27,000	4,688 vial		10,000 vial

Norflox			Metronidazole		
Stock		Need	Stock		Need
DRS	periphery		DRS	periphery	
31,760			6,51,700		
Paracetamol		Phynyl		Mercurochrome Lot	
Stock		Need	Stock		Need
DRS	periphery		DRS	periphery	
6,51,700		0		337	



**Requirement of Material- Transport**  
**(to serve area & population likely to be affected by flood)**  
**(FOR 3 WEEKS)**

Motor Vehicles –

No. 21 Vehicle X 21 days (Approx)

Hiring charge – @ 3000/- per day = 13, 23,000

Boats-

No. 25 X 21 days (Approx)

Hiring charge – @ 1500/- per day = 7, 87,500

Others-

Type of vehicle-

1. Motor Bike

No – 50 X 14 days (Approx)

Hiring charge – @ 1000/- per day = 7, 00,000

2. Van Rikshaw

No – 25 X 7 days (Approx)

Hiring charge - @ 400/- per day = 70,000

3. Contingency 2, 50,000

4. Awareness, IEC Etc 2, 50,000

Total amount required as contingency cost: 33, 80,500

**(Thirty three Lakh eighty thousand & five hundred only)**

Fund requirement

• Drug equipment & supplies – Rs. 65,00,000.00

• Transport hiring charge - Rs. 3380500.00

• POL (District & Subdivision) - Rs. 4,50,000.00

• TA/DA (approx) - Rs. 3,00,000.00

• Specialist/MO- @ Rs. 200 per day

Nursing staffs- @ Rs.150 per day

MPHW- @Rs.150 per day

Training & Equipments (Rs.2 lakh/Unit) Rs.42, 00,000.00

Miscellaneous Rs. 2, 50,000.00

Total fund required Rs. 1, 50, 80,500.00

(One Corer fifty lacks eighty thousand& five hundred only)

Some Basic Point

- One Convergence Meeting between various line departments (mainly Fire, Police, Food, District Disaster Management).
- Team building & training for emergency rescue team at Block Level.
- Purchase of Some equipments for Emergency Life Support (BLS).
- GIS mapping system related with Disasters
- 24x7 control room

### Communication District Level

Activity	Name of Nodal Office	Mobile No	Alternate responsible officer (in absence of Nodal Officer)
Overall	CMOH	03222-275695 9434134956	Dy. CMOH - I
Reporting	Dy. CMOH II	03222-275854 9434205359	Dy. CMOH - I
Logistics (Drugs)	Dy. CMOH I	03222-276384 9775072018	Dy. CMOH - II
Logistics (Transport)	Dy. CMOH I & RHTO	9775072018 9434318627	Dy. CMOH - I
Intersectoral coordination	CMOH		Dy. CMOH - II
Media Management	CMOH		Nominated by CMOH

### Nodal Officers

Designation	Contact no and mail address
CMOH, Paschim Medinipur	9434134956, cmoh_mid_west@yahoo.co.in
Dy.CMOH-II,Paschim Medinipur & Control room in charge	9434205359, dy.cmoh2@gmail.com
ACMOH, Khagarpur	9434414761. acmohkgp@gmail.com
ACMOH, Ghatal	9932884326, acmohgtl@rediffmail.com
ACMOH, Midnapore Sadar	9434526899,acmoh.sadar.pas.med@gmail.com
Suptd. Ghatal SDH	9434028750
Suptd. Kharagpur SDH	8145528299

## 9.7 Action Plan for PUBLIC HEALTH ENGINEERING (CIVIL & MECHANICAL DIVISION)

The following measures are used to be taken by p.h.e.d. (civil & mechanical) in the district of paschim medinipur in the light of disaster management for the ensuing flood if required.

- 1) There is a mobile treatment unit (m.t.u.) (having capacity to produce 350 ml. And 500 ml. Water pouches @ 4000 nos. Per hour) under control of the executive engineer, midnapore mechanical division, phe dte. Where from water pouches can be supplied as per requirement throughout this district at flood affected areas in consultation with district administration.
- 2) Sinking of new India mark-ii tube wells at different flood affected areas are to taken up.
- 3) Repairing of tube wells in flood affected areas are to be taken up in exigency case as because usually it is taken up from block concerned.
- 4) Disinfection of tube wells in flood affected areas after receding of flood water in consultation with the concerned b.d.o. and the s.d.o. is to be made.
- 5) Restoration work of damaged / washed out pipelines of existing pipe water supply schemes (in case of flood) is to be taken up.
- 6) Supply of water by truck / vehicle mounted water tank at different vulnerable areas as desired by district Administration is to be taken up.
- 7) Opening of control room at divisional headquarter as per direction of departmental higher authority is to be taken up.

In this regard, active participation is followed by these liaison officers in this district as well as sub-divisional headquarters. The name of officials along with mobile no. Are as under:

Name & address of office	Name of liaison officials
A) District headquarter / Midnapore Sadar Sub-Division Narampur phe complex (ground floor), saratpally, midnapore, paschim medinipur, pin. – 721101.	I) Assistant engineer, Midnapore Sadar sub-division, phe dte. mobile no. 9007707299
	ii) Assistant engineer, Headquarter, midnapore division, phe dte. mobile no. 8967328632
	iii) Junior engineer, Midnapore sadar sub-division, phe dte. mobile no. 9434119345
B) Ghatal Sub-Division konnagarh, ghatal, paschim medinipur.	Assistant engineer, Ghatal Sub-Division, PHE dte. mobile no. 9433487686
	ii) Junior Engineer, Ghatal Sub-Division, PHE dte. mobile no. 9732597683
C) Kharagpur Sub-Division Inda, kharagpur, paschim medinipur.	Assistant engineer, Kharagpur Sub-Division, PHE dte. mobile no. 9800809163
	Junior Engineer, Kharagpur Sub-Division, PHE dte. mobile no. 9434128453

## 9.8 Action Plan for ANIMAL RESOURCE DEVELOPMENT DEPARTMENT

### A) IDENTIFICATION OF AREA.

On the basis of past experience and geographical location as many as 21 nos block, in four Sectors have been identified as flood prone areas and 8 blocks as draught prone area in Paschim Medinipur.

#### FLOOD PRONE AREA:

##### Midnapur (Sub-Division)

Midnapur Sector : 1) Midnapur (Sadar), 2) Keshpur, 3) Garhbeta-I, 4) Salboni, 5) Garheta-II, 6) Garhbeta-III.

##### Kharagpur (Sub Division)

Debra Sector: 1) Debra, 2) Pingla, 3) Sabong, 4) Kharagpur-II

Narayangarh Sector: 1) Narayangarh, 2) Dantan-I, 3) Keshiary, 4) Kharagpur-I, 5) Mohanpur, 6) Dantan-II

##### Ghatal (Sub Division)

Ghatal Sector : 1) Ghatal, 2) Chandrakona-I, 3) Chandrakona-II 4) Daspur-I, 5) Daspur-II.

### B) CONTROL ROOM

Like previous year, disaster control room will be set up in different levels, the District Head Quarter, Sector and Block Head Quarters. The control room will be opened when required/as per instruction of district authority.

The following officers will remain In-Charge of the control room at different levels.

<b><u>DISTRICT CONTROL ROOM</u></b>	
IN-CHARGE	Dr. Tushar Kanti Samanta, Deputy Director, ARD & PO, Paschim Medinipur Phone No. 275729/275951(03222)/9331275535/9433117020
DISTRICT CONTROL TEAM	1) Dr. Debrup Roy, District Veterinary Officer, Paschim Medinipur Mob: 8101914575/9474634087
	2) Dr Tarani Kanta Bera, Asst. Director, ARD, Mob: 7604010582/9732418110
	3) Dr. Swadesh Kumar Jana, Asst. Director, ARD(Vety) Central Medical Store Mob: 8170057671
	4) Dr. Kushal Das, DEO, PBGSBS, Midnapur Mob: 7604010058 / 9434507331
	5) Sri Amitava Chakraborty AD(Admin) 9477177875
	6) Dr. Satyendranath Das, Asst. Director, ARD(VR&I):P.D.D.Lab Garhbeta: 9733034233
	7) Sri SAMik Pal, Asst Dir. ARD(VR&I) Medinipur, Mob -9433460296
	8) Sri Bapi Mahata, Peon Mob-7602132249
	9) Sri. Dharma Murmu, Peon: 7407902628
	10) Malayesh Mahanta, Peon Mob: 9474756801
	11) Sri. Kishore Kr. Ghosh, Lab Attendant: 9674620625

For effective mitigation Hardship due to natural calamities, 21 blocks have been divided into 5 sectors as follows:

<b><u>SECTOR CONTROL MIDNAPUR SECTOR</u></b>	
IN-CHARGE	Dr. Sahadeb Sahoo Veterinary Officer, SAHC, Midnapur, Mob: 9474179367
Sector Team At. S.A.H.C. Midnapur Paschim Medinipur	1) Sri Kamal Bera, Vety. Pharmacist ,SAHC, Midnapur, Mob: 9932547711
	2) Sri Tarak nath Das, Gr-D, at SAHC, Midnapur Sadar

<b><u>SECTOR CONTROL DEBRA SECTOR</u></b>	
1. Derbra, 2. Pingla, 3. Sabong, 4. Kharagpur-II	
IN-CHARGE	Dr. Santidev Bishyay, Veterinary Officer, SAHC, Kharagpur, Mob: 9434241898
Sector Team At. Office of the BLDO, Debra Paschim Medinipur	1) Sri Nityalal Shee, Vety. Pharmacist, BAHC, Kharagpur:9836548587
	2) Sri Durbadal Jana, Peon, BLDO, Debra, Mob-9735375220
<b><u>SECTOR CONTROL NARAYANGARH SECTOR</u></b>	
1. Narayangarh, 2. Dantan-I, 3. Dantan-II, 4. Kharagpur-I, 5. Mohonpur, 6. Keshiary	
IN-CHARGE	Dr. Susmita Gon, Veterinary Officer, SAHC Belda, mob: 9474406183
Sector Team At. Office of the BLDO, Narayangarh Paschim Medinipur	1) Sri Punyabrata Bal, Vety. Pharmacist, SAHC, Belda, Mob: 8436828434
	2) Sri Santosh Gon, Veterinary Officer, SAHC Belda, Mob: 8436828434
<b><u>SECTOR CONTROL GHATAL SECTOR</u></b>	
1. Ghatal, 2. Chandrakona-I, 3. Chandrakona-II, 3. Daspur-I, Daspur-II	
IN-CHARGE	Dr. Sujit Kumar Patra, Veterinary Officer, SAHC, Ghatal, Paschim Medinipur. Mob: 9932235047
Sector Team At. Office of the SAHC Ghatal Paschim Medinipur	1) Dr. Jayanta Chowdhury, Veterinary Officer, SAHC, Khirpai. Mob: 9432270320
	2) Sri Tushar Ranjan Adhikary, Vety. Pharmacist, Mob: 9474424125
	3) Sri Avijit Ganguly, Peon BLDO Chandrakona-I, 9732686955
<b><u>BLOCK CONTROL ROOM (OFFICE OF THE RESPECTIVE BLDO)</u></b>	
IN-CHARGE	Respective BLDO
Block Team At. Office of the Respective BLDOs of Paschim Medinipur	Respective Veterinary Officer of BAHC and ABAHC, LDA & Prani Bandhu and Prani Mitra at Gram Panchayet level will Assist the Block Livestock Dev. Officer.

The District level control team will keep an adequate stock of vaccines and medicines and effect supply of those materials to the flood/draught prone Block immediately after declaration. Advance vaccination will be done in the endemic zone only of flood prone area. The team will arrange for quick diagnosis and effecting control measures against epidemic in affected areas. The team will be responsible for collection compilation and submission of daily/weekly report of the flood affected area to the District Head Qtrs.

The officer-in-Charge of respective sector will supervise the Vety. Relief work and maintain liaison with the sub-Divisional Officer and District Control Room.

The Block Control Team under the supervision of BLDO will render Vety. Aid and Relief measures to the affected areas with the consultation with the Panchayet Authorities and submit daily/weekly report to the sector-in-Charge for onwards transmission to the District Control room through the sector-in-charge. They will assess the actual loss of Livestock and requirement of Feed and fodder, medicines and vaccines and personnel if required and incorporate the sum the daily/weekly report for arranging supply from District Head Quarters.

Above mentioned Officers and staff attached to the Units directly, related to the Vet. Reliefs like SAHC/CMS/Laboratory are requested not to leave their Head quarters without prior permission of the undersigned at the onset of any natural calamities.

Necessary paddy straw will be procured from Block Seed Farms of Agril. Directorate. Green Fodder will be available from composite State Animal Husbandry Farm, Salboni. Required concentrate feed will be procured from EPIC Feed Plant, Salboni after getting fund from this Directorate and necessary approval from District Magistrate, Paschim Medinipur. Sufficient vaccines and medicines are in the stock of the District.

## Contact Details of Control Room

Sl No.	Office/Designation	Contact No.	Longitude (N)	Latitude (E)
1	<b>DD ARD &amp; PO Midnapur</b>	03222-275729/7604010039	22.4209	87.3261
2	<b>SDPF Midnapore</b>	03222-275839/9474444738	22.4209	87.3261
3	<b>CMS Midnapore</b>	9434209258	22.4209	87.3261
4	BLDO, Midnapur(Sadar)	7604010605 / 9434036124	22.448292	87.37194
5	BLDO, Salboni	7604010611 / 7407449683	22° 38.35'	87° 19.9'
6	BLDO, Keshpur	7604010602/ 9434206937	22° 33' 19.5"	87° 27' 47.9"
7	BLDO, Garhbeta-I	7604010593 /9474758512	22° 51' 15.4"	087° 20' 52.1"
8	BLDO, Garhbeta-II	7604010594 / 8768735915	22.27869	87.70992
9	BLDO, Garhbeta-III	7604010595 / 9434810535	22° 44' 00.7"	87° 20' 09.6"
10	BLDO, Kharagpur-I	7604010603 / 8637550381	22° 22' 28"	87° 20' 34.2"
11	BLDO, Kharagpur-II	7604010604 / 9474647828	22° 22' 18.9"	87° 26' 21.5"
12	BLDO, Debra	7604010592 / 9002311392	22° 22' 12.3"	87° 33' 24.4"
13	BLDO, Pingla	7604010609 / 9434835065	22 17 3.5	87 35 8.3
14	BLDO, Sabong	7604010610 / 8967873729	22° 10' 26.4"	087° 35' 36.5"
15	BLDO, Narayangarh	7604010607 / 9434415321	22.07	87.34
16	BLDO, Dantan-I	7604010588 / 9434207172	21° 55' 12.5"	87° 16' 20.2"
17	BLDO, Dantan-II	7604010589 / 9800132106	22° 0' 41.8176"	087° 25' 6.5136"
18	BLDO, Keshiary	7604010601 / 9434319038	22° 07' 12.63"	87° 14' 4.05"
19	BLDO, Mohanpur	7604010606 / 9434219953	21° 50' 29.0"	87° 25' 03.9"
20	BLDO, Ghatal	7604010596 / 9432104268	22.4014	87.4142
21	BLDO, Daspur-I	7604010590 / 9475773114	22° 36' 35.0"	87° 43' 17.8"
22	BLDO, Daspur-II	7604010591 / 9477290338	22.553194	87.766361
23	BLDO, Chandrakona-I	7604010586 / 9932691588	22° 42' 50.4"	87° 36' 39.6"
24	BLDO, Chandrakona-II	7604010587 / 9434692202	22.734893	87.512994

## INFORMATION REGARDING PREPAREDNESS FOR FLOOD, CYCLONE ETC 2018 OF ANIMAL RESOURCES DEVELOPMENT DEPARTMENT OF PASCHIM MEDINIPUR

### 1. Animal Population with categories (As per 19 th Livestock Census )

Cattle	Buffalo	Sheep	Goat	Pig	Backyard & Organized Poultry	Duck
1779591	38992	33585	894473	84894	4376193	387634

### 2. Dealer of Feeds/Fodder

**Feeds:** EPIC West Bengal Dairy, & Poultry Dev. Corp., Salboni Feed Plant, Salboni, Paschim Medinipur.

**Fodder:** Composite State Animal Husbandry Farm, Salboni, Paschim Medinipur. Ph. No. 03227-285257

3) List of Cow Sheds :

Not available

4) Site camps with volunteers:

There are no volunteers for site camp.

- 5) Programme for mass vaccination: Sufficient vaccine available with the BLDO of the respective blocks. Programmes for vaccination will be taken within short notice.
- 6) Train the taskforce in respect of : Block Livestock Dev. Officer, Vety Officer, use of Medicine Pharmacist, LDAs & Prani bandhus and Prani. Mitras are there who are trained on use of medicine. So there is no necessity for further training of the taskforce in respect of use of medicine. District level, Sector level and Block level team were already formed in respect of animal health coverage.
- 7) Disposal of carcass : Engagement of team of Civil defense/Organization/Panchayat bodies/Doom may be done with the financial support from the general Administration & technical guidance of ARD deptt.
- 8) Possible problems related to different hazards (Bottlenecks)
- i) The Block Livestock Dev. Officer, (the Head of the department of the block/ DDO) has no bank account.
  - ii) The maximum post of Livestock Dev. Assistant (the GP level employee), UDC, LDC, Vety. Field Supervisor & Vety. Pharmacist under Block Livestock Dev. Officer are lying vacant

## 9.9 Action Plan for AGRICULTURE DEPARTMENT

Paschim Medinipur District is located in the southern part of West Bengal between 22°57'10" and 21°36'35" North latitude and between 88°12'40" and 86°33'50" East longitude. The geographical area of the District is 611694 ha. It is bounded by Bankura District in Northern side; Hooghly and Howrah in the North-Eastern side, Purba Medinipur District in the Eastern & South-Eastern side, and newly emerged Jhargram District in the Western and Southern side.

The District comprises of 3 Sub-divisions – Medinipur Sadar (6 Blocks), Kharagpur (10 Blocks), & Ghatal (5 Blocks). More than 75 % of the total population lives in rural areas of the District & Economy depends on Integrated Agriculture & small scale industries.

The District possesses diversified ecosystem having different vegetation, Soil types, Climatology & Geomorphology. The important rivers like the Kangsabati, the Silabati, the Subarnarekha, the Dulang, the Tamal, the Darakeswar the Keleghai & their tributaries flow through the District & enrich the cropping system by depositing fertile loam or sandy loam Soil during rainy season.

The major crops grown in the District are Aus, Aman & Boro paddy, Wheat, Potato, Mustard, Til, Groundnut, Vegetables, Pulses, Watermelon, Maize, Sugarcane, Jute, Betel leaves & Matstick etc.

Net cropped area of the District is about 426760 ha. Gross cropped area 825871 ha having 193.52 % cropping intensity. The District faces heavy rainfall, hailstorm, both flood & drought and sometimes one is followed by another in a same year. Ghatal and part of Kharagpur sub-division have flood prone areas of about 142647 ha. As well as Medinipur Sadar sub-division and part of Kharagpur sub-division have drought prone area of about 107093 ha. The Long Term Average rainfall of last 31 years is 1525.1 mm but it is the experience of the people that the District faces scattered & uneven distribution of rainfall almost in every year & the monsoon showers come always in late.

Disaster Management is a strategy which is implemented when any types of catastrophic event takes place. The Disaster Management plans in Agricultural sector means the contingent crop planning in Kharif crops during Kharif season to meet the unforeseen contingencies like flood, drought etc. during the growing season of crops.

Agriculture largely depends on nature & contingent crop planning is an integral part of agricultural production planning. The objective of the contingency crop planning is to provide ways & means to tackle the situation due to flood or drought or any other natural calamity.

To combat the situation whatever it may arise due to flood or drought the following action plan is to be adopted:

### **To overcome the adverse effect of Flood**

Actions to be taken by farmers:

1. Staggered sowing of paddy seed in seed bed at 10 days interval.
2. A place of higher elevation to be chosen for raised seed bed.
3. To reduce the detrimental effect of sand deposition in cultivated land, sufficient organic matter is to be applied.
4. If sand deposition is high, it is to be removed manually or mechanically.
5. Where there is no time for rice cultivation-
  - a) Kalai (Variety-Sarada, Goutam, Sulata etc.) may be grown in the post-Kharif season.
  - b) Toria, yellow sarson, lentil, gram, mustard & sunflower etc. may be grown early in the Rabi season.

### **To overcome the adverse effect of Drought**

A. Actions to be taken by the departmental officers –

- a) Joint monitoring by District level officers of the department of Agriculture, Irrigation & Waterways and WRI&D to be done to look into the real situation and to find out the ways for supplying Irrigation water from all Irrigation sources and ensuring it at grass root level in the blocks.
- b) Water harvesting structures like pond, dugwell etc. to be excavated for storing rain water by various departments.

B. Actions to be taken by the farmers:

- a) For harvesting rain or runoff water, earthen bunds are to be constructed around the individual plot.
- b) Application of organic manure to increase the water holding capacity of the soil.
- c) Community nursery seed bed of rice is to be done near a water source at least a month before normal seed bed preparation.
- d) Staggered sowing of rice seed in seed bed at 10 days interval.
- e) Closer spacing with higher number of seedlings per hill are to be practiced.
- f) Direct seeding of rice through zero/minimal tillage machine.
- g) Cultivation of arhar, blackgram, groundnut & maize or mixed cropping of maize & arhar in high lands.
- h) Mechanical weeding in rice field & use the uprooted biomass of weeds as soil mulch or use other mulching materials like straw in rice field.
- i) Not to apply Nitrogenous fertilizer in the soil to restrict weed growth. Foliar spray of Urea or DAP @ 1-2% may be applied at critical growth stages of the crop.

### **Measures to be taken by the Agriculture department through Govt. schemes:**

**A. Paddy minikit – short to medium duration paddy varieties are to be distributed with free of cost.**

1. Aman Paddy minikit – 200000 nos. at 10kg-----4000 ha area under seed bed/ 40000 ha area under transplanting.
2. Boro paddy minikit – 200000 nos at 10kg-----4000 ha area under seed bed/ 40000 ha area under transplanting.

**B. Fertiliser minikit:**

1. For Aman paddy minikit – 200000 nos. at 10kg NPK 10:26:26
2. For Boro paddy minikit - 200000 nos. at 10kg NPK 10:26:26



**C. Seed treating chemical(Like Bavistin/Tricyclazole/Mancozeb etc. fungicide)**

1. For Aman Season – 200000 nos. chemical kit at 100gm.
2. For Boroseason - 200000 nos.chemical kit at 100gm.

**D. Insecticide to control pest:**

1. For Aman Season – 200000 nos. chemical kit at 100gm. Or 100ml
2. For Boro season - 200000 nos.chemical kit at 100gm. Or 100ml

**E. Growth regulator:**

200000 unit - n-Tricentanol at 100ml. each. - 40000ha

**F. Paddy Seed bed to be grown in Govt. Farms (Kharif) that are to be distributed free of cost in case of natural disaster.**

Sl. No.	Name of Farm	Area under seed bed(acre)
1	DSF, Midnapore	1
2	JSMF, Goaltore	1
3	SARF, Garhbeta-II	1
4	BSF, Garhbeta-I	1
5	BSF, Keshpur	1
6	SARF, Khirpai	1
7	SARF, Pingla	1
8	BSF, Sabang	1
9	JMF, Keshiary	1
10	BSF, Narayangarh	1
<b>District Total</b>		<b>10</b>

**G. Motivation of growing additional seed bed in different blocks ( if needed for weather abnormalities)**

Sl. No	Name of Blocks	Number of farmers to be motivated	Additional area under seedbed (dec.) at 10dec. per farmer	Transplanted area to be covered (ha.)
1	Medinipur Sadar	500	5000	200
2	Salboni	500	5000	200
3	Keshpur	500	5000	200
4	Garhbet -I	500	5000	200
5	Garhbeta-II	500	5000	200
6	Garhbeta-III	500	5000	200
7	Kharagpur-I	500	5000	200
8	Kharagpur-II	500	5000	200
9	Sabang	500	5000	200
10	Pingla	500	5000	200
11	Debra	500	5000	200
12	Narayangarh	500	5000	200
13	Dantan-I	500	5000	200
14	Dantan-II	500	5000	200

15	Mohanpur	500	5000	200
16	Keshiary	500	5000	200
17	Ghatal	500	5000	200
18	Chandrakona-I	500	5000	200
19	Chandrakona-II	500	5000	200
20	Daspur-I	500	5000	200
21	Daspur-II	500	5000	200
District Total		10500	10500	4200

#### H. Storing of paddy straw in different Govt. Farms for cattlefeed

Sl. No.	Name of Farm	Total quantity of paddy straw (Qtl.)
1	DSF, Midnapore	10
2	JSMF, Goaltore	10
3	SARF, Garhbeta-II	10
4	BSF, Garhbeta-I	10
5	BSF, Keshpur	10
6	SARF, Khirpai	10
7	SARF, Pingla	10
8	BSF, Sabang	10
9	JMF, Keshiary	10
10	BSF, Narayangarh	10
<b>District Total</b>		<b>100</b>

#### I. Other seed kits to be distributed under natural disaster

Sl. No.	Name of seed kit	Nos.	Area covered (ha.)
1	Mustard	100000 at 1kg each	14000
2	Khesari	50000 at 4kg each	6500
3	Lentil	3000 at 4kg each	1200
4	Wheat	30000 at 4kg each	4000
5	Ground nut	30000 at 15kg each	4500
6	Potato	200000 at 50kg each	4000
7	Maize	30000 at 4kg each	6000
8	Moong	30000 at 4kg each	4000
9	Kalai	30000 at 4kg each	4000
10	Til	100000 at 1kg each	14000

This is in short the contingency crop planning which will be adopted during the year 2019

We do expect that the department of Agriculture, Govt. of West Bengal will be in a position to tackle the situation arises due to natural disaster in the District.

## 9.10 Action Plan for AGRI-MECHANICAL DIVISION:

Midnapore (Agri- Mech) division, Paschim Medinipur is looking after the running and maintenance of 284 nos. Govt. owned and operated River Lift Irrigation Schemes and 169 nos. of Handed over River Lift Irrigation (RLI) Schemes. Out of these 284nos. R.L.I Schemes, 84nos. are electrically operated and the remaining 200 nos. R.L.I Schemes are diesel operated. The Total cultivable command area of all these R.L.I Schemes is to the tune of 26,000 Ha (approximately) and the potential created due to installation of these schemes is approximately 60,000 Ha yearly.

As the discharge capacity of the diesel pump sets is reduced from the rated capacity due to their (20-25 years) ages resulting in less coverage of irrigation by the old and inefficient diesel pumping sets, the WRID Department started to convert all the diesel operated RLI Schemes to the electrically operated one. The proposed conversion/renovation of 1 no such diesel operated R.L.I Schemes will create an opportunity to bring back nearly 100-120% of the cultivable command area under assured irrigation. The conversion will facilitate easier operation and maintenance of the pumping sets, and will have beneficial effect on the environment besides avoidance of the hazards involved in the carriage & storage of highly inflammable H.S.D and lube oil required for the operation of diesel engine pumping sets.

**Existing Structures: -** RLI Structures (Govt Owned) are as follows:-

Sl. No.	Type of structure	Nos.	Name of Block	CCA in Ha	Remarks
1	Major RLI	21	Midnapore Sadar	1260	
2	Major RLI	7	Salboni	420	
3	Major RLI	8	Garbeta-I	480	
4	Major RLI	5	Garbeta-II	300	
5	Major RLI	3	Garbeta-III	180	
6	Major RLI	17	Keshpur	1020	
7	Major RLI	16	Debra	960	
8	Major RLI	7	Khargpur-I	420	
9	Major RLI	7	Kharagpur-II	420	
10	Major RLI	7	Keshiary	420	
11	Major RLI	10	Narayangarh	600	
12	Major RLI	9	Sabong	540	
13	Major RLI	7	Dantan-I	420	

**RLI Structures (Handed Over) are as follows:-**

Sl.No.	Type of structure	Nos.			Name of Block	CCA in Ha	Remarks
		Major	Midi	Mini			
1	RLI	9	6	4	Midnapur Sadar	860	
2	RLI	9	1	1	Keshpur	600	
3	RLI	4	2	0	Garbeta-1	320	
4	RLI	4	0	0	Garbeta-II	240	
5	RLI	2	0	0	Garhbeta- III	120	
6	RLI	12	1	0	Debra	760	
7	RLI	8	3	0	Salboni	600	
8	RLI	3	0	1	Kharagpur-I	200	
9	RLI	4	1	0	Kharagpur-II	280	
10	RLI	3	0	1	Narayangarh	200	
11	RLI	0	2	12	Sabong	280	
12	RLI	3	0	0	Keshiary	180	
13	RLI	1	3	3	Dantan-I	240	

**Ongoing Schemes:-**

Sl.No.	Type of structure	Nos.			Name of Block	CCA in Ha	Remarks
		Major	Midi	Mini			
1	RLI	91	36	9	Different blocks of Paschim Midnapore except Ghatal S/Divn	7080	

**Plan for Management:-**

1) As all the RLI Schemes (Govt. Owned) are operated by the Operator cum Mechanic (OCM)/Assistant Operator (A.O.) who are posted in the above noted blocks under the BDOs of the District can be utilized for any disaster like situation.

2) The 4 nos. Assistant Engineer (AM)/ (AE) of 4 nos. Sub Division and the Executive Engineer (AM) Midnapore (AM) Division can be contacted for the disaster management. Their Phone Nos. are as follows:-

Designation	Phone nos.
Assistant Engineer(AM) Jhargram-I(AM) Sub Division	03221 255163
Assistant Engineer(AM) Jhargram-II(AM) Sub Division	03221 255163
Assistant Engineer(AM) Midnapore (AM) Sub Division	03222 275579
Assistant Engineer(AE) KharagpurI(AE) Sub Division	03221 275579
Executive Engineer(AM) Midnapore (AM) Division	03222 275765 / (M) 9830220128

**9.11 Action Plan for AGRI-IRRIGATION**

Minor Irrigation plays a vital role in the agricultural development of the state. Both surfaces as well as ground water are being harnessed for implementation of M.I.Schemes in various parts of state. However, surface water is more significant in those parts where ground water availability is less favourable.

A considerable number of Tube Well and surface flow irrigation schemes are in operation under Midnapore (A-I) division of water Resources Development Directorate. There are three sub-divisions under the division covering 16 (Sixteen) no. of blocks of Paschim Medinipur District. The Sub-divisional offices are located in Midnapore and Belda.

**Location of sub-Division offices:**

- Office of the Assistant Engineer (A-I) Midnapore (A-I) sub-division, Narampur (Near District Jugges' Court), Post- Midnapore and Distt. Paschim Medinipur ph. No. 275465.
- Office of the Assistant Engineer (A-I) Belda (A-I) Sub-division, Belda, Post- Belda, Dist. – Paschim Medinipur. Ph. No.03229-255264.

Designation	Contact details
Excutive Engineer, Agri-Irrigation, Paschim Medinipur	8584807922, 9434455373 03222-275465
Asstt. Engineer, Belda (A-I) Sub-division	03229-255264
Asstt. Engineer Midnapore (A-I) sub-division (officiating)	03222-275465

**Measures to be taken for prevention of damages in Minor Irrigation Installations:-**

- Since most of the schemes are electrically operated, during pre-monsoon cyclone etc. necessary alertness to be ensured for causing temporary disconnection of power supply to the schemes to prevent loss of life by electrical short circuit etc.

2. Pre-Monsoon cyclonic damages of command area should also be prevented which may ultimately cause damages to different spout chamber, Distribution chamber, existing Pipe line etc.

**Details of Schemes:**

Sl. No.	Block	Schemes installed			
		DTW	HDTW	Total	MDTW
1	2	3a	3b	3 (a+b)	3c
1.	Midnapur Sadar	4		4	6
2.	Debra	3	3	6	1
3.	Salboni	-	-	-	6
4.	Garhbeta-I	6	-	6	11
5.	Garhbeta-II	3	1	4	7
6.	Garhbeta-III	1	-	1	9
7.	Keshpur	11	6	17	12
8.	Dantan-I	4	15	19	5
9.	Dantan-II	4	7	11	5
10.	Narayangarh	16	12	28	6
11.	Mohanpur	3	7	10	4
12.	Sabong	4	10	14	-
13.	Pingla	4	10	14	1
14.	Keshiary	3	1	4	4
15.	Kharagpur-I	4	-	4	2
16.	Kharagpur-II	4	2	6	-
<b>Total</b>		<b>74</b>	<b>74</b>	<b>148</b>	<b>79</b>

**RIVER GAUGE STATIONS SHOWING PDL, DL & EDL ETC.**

[All figures are in Metric system with reference to GTS Datum (except Sl.22)]

Sl. No	Name of the River and Canal	Name of the Gauge Station	P.D.L	D.L.	E.D.L.	Highest level recorded (Gauge Read) in Mtr.	
1	Rupnarayan	Bandar (Ghatal)	6.24	6.85	7.46	9.47	28.9.78
2	Rupnarayan	Ranichak (Daspur)	4.72	5.33	5.94	9.14	28.9.78
3	Rupnarayan	Gopiganj (Daspur)	4.42	5.03	5.64	8.41	29.9.78
4	Silabati	Banka (Ckona-II)	14.47	15.08	15.69	16.34	11.8.93
5	Silabati	Gadighat(Ghatal)	8.88	8.99	9.60	11.12	2.9.78
6	Cossye	Mohanpur(Kgp-I)	25.45	25.75	26.36	29.62	2.9.78
7	<b>COSSYE</b>	Kapastikri(Ksp)	15.39	16.00	16.61	17.88	2.9.78
8	Old Cossye	Kalmijore(Daspur)	8.68	9.29	9.90	11.12	1999
9	Subarnarekha	Dharampur Gopi	46.26	46.87	47.40	47.48	1973
10	Keleghai	Bakhrabad	7.95	8.40	8.85	12.00	8.8.99
11	Keleghai	Dehati	5.95	6.95	7.00	9.00	15.9.05
12	Kapaleswari	Narayanbarh	4.72	5.33	5.94	6.83	23.10.05
13	Keleghai	Amgachia	5.18	5.79	6.40		
14	Keleghai	Asnaghat	3.96	4.42	4.72		
15	Keleghai	Kalimandap	4.40	5.00	5.33	4.99	24.10.05
16	Chandia	Barisha	4.11	4.57	5.03		
17	Subarnarekha	Sonakonia	15.54	16.15	16.76		
18	Kangsabati Dam.	134.112 F.R.L.	132.88	132.92	134.11		

Ground water schemes of this department are relevant for post flood restoration work during 'Rabi season' in the event of flood.

## 9.12 ACTION PLAN OF CIVIL DEFENCE DEPARTMENT

### 1. No. of Civil Defence Volunteers / Trained CD personnel of different Blocks / Municipalities under Paschim Medinipur District :

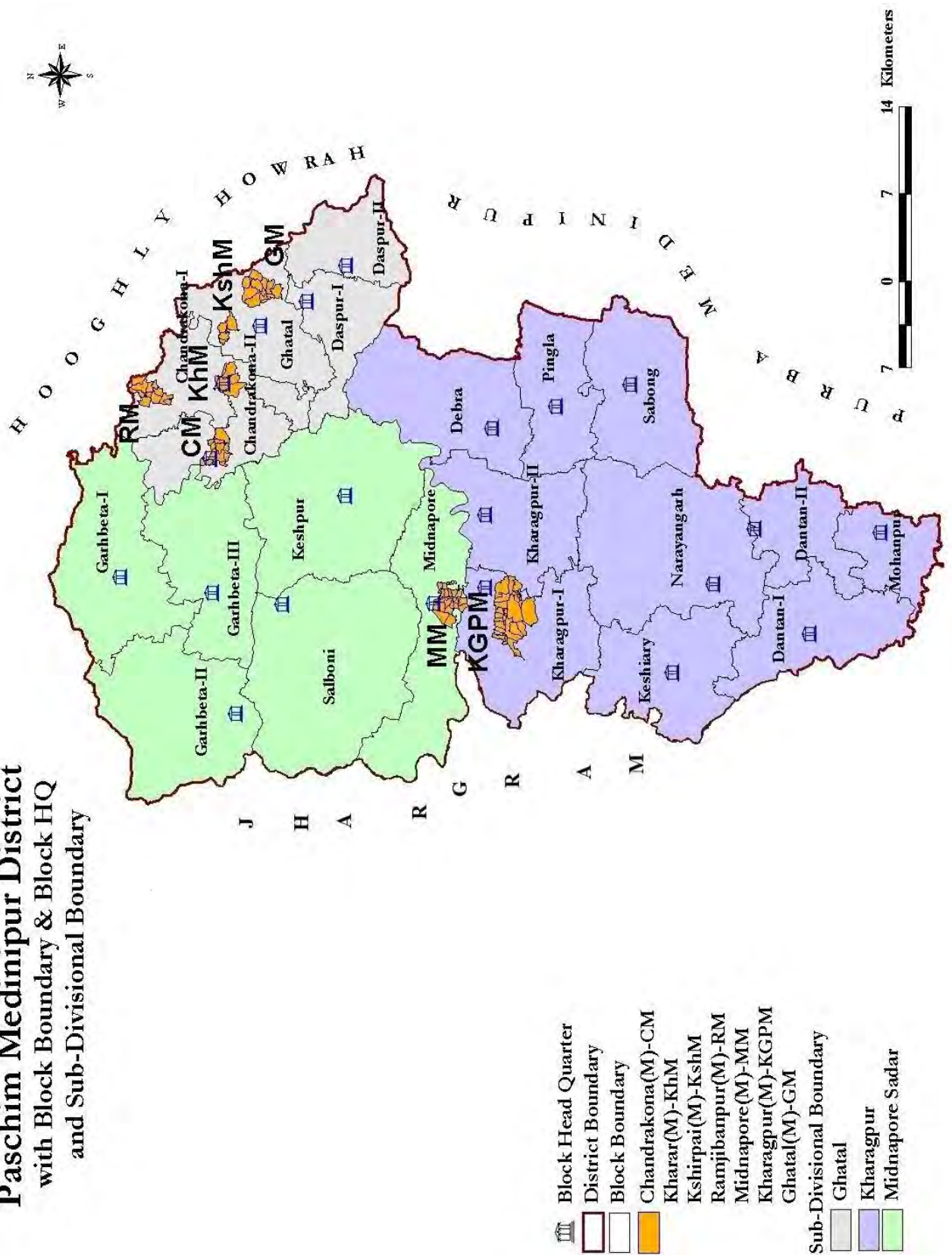
Sl. No.		Name of the Blocks / Municipality	Name of CD Volunteers / Trained CD Personnel
1.		Debra	264
2.		Pingla	64
3.		Keshiary	251
4.		Dantan-I	58
5.		Dantan-II	17
6.		Narayangarh	15
7.		Mohanpur	12
8.		Sabong	157
9.		Kharagpur-I	373
10.		Kharagpur-II	169
11.		Salboni	72
12.		Keshpur	33
13.		Garhbeta-I	68
14.		Garhbeta-II	18
15.		Garhbeta-III	34
16.		Midnapore Sadar Block	286
17.		Chandrakona-I	25
18.		Chandrokona-II	23
19.		Ghatal	30
20.		Daspur-I	22
21.		Daspur-II	20
		<b>Total</b>	<b>2011</b>

1.	Paschim Medinipur	QRT Trainees	156
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### 2. Reserve boat with Civil Defence:

Civil Defence, Kharagpur	4 no. OBM (INS)
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# **Paschim Medinipur District** with Block Boundary & Block HQ and Sub-Divisional Boundary





## (RIVERS, DRAINAGE &amp; FLOOD PRONE BLOCKS)



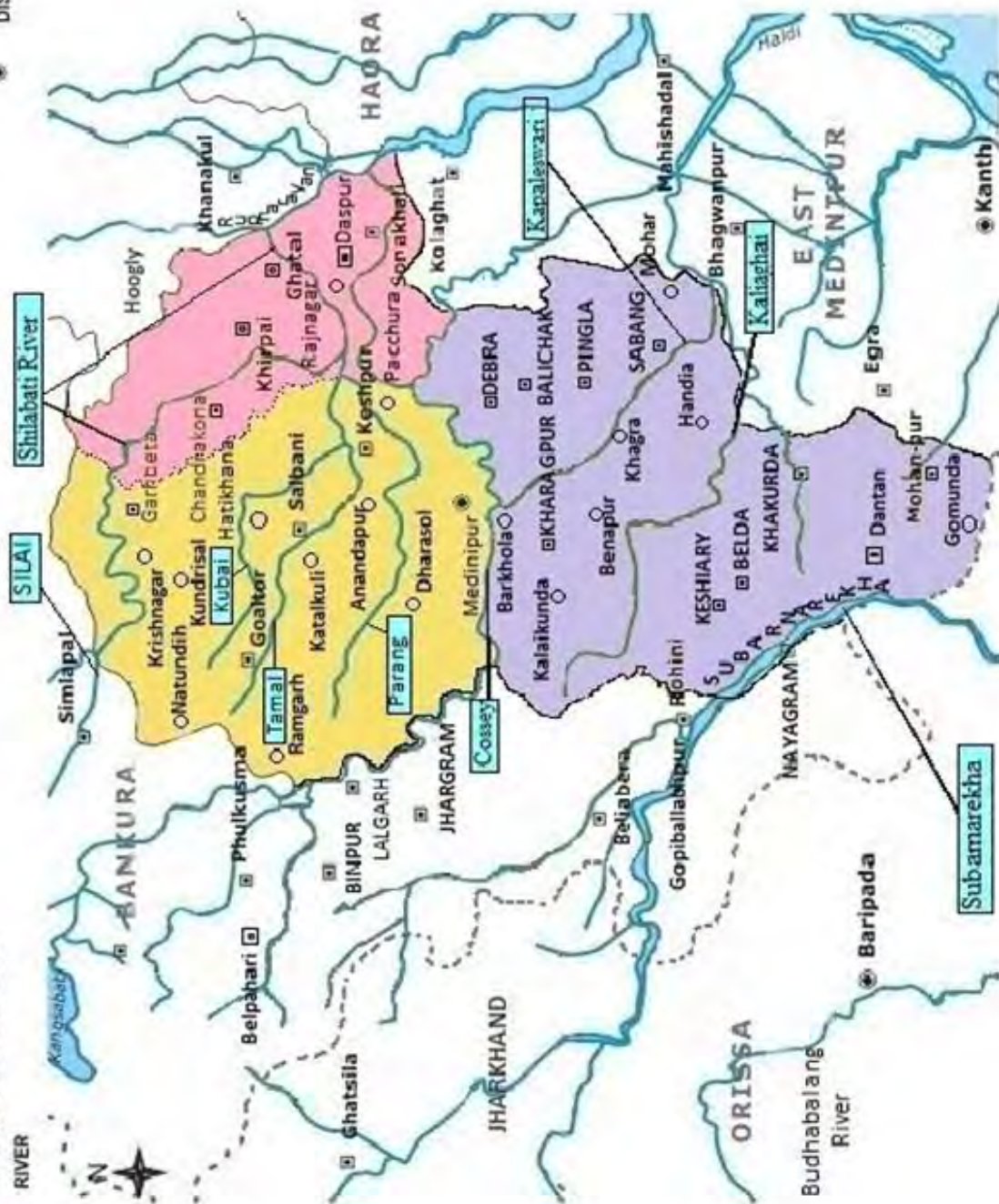
NRDMS GIS CENTRE  
Office of the District Magistrate  
Paschim Medinipur

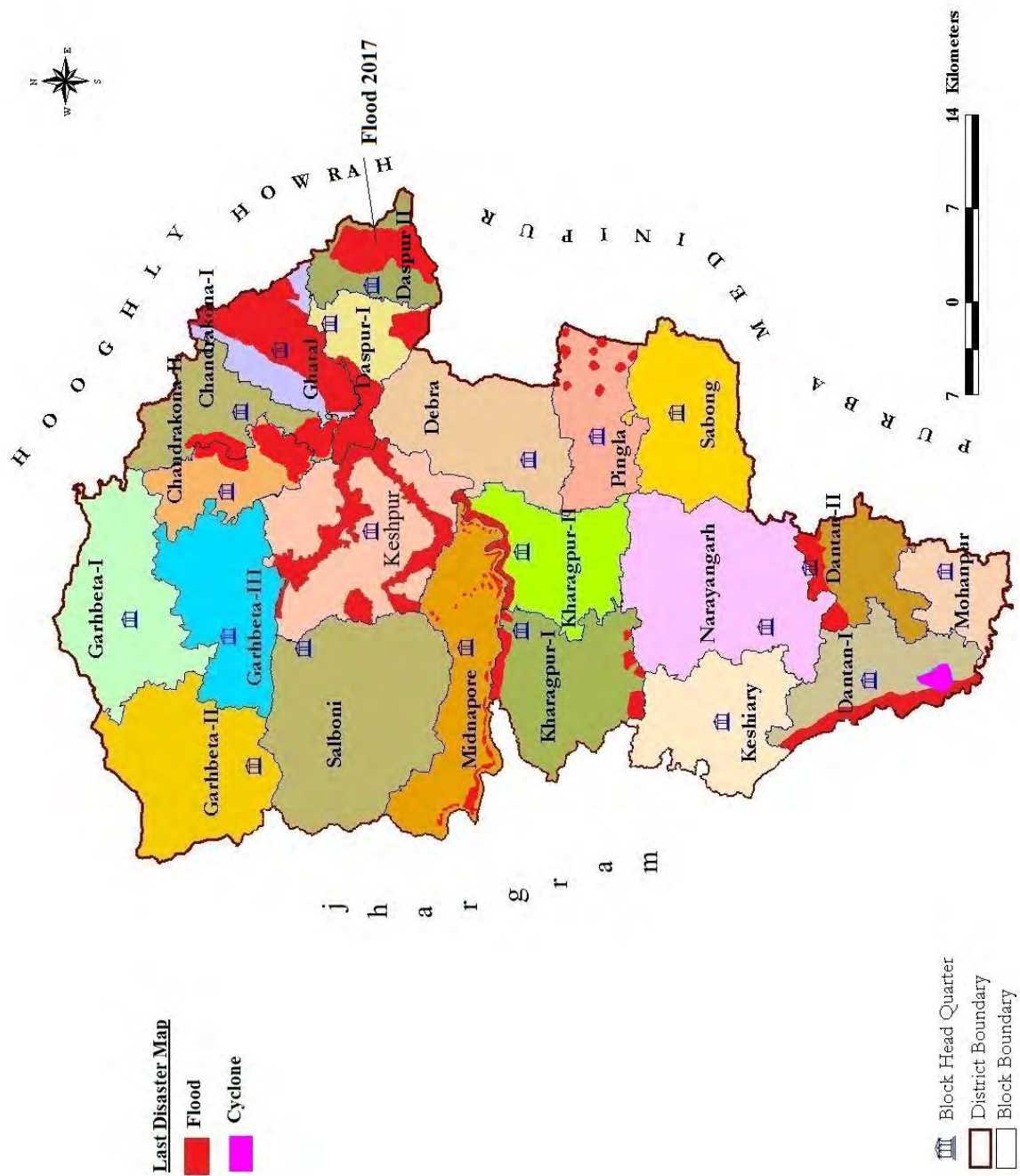


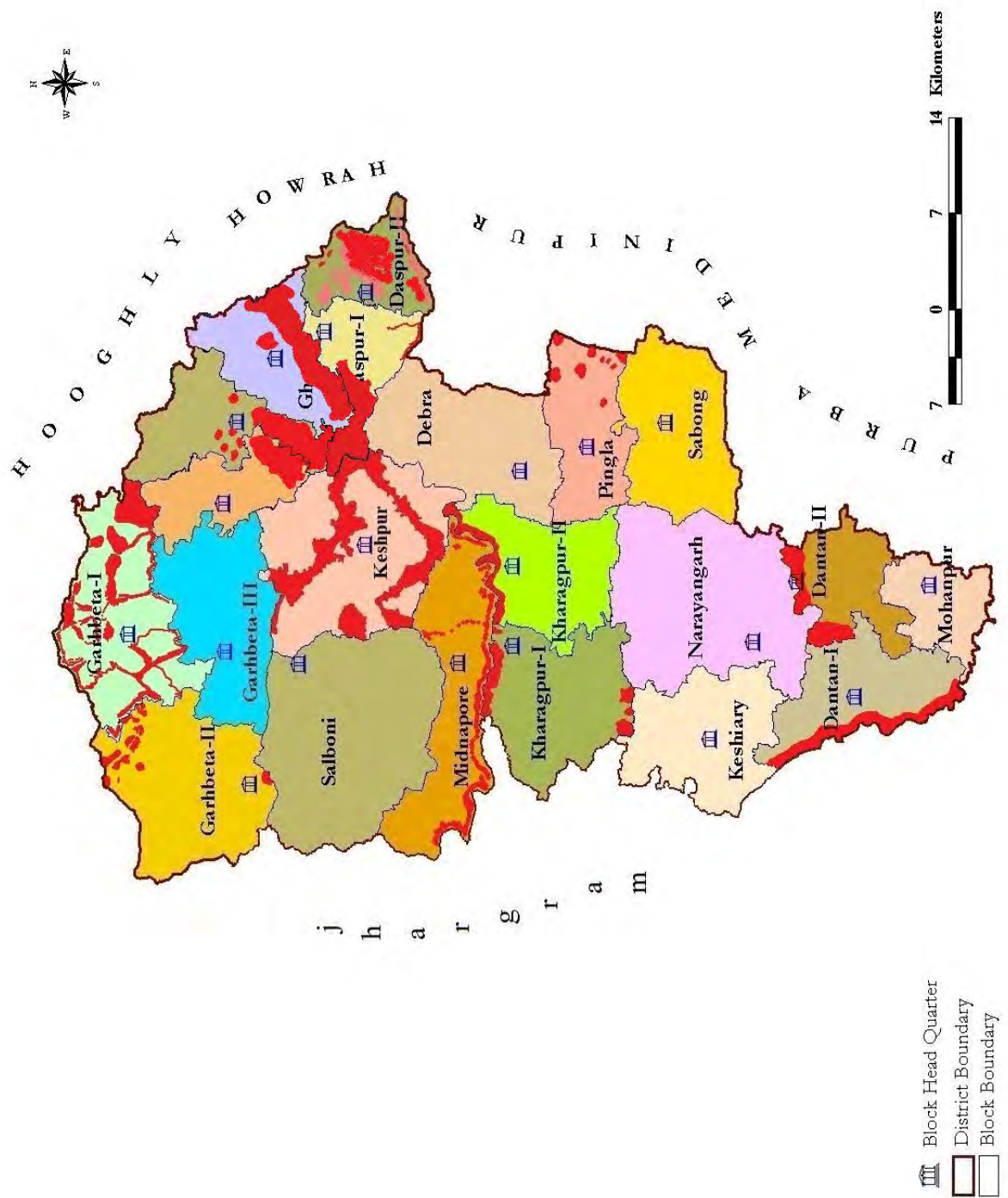
— DISTRICT BOUN.  
 ■ BLOCK  
 ○ OTHER TOWN  
 ● DISTRICT HQTRS.

## River Map of Paschim Medinipur

Medinipur Sub-Division  
 Ghatal Sub-Division  
 Kharagpur Sub-Division  
 RIVER

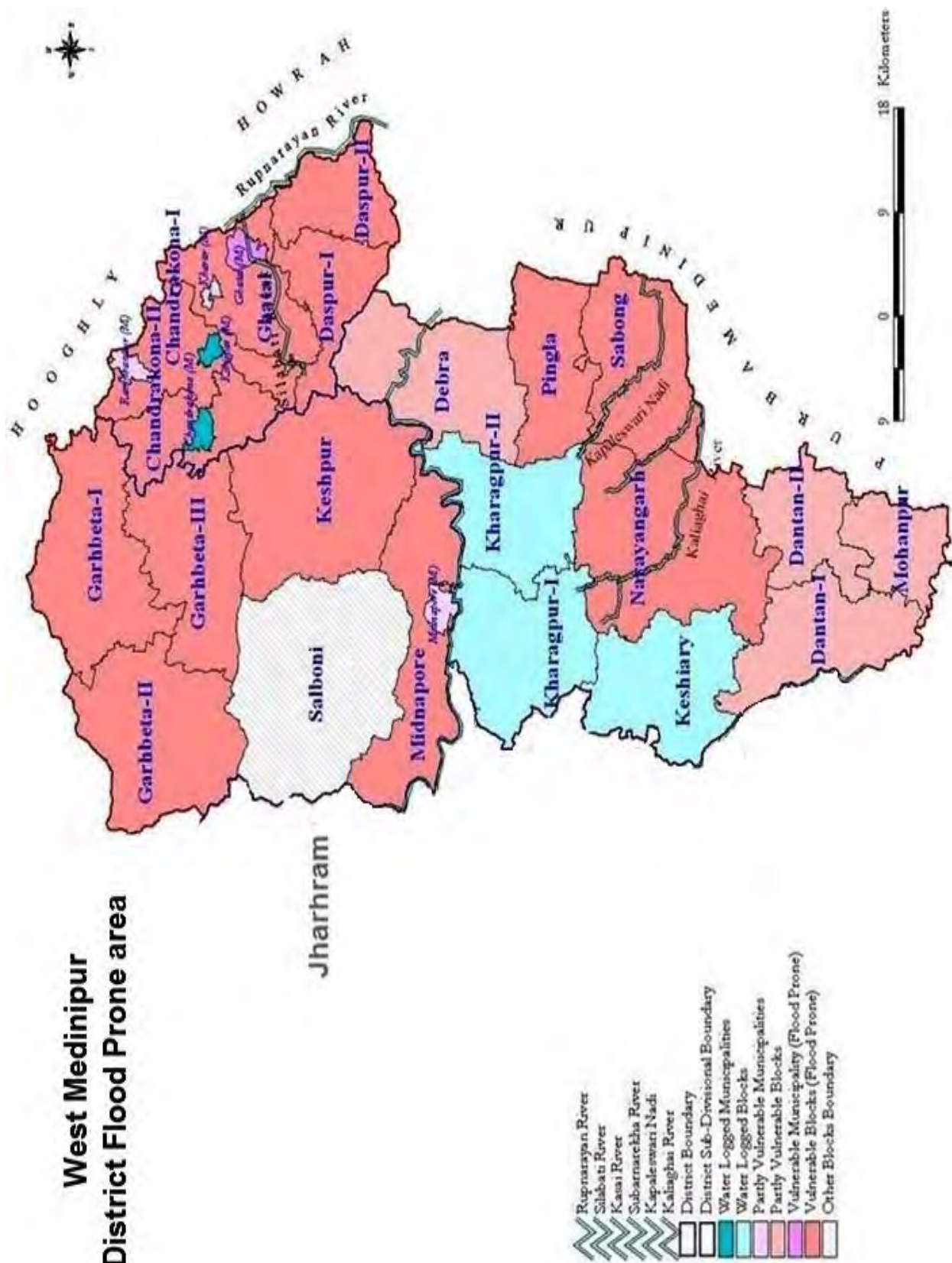




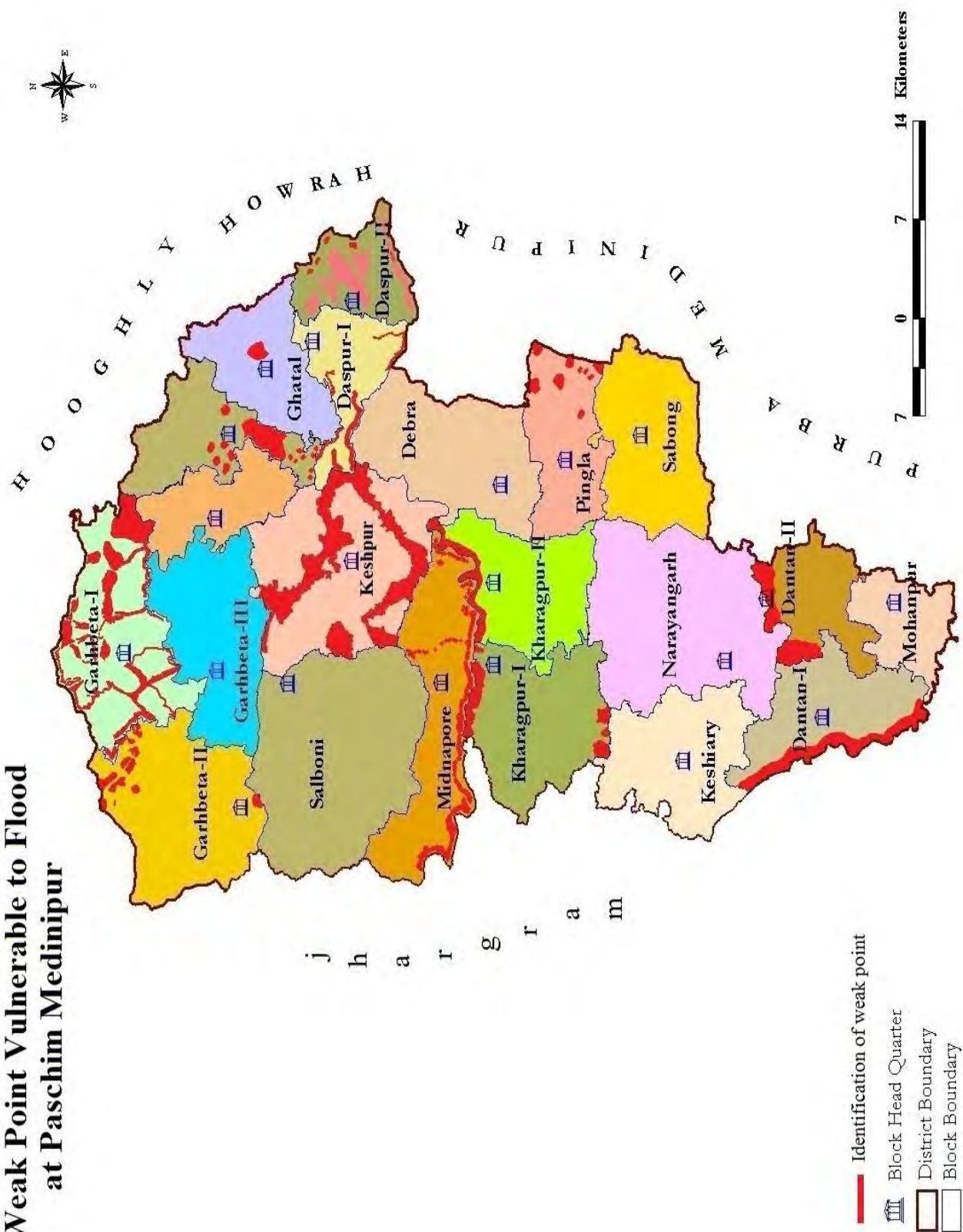




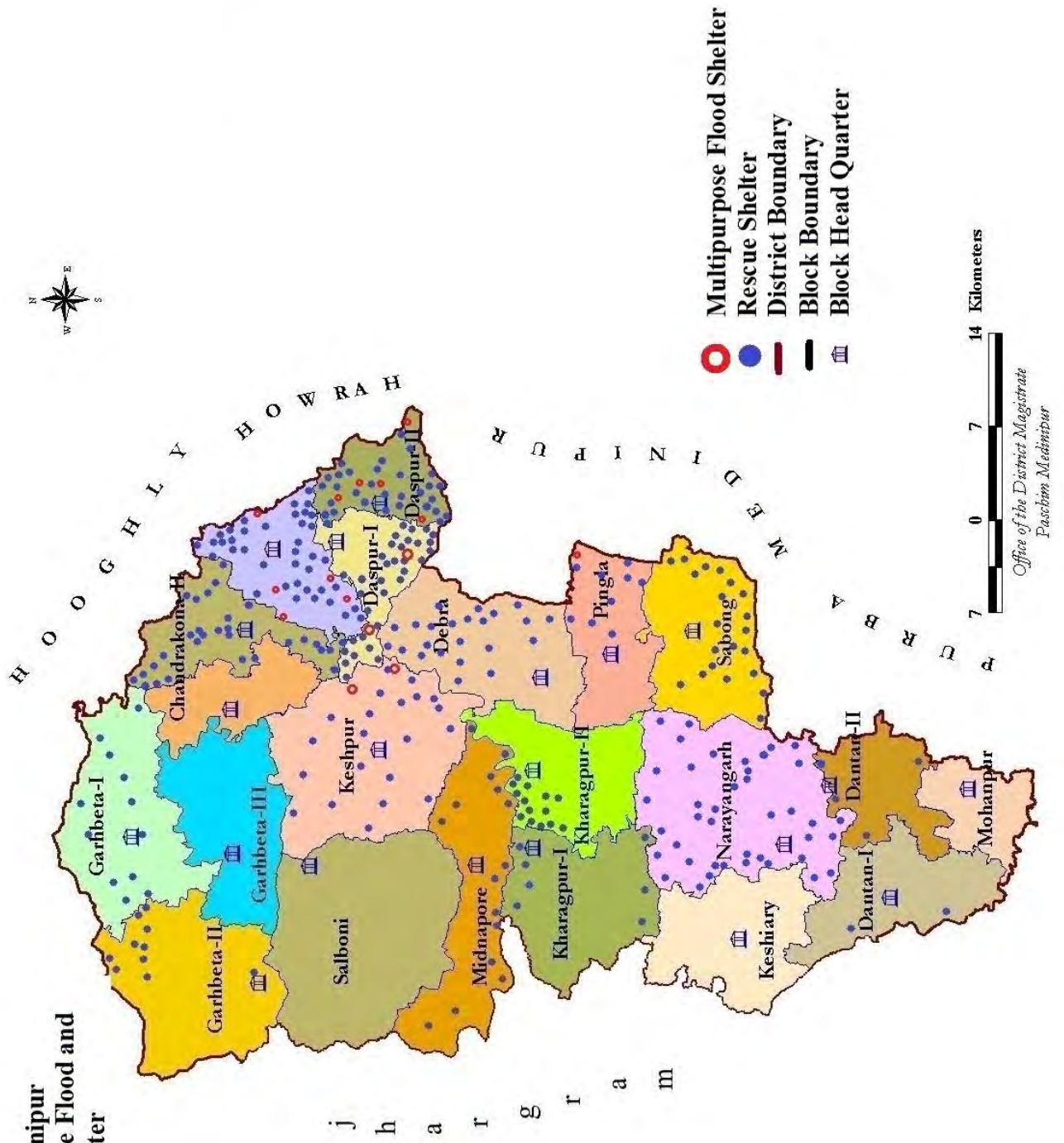
## West Medinipur District Flood Prone area



# Weak Point Vulnerable to Flood at Paschim Medinipur

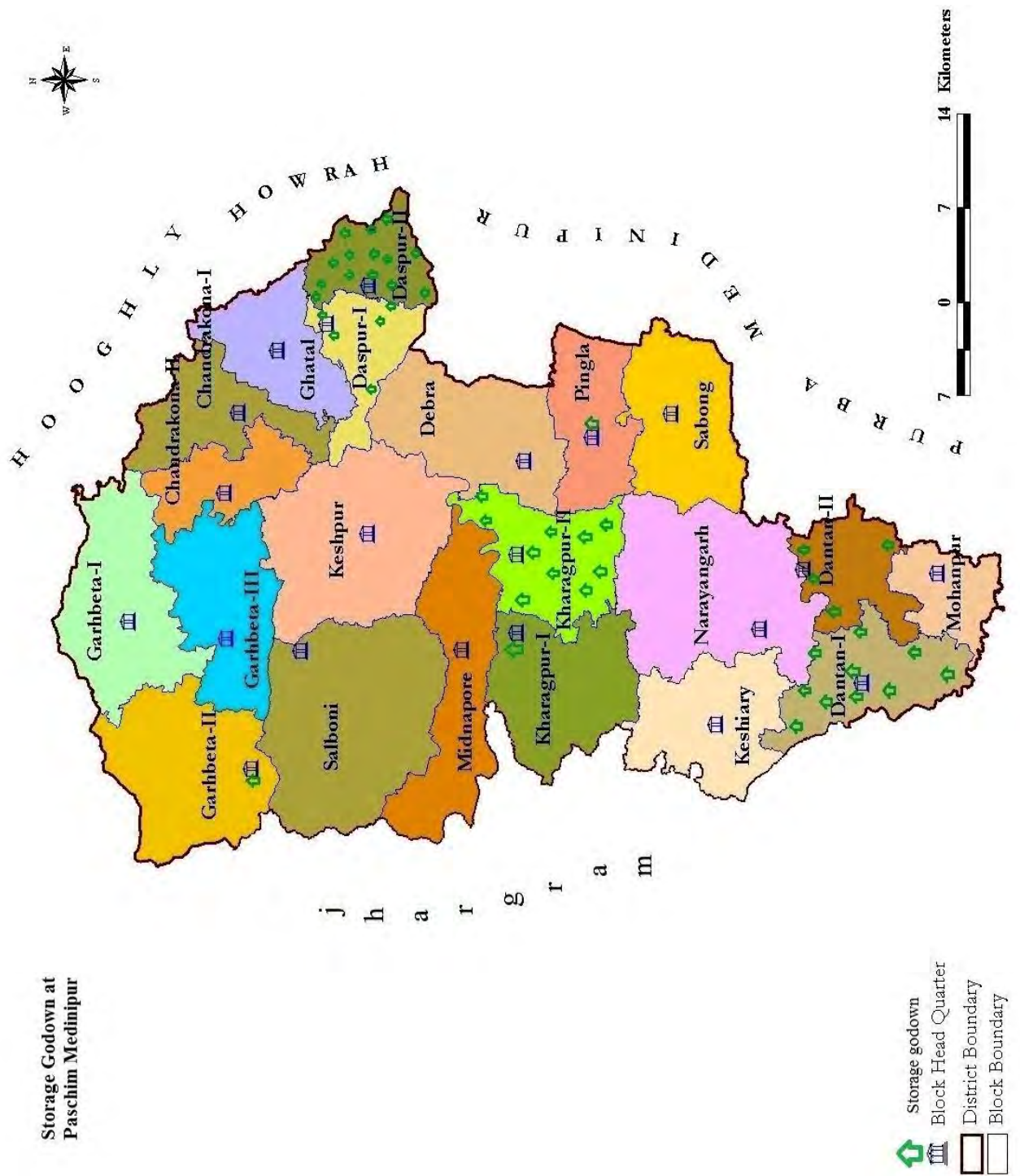


# Paschim Medinipur District Multipurpose Flood and Rescue Shelter

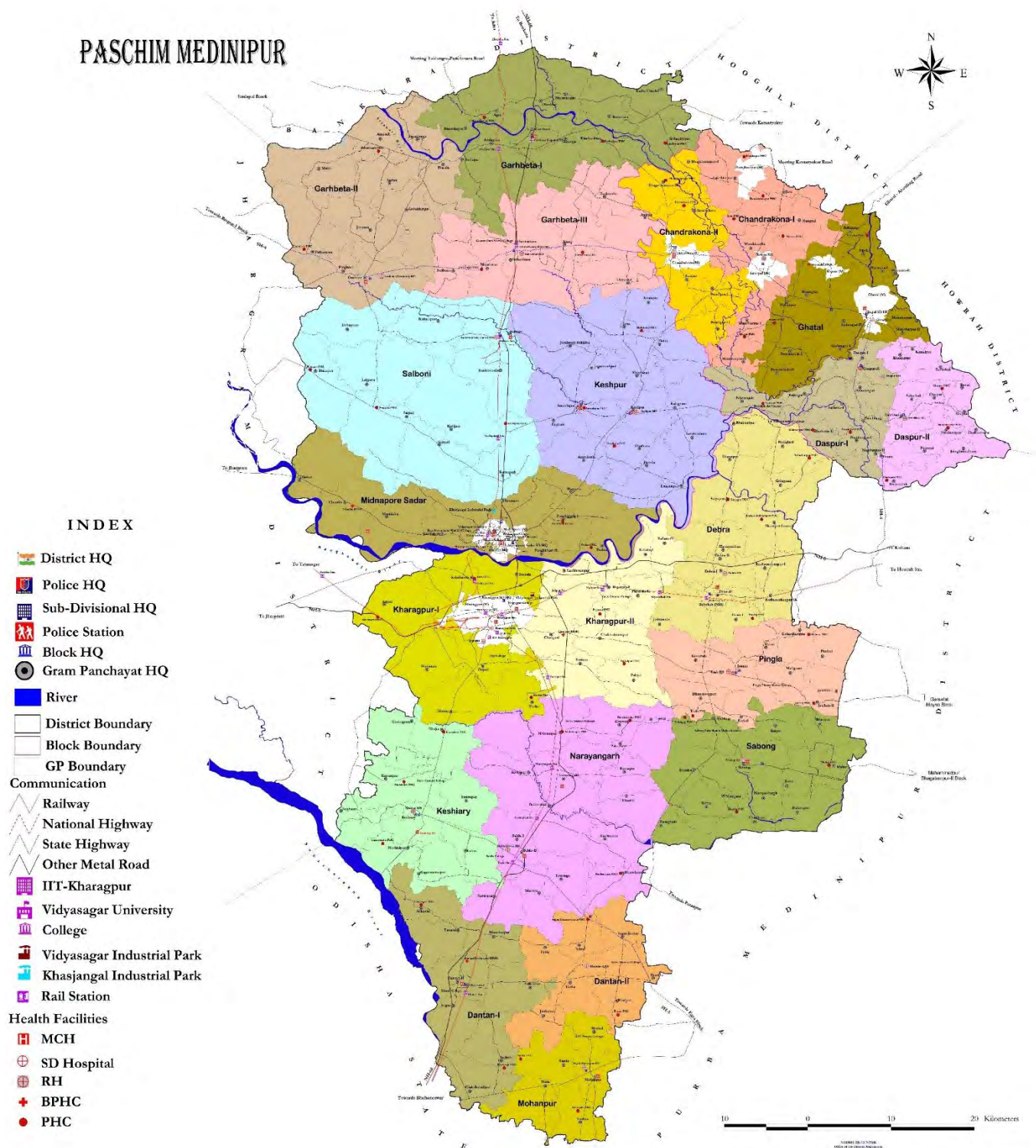




Storage Godown at  
Paschim Medinipur



# PASCHIM MEDINIPUR





## **Vulnerable Zones under Irrigation and Waterways Department of Paschim Medinipur**

The embankments under this Division have been severely damaged on flood 2017 on the river Cossyed for left and right embankments. Left embankment of Cossye near Balipata, (Ch. 14.45 to 16.988) Km. raising and strengthening work required. Estimate has been done and submitted. One sluice at Balipata is required to control the flow water from land field area. Resection of Kalichandi Khal from Alahiganj to Cossye River is required to discharge heavy flood water. A detailed report for the above will be sent shortly for your information and alarming the peoples from administration levels. Several numbers of rain cuts, vertical slips and damage of inspection path has been observed over the embankments of TE1H1 from 15.20 Km. to 40.00 Km. & TE2H2 from 0.00 Km. to 14.00 Km. and TH3H2 from 14.00 Km. to 26.00 Km. All repairing works are taken up and will be completed before monsoon.

Under Ghatal Sub-Division, some portion of the embankment of C.C., D.C & M.C have been damaged during flood during 2017 as per available fund repair work have been taken up on emergency basis. Vulnerable points in Ghatal (I) Sub-Division are Harispur, Ajuria, Kalmijore, and Khukrdaha-Majipara.

### **VULNERABLE ZONES UNDER GHATAL (I) SUB-DIVISION UNDER WEST MIDNAPORE DIVISION**

#### **Vulnerable Zone under DUSSASPUR - I Section**

<b>Sl No.</b>	<b>Location &amp; Mouza</b>	<b>Chainage</b>	<b>River</b>	<b>Nature of damaged</b>	<b>Name of Embankment</b>
1	Kalorah Steel Bridge / Daspur- I / Paschim Medinipur	46.00 Km to 50.00 Km	<b>Old Cossye</b>	Tendency to further scour	Chetua Circuit Embankment
2	Mahepur / Daspur- I / Paschim Medinipur	DO	DO	Tendency to further scour	DO
3	Kalorah to Kunjapur / Daspur- I / Paschim Medinipur	DO	DO	Susceptible to occurrence of Ghoge	DO
4	Kolmijore / Daspur- I / Paschim Medinipur	51.50 Km to 52.00 Km	DO	Susceptible to overtop of flood discharge	DO
5	Mukherjipara / Gokulnagar / Daspur- I / Paschim Medinipur	53.00 Km to 54.00 Km	DO	Susceptible to overtop of flood discharge	DO
6	Gokulnagar & Jadupur / Daspur- I / Paschim Medinipur	53.00 Km to 57.00 Km	DO	Susceptible to occurrence of Ghoge	DO
7	Jadupur / Daspur- I / Paschim Medinipur	56.50 Km.	DO	Tendency to further scour	DO
8	Mandalpara / Brindabanchak / Daspur- II / Paschim Medinipur	15.00 Km to 16.00 Km	<b>Durbachati</b>	Slip failure occurred on 2013 not yet restored	Mohankhali Circuit Embankment
9	Khukurdaha / Daspur- II / Paschim Medinipur	19.5 Km	DO	Tendency to further scour	DO

10	Parbotipur / Daspur- I / Paschim Medinipur	24.00Km	DO	Susceptible to overtop of flood discharge & scouring	DO
11	Parbotipur / Daspur- I / Paschim Medinipur	25.00Km	DO	Tendency to further scour	DO
12	Khukurdaha, Arkhana, Sahapur, Rabidaspur, Parbotipur & Nizampur / Daspur- II & I / Paschim Medinipur	18.00 Km to 26.00 Km	DO	Susceptible to occurrence of Ghoge	DO
<b>Vulnreable Zone under DUSSASPUR - II Section</b>					
1	Nabin Basudebpur & Kishorepur / Daspur- I / Paschim Medinipur	5.00 Km to 7.50 Km	Old Cossye	Susceptible to occurrence of Ghoge	Dussaspur Circuit Embankment
2	Kolmijore, Gangaprasad & Samatberia / Daspur- I / Paschim Medinipur	8.00 Km to 11.00 Km	DO	Susceptible to occurrence of Ghoge	DO
3	Beharichak / Daspur- I / Paschim Medinipur	20.00Km	Bhosra Khal	Flood discharge overtops over 6-Vent Sluice & needed to be sealed	DO
4	Jyotisab / Daspur- I / Paschim Medinipur	22.00Km	DO	Flood discharge overtops over 6-Vent Sluice & needed to be sealed	DO
5	Kakdari / Daspur- I / Paschim Medinipur	25.00Km	DO	Single Vent Sluice damaged & needed to be sealed	DO
6	Manikpur & Nabin Maheshpur / Daspur- I / Paschim Medinipur	23.00 Km to 25.00 Km	DO	Susceptible to occurrence of Ghoge	DO
7	Manikpur / Daspur- I / Paschim Medinipur	23.50Km	DO	Susceptible to overtop of flood discharge	DO
<b>Vulnreable Zone under AJURIA Section</b>					
1	Koijuri / Daspur-II / Paschim Medinipur	22.30 Km to 22.70 Km	Rupnarayan	Susceptible to occurrence of Ghoge	Chetua Circuit Embankment
2	Benai / Daspur-II / Paschim Medinipur	23.00 Km to 24.00 Km	DO	Susceptible to overtop of flood discharge	DO
3	Benai / Daspur-II / Paschim Medinipur	24.00 Km to 25.00 Km	DO	Single Vent Sluice damaged & needed to be sealed	DO
4	Uttarbarh / Daspur-II / Paschim Medinipur	25.70 Km	DO	16- Vent Chandreswar Sluice damaged & needed to be sealed	DO

5	Uttarbarh / Daspur-II / Paschim Medinipur	26.00 Km to 26.50 Km	DO	Severe damage of slip failure / sliding occurred due to huge procurement PMGSY Road materials at river side of embankment	DO
6	Satpota / Daspur-II / Paschim Medinipur	34.00 Km to 35.00 Km	<b>Palaspai</b>	Susceptible to occurrence of Ghoge	DO
7	Palshpai / Daspur-II / Paschim Medinipur	37.00 Km to 39.00 Km	DO	Susceptible to occurrence of Ghoge	DO
8	Singhachak & Panchberia / Daspur-II / Paschim Medinipur	41.00 Km to 44.00 Km	DO	Susceptible to occurrence of Ghoge	DO
9	Mahisghata / Daspur-II / Paschim Medinipur	29.50 Km	DO	Single Vent Sluice damaged & needed to be sealed	DO
10	Gourichak / Daspur-II / Paschim Medinipur	34.00 Km	DO	Single Vent Sluice damaged & needed to be sealed	DO
11	Satpota / Daspur-II / Paschim Medinipur	34.50 Km	DO	Single Vent Sluice damaged & needed to be sealed	DO
12	Singhachak / Daspur-II / Paschim Medinipur	42.00 Km	DO	Single Vent Sluice damaged & needed to be sealed	DO
13	Maguria / Daspur-II / Paschim Medinipur	1.00 Km to 1.60 Km	<b>Durbachoti</b>	Tendency to scour due to meandering	Mohankhali Circuit Embankment
14	Kashinathpur / Daspur-II / Paschim Medinipur	10.00 Km to 11.00 Km	DO	Tendency to scour due to meandering	DO
15	Chaksultan, Rampur & Manua / Daspur-II / Paschim Medinipur	29.00 Km to 33.00 Km	DO	Susceptible to occurrence of Ghoge	DO
16	Rampur / Daspur-II / Paschim Medinipur	31.00 Km to 32.00 Km	DO	Single Vent Sluice damaged & needed to be sealed	DO
17	Jote Ghanashyam / Daspur-II / Paschim Medinipur	39.00 Km to 40.00 Km	DO	Susceptible to overtop of flood discharge & occurrence of Ghoge	DO

**Vulnreable Zone under GHATAL (I) SUB-DIVISION**

1	Jadupur, Rajnagar & Anandagarh / Daspur-I / Paschim Medinipur	57.00 Km to 59.00 Km	<b>Kanki</b>	Susceptible to occurrence of Ghoge	Chetua Circuit Embankment
2	DO	do	DO	Tendency to further scour & Subsidence prone zone	DO
3	Murshidnagar / Daspur-I / Paschim Medinipur	65.00 Km to 66.00 Km	<b>Shilabati</b>	Susceptible to occurrence of Ghoge	DO

4	Sitakundu / Daspur-I / Paschim Medinipur	66.00 Km to 67.00 Km	DO	Tendency to further scour, Subsidence prone zone & Susceptible to slip failure	DO
5	Sujanagar, Gadghat & Kushpota / Daspur-I / Paschim Medinipur	69.00 Km to 71.00 Km	DO	Susceptible to occurrence of Ghoge	DO
6	Konnagar, Harisingpur & Pratappur / Ghatal Municipality & Block / Paschim Medinipur	3.00 Km to 6.00 Km	DO	Susceptible to occurrence of Ghoge	DO
7	DO	do	DO	Susceptible to slip failure	DO
8	Harishpur & Shyamsundarpur / Ghatal / Paschim Medinipur	9.00 Km to 13.00 Km	<b>Rupnarayan</b>	Susceptible to occurrence of Ghoge	DO
9	DO	do	DO	Subsidence prone zone & Susceptible to slip failure	DO
10	Ranichak / Ghatal / Paschim Medinipur	18.00 Km to 20.00 Km	DO	Susceptible to occurrence of Ghoge	DO

### Stock position of Gunny Bags / 2<sup>nd</sup> hand cement poly bag

Sl. No.	Stock in Godown of Section Office	Stock in hand
1	Ghatal	2340.00 Nos.
2	Dussaspur- I	2000.00 Nos.
3	Dussaspur- II	1195.00 Nos.
4	Ajuria	13900.00 Nos.
<b>Total =</b>		<b>19435.00 Nos.</b>

**Damaged / Vulnerable Zone of TE1H1, TE2H2 & TE3H2 embankment over Cossye River under Khanamohan (I) Section of Lachmapore (I) Sub-Division under West Midnapore Division P.S. Debra KGP-(L) of Dist.- Paschim Medinipur**

Name of River	Name of Embankment	Chainage in KM.	P.S. (Mouza)	Remarks	Length to be Executed	Probable Expenditure (In Lakh)	
						For protective work	For repairs work
River Cossye R/B	TE1H1 Embankment	1.50 Km., 6.00Km., 6.50Km., Bet 9.00 & 10.00Km. *Bet 12.700 & 13.200 Km. Bet 24.00Km. & 25.00 Km. # Bet 6.00 km. & 7.00Km., 9.00 Km. & 15.20 Km.	KGP (L) Debra, Raj saw, Maheshpur, Rajpura, Keshpur-Rambhadrapur, Kuchhi, Jhikuria, Diapur, Ramchandrapur, Haridrapat, Sripur, Paschim Lohana, Saldahari.	Vulnerable due to badly erosion of bank and berm. * Vulnerable due to erosion of bank work from 12.700 Km. & 13.200Km. Has been completed. # Damaged inspection path due to rain washed along with cattle grazing and used to domestic perpose.	600m  # 5000m.	90.00  * NIL  ** NIL	Estimate bet ch. 6.00, & 7.00, 9.00 & 11.50 has been submitted # 25.00
River New Cossye R/B		Bet 26.50Km. & 27.50Km., 31.00Km & 31.300Km., 32.500 Km. 33.00Km., 36.00Km., Bet 37.00Km. & 38.00Km. # 36.00 Km. & 37.800Km. 39.00 Km & 41.50 Km.	P.S. - Debra, Paschim Medinipur, Saldahari, Chakfatwella, Tebageria, Raipur, Snarpur, Goyespur, Ghun ghuni, Lowada. Goyespur. Mamudabad	Vulnerable due to badly erosion of bank and berm. # Damaged inspection path due to rain washed along with cattle grazing and used to domestic perpose.	1000 m. # 4200 m.	150.00	Estimate from 36.00 Km. & 37.800Km. 39.00 Km & 41.50 Km. submitted. # 100.00
River Old Cossye R/B	TE2H2 Embankment	Bet 0.25 km. & 0.70Km., 1.50 Km. 4.00Km. & 4.50Km. Bet 5.00 Km. & 5.200Km., 6.00Km. & 7.50Km. 8.00 Km., 8.400Km., 9.60Km., 10.200Km., 15.300Km. # 3.00Km. & 14.00 Km.,	P.S.-Debra, Paschim Medinipur, Malihati, Joykrishnapur, Bhabhanipur, Sringargarh, Asanpur, Bhimpur, Talbandhi, Tinka, Kamalpur.	Vulnerable due to badly erosion of bank and berm. # Damaged inspection path, & narrow in section. Work of Widening & strengthing in bet. Ch.-3.00Km. & 14.00 Km., is in progress.	500m.  #5000 m.	80.00	Estimate submitted # 30.00

River New Cossye L/B	TE3H2 Embankment	Bet 16.500 Km. & 17.800Km., Bet 19.400& 19.800Km., 20.00Km. & 20.400Km. 21.500Km., 22.800Km. #14.00km. & 24.00km., ** 26.00Km. & 29.00Km.	P.S.-Debra, Paschim Medinipur, Makarimpur, Kanakpur, Birsingpur, Bahadurpur, Puyapat, & Bishnupur, Nandabari, Bishnupur.	Vulnerable due to badly erosion of bank and berm with narrow in waterways. # Damaged embktt. With raincuts, slips, verticals etc. due to monsoon 2014, 2015, 2016 & 2017 ** Damaged inspection path & bank due to rain wash cattle grazing and used to domestic perpose.	500 m. #500m **3000m.	80.00	#Estimate submitted #85.00
						<b>400.00</b>	<b>240.00</b>
						<b>Total</b>	<b>640.00 Lakh</b>

### Condition of different Bundhs / Embankments / Rain cuts / Bundhs on the canals / Pot holes

Sl. No.	Name of Embankment	Name of River	Length	Status
1	Chetua Circuit	Old Cossye (L/B) / Kanki (R/B) / Silabati (R/B) / Rupnarayan (R/B) / Palashpai Khal (L/B)	72.00 Km	i) Near Ch. 6.00 Km at Pratappur & Ch. 11.00 Km at Samuihal susceptible to scouring, ii) Existing slip failure near Ch. 16.00 Km at Ranichak , iii) From Ch. 51.00 Km to 52.00 Km 300 meter susceptible to overtop, iv) In between Ch. 52.00 Km & 53.00 Km at Paikan Durjyodhan susceptible to scouring, v) Existing slip failure in between Ch. 59.00 Km & 65.00 Km at Rajnagar, Anandagarh & Sitakundu, vi) Harishpur & Shyamsundarpur Sluice is needed for major repairing, vii) Gomrai Sluice repair required.
2	Mohankhali Circuit	Durbachati (L/B) / Rupnarayan (R/B) / Palashpai Khal (R/B)	51.00 Km	i) From Ch. 1.50 Km to 2.00 Km 200 meter susceptible to scouring at Maguria, ii) Existing slip failure in between Ch. 15.00 Km & 16.00 Km at Brindabanchak for 170 meter also susceptible to further scouring, iii) From Ch. 24.00 Km to 25.00 Km 250 meter susceptible to overtop, iv) Near Ch. 25.00 Km at Kheriachak susceptible to scouring,, v) Major renovation of Chandrewar Sluice, vi) Mashalchak & Rampur Sluice repair required.
3	Dushaspur Circuit	Old Cossye (R/B) / Durbachati (R/B) / Bhasra Khal (L/B)	30.00 Km	i) Existing slip failure in between Ch. 10.50 Km & 11.00 Km at Maheshpur for 100 meter also susceptible to further scouring, ii) From Ch. 23.50 Km to 24.50 Km 300 meter susceptible to overtop, iii) Kakdari, Jyotisab & Biharichak Sluice are needed to be sealed, iv) Dharma & Chakboalia Sluice over Bhosra Khal at Ex- Zamindary Bundh needed to be sealed.

## Annexure-B

### SUB-DIVISION WISE RESCUE SHELTER IN PASCHIM MEDINIPUR

#### RESCUE SHELTER GHATAL SUBDIVISION

##### Rescue Shelter Ghatal Block

Name of school used as rescue shelter	Latitude(N)	Longitude(E)
Kismat Dirghagram High School	22°25'54.15"	87°25'30.54"
Khasbarh High School	22°26'41.38"	87°26'25"
Irhpala High School	22°26'35.44"	87°25'77.12"
Joykundu GP Office	22°26'7.87"	87°25'52.57"
Doulatchak Flood Shelter	22°25'20.64"	87°27'11.84"
Banharisingpur Promodh Dasgupta High School	22°26'36.78"	87°26'40.02"
Dandipur Manmatha Hazra High School	22°24'43.95"	87°24'57.52"
Jalsara Flood Shelter	22°24'17.13"	87°23'41.56"
Birsingha Football Ground	22°24'16.95"	87°23'45.17"
Alui High School	22°23'41.28"	87°23'9.42"
Maharajpur High School	22°22'27.01"	87°23'35.62"
Konarpur Sitalananda High School	22°22'15.20"	87°22'20.02"
Chowka Netaji Bidyamandir	22°21'14.4"	87°22'50.62"
ElochakFlood Shelter	22°22'26.11"	87°24'40.5"
Ajabnagar - I GP Office	22°22'50.5"	87°24'52.1"
Joynagar High School	22°23'0.45"	87°24'40.14"
Rathipur Bardabanipith High School	22°24'7.77"	87°25'13.9"
Pratappur Golap Sundari High School	22°24'5.47"	87°27'19.9"
Shyamsundarpur Rajkumar High School	22°23'24.7"	87°28'30.54"
Ratneswarbati Netaji High School	22°23'26.16"	87°27'43.9"
Marks Mrityu Satabarsiki Vidyalaya	22°23'7.87"	87°27'15.12"

##### Rescue Shelter Chandrakona-I Block

Name of school used as rescue shelter	Latitude(N)	Longitude(E)
Khanpur Gangcha High School	22°39'39.56"	87°35'31.66"
Pandua High School	22°40'14.98"	87°34'59.48"
Monoharour Dakshin Pry. School	22°36'34.63"	87°35'15.32"
Gopalpur Pry. School	22°37'46.38"	87°36'21.74"
Sitarampur Pry.School	22°36'55.62"	87°34'42.24"

### Rescue Shelter Chandrakona-II Block

Name of School / Flood Shelter	Latitude(N)	Longitude(E)
Chaitanyapur Jr. High School	22°48'36.76"	87°31'25.95"
Parulia Jr. High School	22°49'57.27"	87°31'7.34"
Krishnapur Rahamania High School	22°49'30.46"	87°32'3.81"
Bhagabantapur-I GP	22°49'23.31"	87°32'7.45"
Palaschabri Nigamananda High School.	22°27'49.28"	87°19'15.97"
Barunighat Ramkrishna High School	22°26'38.52"	87°20'1.68"

### Rescue Shelter Daspur-I Block

Name of school used as rescue shelter	Latitude(N)	Longitude(E)
Narajole Raj College	22°34'0.66"	87°36'11.81"
Supapursuri High School	22°36'13.71"	87°33'31.39"
Nayagram High School	22°35'35.62"	87°34'52.93"
Simana High school	22°36'10.26"	87°35'19.24"
Rajnagar Union High School	22°34'38.46"	87°40'11.82"
Nandanpur High School (H.S)	22°31'49.40"	87°43'12.4"
Balitora Basanabala High School	22°31'49.44"	87°42'41.76"
Parbotipur High Schhol	22°30'34.81"	87°44'11.47"
Tiorberia High School	22°29'52.51"	87°44'45.56"
Brahmanbasan High School	22°33'28"	87°41'44.7"
Har-Sarberia High School	22°32'23.92"	87°41'48.15"
Dhankhal D.K. Girls School	22°32'30.22"	87°39'47.55"
Nabin Maheshpur Krishnanagar K.B High School	22°31'19.02"	87°40'35.5"
Makarampur Jr. High School	22°32'30.51"	87°40'12.9"

### Rescue Shelter Daspur-II Block

Type of Shelter	Latitude(N)	Longitude(E)
Kamalpur Flood Shelter	22°22'27.12"	87°27'41.72"
Chaipat Flood Shelter	22°18'37.18"	87°28'52.42"
Chaipat Girls' High School	22°34'9.19"	87°48'23.27"
Kaijuri Vidyasagar High School	22°35'51.97"	87°51'7.12"
Arit Vivekananda Vidyamandir	22°34'4.51"	87°50'13.62"
Kheput High School	22°33'10.69"	87°49'56.1"
Kheput Girls' School	22°33'7.4"	87°49'41.9"
Panchgechia Gosthabehari High School	22°32'9.39"	87°47'54.39"
Chaksultan Flood Shelter	22°19'26.22"	87°27'6.48"
Sonakhali High School	22°33'11.49"	87°45'58.89"
Jotebhagaban High School	22°32'29.18"	87°45'50.5"
Palashpai Bhagabati Balika Vidyalaya	22°31'19.8"	87°46'53.1"
Bhagwanchak Patiram Siksha Niketan	22°31'20.74"	87°48'53.74"
Goura Sonamui K.B.A. High School	22°30'38.88"	87°45'6.62"
Nabin Manua High School	22°30'52.7"	87°46'43.79"



Rampur Manua K.K.I.R.R. High School	22°31'15.2"	87°44'31.99"
Khukurdaha I.C.M.M. High School	22°33'11.3"	87°46'13.29"
Kashinathpur J.K. High School	22°28'49.1"	87°47'27.99"
Lakshyakundu R.N. Raut High School	22°28'46.7"	87°46'10.89"
Joteghanashyam Nilmoni High School	22°30'55.23"	87°49'32.4"
Gomakpota G.R. High School	22°29'51.39"	87°48'8.20"
Maguria Flood Shelter	22°30'48.63"	87°51'11.79"
Sreebora High School	22°30'43.39"	87°52'26.97"
Sreebora Girls High School	22°30'43.39"	87°24'57.96"
Dudkomra High School	22°31'41.75"	87°52'43.28"
Kultikari Khiradamoyee High School	22°31'53.93"	87°50'25.05"

## KHARAGPUR SUBDIVISION

### Rescue Shelter Sabong Block

Name of school used as rescue shelter	Latitude(N)	Longitude(E)
Nowgan Flood rescue centre	22° 09' 23.4"	87° 35' 14.4"
Rautarabari Pry. School	22° 08' 7.14 "	87° 54' 7.99"
Dasagram S.S. High school	22° 11' 5.69"	87° 51' 6.43"
Bilkua High School	22° 09' 5.56"	87° 53' 2.46"
Guadangri Pry. School	22° 09' 3.54"	87° 51' 5.64"
Chaulkuri rescue centre	22° 07' 20.7"	87° 36' 16.6"
Lokepith High School	22° 11' 8.53"	87° 06' 37.68"
Naziveri High School	22° 10' 6.22"	87°06' 70.07 "
Bishnupur Union High School	22° 08' 21.1"	87° 40' 13.3"
Bishnupur flood shelter	22°08'21.1"E	87°40'13.3"
Chaulkuri flood shelter	22°07'20.7"E	87°36'16.6"
Nowgan flood shelter	22°09'23.4"E	87°35'14.4"
Rautarabari Pry. School	22° 05' 13.7 "	87° 32' 52.76"
Bilkua High School	22° 05'44.02"	87° 31' 56.86"
Neziveri High School	22° 06' 22.39"	87° 40' 12.25 "
Lokepith High School	22° 07' 6.71"	87° 38' 15.65"
Bishnupur Union High School	22° 08' 21.1"	87° 40' 13.3"
Dasagram S.S. High school	22° 06' 0.94"	87° 30' 59.15"
Sabang Sajanjikanta College	22° 13' 13.44"	87° 33' 51.48"
Debhog G.P. office	22° 13' 18.4"	87° 33 ' 48.2"
Nowgan G.P. office	22° 09 ' 01.5' "	87° 34 ' 32.0 "
Danrra G.P. office	22° 10' 12.3 "	87° 32 ' 18.2 "
Dasagram G.P. office	22 ° 06' 54.3 "	87° 30 ' 59.2 "
Sarta G.P. office	22° 07 ' 22.3 "	87° 32 ' 18.1 "
Chaulkuri G.P. office	22 ° 07 ' 57.6 "	87° 35 ' 56.8 "
Narayanbarh G.P. office	22° 09 ' 06.3 "	87° 36 ' 58.9 "
Sabang G.P. office	22° 10 ' 48.3 "	87° 35 ' 38.2 "
Balpai G.P. office	22° 13 ' 18.4 "	87° 33 ' 48.2 "
Bhemua G.P. office	22° 17 ' 42.2 "	87° 40 ' 53.2 "
Mohar G.P. office	22° 09 ' 51.7 "	87° 41 ' 15.2 "
Bural G.P. office	22° 10 ' 19.2 "	87° 38 ' 44.4 "
Bishnupur G.P. office	22° 08 ' 21.5 "	87° 40 ' 12.8 "

### Rescue Shelter Debra Block

Name of school used as rescue shelter	Latitude(N)	Longitude(E)
Harinarayanpur Flood ShelterHarinarayanpur	22°19'23.44"	87°22'23.48"
Amdanagar Pry. School, Amdanagar	22°31'50.80"	87°34'29.74"
Patna High School, Patna	22°32'36.31"	87°35'3.76"
Bhabanipur Pry. School, Bhabanipore	22°33'9.75"	87°35'48.7"
Akalpoush Pry. School, Kumarsanda	22°31'54.84"	87°36'19.44"
Bankakul Pry. School, Bankakul	22°31'50.80"	87°34'29.74"
Kunarpur Sanda High School	22°55'6.10"	87°36'7.56"

### Rescue Shelter Kharagpur – I BLOCK

Name of school used as rescue shelter	Latitude(N)	Longitude(E)
Arjuni pally unnayani gyan mandir	22°20'18.73"	87°10'54.98"
Charkaboni high school	22°21'37.23"	87°11'52.73"
Dharenda high school	22°21'7.49"	87°13'56.29"
Kendriya vidyalaya no. 1	22°19'34.31"	87°13'30.71"
Kendriya vidyalaya no. 2	22°19'44.9"	87°14'24.81"
Moulisole high school	22°18'2.26"	87°14'31.53"
Bhetia chandi h.s school	22°15'58.47"	87°17'2.06"
Shyamsundarpur pry school	22°13'36.17"	87°15'34.31"
Sarsa pry school	22°13'38.16"	87°16'22.77"
Gokulpur bidhan chandra high shool	22°22'37.01"	87°17'30.52"
Keduapal pry. School	22°21'18.20"	87°14'44.13"
Hijli college	22°17'52.88"	87°19'6.11"
Gopali i.m. high school	22°17'14.53"	87°17'48.86"
Khelarh gajendra high school	22°14'47.02"	87°21'10.76"
Barkola vivekananda high school	22°22'58.40"	87°18'43.61"

### Rescue Shelter Kharagpur- II BLOCK

Name of school used as rescue shelter	Latitude(N)	Longitude(E)
Krishnanagarpry.school.	22°22' 57"	87° 23' 36"
Janardanpur High School	22°23' 50"	87°25' 21"
Telipukur High School	22°23'56"	87°28' 56"
Ayma Gopalpur M.S.K.	22°24'42"	87°26'49"
Pelageria Pry. School at Pelageria	22°23'44"	87°27'21"
Meudipupur High School at Meudipur	22°25'22"	87°28'35"
Mukshedpur High School at Mukshudpur	22°23'17"	87°30'08"
Routhmoni R.C. High School, Routhmoni	22°17'36"	87°27'41"
Radhaballavchak High School	22°16'54"	87°29'04"
KhutiaGokulpur High School at-Bar-Gokulpur	22°15'44"	87°27'56"
Madpur High School at Madpur	22°21'58"	87°26'32"

MadpurBalikaBidyalya at- Madpur	22°22'4"	87°26'17"
BhandariaKalika High School At-Bhandaria	22°21'20"	87°27'19"
Barbanshi Higher Secondary School At - Barbanshi	22°21'8"	87°28'16"
Kanikha Satish Chandra High School at - Kanikha	22°22'44"	87°28'28"
Paparara High School,at-Paparara	22°20'33"	87°26'49"
Harina High School at Harina	22°23'17"	87°30'05"
Munibgarh Girls High School,Munibgarh	22°23'36"	87°26'33"
Khatranga High School at- Khatranga	22°20'16"	87°24'10"
Rajabala Balihati Upper Pry, Balihati	22°23'46"	87°22'24"
Dubgohal High School at- Dubgohal	22°21'36"	87°22'14"
Mawa Iswar Chandra High School,at-Mawa	22°18'20"	87°26'16"
Chakmakrampur High School , Chakmakrampur	22°18'45"	87°25'14"
Sankoa G.C. High School,Sankoa	22°17'09"	87°24'39"
Tentulmuri High School,Tentulmuri	22°15'21"	87°24'03"
Changual K.P.Vidyayatan,Changual	22°18'37"	87°22'35"
Balarampur A.N.M.Vidyapith, Balarampur	22°18'16"	87°20'11"
Benapur High School at- Benapur	22°17'40"	87°24'44"
Changual Block Primary Health Centre At- Changual	22°18'19"	87°22'15"

### Rescue Shelter Pingla Block

Name of school used as rescue shelter	Latitude(N)	Longitude(E)
Office of the BDO, Pingla	22°17'3.5"	87°35'8.3"
Office of the BL&LRO, Pingla	22°17'3.5"	87°35'8.3"
Office of the ADSR,Pingla	22°17'3.5"	87°35'8.3"
Office of the ADA,Pingla	22°17'3.5"	87°35'8.3"
Office of the S.I of School,Pingla	22°17'3.5"	87°35'8.3"
Office of the BLDO,Pingla	22°17'6.26"	87°35'9.88"
Block Relief Godown,Pingla	22°17'3.5"	87°35'8.3"
Pingla Hospital	22°17'10.57"	87°34'58.01"
Pingla police Station	22°16'40.47"	87°35'09.44"
Pingla Post Office	22°16'40.77"	87°35'12.20"
Pingla Rabindrasadan Auditorium	22°17'04.17"	87°35'08.51"
UBI,Pingla	22°17'11.20"	87°35'06.06"
SBI,Pingla	22°16'34.02"	87°35'08.45"
PNB, Jamna	22°16'30.04"	87°32'54.72"
Pingla Thana Mahav idyalaya	22°16'0.44"	87°37'35.98"
Mundamari Bus stand	22°18'13.13"	87°33'05.74"
Jamna Bus stand	22°16'38.50"	87°32'52.29"
Maligram Bus stand	22°15'50.47"	87°38'26.91"
Gobardhanpur D.C. Balika H.S.	22°18'48.52"	87°39'33.76"
Saharda Kalipada H.S.	22°17'56.90"	87°38'51.36"
Upalda High School	22°19'41.77"	87°42'05.14"

Pindrui High School	22°17'48.15	87°40'40.72
Abulla MSK	22°18'17.96"	87°41'22.23"
Lakshmipari H.S.	22°16'20.56"	87°40'0.40"
Bagnabarh H.S.	22°15'28.00"	87°41'29.65"
Barisha High School	22°14'49.34"	87°41'37.89"
Jalchak N.N. Vidyayatan	22°14'27.48"	87°40'15.20"
Jalchak Balika Vidyalaya	22°7'32.48"	87°41'56.83"
Kusumda G.P.	22°18'22.29"	87°33'5.4"
Jamna G.P.	22°16'44.47"	87°35'11.61"
Dhaneswarpur G.P.	22°14'14.92"	87°32'38.86"
Karkai G.P.	22°13'56.13"	87°35'12.87"
Maligram G.P.	22°15'50.47"	87°38'26.91"
Khirai G.P.	22°17'42.93	87°37'2.1
Gobardhanpur G.P.	22°18'48.52"	87°39'33.76"
Pindrui G.P.	22°17'48.15"	87°40'40.72"
Jalchak I	22°15'28.00"	87°41'29.65"
Jalchak-II	22°14'27.48"	87°40'15.20"

#### Rescue Shelter Dantan-I block

Name of school used as rescue shelter	Latitude (N)	Longitude(E)
Antri High School	22°02'28.0"	87°12'31.2"
Borah High School	22°01'51.6"	87°12'42.8"
Maljamuna High School	22°01'47.1.1"	87°15'25.4.5"
Uchudiha High School	22°00'35.2"	87°15'18.0"
Tararui High School	22°00'02.5"	87°16'17.2"
Kotepada High School	21°59'23.4"	87°13'42.6"
Tararui G.P.Office	21°58'50.8"	87°14'53.4"
Angua High School	21°54'00.1"	87°16'30.0"
Hasimpur Bus terminus	21°52'52.4"	87°15'30.0"
Gholai High School	21°55'00.9"	87°16'17.0"
Jamua High School(MSK)	21°54'57.6"	87°17'27.5"
Dantan Binapani Girl's High School	21°56'40.0"	87°16'41.8"
Bhagbat Charan High School	21°56'55.3"	87°16'35.7"
Dantan High School	21°57'01.5	87°16'37.2"

#### Rescue Shelter Narayangarh Block

Name of school used as rescue shelter	Latitude (N)	Longitude(E)
MALKA JR. HIGH SCHOOL	22°14'46.3"	87°22'48.4"
BARAKALANKAI HIGH. SCHOOL	22°13'24.7"	87°26'5"
KOTAI BASUDEVPUR SATI KUMAR SIKSHANIKETAN	22°12'26.5"	87°27'25.9"

MADANMOHANCHAK CHOWDHURY INSTUTATION	22°7'58.9"	87°18'31.9"
MADHABCHAK PRY. SCHOOL	22°8'14.9"	87°26'6.8"
SARISA KUNARPUR ANCHAL HIGH SCHOOL	22°9'47.12"	87°27'50.47"
RAIPUR JR. HIGH. SCHOOL	22°7'35.61"	87°22'40.37"
Metyal Janakalyan Niharbala Siksha Sadan	22°9'55.15"	87°20'45.31"
Belda Pravati Balika Vidyapith	22°4'28.95"	87°20'32.32"
Deuli Sudhir HIGH. School	22°4'38.85"	87°19'49.51"
Arjuni Desbandhu Vidyapith	22°2'43.54"	87°21'12.31"
BAKHRABAD BHARATI VIDYAPITH	22°5'8.34"	87°25'16.82"
GOPINATHPUR HIGH SCHOOL	22°7'39.43"	87°26'6.8"
GAITA HIGH SCHOOL	22°7'20.64"	87°22'8.72"
Kushbasan High School	22°5'29.79"	87°23'57.76"
Baramohanpur Uttar ICDS	22°0'20.8"	87°14'44.73"
Gurdala Pry School	22°0'45.28"	87°15'15.69"
Sitsangshu Balika Vidyapith	22°0'21.20"	87°15'2.41"

#### Rescue Shelter Keshiary Block

Name of school used as rescue shelter	Latitude (N)	Longitude(E)
Kulbon High School	22°5'52"	87°13'59"
Indra Pabnia Pry. School	22°7'55"	87°8'52"
Haripura Pry. School	22°5'9"	87°10'01"
Panasganj Pry. School	22°5'18"	87°10'37"
Jyoti Krishnapur M.S.K.	22°4'11"	87°10'58"
Sukharole Pry. School	22°4'31"	87°13'23"
Pirot Jr. High School	22°5'34"	87°12'26"
Anarh M.S.K.	22°6'40"	87°12'21"
Sukhdubi Pry. School	22°6'3"	87°12'21"
Keshiary High School	22°6'43"	87°14'20"
Phandarh High School	22°5'51"	87°18'17"
Kaliapara High School	22°4'17"	87°18'57"
Sundrarh High School	22°5'04"	87°10'0"
Gaganeswar High School	22°5'22"	87°15'20"
Parulia M.S.K.	22°4'27"	87°14'13"

## MIDNAPORE SADAR SUBDIVISION

### Rescue Sheltar Medinipur Sadar Block

Name of rescue shelter	Latitude (N)	Longitude(E)
Dherua Flood Shelter, at Malkuri	22° 29' 23.8618"	87° 7' 12.7128"
Keliamari Pry. School	22°26'20.14"	87° 8'46.56"
Sankadanga Pry. School	22°26'41.35"	87° 8'11.14"
Chandra High School	22°27'54.11"	87° 8'54.12"
Birbira Pry. School	22°27'47.12"	87° 8'49.62"
Monidaha High School	22°24'29.57"	87°11'8.43"
Gurguripal High School	22°25'44.42"	87°12'54.34"
Nepura Upper Pry. School	22°25'4.35"	87°16'2.71"
Gopegarth Pry. School	22°25'6.91"	87°17'17.70"
Kankabati MSK	22°25'29.09"	87°16'3.63"
Najarganj Pry. School	22°24'29.03"	87°18'56.65"
Siromoni B.M High School	22°28'25.86"	87°21'43.27"
Panchkhuri D.B. High School	22°26'28.95"	87°23'9.60"
Elahiganj High Madrasa	22°26'6.22"	87°21'49.18"
Harishpur Deshpran High School	22°24'20.47"	87°21'35.00"
Chuadanga High School	22°24'10.45"	87°24'2.89"
Khagardihi Pry. School	22°25'31.16"	87°18'45.51"
Pachra Pry. School	22°28'43.40"	87°25'47.34"
Belprotri ICDS & SSK	22°25'44.20"	87°28'35.67"
Mahatapnagar High School	22°24'43.79"	87°26'20.65"
Benadihi MSK	22°24'58.11"	87°20'29.45"
Pathra Junior High School	22°24'41.56"	87°25'5.84"
Chakdaulat Junior High School	22°25'40.89"	87°28'26.49"
Raghunathpur MSK	22°24'41.17"	87°20'8.28"
Telya High School	22°24'41.17"	87°20'8.28"

### Rescue Shelter Garbeta-I BLOCK

Name of rescue shelter	Latitude (N)	Longitude(E)
Dhadika High School	22°53' 56.74"	87°21' 52.76"
Nohari High School	22 ° 52' 52.76"	87 °18.24' 24.68"

### Rescue Shelter Garbeta-II Block

Name of rescue shelter	Latitude (N)	Longitude(E)
Goaltore High School	22° 42' 33.4"	87° 10' 14.9"
Amlasuli I.N. High School	22 ° 50' 59.6"	87 ° 10' 51.1"
Deriapur Pry. School	22 ° 50' 45.8"	87 ° 12' 17.8"
Gopalnagar Pry. School	22 ° 50' 44.5"	87 ° 15' 48.9"
Suniyakone Pry. School	22 ° 50' 29.3"	87 ° 16' 02.7"
Hoomgarh Girl's high School	22 ° 49' 42.2'	87 ° 14' 57.1"
Lalbahadur Sastri High School.	22° 51' 26.4"	87° 13' 13.4"
Dhobasole M.S.K.	22° 54' 07.2"	87° 13' 37.8"

### Rescue Shelter Garbeta-III Block

Name of rescue shelter	Latitude (N)	Longitude(E)
Nayabasad PM Siksha Niketan	22°42'46.8"	87°18'2.52
Manikbandh High School	22°50.99"	87°25'44.03"
Uriasai Pry. School	22°41'20.4"	87°24'41.04"

### Rescue Shelter Keshpur Block

Name of rescue shelter	Latitude (N)	Longitude(E)
Golar pry. School	22° 36'53.76"	87°30'51.42"
Mugbasan Pry. School	22° 35'37.38"	87° 28'46.80"
Mundalika High.School	22° 35'51.78"	87° 29'28.56"
Jagannathpur Pry. School	22° 35'1.26"	87° 27'35.04"
Gobindapur Pry. School	22° 34'45.06"	87° 25'41.28"
Kotai Pry. School	22° 35'19.92"	87° 22'40.98"
Amrakuchi Pry.School	22° 29'15.54"	87° 24'58.50"
Lauria Pry. School	22° 33'29.4"	87° 26'23.52"
Keshpur H.School,SoraiPrySchool	22° 33'27.06"	87° 27'40.26"
Kalagram High School	22° 35'10.08"	87° 32'20.40"
Basanchak Pry.	22° 33'50.76"	87° 32'20.40"
Kanchantala High School	22° 31'52.32"	87° 34'1.14"
Dhalhara High School, Parulia Pry. School	22° 30'42.12"	87° 27'24.42"
Khasbarh High School	22° 27'56.34"	87° 27'44.16"
Biswanathpur Pry.School,	22° 28'42.42"	87° 31'35.34"

## Annexure-C

1. Major Disaster faced by this District in 2019-2020 are a Cyclonic Storm “FANI” on 04<sup>th</sup> May 2019 and a Severe Cyclonic Storm “BULBUL” on 8<sup>th</sup> November 2019.

A Severe Cyclonic Storm “BULBUL”	
House Building Grant	Rs. 1,30,75,100/-
Contingency	Rs. 18,00,000/-
Agriculture	Rs. 195608.35/- Lakh
Paan Boroj	Rs. 4,45,90,000/-

A Cyclonic Storm “FANI”	
House Building Grant	Rs. 1,29,21,000/-
Contingency	Rs. 10,00,000/-

2. The Plan of Mock drill and training to be incurred with details of financial estimation are appended below:

Per Programme cost in Rs.	No of Sub-Division / Block	No of Programme to be held at each SD/Block	Total Numbers of Programme	Tentative Cost (Approx.) in Rs.
20,000/-	3 Sub-Division	3	9	18,0000/-
20,000/-	21 Blocks	3	63	12,60,000/-
Total No of Programme:			72	12,78,000/-

Therefore, total no of Mock Drill and Training will be held at this District is 72 Nos and an estimation of Rs. 12, 78,000/- (Rupees Twelve Lakh seventy Eight thousand) only/- may be required for the same purpose.

3. The Plan for procurement of Machinery / Instrument for the next year is appended below for this District:

List of required Equipment's for Search & Rescue, Paschim Medinipur.			
Sl. No.	Name of Equipment	Plan for Procurement	To be kept at
1.	Ascender New Manual peft	1	CD KGP -1
2.	PA Megaphone 20 watts Shoulder Sling Type 3331885 Model-AM 2015 3331887	30	CD KGP = 3 3 SD x 2 = 6 Block = 21
3.	Descender (Figure of 8)	1	CD KGP-1
4.	12 volt Battery for PA Megaphone	32	CD KGP = 3 3 SD x 2 = 6 HQ=2 Block= 21
5.	FRP Industrial Safety Helmet with LED (with visor)	64	CD KGP = 10 3 SD x 3 = 9 HQ =3 Block 21x2=42



6.	Hand held rechargeable Search Light with 2 chargers	53	CD KGP = 3 3 SD x 2= 6 HQ= 2 Block 21x 2= 42
7.	CBRN Mask with BA Set (Carbon Composite Cylinder)	2	CD KGP = 2
8.	Circular Saw with 1 Diamond Blade & 1 Abrasve Blade	27	CD KGP- 2 3 SD x 1= 3 HQ= 1 Block 21x 1= 21
9.	Sare Abrasive Blade for Circular Saw	2	CD KGP -2
10.	Bullet Chain Saw	32	CD KGP = 3 3 SD x 2= 6 HQ-2 Block 21x1 = 21
11.	Flat -Head Axe	55	CD KGP = 5 3 SD x 2= 6 HQ=2 Block 21 x2= 42
12.	Search CAM	1	CD KGP=1
13.	Rope Launcher	1	CD KGP=1
14.	Breathing apparatus	6	CD KGP = 2 3 SDx1= 3 HQ=1
15.	Portable search light	52	CD KGP = 2 3 SD x 2= 6 HQ=2 Block 21x2 = 42
16.	Light Mast	-	CD KGP=4
17.	Lifebuoy	60	CD KGP = 10 3 SD x 2= 6 HQ=2 Block 21x2 = 42
18.	Generator (Capacity wise)	1 (5kva)	CD KGP=1
19.	Breathing Air Compressor	1	CD KGP=1
20.	Extinguisher (ABC Type)	78	CD KGP = 3 3 SD x 3= 9 HQ=3 Block 21x3 = 63
21.	Rope	80Nos	3 SDx20= 60 HQ=20
22.	Gumboot	155	CD KGP= 30 3 SD x 5= 15 HQ= 5 Block 21x5 = 105
23.	Hale Round File	-	CD KGP=8
24.	Light for (Rescue Van)	-	CD KGP=1
25.	Mike Set	-	CD KGP= 1
26.	Fire Extinguisher Foam type	-	CD KGP=1
27.	Fire Extinguisher Soda Acid	-	CD KGP=1
28.	Fire Extinguisher	-	CD KGP=1
29.	H.F Sets	-	CD KGP= 1
30.	(Portable gen. set & Air Compressor) ASKA Inflatable light	1	CD KGP=1

31.	First Aid Box	78	CD KGP = 3 3 SD x 3= 9 HQ=3 Block 21x3 = 63
32.	Fire Entry Suit	2	CD KGP = 2
33.	Concrete Cutting Saw	26	CD KGP = 1 3 SD x 1= 3 HQ=1 Block 21 x1= 21
34.	Hammer Drill	-	CD KGP
35.	Life Jacket	135	CD KGP = 10 3 SD x 5= 15 HQ=5 Block 21x5=105
36.	Safety Gloves	135	CD KGP = 10 3 SD x 5= 15 HQ=5 Block 21x5=105
37.	Safety Goggles	135	CD KGP = 10 3 SD x 5= 15 HQ=5 Block 21x5=105

### List of Resources at Block Level

#### Resources under Daspur I

Sl No.	Catagory	Name of owner	Address	Phone No.
1.	Ambulance	Ganguly Babu	Daspur	9932617197
2.		Sanjeevani	Ghatal	9933771233 03225-255064
3.	Fire Brigade		Ghatal	8584027178 8584027179

#### Resources under Chandrakona II

Sl. No.	Name of GP	Name of Owner	Village	Category	Phone No.
1	Bhagabantapur-I	Moniruddin Khan	Chasibar	Tractor	9734801613
		Arabillah Khan	Krishnapur	Tractor	8158938709
		Dulal Khan	Krishnapur	JCB	8670611961
		Aksar Mallick	Krishnapur	Generator	8016252799
2	Bhagabantapur-II	poritosh Roy		Tractor	
		Sujoy Ghosh		Genarator Man	
		Sattar Khan		JCB	
3	Kuapur	Shyamal Pandit		Tractor	

		Biswanath Pandit		Genarator Man	
		Uttam Palodhi		JCB	
4	Basanchora	Anil Ghosh	Akatkola	Tractor	9800913623
		Alok Mondal	Akatkola	Tractor	9635845656
		Samaresh Patra	Bhalukkundu	Tractor	9800775585
		Amaresh Patra	Bhalukkundu	Tractor	9547439367
5	Bandipur-I	Ashoke Ghosh	Bagpota	Tractor	
		Jiten Maity	Atghora	Tractor	
		Sukumar Santra	Bagpota	Tractor	
		Gour Jana	Srirampur	Tractor	
		Khokan Khara	Tenpur	Genarator Man	
		Mahadev Hazra	Tenpur	Genarator Man	
		Sujit Pramanik	Kadamtala	Genarator Man	

### Resources under Pingla

Sl. No.	Registration No.	Catagory	Name of the Owner	Address	Mobile No.
1.	WB33B-7361	Tractor	Sk Maidul Islam	Kedar, Chandipur	8001250675
2.	WB12B-9309	JCB	SK.HUMAUN KABIR	ISLAMPUR, GODABAZAR	9932214812

### Resources under Dantan II

Sl No.	Item	Supplier	Address
1.	JCB	Swapan Pradhan Asgar Kaji Madan Das Sk. Asraf Ali	Sabra Patna, Sabra (9732620720) Jorageria Turka
2.	Roller	Mantu kr Bag	Baramohanpur (9831279515)
3.	Electronic Cutter	Ramhari Hemram	Kusumda
4.	Tractor	Dulal Rout Madan Das Fajlu Elahi Khan Najrul Khan Bharat Rana	Ramchandrapur(9932508115) Jorageria Sabra Khandarui(9679000299) Khandarui

### Resources under Narayangarh

Sl No.	Catagory	Name of owner	Address	Phone No.
1.	JCB	Akhil Giri	SHyampura	8116865029
2.	Tractor	Maloy De	Bakhrabad	9933940849

### Resources under Garhbeta II

#### List of Owners of Ambulances

Sl.No.	Name of Owner	Address	Contact no.	Vehicle No.
1.	Indrajit Mahata	Goaltore	9749367388	
2.	Ajit Mahata	Pingboni	8348935084	WB-33C/6663
3.	Bhim Karak	Bulanpur	9609200340	WB-33B/5095
4.	Makli Nirbhaya Sangha Club	Makli	8972765425	WB-36B/8682
5.	Amlasuli GP	Amlasuli	9933042344	
6.	Sudam Dey	Jogardanga	9564140477	
7.	Bidyut Sannigrahi	Malibandi		
8.	Faruk Khan	Madnapur		

#### List of Owneres of JCP/JCB

Sl.No.	Name of Owner	Address	Contact no.	Vehicle No.
1.	Surajit Ghosh	Goaltore		
2.	Ananta Kundu	Makli	9679773810	
3.	Madan Khan	Lalitpur	8145695946	

### List of Owners of Lorry/Tractor

Sl.No.	Name of Owner	Address	Contact no.	Type of Vehicles	Vehicle No.
1.	Dilip Bisui	Goaltore	9732827669	Truck	
2.	Monikanchan Kar	Goaltore	9932959769	Truck	
3.	Ujjal Das	Goaltore	9679262885/ 9800472455	Truck	
4.	Basudev Chakraborty	Goaltore	8371820537	Truck	
5.	Tapas Koley	Goaltore	9732413032	Tractor	
6.	Hirak Mahata	Pingboni	8016577747	Tractor	
7.	Pankaj Mahata	Pingboni		Tractor	
8.	Bapi Mahata	Daldali		Tractor	
9.	Rakharari Nandi	Bheduya		Tractor	
10.	Joydeb Nandi	Bheduya		Tractor	
11.	Jishupriya Ghosh	Khustora	9732838199	Tractor	
12.	Totan Mal	Patarpara	8509299153	Tractor	
13.	Laxman Karak	Sitalpur	9933663019	Tractor	
14.	Mithun Mal	Patarpara	9933570390	Tractor	
15.	Ajoy Pramanik	Sundargeria	7872216453	Tractor	
16.	Kashinath Ahir	Moyna	9932306027	Tractor	
17.	Ananta Kundu	Makli	9679773810	Tractor	

### List of Places for Landing of Helicopter Block wise

Sl. No.	Name of sub-division	Name of Block	No. Name of the Site	Latitude (N)	Longitude(E)
1.	Medinipur Sadar	Medinipur Sadar	Helipad Ground Khasjangal Cantonment, Near BDO Office (Permanent Helipad)	22°26'34.99"	87°19'10.63"
2.			Elahiganj Maidan	22° 26'03.0"	87° 21'55.5"
3.			Enayetpur Football Ground	22° 25' 58.7"	87° 12' 6.5"
4.			Midnapore College Collegiate Ground	22° 25' 21.9"	87° 19'33
5.		Salboni	ARTI Ground	22° 35' 53.3"	87° 19' 10.2"
6.			Pirakata High School Ground	22° 33' 50.9"	87° 10' 43.4"
7.			Bhimpur High School	22° 36' 19.9"	87° 06' 38.7"
8.			Debogram High School Play Ground	22°40'33.3"	87° 10.36'36.0"
9.		Garhbeta-I	Anchal Singh Stadium Ground	22° 51' 14.8"	87° 20' 49.3"
10.		Garhbeta-II	Talbandi School Football Ground	22° 51' 28.0"	87° 13' 36.7"
11.			Metaldoba Football Ground	22° 49' 09.0"	87° 14' 21.3"
12.		Garhbeta III	Manikbandh High School, 9732754243 (G.P. 4no. Uriasai)	22.69745	87.42888
13.			Nayabasad P.M. Shiksa Niketan, 9732620157 (G.P. 7no Nayabasad)	22.713	87.30067
14.		Keshpur	Sorai Ground, Keshpur, Paschim Medinipur	22° 34'14.6 "	87° 28'27.2"
15.			Sukuamar Sengupta Mahavidyalay Ground	22° 33'01.7 "	87° 27'14.8"
16.	Kharagpur	Kharagpur-I	Reshmi Metaliks Vehicle Parking Ground	22° 22' 41"	87° 16'45.9"
17.			Football Ground behind RAMCO Co., Kalaikunda-1 No. Gate	22° 19' 19.3"	87° 14'47.3"
18.			Inda Anandapalli (Near Inda College)	22° 21' 35.2"	87° 20' 06.2"
19.			Mirpur Adibasi Sporting Club Ground, Hijli, Kharagpur	22° 19' 14.3"	87° 19' 33.5"
20.		Kharagpur-II	Bar Basantapur, Opposite Telipukur Hat, Basantapur	22° 23' 50.32"	87° 29'11.90"
21.		Keshiary	Play Ground of Barida High School	22°12'15"	87°11'55"
22.			Play Ground of Khajra High School	22°7'38.9"	87°13'49.7"
23.			Play Ground of Santrapur High School	22°8'43"	87°17'21"
24.			Play Ground of Kusumpur High School	22°9'29.2"	87°11'36.6"
25.			Play Ground of Baghasty High School	22°06'40.8"	87°10'43.1"

26.	Ghatal		Play Ground of Nachhipur High School	22°05'28.5"	87°13'09.9"
27.			Play Ground of Bimaleswar Primary School	22°7'37.91"	87°13'52.37"
28.			Play Ground of Phandarh High School	22°05'49.8"	87°18'18.1"
29.		Debra	Trilochanpur K.K. High School	22°30'22.69"	87°37'40.17"
30.			Golgram R.B.B.M Higher secondary School	22°28'13.38"	87°37'55.38"
31.			Boulasini High School Ground	22°32'19.32"	87°33'25.05"
32.			Bhabanipore High School Ground	22°33'10.11"	87°35'48.7"
33.			Bhajahari Institution Ground	22°21'29.72"	87°33'2.44"
34.			Debra Harimati Saraswat Vidyamandir	22°24'45.56"	87°34'38.36"
35.			Golgram Flood Shelter	22°28'31.86"	87°37'51.48"
36.			Lowada High School Ground	22°34'0.63"	87°32'47.60"
37.			Marahtola Satyaswar Institution	22°27'12.53"	87°33'50.68"
38.		Dantan-II	Purunda Play Ground	21°56'53.64"	87°25'48.68"
39.			Sabra Dosatunia MSK ground at Sabra	21°58'45.6"	87°23'58.4"
40.			Uttar Dhaneswarpur Goru Hat ground at Dhaneswarpur	22°00'36.0"	87°25'17.8"
41.		Pingla	Boalia Batitaki	22°22'37.8"	87°54'43.56"
42.		Sabong	Basantapur HS Ground	22°13'26.2"	87°31'48.3"
43.			Boalia Play Ground	22°13'34.8"	87°32'50.8"
44.		Narayangarh	Bakhrabad (Uttar Korkora)	22°06'51.9"	87°22'24.7"
45.			Belda Stadium, Belda	22°02'47.6"	87°20'39.6"
46.		Ghatal	Sabuj Sangha Ground	22°36'11.2"	87°43'18.4"
47.			Kalora school ground	22°32'42.1"	87°43'41.3"
48.			Talibhata football ground	22°33'56.4"	87°43'32.0"
49.			Nimtala football ground	22°38'09.5"	87°42'31.6"
50.		Daspur-II	Sonakhali BPHC attached Ground	22°32'52.6"	87°46'3.3"
51.			Chaipat High School Ground	22°34'8.03"	87°48'20.8"
52.		Ghatal	Aurobinda Stadium	22°39'22.5"	87°44'8.9"
53.		Chandrakona-II	Krishnapur R.H. School Ground at Krishnapur	22°49'29"	87°32'3"
54.			Bhagabantapur J.S. High School Ground at Bhagabantapur	22°48'3"	87°30'7"
55.			Basanchora Primary Health Centre Ground at Chhatraganja	22°46'44"	87°31'18"
56.			Chandrakona Jirat High School Ground at Chandrakona	22°44'3"	87°31'10.4"
57.			Jhakra H.S. School Ground at Jhakra	22°41'20"	87°33'29"

## List of Places for Air Dropping of Relief Material

<b>Dantan-II</b>	Satunia Ground, Sabra	21° 58' 45.6"	87° 23' 58.4"
	Ground of Dhaneswarpur Haat	22° 00' 36.0"	87° 25' 17.8"
<b>Chandrakona-II</b>	Krishnapur R.H. School Ground at Krishnapur	22° 49' 29"	87° 32' 3"
	Bhagabantapur J.S. High School Ground at Bhagabantapur	22° 48' 3"	87° 30' 7"
	Basanchora Pry. Health Center Ground at Chhatraganja	22° 46' 44"	87° 31' 18"
	Chandrakona Jirat High School Ground at Chandrakona	22° 44' 3"	87° 31' 10.4"
	Jhakra H.S. School Ground at Jhakra	22° 41' 20"	87° 33' 29"
<b>Keshiary</b>	Vill. – Barida, P.O. – Barida, G.P. – Ghitagram, Mob :- 9800375727	22° 12' 15"	87° 11' 55"
	Vill. – Khajra, P.O. – Kushgeria G.P. – Khajra, Mob :- 9733839331	22° 7' 38.9"	87° 13' 49.7"
	Vill. + P.O. + G.P. – Santrapur, Mob :- 9733787575	22° 8' 43"	87° 17' 21"
	Vill. + P.O. – Binandapur, G.P. – Kusumpur, Mob :- 9593118857	22° 9' 29.2"	87° 11' 36.6"
	Vill. + P.O. – Baghasty, G.P. – Baghasty, Mob :- 9475890769	22° 06' 40.8"	87° 10' 43.1"
	Vill. + P.O. – Nachipur, G.P. – Nachipur, Mob :- 9434960089	22° 05' 28.5"	87° 13' 09.9"
	Vill. – Hospital Road, Keshiary, P.O. + G.P. – Keshiary, Mob: 9733124656	22° 7' 37.91"	87° 13' 52.37"
<b>Pinglah</b>	Vill. – Phandarh, P.O. – G.P. – Lalva,	22° 05' 49.8"	87° 18' 18.1"
	Jalchak N.N. Vidyatan High School Ground, Jhalchak II G.P.	22° 14' 27.48"	87° 40' 15.20"



## Annexure-D

### Multipurpose Flood / Cyclone Shelter under Paschim Medinipur District constructed under the financial assistance of Disaster Management Department

Sl. No.	Name of Block	Land schedule	Latitude (N)	Longitude(E)
1.	Keshpur	<ul style="list-style-type: none"> <li>J.L. No. 282</li> <li>Mouza- Suratpur,</li> <li>Plot No. 945 / 984</li> </ul>	22° 35' 30.43"	87° 33' 23.19"
2.	Dantan-I	<ul style="list-style-type: none"> <li>J.L. No. 45</li> <li>Mouza- Pundra,</li> <li>Plot No. 1125</li> </ul>	21° 54' 31.81"	87° 16' 9.45"
3.		<ul style="list-style-type: none"> <li>Mouza-Hasimpur</li> <li>JL No.99,</li> <li>Plot No.21</li> </ul>	21° 56' 08"	87° 16' 46"
4.	Daspur-I	<ul style="list-style-type: none"> <li>J.L. No. 17</li> <li>Mouza- Nij-Narajole,</li> <li>Plot No. 235,227,228,229</li> </ul>	22° 34' 35"	87° 36' 53"
5.		<ul style="list-style-type: none"> <li>Mouza-Ramchandrapur</li> <li>JL No.139, Plot No.474</li> </ul>	22° 31' 26"	87° 42' 03"
6.	Ghatal	<ul style="list-style-type: none"> <li>J.L. No. 82</li> <li>Mouza- Digha Anandapur,</li> <li>Plot No. 174</li> </ul>	22° 40' 21.6"	87° 38' 25"
7.		<ul style="list-style-type: none"> <li>Mouza-Gholsai</li> <li>JL No.100,</li> <li>Plot No.115</li> </ul>	22° 36' 35.1"	87° 37' 16.4"
8.	Salboni	<ul style="list-style-type: none"> <li>Mouza-Chaktarini</li> <li>JL No.401,</li> <li>Plot No.1/474</li> </ul>	22° 38' 33.6"	87° 19' 01.5"
9.	Medinipur Sadar	<ul style="list-style-type: none"> <li>Mouza-Malkuri</li> <li>JL No.24, LR-12 /RS-11</li> </ul>	22° 29' 19.06"	87° 7' 42.86"
10.	Sabong	<ul style="list-style-type: none"> <li>Mouza-Bhemua</li> <li>Plot No.2727</li> </ul>	22° 12' 46.5"	87° 40' 52.63"
11.	Mohanpur	<ul style="list-style-type: none"> <li>Mouza-Dobariya</li> <li>JL No.190,</li> <li>Plot No.380</li> </ul>	21° 48' 05.4"	87° 18' 26.3"
12.	Garhbeta-II	<ul style="list-style-type: none"> <li>Mouza-Babuidanga</li> <li>J.L. No. 180,</li> <li>Plot No. 20</li> </ul>	22° 50' 57.2"	87° 10' 37.4"
13.	Pingla	<ul style="list-style-type: none"> <li>Mouza- Samsara</li> <li>J.L. No. 217,</li> <li>Plot No. 173</li> </ul>	22° 19' 22.44"	87° 42' 34.40"

## RELIEF GODOWN UNDER PASCHIM MEDINIPUR DISTRICT

Sl. No.	Name of Sub-Division / Block	Land schedule	Latitude (N)	Longitude(E)
1.	BDO Ghatal	<ul style="list-style-type: none"> <li>J.L. No. 71</li> <li>Mouza- Ranirbazar, Plot No. 844/949</li> </ul>	22°40'19.2"	87°41'30.6"
2.	SDO Ghatal	<ul style="list-style-type: none"> <li>J.L. No. 147</li> <li>Mouza- Konnagar, Plot No. 267</li> </ul>	22° 39' 35"	87° 44' 10"
3.	BDO Kharagpur-II	<ul style="list-style-type: none"> <li>J.L. No. 385</li> <li>Mouza- Madpur, Plot No. 302</li> </ul>	22° 22' 18.5"	87° 26' 20.9"
4.	BDO Pingla	<ul style="list-style-type: none"> <li>J.L. No. 83</li> <li>Mouza- Pingla, Plot No. 569</li> </ul>	22°17'3.29"	87°35'7.65"
5.	B.D.O. Dantan-I	<ul style="list-style-type: none"> <li>J.L. No. 72</li> <li>Mouza- Punja, Plot No. 439</li> </ul>	21° 59' 51.5"	87° 17' 56.5"
6.	B.D.O. Medinipur Sadar	<ul style="list-style-type: none"> <li>J.L. No. 153</li> <li>Mouza- Muradanga, Plot No. 60</li> </ul>	22°26'27.9"	87°19'04.9"
7.	B.D.O. Garhbeta-II	<ul style="list-style-type: none"> <li>J.L. No. 111</li> <li>Mouza- Balibandh, Plot No. 192</li> </ul>	22° 42' 22.6"	87° 10' 24.7"
8.	B.D.O. Daspur-I	<ul style="list-style-type: none"> <li>J.L. No. 54</li> <li>Mouza- Nunigoda, Plot No. 25</li> </ul>	22° 36' 34.86"	87° 43' 21.03"
9.	B.D.O. Chandrakona-I	<ul style="list-style-type: none"> <li>J.L. No. 215</li> <li>Mouza- Bamaria, Plot No. 1511</li> </ul>	22° 41' 59.10"	87° 37' 14.34"
10.	S.D.O. Medinipur Sadar	<ul style="list-style-type: none"> <li>Mouza -Barpathar Cantonment</li> <li>JL No.168, Plot No.550</li> </ul>	22° 25'41.3"	87° 19' 07"
11.	B.D.O, Salboni	<ul style="list-style-type: none"> <li>Mouza -Chaktarini</li> <li>JL No.401, Plot No.474</li> </ul>	22°38'34.72"	87°19'6.27"
12.	B.D.O, Garhbeta-I	<ul style="list-style-type: none"> <li>Mouza -Gangani</li> <li>JL No.485, Plot No.75</li> </ul>	22° 51' 25.5"	87° 21' 05.5"
13.	B.D.O, Garhbeta-III	<ul style="list-style-type: none"> <li>Mouza -Durlavganj</li> <li>JL No.465, Plot No.812</li> </ul>	22° 43' 58.6"	87° 20' 09.4"
14.	B.D.O, Chandrakona-II	<ul style="list-style-type: none"> <li>Mouza -Chandrakona</li> <li>JL No.103, Plot No.RS-442/LR-512</li> </ul>	22° 44' 7.27"	87° 30' 44.29"

## Information regarding Flood 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
Keshpur	2015	800	4	8000	7200	Mouza: Suratpur
Dantan-I	2014	800	5	6000	5200	Mouza: Pundra
	2017	800	5	5000	4200	Mouza: Hasimpur
Daspur-I	2015	800	10	10000	9200	Mouza: Nij-Narajole
	2017	800	5	5000	4200	Mouza: Ramchandrapur
Ghatal	2015	800	2	20000	19200	Mouza: Gholsai
	2014	800	2	15000	14200	Mouza: Digha Anandapur
Salboni	2016	1000	16	12600	11600	Mouza: Chaktarini
Medinipur Sadar	2016	800	6	10000	9200	Mouza: Malkuri
Sabong	2016	800	8	4200	3400	Mouza: Bhemua
Mohanpur	2017	800	10	5000	4200	Mouza: Dobariya
Garhbeta-II	2015	800	9	15000	142000	Mouza: Babuidanga
Pingla	2017	800	7	5000	4200	Mouza: Samsara

## Disaster Management Vulnerability

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 of Tsunami	If vulnerable to landslide, mention number of people likely to be affected in case of landslide	If vulnerable to chemical/industrial disaster, mention number of people likely to be affected.	People likely to be affected by other disasters, if any-(mention disaster & number of people)	Total number of people given in column 2 to 7	Earthquake vulnerability zone	Priority ranking as per vulnerability to multiple disasters
Kharagpur I	45000	45000	0	0	0	0	90000	3	
Kharagpur II	60000	60000	0	0	0	0	120000	3	
Dantan I	40000	40000	0	0	0	0	80000	3	
Dantan II	35000	35000	0	0	0	0	70000	3	
Narayanganarh	35000	35000	0	0	0	0	70000	3	
Debra	4000	4000	0	0	0	0	8000	3	
Pingla	4000	4000	0	0	0	0	8000	3	
Sabong	6000	12000	0	0	0	0	18000	3	
Keshiary	28000	28000	0	0	0	0	56000	3	
Mohanpur	20000	30000	0	0	0	0	50000	3	
Medinipur Sadar	15000	18000	0	0	0	0	33000	3	
Garhbeta I	5000	7000	0	0	0	0	12000	3	
Garhbeta II	8000	12000	0	0	0	0	20000	3	
Garhbeta III	8000	12000	0	0	0	0	20000	3	
Salboni	12000	12000	0	0	0	0	24000	3	
Keshpur	20000	20000	0	0	0	0	40000	3	
Chandrakona I	45000	5000	0	0	0	0	50000	3	
Chandrakona II	35000	3000	0	0	0	0	38000	3	

Ghatal	85000	3000	0	0	0	0	88000	3	
Daspur I	50000	2000	0	0	0	0	52000	3	
Daspur II	70000	3000	0	0	0	0	73000	3	
Medini pur Sadar Municipality	6000	6000	0	0	0	0	12000	3	
Kharagpur Municipality	7000	15000	0	0	0		21000	3	
Ghatal Municipality	25000	2000	0	0	0	0	28000	3	
Kharar Municipality	30000	3000	0	0	0	0	33000	3	
Khirpai Municipality	13000	5000	0	0	0	0	18000	3	
Chandrakona Municipality	17000	3000	0	0	0	0	20000	3	
Ramjibonpur Municipality	12000	5000	0	0	0	0	17000	3	

### Information regarding Heritage Structure / Building under Paschim Medinipur

Sub-Division/ Block	Name of Heritage Building	Address	Significance	Year of Construction	Block/Municipality/ Police Station	Whether prone to Inundation (Y/N)	Whether located in Landslide /EQ/Cyclone/Tsunami prone zone, if so, specify	Whether sufficient firefighting arrangement is there	remarks
Kharagpur I	Nil	NA	NA	NA	NA	NA	NA	NA	NA
Mohanpur	Jaganath Temple	Mohanpur, Paschim Medinipur	At the time of Chaitany Mahaprabhuthis temple was established in the style of Orissa state	500 Years ago	Mohanpur	Yes	Cyclone	No	Proposal sent to declare as Heritage building
Pingla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Daspur I	Narajole Rajbari	Vill: Nij-Narajole, PO. Narajole, PS. Daspur	A bright tourism potential	1818 AD	Daspur I	No	No	No	NA
Narayanganj	House of Hemchandra Kanungo	Vill: Radhanagar, PO. Garh-Radhanagar, PS. Belda	House of a freedom fighter	100 years	Hemchandra Gram Panchayat	No	No	No	Heritage building not declared by W.B Govt

## Annexure-E

### DISASTER MANAGEMENT TELEPHONE DIRECTORY

#### List of important officers with their telephone numbers

Sl. No.	Name of the Officer and designation	STD Code No.	Telephone Numbers		Mobile No:
			Office	Residence	
1.	Uttara Singha (Hazra), Sabhadhipati, Paschim Medinipur Zilla Parishad	03222	275428	275354	9434992398
2.	Dr. Rashmi Kamal, IAS, District Magistrate, Paschim Medinipur	03222	275571 260289	275570 275315 275427 (Fax)	9434750400 9933350400
3.	Dinesh Kumar, IPS SP, Paschim Medinipur	03222	275609	275608	9083269500
4.	Pranab Biswas, W.B.C.S. (EXE) Additional District Magistrate(General), Paschim Medinipur	03222	275455 275785 (Fax)	275603	8348691701
5.	Additional District Magistrate(Dev), Paschim Medinipur	03222	275272 273886 (Fax)	275371	8348691703
6.	Additional District Magistrate(ZP), Paschim Medinipur	03222	276582 275071	276735	8348691704
7.	Additional District Magistrate(LR), Paschim Medinipur	03222	275630 263796	275415	8348691702
8.	Pratima Das, W.B.C.S. (EXE) Additional District Magistrate (Panchayat), Paschim Medinipur	03222	276582	276582	8348691781
9.	Sub-Divisional Officer, Medinipur Sadar	03222	275330 275333 (Fax)	275231	8348691720
10.	Sub-Divisional Officer, Kharagpur	03222	225345 225516 (Fax)	278859	8348691721
11.	Sub-Divisional Officer, Ghatal	03225	255145 255022 (Fax)	255145	8348691724
12.	Kaberi Chatterjee, Karmadhyaksha, Sishoo O Nari Unnayan, Janakalyan O Tran Sthayee Samiti, Paschim Medinipur Zilla Parishad.	-	-	-	8016655803
13.	Officer-in-Charge, Disaster Management Department, Paschim Medinipur	03221	275894	-	9733005768
14.	District Disaster Management Officer, Paschim Medinipur	03221	275894	-	9163460173

15.	District Disaster Management Professional, Paschim Medinipur	03221	275894		7278744530
16.	Officer-in-Charge, Disaster Management Department, Ghatal	03225	255040		
17.	Addl. S.P.(H.Q.), Paschim Medinipur	03222	263528 263531	Extn.-10	9083269502
18.	Addl. S.P., Kharagpur	03222	225413	255895	9083269501
19.	Commandant, 2 Bn. NDRF (Haringhata)	033	258750 32 (Fax)		9474116775 9474061104
20.	Commandant, Indian Coast Guard, Haldia	03224	267755 264541 (Fax)		
21.	CISF, Haldia	03224	252229		
22.	Kolkata Police, Disaster Management Group (for Diver)	033	226266 27 225051 36 (Fax)		9831161075 9432610946
23.	Superintending Engineer, I & W. Midnapore. Western Circle – II	03222	263055	268495	9434416427
24.	Supdt Engr, PWD	03222	275350	275491	9903423423
25.	Supdt Engr, PWD (Roads)	03222	275565	275444	9433141757
26.	Supdt Engr, WBSEDCL – ‘D’ Circle, Near Midnapore Central Bus Stand.	03222	275275		9434020715
27.	Superintending Engineer, Agri- Mech, Midnapore Circle. Near DAV school, Dak-Bungalow Road, Midnapore.	03222	275344		9831005926
28.	Executive Engineer, I & W West Midnapore Divn.	03222	275373	275466 9433174755	8017117268
29.	Executive Engineer, I&W KKB Project Division	03222			9434362484
30.	Executive Engineer, I&W, Subarnarekha H.Q. Division				9732188140
31.	Executive Engineer, I&W, Subarnarekha Barrage Division				9474508705
32.	Executive Engineer, Agri-Mechanical, Paschim Medinipur	03222	275765	267381	747904593 9932814124
33.	Exe. Engineer, Agri Irrign. Aurobindanagar.	03222	275465	275616	9434341359
34.	Executive Engineer, P.H.E. (Mech.), Midnapore	03222	228412		9732063914
35.	Executive Engineer, PHE (Civil) Paschim Medinipur Division.	03222	275243	266045	9434692234
36.	Pradip Banerjee, Executive Engineer, (PWD) Medinipur Division				9083283901



37.	Executive Engineer, Highway Divn. I, PWD Roads	03222	275365	275391 227948	9434305611
38.	Executive Engineer, Highway Divn. II, PWD Roads	03222	275672	275674	9830180388
39.	Executive Engineer, PWD Divn.I	03222	275392		9433436984
40.	Executive Engineer, National Highway Division II				9083283756
41.	Assistant Executive Engineer, Central Water Commission (Flood Forecasting sub-divn, Mid) Backside road of Midnapore Church School.	03222	275283		9933140706
42.	Asstt. Engineer, Irrigation Panskura-II	03228	252220		9434362484
43.	Asstt. Engineer, Irrigation & Waterways, Midnapore at Ghatal	03225	255096		9474450321
44.	Exe. Engr, East Midnapore Divn., Flood Cell	03228	266889	266889	9830013250
45.	Chief Medical Officer of Health, Paschim Medinipur	03222	275695 275773	275567	9434134956
46.	Dy. CMOH-II, Paschim Medinipur	03222	275854		8001937278
47.	Asstt. Superintendent of MMCH, Paschim Medinipur	03222	275503	275710	9735344377
48.	District Manager, F.C.I., Paschim Medinipur Near Mission Girls School	03222	275424		9800004369
49.	District Controller, F & S, Paschim Medinipur at Rajabazar.	03222	275577		9474020333
50.	F.C.I. Godown	03222	275563		
51.	Dy. Director of Agriculture (Admn) (West), Midnapore	03222	275205	275316	9831609420
52.	Dy. Director, A.R.D. & Parishad Officer, Midnapore (W)	03222	275951 275831 275729	271362	7604010039
53.	Assistant Director of Agriculture (Admn), Midnapur.	03222	275143		9434513684
54.	Deputy Controller, Civil Defence, Kharagpur	03222	225513		8348691728
55.	O/C Fire Brigade, Medinipur	03222	263895		9800211192
56.	Indian Red Cross Society, Midnapore	03222	275438		9434055029
57.	Safety Officer, Kharagpur, SE Railway	03222	257950		
58.	DRM, Kharagpur Div. SE Railway	03222	255504	kgpdrm@g mail.com	9002081000
59.	ADRM, Kharagpur Div. SE Railway	03222	244283		9002081001
60.	D.F.O. Midnapore Division	03222	275869		9434009512
61.	D.F.O. Rupnarayan Division				9434320430
62.	D.F.O. Kharagpur Division				9433730151
63.	Deputy Director, Fishery, Mid (W)	03222	275610		9434010610
64.	CEO, F.F.D.A., Midnapore	03222	275653		9434203465

65.	SE(E) & R.M. WBSEDCL, Paschim Medinipur	03222	275275		7449305050
66.	Dy. Director, Sericulture, Mid (W)	03222	275024		9434723146 8969569317
67.	Dy. Director, FPI&Horticulture, Mid (W)	03222	263955		9434517568
68.	Chairman, Midnapore Municipality	03222	275384	275998	9933030198
69.	Midnapore Municipality Water Supply	03222	265151		
70.	Chairman, Chandrakona Municipality	03225	266221 / 267388		
71.	Chairman, Kharagpur Municipality	03222	255347		9476329419 / 9932399635
72.	Chairman, Kharar Municipality	03225	262235		9002465879
73.	Chairman, Khirpai Municipality	03225	260233		9732770929
74.	Chairman, Ramjibanpur Municipality	03225	279523		9647001610
75.	Chairman, Ghatal Municipality	03225	255059		9434243454
76.	Registrar, IIT Kharagpur	03222	282022	registrar@h ijli.iitkgp.er net.in	

### OTHER IMPORTANT TELEPHONE NUMBERS

Sl. No.	Name of the Officer and Designation	Name of STD Exchange	STD Code No.	Telephone Numbers	
				Office	Residence
1.	Chief Secretary, Government of West Bengal	Kolkata	033	2214-5858	2321-5555
2	Principal Secretary, (Home Police) Government of West Bengal	Kolkata	033	2214-5656	2337-1322
3	Secretary, Government of West Bengal, Disaster Management Department	Kolkata	033	2214-3674	2223-2427
4.	Jt. Secretary, Govt. of West Bengal, Disaster Management Department	Kolkata	033	2214-5855	
5.	Director of Disaster Management, Govt. of West Bengal	Kolkata	033	2244-2795	
6.	Dy. Director of Disaster Management, Govt. of West Bengal	Kolkata	033	22447358	
7.	Area Cyclone Warning Centre, Kolkata	Calcutta	033	24793941 24793942 24793943	2493059

8.	1905 Light Regiment Artillery C/O 99 APO, Kanchrapara, Dist. 24- Parganas (North).	Contact: Major	Company Command er, Kanchrapa ra	033- 25871464	
9.	CWDS, Alipur	Kolkata	033	24398744	
10.	Secy. I&WD, Jalasampad Bhaban, Saltlake City, Bidhannagar, Kolkata-91	Kolkata	033	23216980 23378489	
11.	Chief Engineer-I, I&WD Jalasampad Bhaban, Saltlake City, Bidhannagar, Kolkata- 91	Kolkata	033	23215749	Fax 23346245
12.	Chief Engineer-II, I&WD Jalasampad Bhaban, Saltlake City, Bidhannagar, Kolkata- 91	Kolkata	033	23215327	Fax 23214928
13.	Flood Control Room, I&WD	Kolkata	033	23218341	
14.	DVC Office	Kolkata	033	23551247	9831954278
15.	Control Room, Kol	Kolkata	033	23553988	
16.	Central Land Despatch Control	Maithan	06540	294837	
17.	Exe. Engr, Durgapur, Barrage	Durgapur Barrage	0343	2557268	
18.	Executive Engineer, Kangsabati-II, Khatra, Bankura (Barrage Division)	Khatra	03243	255236	255272
19.	CWC, Kolkata	Kolkata	033	23373296	
20.	CWC, Asansole	Asansole	0341	2253442	

### Contact details of Block Development Officers

Name of Block	Contact No. Of BDO	Office Information		
		Office No.	Fax No.	Email ID
Daspur-I	8348691760	03225-254235	--	bdodaspur1@gmail.com
Daspur-II	8348691761	03225-248366	03225-248366	bdodasp2@gmail.com
Ghatal	8348691759	03225-255045	03225-255045	bdoghatal9@gmail.com
Chandrako na-I	8348691762	03225-260235	--	chandrakona1@gmail.com
Chandrako na-II	8348691763	03225-266239	03225-266239	bdockn2@gmail.com
Sabong	8348691744	03222-249232	03222-249232	bdosabang@gmail.com

Pingla	9002010896	03222-238542	03222-238542	pinglablock@gmail.com
Kharagpur-II	9434145944	03222-247235	--	bdokharagpur2@rediffmail.com
Debra	9434030727	03222-244273	03222-294357	bdodebra@rediffmail.com
Dantan-II	8348691747	03229-259257	03229-259257	bdodan2@gmail.com
Mohanpur	9733559848	03222-232239	--	bdo_mohanpur@rediffmail.com
Dantan-I	9434060611	03229-253234	03229-253234	bdo@dantan1.in
Keshiary	9932638009	03229-252236	--	bdokeshiary@gmail.com
Narayangarh	9434403232	03229-255229	03229-255300	bdongrblock@gmail.com
Kharagpur-I	8697688796	03222-291032	03222-291032	kgplps@gmail.com
Garbeta-I	8348691738	03227-265053	03227-267492	bdo.garh1@gmail.com
Garbeta-II	8348691739	03227-288237	03227-288266	garhbeta2@gmail.com
Garbeta-III	8348691740	03227-282274	03227-282274	bdo@garhbeta3.in
Salboni	8436517938	03227-285229	03227-285229	bdosalboni@gmail.com
Keshpur	9932032596	03222-750248	03227-50248	keshpurbdo@gmail.com
Medinipur Sadar	8348691735	03222-275211	03222-275211	midsadarbdo@gmail.com

### Contact details of SDDMOs / BDMOs / BDMO-in-Charge

Name of SDO/Block	Name of BDMO / BDMO-in-Charge	Contact No.	CUG
Medinipur Sadar, SDO	Partha Sarathi Goswami	9734865227	9073937637
Kharagpur, SDO	Asish Mahapatra	9434510348	9073937575
Ghatal, SDO	Shib Prasad Ghosh	9432844307	9073937676
Medinipur Sadar	Arun Deswali	9932209376	9073940125
Salboni	Santosh Kumar Saha, I/C	9932325245	9073940130
Keshpur	Subhankar Pal	9733586292	9073940129
Garhbeta-I	Partha Chakraborty	9733664878	9073940126
Garhbeta-II	I/C	9933897166	9073940127
Garhbea-III	I/C	9434104333	9073940128
Kharagpur-I	Debojit Maity	9434960707	9073940118
Kharagpur-II	Bivas Sasmal	7001008660	9073940119
Narayangarh	I/C	7872609123	9073940122
Keshiary	Manas Sinha	9475426492	9073940123
Dantan-I	I/C IDO	7001595605/ 7478189451	9073940115
Dantan-II	Subhojit Ojha I/C	9933972129	9073940116
Debra	Subhendu Sarkar	9733700539	9073940124
Sabong	Sudhir Banik I/C	7031022665	9073940120
Pingla	Bhaktipada Pradhan	8900365378	9073940117
Mohanpur	Ajit Ganguli	9732512169	9073940121
Ghatal	Tarun Kumar Karak	9474735757	9073940135
Daspur-I	Sanjib Kumar Sahu	9775518253	9073940133
Daspur-II	Rajdeep Mitra	9836724148	9073940134
Chandrakona-I	I/C	9933053919	9073940131
Chandrakona-II	Biswajit Bol, I/C	9732806521	9073940132

### Contact details of Sabhapati of Panchayat Samities

Sl.No.	Name of the Panchayat Samiti	Name of the Sabhapati	Mobile No
1	Garbeta-I	MITA SENAPATI	9932970691
2	Garbeta-II	MANJU DULEY	9933403090
3	Garbeta-III	AKASH DIP SINHA	9434104666
4	Salboni	MINU KOYORHI	8388990198
5	Keshpur	SUBHRA DEY (SENGUPTA),	9933028373
6	Midnapore Sadar	SRABANTI MONDAL	9382078891
7	Debra	MOUSUMI MURA	8972654633
8	Kharagpur-I	MALA DOLAI	6297030903
9	Kharagpur-II	SEK ANSU RAHAMAN	7550988491
10	Dantan-I	ANANTA MANDI	7407130354
11	Dantan-II	DURGESH NANDA	9933368856
12	Narayangarh	NAMITA SINGH	7384782050
13	Pingla	BIRENDRA NATH MAITI	973244517
14	Sabong	HAZRA BIBI	9734452471
15	Mohanpur	TAPAN KUMAR PRADHAN	9732675112
16	Keshiary	---	---
17	Ghatal	RUPA MANNA	9614762150
18	Daspur-I	SUNIL BHOWMICK	9434895463
19	Daspur-II	PROTIMA DOLOI	9800639044
20	Chandrakona-I	SURJYA KANTA DOLOI	9635517177
21	Chandrakona-II	HIRALAL GHOSH	9635375356

### Contact details of Karmadhyaksha of P.S. (Tran Sthayee Samity)

Sl. No.	Panchayat Samity	Name	Mobile No.
1.	Garhbeta-I	Putul Adhikari	9800538042
2.	Garhbeta-II	Monalisha Samota	6296696140
3.	Garhbeta-III	Pratima Mahata	7602590938
4.	Salboni	Bulti Singha	7318838146
5.	Keshpur	Lakshmi Pandit	9679108392
6.	Medinipur Sadar	Rita Thanadar	9835994814
7.	Debra	Shraboni Ghosh	8617061733
8.	Kharagpur-I	Mallika Mudi	9800831198
9.	Kharagpur-II	Mita Sutradhar	8348730368
10.	Dantan-I	Jharna Das	9733526846
11.	Dantan-II	Kajal Jana (Rana)	6297205758
12.	Narayangarh	Laxmi Mandi	7602359357
13.	Pingla	Rabiya Bibi	7908142289
14.	Sabong	Mousumi Das	7679437231
15.	Mohanpur	Anindita Das	6267860815
16.	Keshiary	---	---
17.	Ghatal	Aparna Khatua	9733332400
18.	Daspur-I	Gita Goswami	9609415343
19.	Daspur-II	Anushree Ari Patra	7980402078
20.	Chandrakona-I	Sampa Mondal	8768757870
21.	Chandrakona-II	Pratima Samanta	8906245640

**MOBILE NUMBER AND LAND LINE TELEPHONE OF POLICE OFFICERS AND  
POLICE STATIONS IN PASCHIM MEDINIPUR DISTRICT**

SL. No	Rank	Landline Number	Email ID	CUG No.
1	Supdt. of Police, Paschim Medinipur	03222-275609 (O) 03222-275608 (R)	Sppaschimmedinipur@gmail.com	9083269500
2	Addl SP (HQ), Paschim Medinipur	03222-263528	Sachinmakkar1@gmail.com	9083269502
3	Addl. SP (Kharagpur), Paschim Medinipur	03222-225413	Sog10kgp@gmail.com	9083269501
4	SDPO-Kharagpur, Paschim Medinipur	03222-255973	sdpokharagpur@gmail.com	9083269503
5	SDPO-Ghatal, Paschim Medinipur	03222-271318	sdpoghatal@gmail.com	9083269506
6	DySP(Oprns), Paschim Medinipur	03222-263526	dspopswmdp@gmil.com	9083269504
	DySP(D&T), Paschim Medinipur	03222-273893	dspd&tpas.mdp@gmail.com	9083269505
7	DySP(Admn), Paschim Medinipur	03222-271318		9083269507
8	DySP(Crime), Paschim Medinipur	03222-271318		9083269506
9	DySP(Traffic), Paschim Medinipur	03222 - 276943	dysptraffics.mdp@gmail.com	9083269508
10	DySP(DIB), Paschim Medinipur	03222-263525	dibwmdpn@gmail.com	9083269509
11	DySP(DEB), Paschim Medinipur	03222-267142	dsdeb2000@gmail.com	9083269510
12	DySP(AP), Paschim Medinipur	Extn. 244	tcwmdp@gmail.com	9083269511
13	RI, Paschim Medinipur	03222-266212	rimdpw@gmail.com	9083269550
14	HA Police Office	03222-263529		9083265790
15	CI, Kharagpur	03222-225972/ 8017467884		9083269512
16	CI, Sadar Office at CK Road	03227-283253		9083269513
17	CI, Ghatal	03225-255075		9083269514
18	CI Debra	03222-244177		9083269515
19	CI Belda	03229-255273		9083269516
20	CI Keshpur	03222-275125 Ext-229		9083269517
21	Sr. Adj. HG	Ext. 248		9083265797
22	I/C Dantan PS	03229-253236	dantanpolice@gmail.com	9083269518
23	I/C Keshiary PS	03229-252218	keshiaryps@gmail.com	9083269519
24	I/C Kharagpur (T) PS	03222-255967 03222-255969	pskharagpurtown@gmail.com	9083269520
25	I/C Kotwali PS	03222-275716	Kotwalips.mdpwest@gmail.com	9083269521
26	I/C Salboni PS	03227-285228	pssalboni@gmail.com	9083269522
27	I/C Lalgah PS	03221-263202 03222-263250		9083269523
28	I/C Goaltore PS	03227-288235	goaltoreps@gmail.com	9083269524
29	O/C Garhbeta PS	03227-265028	garbetaps@gmail.com	9083269525

30	O/C Chandrakona PS	03225-266250	chandrakonaps@gmail.com	9083269526
31	O/C Ghatal PS	03225-255021	Ghatalps.police@gmail.com	9083269527
32	O/C Daspur PS	03225-254239	Psdaspurwmdp777@gmail.com	9083269528
33	O/C Keshpur PS	03227-250233	Keshpurps1@gmail.com	9083269529
34	O/C Anandapur PS	03227-252100	anandapurps@gmail.com	9083269530
35	O/C Kharagpur (L) PS	03222-227841	pskgplocal@gmail.com	9083269531
36	O/C Narayangarh PS	03229-258238	Narayangarhps1000@gmail.com	9083269532
37	O/C Belda PS	03229-255240	psbeldmdpw@gmail.com	9083269533
38	O/C Pingla PS	03222-238546	pspingla@gmail.com	9083269534
39	O/C Sabang PS	03222-249201	ocssabangps@gmail.com	9083269535
40	O/C Debra PS	03222-244246	psdebra@gmail.com	9083269536
41	I/C Mohanpur PS	03220-232233	Psmohanpur.wbp@gmail.com	9083269537
	O/C Gurguripal PS	9083269589		9083269588
42	I-C Jorageria P.P.	03229-259263		9083269540
43	I-C Sadatpur P.P.	03222-233240		9083269541
44	IC IIT Hijali TOP	03222-27734		9083269542
45	I-C Kalaikunda B/H	03222-232266		9083269543
46	I-C Nimpura TOP			9083269547
47	I-C Pirakata P.P.	03222-284587		9083269544
48	I-C Ramgarh P.P.	03227-256352		9083269545
49	IC Chandrakona Road	03227-282253		9083269546
50	OC SOG Cell	03222-274101		9083265825
51	OC DCRB	03222 - 268307		9083265826
52	OC Computer Cell	03222 - 271092		9083265827
53	OC DCR	03222-267983		9083269554
54	RO Welfare, Pas. MDP	03222-273893		9083265829
55	RO, Paschim Medinipur	03222-273893		9083269551
56	OC All Women PS Kotwali	03222-267917	kotwalips.mdpwest@gmail.com	9083269538
57	OC All Women PS KGP	03222-255967	pskharagpurtown@gmail.com	9083269539
58	DIO – I	03222-268590		9083269552
59	DIO – II	03222-268590		9083265834
60	MTO, Paschim Medinipur	03222-275125 Extn. 241		9083269553
61	OC District Control Room, Paschim Medinipur	03222-267983	occrpasmdp@gmil.com	9083869554
62	OC Sub Divisional Control Room Kharagpur	03222-225972		
63	OC-Traffic, Midnapur			9083269548
64	OC-Traffic, Kharagpur			9083269549
65	PA to SP	Extn. 209		9083265836
66	Accountant	Extn. 214		9083265837
67	Reader to SP	Extn. 212		9083265838
68	PA to Addl. SP )HQ)	Extn. 204		9083265839
69	RO (HC)	03222-273893		9083265840
70	RO (Leave)	03222-273893		9083265841
71	RO (Proceeding)	03222-273893		9083265842
72	OEBC	03222-263529		9083265843
EPABX (For Extn.) :: 03222-275125, 275126, 267295, 267296				

### Contact details of Pradhans

Sl.N o.	Name of Block	Name of the Gram Panchayat	Name of the Pradhan	Mobile No
1	Garbeta-I	KADRA UTTARBIL	JABA GHANTI (MAJHI)	8001960806
2		SANDHIPUR	SARFUDDIN MONDAL	8768453430
3		BARAMURA	KODEJA BIBI SEKH	8001816501
4		SHYAMNAGAR	DEB DULAL MANDAL	9800288599
5		DHADIKA	TUMPA BETAL (PAL)	8617868561
6		AGRA	SOMASHREE MALLIK	9735253214
7		BENACHAPRA	SUKUMONI TUDU	9002495337
8		AMKOPA	HARI DAS	6296060614
9		AMLAGORA	PURNIMA CHOUDHURY	9593054989
10		GARANGA	MITHU SAREN	9641285119
11		GARHBETA	SHYAMAL BAJPAYEE	9734504111
12		KHARKUSHMA	AMIT KR. DUTTA	8609001746
13	Garbeta-II	AMLASULI	BULU MAJHI(PRADHAN)	8436085780
14		SARBOT	ARABINDH GOSWAMI	7602973252
15		PIASALA	MITA LOHAR	8348125020
16		JOGARDANGA	MITHU MUKHARJEE	7908949689
17		MAKLI	TRIPTI SAHA	7063314951
18		PATHARPARA	RUMA MANNA	8972950206
19		PINGBONI	BISWAJIT MAHATA	7407226367
20		GOALTORE	NITU DULEY	7063239503
21		JIRAPARA	LAKSHMIMANI HEMBRAM	9932502065
22		GOHALDANGA	NABA KUMAR MURMU	6294805855
23	Garbeta-III	RASKUNDU	SUKAL HEMBRAM	8348347728
24		KARSA	IBRAHIM KHAN	9002230940
25		AMSOLE	UMA RANI MAL	9002063320
26		URIASAI	NIRMAL KUMAR MANDI	9647004636
27		SATBANKURA	PURNIMA DOLUI	8967096941
28		SANKARKARA	UMA KHAN	9647927550
29		NAYABASAT	ANIMA HAZRA	7363951520
30		NALBONA	AJOY SHOW	9734523239
31	Keshpur	JORAKEUDI SOLIDIHA	LALMOHAN PUILYA	9800922431
32		SIRSHA	RUPALI MANDAL	8016720754
33		AMANPUR	MAYA GHOSH	9933024006
34		GOLAR	HABIBA BEGAM	9933424729
35		MUGBASAN	SEKH SAJEN ALI	8967354212
36		JAGANNATHPUR	BARNALI KHA(MONDAL)	9083468903
37		TEGHORI	SUMITA BERA(MONDAL)	7076468961
38		AMRAKUCHI	SAMIT KUMAR BHATTACHARYA	9647183553
39		ANANDAPUR	SUJIT KOTAL	9800528227
40		KESHPUR	CHANDANA BHUNIA	9734427858
41		KALAGRAM	UTTAM SARKAR	9593476970
42		SARISHAKHOLA	JAHANARA KHATUN BIBI	7001803455
43		DHALHARA	RABINDRA DOLAI	9635086267
44		JHENTLA	SABITA SAMANTA	9933162685
45		ENAYETPUR	MANDIRA NAYEK	8348103909



46	Salboni	DEBAGRAM	BAPPADITYA SEN	9800559772
47		BISHNUPUR	KEYA LOHER	7363993282
48		SALBONI	CHAMPA PAL	9382312764
49		BANKIBANDH	KOUSHIK DOLAI	7908631602
50		LALGERIA	CHAITAN MAHATA	9602639758
51		BHIMPUR	LAKSHIMONI HANSDA	7384166352
52		SATPATI	PARIMAL DHAL	9734577284
53		GARMAL	NITAI BHUNIA	9933142370
54		KASHIJORA	JYOTSNA ROY	9733700368
55		KARNAGHARH	PRATAP JASU	9734437797
56	Midnapore Sadar	DHERUA	PURNIMA SINGH,PRADHAN	7602681738
57		CHANDRA	SILA MAHATA	9382079702
58		MONIDAH	ANJALI SAREN	9933755243
59		KANKABOTI	KRISHNA SING	8972773209
60		SIROMONI	JHUMA MONDAL	9476165435
61		PANCHKHURI-I	SUMITA FAUJDAR	9547467891
62		PANCHKHURI-II	FARID GAYEN	9679692621
63		BONPURA	BUDDHESWAR DIGAR	8906483130
64	Kharagpur -I	PATHRA	SARATHI SING	7797327704
65		BARKOLA	KANIKA SING	9635633899
66		KALAIKUNDA	SUKUMAR HANSDA	8597164518
67		ARJUNI	BADAL CHANDRA MAHATA	9735380182
68		HARIATARA	MITHUN CHALAK	9932641275
69		GOPALI	SUSMITA MURMU	9679304144
70		BHETIA	NAREN NAYEK	7407565997
71		KHELAR	SABITA BHAKTA	9647011566
72	Kharagpur -II	KALIARA-II	DULU SING	8371808856
73		KALIARA-I	BULTI KHAMRAI	9382591442
74		LACHHMAPUR	NANTU DOLAI	9547317284
75		PAPARARA-I	NILIMA BHUNIYA (KUILYA)	9733060247
76		PAPARARA-II	KAKALI MANA	9733938753
77		CHAKMAKRAMPUR	PIJUSH KANTI GHOSH	9732593985
78		CHANGUAL	SITA TUDU	8597490681
79		SANKOA	TAPASI JANA	9733596055
80	DEBRA	PALSHYA	SHIBANI SING	8389993400
81		DEBRA - II	REKHA HUI GHORAI,	9749534499
82		BHABANIPUR	LAKSHMI NAYEK PRADHAN	7407776490
83		SHANRPUR LOWADA	BELA PARALI	7076064724
84		DUAN-I	SANTU MANDAL	8170942410
85		BHARATPUR	JULPHIKAR ALI SEKH	9433320483
86		DEBRA-I	MALI CHANDA(PRADHAN)	9800600652
87		JALIMANDA	LAKSHMANI MURMU HEMRAM	8116415445
88		MALIGHATI	KHAGENDRA NATH MAJI	9734356778
89		GOLGRAM	MAMONI DOLAI BHUNIYA	9734842392
90		SATYAPUR	PIYALI PATRA SINGHA	8001220777
91		KHANAMOHAN	MOUMITA SANTRA MONDAL	9593192124
92		RADHAMOHANPUR-I	MALA LAYEK	8436444177
93		DUAN-II	UTPAL KUMAR SUR	9933478993
94		RADHAMOHANPUR-II	KAJALI RAY	7318834098
95		ALIKOSHA	SUBHASINI HANSDA (HEMRAM)	7001646975

96	Dantan-I	TARARUI	SUCHARITA GORAI	9679852285
97		MANOHARPUR	SATISH DOLAI	9775204001
98		SALIKOTHA	MALLIKA MAITY	9874393646
99		ANGUA	JABA HEMRAM	8001269894
100		CHAKISMILEPUR	SUSANTA KUMAR SEN	9635596508
101		ANIKOLA	ANIMA PRADHAN	7319170768
102		DANTAN-I	SOMAT TUDU	7872238674
103		DANTAN-II	SHANKU BERA	9735365329
104	Dantan-II	TALDA	BHOLANATH PRADHAN	8371828333
105		JENKAPUR	LUDHU MANDI	6294769375
106		TURKA	ANINDITA MANNA	9733350535
107		SABRA	DIPALI GHORAI	8972557003
108		SAURI-KOTBAR	TAPATI MAHAPATRA	9002722920
109		POROLDA	ASHALATA DAS	7797775026
110		HARIPUR	MILAN DAS	7585828783
111	Narayangarh	MOKRAMPUR	YOGENDRA NATH DOLAI	9064454335
112		GRAMRAJ	KARTICK CHANDRA DAS	9732573849
113		NARMA	LILA MAITY	9733728496
114		KUNARPUR	RANJIT KUMAR SAHOO	9735509554
115		PAKURSENI	USHA RANI SING	8967470020
116		NARAYANGARH	MAMONI DAS SANA	7719256023
117		KASHIPUR	RABINDRA NATH DHAURIA	8348833010
118		BELDA-I	MADHUMITA PRAMANIK SENAPATI	9932996669
119	Narayangarh	BELDA-II	JUTHIKA PAL PRADHAN	8768827349
120		RANISARAI	MANAS GHOSH	9735548870
121		MANNYA	MANJU SINGH	7585024324
122		TUTRANGA	ASADULLA KHAN	8249961356
123		BAKHRABAD	USHA GHORAI	8001471647
124		KHURSHI	MAYNA BERA	9732986417
125		KUSHBASAN	SACHINDRA NATH	9609934049
126		HEMCHANDRA	KAKALI GUCHHAIT	7797055853
127	Pingla	KUSUMDA	MAMANI PATRA (MONDAL)	9735418887
128		JAMNA	SK MOFIJUL	8617462529
129		DHANESWARPUR	PUSPENDU DE	9609353594
130		KARKAI	JAMUNABALA TUDU (MURMU)	8967772626
131		MALIGRAM	DOLARANI PATRA (BERA)	9593923316
132		KHIRAI	MAITRAYEE JANA (SAMANTA)	9153119316
133		GOBARDHANPUR	ANUPRIYA CHAPRI (SHIT)	8145712089
134		PINDRUI	KRISHNA PRASAD BERA	9593175715
135		JALCHAK-I	TAPAS KUMAR JANA	9933784863
136		JALCHAK-II	SUSMITA MAITI (SAMANTA)	9564714076
137	Mohanpur	SAUTIA	ANUPAMA SEN	8670047414
138		SIYALSAI	BHAGABAN MAITY	8348090599
139		MOHANPUR	RUNA PATRA	9775065331
140		NILDA	ARATI BERA	7031124823
141		TANUA	NAMITA MISHRA NANDA	9932072974
142	Sabong	DEBHOG	SONIA MANDI	9091974922
143		NOWGAN	CHHABI RANI DATTA	9775097405
144		DANRRA	SANKAR LAYA	7719147338

145		DASAGRAM	ANIL KUMAR SANTRA	9547322769
146		SARTA	GANTAIT SUMITA	8348389086
147		CHAULKURI	USHA RANI DAS (GOURA)	9733804253
148		NARAYANBARH	NARAYAN CHANDRA BERA	7001257179
149		SABANG	SUKUMAR BARIK	9564632181
150		BALPAI	PRATIMA PRAMANIK	9564507800
151		BHEMUA	JABA MANNA	7872082053
152		MOHAR	PRASAD KRISHNA ADHIKARI	9647403137
153		BURAL	PARBATI BERA	9735786049
154		BISHNUPUR	SUSMITA BHOWMIK	8348390382
155	Keshiary	GHRITAGRAM	SULATA MANDI(SARDAR)	6297576363
156		KHAJRA	PATHIK SING	7407879363
157		SANTRAPUR	UTTAM KUMAR SHIT	8945898744
158		KUSUMPUR	SONALI GHORAI	9895668872
159		BAGHASTY	RUMI BERA (GIRI)	7478541093
160		NACHHIPUR	MAMANI DANDAPAT	8159966799
161		KESHIARY	INDRANI DEY	7477543929
162		LALUA	DEBASIS MURMU	7908161181
163	Ghatal	GAGANESWAR	DIPU MANDI	8159890721
164		SULTANPUR	JHUMA DOLUI	6297057397
165		IRHPALA	PRIYANKA MONDAL (KOLE)	7076460994
166		MANSUKA - I	RATRI PANDIT SATICK	9547208916
167		MANSUKA - II	PUTUL RANI PATRA	8436606357
168		BIRSINGHA	JHUMA KARAK KHAN	7047227331
169		MOHANPUR	SK. SAFIKUL RAHAMAN	9735736294
170		DEWANCHAK - I	ASMINA BIBI	8695463701
171		DEWANCHAK - II	KARUNA SENI	9732819078
172		AJABNAGAR - I	RAJKUMAR GHOSH	7872440434
173		AJABNAGAR - II	JHARNA SANKI	7872065740
174		MANOHARPUR - I	GANESH MANNA	8159877553
175		MANOHARPUR - II	JOYDEV DOLUI	9733650954
176	Daspur-I	DASPUR-I	GOUTAM DOLAI	7407839467
177		DASPUR-II	GOLAM MORTAJA SEKH	9932602494
178		BASUDEVPUR	SABINA YASMIN	7602378348
179		PANCHBERIA	DIPALI GHOSH	8670983770
180		NANDANPUR-I	KAMAL KRISHNA SAMANTA	9933607550
181		NANDANPUR-II	KALYANI DOLAI	7477633150
182		RAJNAGAR	ARUN KUMAR DOLAI	9564408111
183		SARBERIA-I	BISWANATH BARI	9732732010
184		SARBERIA-II	MANOMITA MAITY	8670623956
185		NIJ-NARAJOLE	GAGAN CHANDRA SAMANTA	9593101931
186	Daspur-II	KHANJAPUR	DIPAK KUMAR KARMAKAR	9933136969
187		KAMALPUR	RAMA RANI CHAKRABORTY	9933442504
188		RANICHAK	DARPAN MAITY	9933403989
189		SAHACHAK	PRASENJIT DINDA	8145706520
190		CHAIPAT	MANA RUIDAS	9800974479
191		BENAI	BANDANA GHOSH	9735509084
192		KHEPUT DAKSHIN BARH	CHANDANA BERA SANTRA	8116518354
193		NISCHINTAPUR	JAYSHRI HAZRA MAITY	9564342476
194		GOCHHATI	PRASANTA KR. MAL	9932417339

195		PALASPAI	APARNA PAUL	8016688410
196		GOURA	BIBHAKAR PAL	9932278304
197		KHUKURDAHA	TAPATI MONDAL	6295223357
198		JOTEGHANASHYAM	KABERI MANNA	8001463913
199		DUDKOMRA	KARTIK PATRA	9830866094
200		LAXMIPUR	UMA HAJRA	9733615862
201		JARA	SWADESH PARAMANIK	9732779778
202	Chandrako na-I	MANGRUL	SANTANU BANERJEE	9733839731
203		MANIKKUNDU	AJMIRA KHATUN	9733643919
204		MANOHARPUR-I	KRISHNA BEJ	9593497566
205		MANOHARPUR-II	SUCHITRA DAS	9766892921
206		BANDIPUR-I	NAMITA KOTAL	9732953173
207	Chandrako na-II	BANDIPUR-II	SNIGDHA RANI GHOSH	8016590244
208		BASANCHORA	SUTAPA MANDI	8768198780
209		BHAGABANTAPUR-I	PARUL KHATUN	9679026095
210		BHAGABANTAPUR-II	ISMAIL KHAN	7602957788
211		KUAPUR	SANKAR GHOSH	9775164524

## Contact details of Gram Panchayats Offices

### Midnapur Sub-Division

MEDINIPUR			GARHBETA-I		
1	Dherua	03222-288105	1	Kadra-Uttarbil	9734685300
2	Chandra	03222-288128	2	Sandhipur	9732059509
3	Monidaha	03222-288173	3	Baramura	9775135434
4	Kankaboti	03222-288566	4	Shyamnagar	03227-286540
5	Siromoni	03222-275167	5	Dhadika	03227-286224
6	Panchkhuri-I	03222-187222	6	Agra	03227-258262
7	Panchkhuri-II	03222-235202	7	Benachapra	03227-258214
8	Bonpura	03222-287219	8	Amkopa	03227-284246
9	Pathra	03222-235302	9	Amlagora	03227-265098
SALBONI			10	Garanga	03227-265210
1	Debagram	9933152609	11	Garhbeta	03227-265111
2	Bishnupur	9775204802	12	Kharkusma	9733588980
3	Salboni	03227-285238	GARHBETA-II		
4	Bankibandh	03227-285231	1	Goaltore	03227-288236
5	Lalgeria	03227-205818	2	Pingboni	03227-288233
6	Bhimpur	9002941244	3	Jirapara	9775286413
7	Satpati	03222-284502	4	Patharpara	9933589852
8	Garhmal	9679261334	5	Gohaldanga	03227-284383
9	Kasijora	03222-284445	6	Makli	9333791572
10	Karnagarh	03222- 297211	7	Amlasuli	03227-281218
KESHPUR			8	Sarbot	03227-205675
1	Jorakeudi-Solidiha	9734646077	9	Piasala	03227-284250
2	Sirsa	9735678871	10	Jogardanga	03227-284017
3	Amanpur	9933088784	GARHBETA-III		
4	Golar	9635657989	1	Raskundu	03227-287222
5	Mugbasan	9932579103	2	Karsa	03227-262236
6	Jagannathpur	9002782537	3	Amsole	03225-266791
7	Teghori	9932685218	4	Uriasai	9932729373
8	Amrakuchi	9593124289	5	Satbankura	03227-282255

9	Anandapur	9434341177	6	Sankarkanta	03227-282250
10	Keshpur	9783950446	7	Nayabasad	03227-283864
11	Kalagram	9564241068	8	Nalbona	9732875177
12	Sarisakhola	9775287037			
13	Dhalhara	9434152708			
14	Jhentla	9800680991			
15	Enayetpur	9547374487			

### Kharagpur Sub-Division

KHARAGPUR-I			MOHONPUR		
1	Arjuni	9434209142	1	Sautia	03220-232355
2	Hariatara	9933435402	2	Siyalsai	03220-232552
3	Bhetia	9679619897	3	Mohanpur	03220-232238
4	Kalaikunda	03222-233027	4	Nilda	03229-251246
5	Gopali	03222-279758	5	Tanua	9732619125
6	Khelar	03222-295334	SABONG		
7	Barkola	03222-291036	1	Debhog	03222-248222
KHARAGPUR-II			2	Nawgan	03222-285725
1	Chakmakrampur	03222-289575	3	Danrra	03222-246600
2	Sankoa	03222-295296	4	Dasagram	03222-246309
3	Kaliara-I	03222-247348	5	Sartta	03222-246477
4	Kaliara-II	03222-941487	6	Chaulkuri	03222-285587
5	Paparara-I	03222-247219	7	Narayanbarh	03222-285720
6	Paparara-II	03222-247587	8	Sabang	03222-249239
7	Palshya	03222-654055	9	Balpai	03222-204346
8	Changual	03222-295459	10	Bhemua	03222-218943
9	Lachhmapur	03222-291014	11	Mohar	03222-285099
DANTAN-I			12	Bural	03222-285117
1	Alikasa	03229-242035	13	Bishnupur	03222-201208
2	Tararui	03229-253104	NARAYANGARH		
3	Manoharpur	03229-250290	1	Mokrampur	03222-263755
4	Salikhotha	03229-201295	2	Gramraj	03222-231638
5	Angua	03229-253459	3	Narma	03222-231723
6	Chakismailpur	03229-254273	4	Kunarpur	03222-231728
7	Anikola	03220-218738	5	Pakurseni	03222-211310
8	Dantan-I	03229-253243	6	Narayangarh	03229-258237
9	Dantan-II	03229-253250	7	Kashipur	03229-205105
DANTAN-II			8	Belda-I	03229-255202
1	Talda	9775025509	9	Belda-II	03229-255214
2	Sabra	8001339363	10	Ranisarai	03229-250287
3	Jenkapur	9002671566	11	Mannya	03229-205798
4	Turka	9800743749	12	Tutanga	03229-255366
5	Saurikoatbar	9933368856	13	Bakhrabad	03229-255201
6	Poralda	9800063745	14	Khurshi	03222-246347
7	Haripur	9775254924	15	Kushbasan	03229-240028
KESHIARY			16	Hemchandra	03229-240076
1	Ghritagram	03229-286359	DEBRA		
2	Khajra	03222-286322	1	Bhabanipur	03222-237688
3	Santrapur	03229-201131	2	Bharatpur	03222-237313

4	Kusumpur	03222-265131	3	Satyapur	03222-237224
5	Baghasty	03229-241054	4	Khanamohan	03222-243208
6	Nachhipur	03229-252232	5	Debra-I	03222-243232
7	Keshiary	03229-252240	6	Debra-II	03222-243255
8	Lalua	03229-255173	7	Jalimanda	03222-239339
9	Gaganeswar	03229-242026	8	Malighati	03222-251012
<b>PINGLA</b>			9	Golgram	03222-240406
1	Kusumda	03222-238290	10	Snarpur-Lowada	03222-240205
2	Jamna	03222-238615	11	Duan-I	03222-244274
3	Dhaneswarpur	03222-248702	12	Duan-II	03222-244376
4	Karkai	03222-204484	13	Radhamohanpur-I	03222-245309
5	Maligram	03222-241376	14	Radhamohanpur-II	03222-245274
6	Khirai	03222-238961			
7	Gobardhanpur	03228-246612			
8	Pindroi	03228-246740			
9	Jalchak-I	03228-236428			
10	Jalchak-II	03222-241400			

### Ghatal Sub-Division

<b>CHANDRAKONA-I</b>			<b>DASPUR-I</b>		
1	Laxmipur	03225-269262	1	Nij-Narajal	03225-259805
2	Jara	03225-201350	2	Rajnagar	03225-259222
3	Mangrul	03225-217066	3	Sarberia-I	03225-217406
4	Manikkundu	03225-260220	4	Sarberia-II	03225-251504
5	Manoharpur-I	03225-205643	5	Nandanpur-I	03225-251540
6	Manoharpur-II	03227-254217	6	Nandanpur-II	03225-258157
<b>CHANDRAKONA-II</b>			7	Panchberia	03225-258249
1	Bhagabantapur-I	03225-205518	8	Basudevapur	03225-254141
2	Bhagabantapur-II	03225-265038	9	Daspur-I	03225-254249
3	Basanchara	03225-217919	10	Daspur-II	03225-254253
4	Kuanpur	03225-217173	<b>DASPUR-II</b>		
5	Bandipur-I	03225-264202	1	Khanjapur	9002108044
6	Bandipur-II	03225-205761	2	Kamalpur	9932797519
<b>GHATAL</b>			3	Ranichak	9800915907
1	Sultanpur	03225-262545	4	Sahachak	9002522808
2	Irhhpala	03225-250219	5	Chaipat	9732550105
3	Mansuka-I	03225-262347	6	Benai	9800973931
4	Mansuka-II	9933998672	7	Kheput	9775225547
5	Birsingha	03225-260117	8	Nischintapur	9734389728
6	Mohanpur	03225-263041	9	Gochati	9732956017
7	Dewanchak-I	03225-263266	10	Palaspai	9932968337
8	Dewanchak-II	9933178860	11	Goura	9609384471
9	Ajabnagar-I	9733759653	12	Khukurdaha	9734550850
10	Ajabnagar-II	03225-255311	13	Joteghanashyam	9732894619
11	Monaharpur-I	9800635257	14	Dudkomra	9734822191
12	Monaharpur-II	03225-255193			

**Contact details of Irrigation & Waterways Directorate, West Midnapore Division**

<b>Sl. No.</b>	<b>Name of Officer</b>	<b>Designation</b>	<b>Mobile No.</b>	<b>Location of office</b>
1.	Tapan Pal	Excutive Engineer	8017117268 03222- 275373(O)	West Midnapore Division
2.	Ashis Kr. Hazra	Junior Engineer	9434989256	
3.	Sunil Karmakar	Junior Engineer	9434440936	
4.	Nabakumar Ghosh	S.D.O. Lachmapur	9434217871 03222- 275306(O)	Lachmapur Sub-Division
5.	Sumit Das (LR)	Assistant Engineer	9374566070	
6.	Pranab Kr.Das	Sectional Officer Mawa (I)Section	9475115152	
7.	Samir Kr. Nag	Sectional Officer Khanamohan (I) Section	9475119371	
8.	Binoy Pal	Sectional Officer Anicut (I)Section	9474775901	
9.	Swaraj Hait	Sectional Officer Debra (I)Section	9474361644	
10.	Nirupam Pramanik	Sectional Officer Anicut Hd Qrt (I) Section	9126336438	
11.	Uttam Hazra	S.D.O. Investigation Sub-Division No-II	9732733626	Investigation (I) Sub-Division
12.	Amar Kundu	S.O Investigation Sub-Division No-II	7063080565	
13.	Uttam Hazra	S.D.O. Ghatal	9732733626	Ghatal(I) Sub-Division
14.	Biman Maji	Hd. Qtr.Section Sectional Officer	9732958214	
15.	Swapan Mandal	Dussaspur-I Sectional Officer	9434185064	
16.	Dilip Pramanik	Dussaspur-II Sectional Officer	9153214042	
17.	Aloke Maity	Ajuria Sectional Officer	9733219575	

<b>Sl.No.</b>	<b>Name &amp; Designation of the Employees</b>	<b>Location</b>	<b>Mobile No.</b>
1	Anup Kumar Sahoo, Gauge Reader	Mohanpur Gauge Station	8926174182
2	Parul Roy, Khalasi	Mohanpur Gauge Station	8967756650
3	Pankaj Dhara, Contigency Staff	Mohanpur Gauge Station	8016328933
4	Asit Kumar Khanra, Casul Staff	Mohanpur Gauge Station	5670029903
5	Sujit Roy, Work- Assistant	Kolaichandi Khal Ch. 0.00 - 17.00km.(Phase-II)	9475197070
6	Gopal Chandra Das, Khalasi	Kolaichandi Khal Ch. 0.00 - 17.00km. (Phase-II)	9932524394
7	Diptibrata Das, Khalasi	Kolaichandi Khal Ch. 0.00 - 5.64km. Both side	9434832062
8	Arup Shit, Con. Staff	Kolaichandi Khal Ch. 0.00 - 5.64km. Both side	7699702216

9	Muzaffar Ali, Khalasi	Kolaichandi Khal Phase-I (Srirampur to Amaodpur)	9932202748
10	Pranab Pandit, Con.Staff	Kolaichandi Khal Phase-I (Srirampur to Amaodpur)	8116561016
11	Pabitra Dhara, Con.Staff	Schedule-'D' embankment ( Phatar Ghata to North Abertment 0.00 to 1.22 km.	9635253682
12	Manas Ranjan Dhara, Con. Staff	Schedule-'D' embankment ( Phatar Ghata to North Abertment 0.00 to 1.22 km.	9679265792
13	Asis Biswas, Con. Staff	Gauge Report Submitted	9333421116

### **Contact details of CMOH, Paschim Medinipur**

Activity	Name of Nodal Office	Mobile No	Alternate responsible officer (in absence of Nodal Officer)
Overall	CMOH	03222-275695 9434134956	Dy. CMOH - I
Reporting	Dy. CMOH II	03222-275854 9434205359	Dy. CMOH - I
Logistics (Drugs)	Dy. CMOH I	03222-276384 9775072018	Dy. CMOH - II
Logistics (Transport)	Dy. CMOH I & RHTO	9775072018 9434318627	Dy. CMOH - I

### **Contact details of Agriculture Department**

Sl. No	Block/ Sub-Div./ Dist	Name	Designation	Contact Number
1	Medinipur	Victor Banerjee		9679470883
2	Salboni	Amit Biswas		9933058268
3	Keshpur	Simul Bhattacharya		9434267050
4	Garhbeta-I	Tushar Kanti Patra		943314589
5	Garhbeta-II	Sambrita Majumder		9874027420
6	Garhbeta-III	Dr. Anup Samanta		9475613192
7	Kharagpur-I	Pallab Santra		7699493718
8	Kharagpur-II	Surojit Bagdi		9475850182
9	Sabang	Ashoke Kr. Mal		9474715392
10	Pingla	Dr. Soumen Mandal		9474308065
11	Debra	Purnendu Mazumdar		9434216813
12	Narayangarh	Dr. Kalyan Ganguly		9635078774
13	Dantan-I	Amit Karmakar		9007966288
14	Dantan-II	Kusum Kamal Mazumdar		9933522781



15	Mohanpur	Chiranjib Mondal	Asst. D.A.	9674269813
16	Keshiary	Abhijnan Das		7044272277
17	Ghatal	Pradyut Kr. Guchhait		8972572645
18	Chandrakona-I	Sanjoy Kr. Mondal		9732228574
19	Chandrakona-II	Smt. Satarupa Acharjee		9007966309
20	Daspur-I	Sukdev Khutia		8768131673
21	Daspur-II	Dr. Sumit Roy		9474008132
22	Medinipur Sadar Sub- Division	Sudipta Kr. Bandyopadhyay	Asst. D.A(Admn)	9434160941
23		Badal Kr. Shit	Asst. D.A(SM)	9475114702
24		Monaj Sinha Mahapatra		9932569782
25		Mohanlal Murmu		9474970486
26	Kharagpur Sub- Division	Dhananjoy Mani	Asst. D.A(Admn)	9474446210
27		Pankaj Kr. Ojha	Asst. D.A(SM)	9732483884
28		Ranajit Poddar		9932670453
29		Dr. Purnendu Ghata		9735223406
30	Ghatal Sub-Division	Kallol Pal	Asst. D.A(Admn)	9434802743
31		Shyamapada Santra	Asst. D.A(SM)	9434509825
32		Jagadish Ch. Mandal		9932781330
33		Shyamal Kanti Shit		9474449459
34	Dist. H.Q	Prabhat Kr. Bose	DDA(Admn) Pas. Mid	9434242919
35		Chittaranjan Mallick	DDA(WM)	9434414010
36		Kanailal Moish	DDA(WBP)	9635252829
37		Dr. Suwendu Mandal	Asst. D.A. (PP)	9434513684
38		Dulal Das Adhikary	Asst. D.A.(I)	9434303511
39		Dr. Bhanu Prakash Mnadal	Asst. D.A. (SC)	9434303511
40		Subrata Saha	Asst. D.A. ( C )	9832122894

## Annexure-F

### SCALES OF COMPENSATION/ASSISTANCE PROVIDED TO THE ELIGIBLE PERSONS UNDER DIFFERENT SCHEMES OF DISASTER MANAGEMENT DEPARTMENT

SL. NO	NAME OF SCHEME	SCALE OF ASSISTANCE	REMARKS
1	NGR (IN KIND)	12 KGS / HEAD / MONTH	FOR ADULT
		6 KGS / HEAD / MONTH	FOR MINOR( 12 YEARS)
2	Spl. GR ( in kind )	12 KGS / HEAD / MONTH	FOR ADULT
		6 KGS / HEAD / MONTH	FOR MINOR( 12 YEARS)
3	Spl. GR ( in cash)	Rs. 120/- / head / month	FOR ADULT
		Rs. 60/- / head / month	FOR MINOR( 12 YEARS)
4	WHILE AT RESCUE CAMP/ GRUEL KITCHEN	Per day/ head	Ratio
	CHIRA	200 Grams.	4:1
	GUR	50 Grams.	
	RICE	400 Grams. (A)/200 grams(M) P.day	( No.78/SDM/2013 dt17.10.13)
	DAL	25 Grams.	
	SALT	10 Grams.	
	K.OIL	50 ml	
	Milk powder		Milk: water :: 1:9
	HALOGEN TABS.	7 tabs/head/ week	
	BLEACHING POWDER	50grms/head/week	Mixed with lime in 9:1 ratio i.e. lime : bleaching powder
	For Cattle (p. day /p. cattle)	250grms (Concentrated feed)	
	-do-	2 kg Paddy Straw	
6	Water supply→ Key indicator	Requirement –at least 15ltr. p/head /day	
	No. of water point	1 point for 250 people	
	Max. distance	500 mtrs. from shelter	
	Water flow	At least 0.125 ltr./second /point	
7	Excreta Disposal→Size	Max. 20 people/toilet	
	Distance	50mtr.or 1min.walk from shelter	
	arrangement	Separate toilet for male & female	

### Disaster Risk Index of Districts

State/District	Hazard	Vulnerability	Hazard Specific Vulnerability	Exposure	Hazard Vulnerability Exposure	Capacity	Risk	Disaster Risk Index	State/ District wise All India Rank
	Scale of 10							Scale of 100	
<b>West Bengal</b>	4.31	3.40	-	4.62	4.81	3.64	5.18	51.78	2
Paschim Medinipur	3.10	3.98	3.13	2.52	3.96	3.64	2.51	25.11	74
North 24 Parganas	3.76	3.72	4.28	4.32	8.68	3.64	5.20	51.98	1
South 24 Parganas	4.04	4.65	4.67	3.12	8.52	3.64	4.81	48.10	3
Hoogly	3.42	3.19	2.98	3.06	7.87	3.64	4.07	40.75	5
Howrah	3.18	1.68	2.56	3.07	7.33	3.64	3.91	39.11	6
Kolkata	2.91	2.64	2.47	5.16	5.83	3.64	3.51	35.11	12
Purba Medinipur	3.38	3.66	3.39	3.06	6.01	3.64	3.36	33.60	15
Murshidabad	2.43	1.89	2.19	2.92	5.03	3.64	3.11	31.08	27
Nadia	2.41	1.78	1.91	2.63	5.17	3.64	3.03	30.32	32
Bardhaman	2.77	2.73	2.75	3.48	4.04	3.64	2.74	27.35	48
Maldah	2.64	2.53	2.17	2.11	4.70	3.64	2.67	26.68	57
Jalpaiguri	2.45	2.30	1.85	2.09	3.57	3.64	2.29	22.91	115
Coochbehar	2.32	2.60	1.80	1.72	3.74	3.64	2.26	22.57	119
Purulia	2.07	1.99	1.68	1.55	2.29	3.64	1.97	19.75	188
Uttar Dinajpur	2.12	2.48	1.57	1.67	3.04	3.64	1.88	18.79	223
Birbhum	2.24	2.12	1.78	1.86	2.71	3.64	1.83	18.25	243
Dakshin Dinajpur	2.20	2.35	1.58	1.34	2.75	3.64	1.62	16.21	347
Darjeeling	2.13	2.66	1.50	1.72	2.57	3.64	1.62	16.17	349
Bankura	1.86	1.66	1.55	1.86	1.40	3.64	1.40	14.00	464

(Source: <http://www.ndmindia.nic.in/> Disaster Management Division, Ministry of Home Affairs, Government of India, Dated: 04.06.2018)

## Composite Hazard Index of Districts

Districts	Weighted Index on Hazards (weights given in percentage points)														Composite Hazard Index	All India Rank
	Earth quake	Flood	Drought	Cyclone	Landslide	Heat Wave	Lightning	Tsunami	Avalanche	Cold Wave	Coastal Erosion	Forest Fire	Fire	Industrial Hazards		
	15%	15%	15%	15%	7%	6%	6%	3%	3%	3%	3%	3%	3%	3%		
Paschim Medinipur	3.46	5.08	3.48	5.61	0.00	3.48	2.68			0.00		1.23	0.86	0.67	3.10	28
North Twenty Four Parganas	4.95	7.97	2.36	5.77	0.00	2.97	4.53	1.06		0.00	1.41	0.00	1.46	1.17	3.76	3
South Twenty Four Parganas	5.48	5.33	3.24	8.24	0.00	5.17	3.69	1.20		0.00	1.92	0.00	1.19	1.28	4.04	1
Hugli	4.00	8.72	1.82	5.90	0.00	2.40	2.50			0.00		0.00	0.80	1.24	3.42	10
Howrah	4.00	9.13	2.22	3.36	0.00	2.46	2.19			0.00		0.00	0.71	2.45	3.18	25
Kolkata	4.00	6.05	1.40	5.92	0.00	2.23	2.03			0.00		0.00	0.65	1.07	2.91	53
Purba Medinipur	4.00	4.59	2.64	7.12	0.00	4.07	2.31	1.31		0.00	1.96	1.28	0.74	2.99	3.38	13
Murshidabad	4.00	7.46	2.19		0.00	2.31	3.21			0.00		0.00	1.03	0.68	2.43	207
Nadia	4.00	8.02	1.87		0.00	2.35	2.34			0.00		0.00	0.75	0.70	2.41	215
Bardhaman	4.00	6.08	1.85	2.68	0.00	2.79	3.49			0.00		1.42	1.12	3.99	2.77	92
Maldah	5.56	7.36	2.96		0.00	1.97	1.80			0.00		0.00	0.58	0.61	2.64	135
Jalpaiguri	6.85	5.48	2.21		0.03	1.62	1.75			0.00		0.58	0.56	0.90	2.45	202
Koch Bihar	7.47	4.56	2.10		0.00	1.61	1.28			0.00		0.00	0.41	0.50	2.32	250
Puruliya	2.57	1.91	6.79		0.96	2.48	1.33			0.00		1.23	0.43	0.99	2.07	365
Uttar Dinajpur	6.00	5.33	2.05		0.00	0.00	1.36			0.00		0.00	0.44	0.55	2.12	343
Birbhum	4.00	5.72	2.79		0.00	3.66	1.58			0.00		0.44	0.51	0.65	2.24	284
Dakshin Dinajpur	6.00	4.36	2.69		0.00	2.82	0.76			0.00		0.00	0.24	0.50	2.20	308
Darjiling	6.00	1.79	3.11		4.36	1.61	0.84			0.04		0.64	0.27	0.55	2.13	332
Bankura	3.56	2.12	3.67		0.00	4.55	1.63			0.00		1.40	0.52	0.79	1.86	470

(Source: <http://www.ndmindia.nic.in/> Disaster Management Division, Ministry of Home Affairs, Government of India, Dated: 04.06.2018)



**Let's make Paschim Medinipur a Disaster Resilient District**