



Development of Disaster Management Plan at Upazila Level

Upazila: Hathazari, District: Chittagong

Plan Developed by-
Upazila Disaster Management Committee,
Hathazari, Chittagong

Co-ordinated by:



GHARONI

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PREFACE

Bangladesh is a disaster prone country. This country has been considered as a country highly vulnerable to disasters in the world. Recently the intensity and havoc of disasters has been gradually mounting. Large scale disasters like flood, cyclone, tidal surge, drought, tornado, river erosion are occurring more frequently in Bangladesh. That is why government of Bangladesh has undertaken appropriate actions underscoring the need to reduce risks. Government has been implementing a program titled "Comprehensive Disaster Management Program -2" realizing its importance. Under this program Disaster Management Committee have been organized from national to district, Upazila and union level.

Local level preparedness for risk reduction and response has been outlined in Standing orders on Disasters (SOD). Here more emphasis has been put on local level planning for Disaster (DM Plan) for risk reduction of disasters and adaptation process.

Necessary actions has been undertaken to develop "Disaster Management Plan" at district, Upazila and unions. To accomplice the task, an NGO named GHARONI has been assigned to support and assist Upazila Disaster Management Committee and Union Disaster Management Committee.


The NGO has undertaken necessary steps and perform different activities in preparing this DM Plan. This Plan has been developed in collaboration and coordination with UzDMCs and UDMCs.

I am convinced that due process has been followed in this respect and a more practical and pragmatic Plan has been comes up.

I take this opportunity to convey my thanks to all particularly members of UzDMCs and UDMCs and GHARONI officials and other relevant stalk holders for effective accomplishment of this critical task.

I hope that the disaster risks will be minimized and adaption activities would be more strengthen if this DM Plan is implemented.

Date: 14.09.2014


Signed 14-09-14

Mahbubul Alam Chowdhury

Chairman, Upazila Parishad, Hathazari, Chittagong &
Chairman, Upazila Disaster Management Committee

মাহবুবুল আলম চৌধুরী
চেয়ারম্যান
উপজেলা পরিষদ

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Chapter - 1 : Local information

1.1 BACKGROUND:

Standing orders on Disasters (SOD) has clearly been stipulated to take initiative for formulating Disaster Management Action Plan at District, Upazila , Pourashava and City Corporation level incorporating Disaster Risk Reduction and contingency plan. Ministry of Disaster Management and Relief have taken this with serious focusing. The Disaster Management Plan will be developed for a period of 5 years.

Bangladesh is one of the most disaster prone countries in the world. In each and every year more or less all districts experience different kinds of disasters. Among them Chittagong districts is more vulnerable. Due to geographical location and impact of Climatic Change, almost every year this district has been affected by different natural disasters like Flood, excessive rain, Cyclone, tornado, tidal surge, intrusion of Salinity, Arsenicosis etc. As the district is most close to sea, there is huge risks for disasters like Cyclone, tidal surging, flood and all these in some way or other affect and damage this coastal areas.

Among all upazilas of Chittagong, Hathazari upazila is risky and vulnerable to disasters. There are 14 Unions and one Pourashava under this Upazila. Each and every year one union or other has been severely affected by different natural disasters like flesh food, Tornado, salinity, toxic chemical waste or garbage that is stemmed out from flourishing industries.

1.2 Objectives of DM Planning

- Prepare a strategic document for certain areas and time
- It will act as a Comprehensive Plan for relevant all sectors including local and national level Disaster Management Committees.
- This Plan will provide guidance in formulating and implementing plan for all partners relevant to Disaster Management.
- Create effective partnership sense and participation in Disaster Planning of local communities and make development of risk reduction system by using local resources.
- Exercise and use locally developed planning for Need Assessment, Rescue, relief and rapid rehabilitation.
- Create awareness on disaster risks and to develop pragmatic means at union, upazila and district level for disaster risk reduction.

1.3 Introduction to local areas:

Hathazari is a historical and important upazila of Chittagong district. Its name was based on a historical event on a backdrop of historical events. It was named after a backdrop of historical events. Its previous name was Awrongobad. The present Hathazari Upazila consists of Hathazari, North Rawzan and Fatikchari at Awrongobad. Twelve Hazaries assigned the representative of maintaining internal law and order and to protect from external invasion introducing Moushandahr system that after of Moghul resign in Chittagong. Hazaries started neglecting to deliver these duties and gone against Nabab by defying order of the central Government. Who was established in Murshidabad due to bureaucratic administration. Moushin, the representative of Nabab in Chittagong, took a trick and invited them to meet Nabab. Then he managed to arrest 8 Hazaries by betraying. 2 Hazaries out of 12 Hazaries realized and escaped themselves. As a result 8 Hazaries out of 10 Hazaries were sent to Nabab in Murshidabad in case. 2 Hazaries saved their lives by fleeing. The Nabab of Murshidabad ordered to kill 8 Hazaries by immersing the Gonga River in case capability. As a result, the power of Hazaries were tamed. Mr. Birshinha Hazarie who were saved from death established a Hat. Which is now called Hathazari. As the previous language was practiced so the Hat was known as Hathazari.

1.3.1 Geographical location of Hathazari Upazila

The location of Hathazari Upazila is between 22.50 to 23.50 latitude and 91.80 to 91.83 East longitude. Fatikchari Upazila is in the North East of this Upazila. West Rawzan Upazila is in east. In the south it is Chandgoan and Paschlaish Thana. In the west it is South Chandra Shekhor Hill and Jalalabad hills of Sitakunda Upazila.

The Hathazari Upazila is in the North of Chittagong District Head quarter and situated about 20 KM away from city. The area of this Upazila are 255 Sq. KM. The Upazila consists of 59 villages and 48 Mouzas, 14 unions and 1 Pourashava. There are about 550.58 KM road in this Upazila. Among them Kacha road are 206 Km, Paved road are 146.5 KM and HBB road are 198 km.

1.3.2 Areas:

The Chittagong district was formally created in 1966 and its areas are 5282.98 Sq. KM. There are 14 Upazila under Chittgaong district and Hathazari is one of them. Its areas are 255 Sq. KM. There are 14 unions and 56 Mouzas, 59 villages under this Upazila. A list of Mouzas are provided below-

Sl No.	Name of Union	Union based Mouzas
01.	Farhadabad Union	Chatakanchanpur, Jangol Udalia, Mahmudabad, Fahadabad, Purbo Mondakini & Udalia
02.	Dhaloi Union	Enayetpur & Pastim Dhaloi
03.	Mirzapur Union	Charia, Hashimpur, Mirzapur, Uttar Pahartali, Chankhola, Jangol Uttar Pahartoli
04.	Gumanmardan Union	Gumanmardan, Chadeknagar, Uttar Gumanmardan, Dhakin Gumanmardan & Balukhali
05.	Nangolmora Union	Nangolmora, Uttar Nangomora, Modha Nangolmora, Dakhin Nangolmora
06.	Chibatoli Union	North chhibatali, West chhibatali, south chhibatali, chhibatali
07.	Mekhol Union	Mekhol, Mojaforabad, Rahimpur, Ruhullahpur
08.	Garduara Union	Garduara
09.	Uttar Madarsha	Uttar Madarsha
10.	Fathepur Union	Jobra, Jangol Pastim Patti, Maij Patti, Mitha Chara, Mitha Nala & Pastim Patti
11.	Chikondandi Union	Khandokia, Chikandandi & Nehalpur
12.	Dakhin Madarsha Union	Dakhin Madarsha & Modha Madarsha
13.	Shikarpur Union	Bathuya, Kubayes & shikarpur
14.	Burishchar Union	Burirchar

1.3.3 Population-

Total population under 14 unions of Hathazari upazila are 430053. Among them male are 213480 and female 215941, children 21431, old 12702, and disabled are 1579. Peoples of different levels are exhibited in below table-

Sl No.	Name of Unions	Male	Female	Children (0-15)	Old (60+)	Disable	Total Population	Househ olds	Total voters
1	Fathepur Union	24335	22767	2346	1390	98	47102	8094	31521
2	Mirzapur Union	27523	27361	2732	1618	174	54864	7896	33020
3	Dhalai Union	18383	19645	1892	1121	81	38028	7335	18709
4	Gumanmardan Union	7106	8333	768	455	94	15439	3040	7902
5	Chikondandi Union	31600	32510	3194	1891	187	64110	10970	37213
6	Mekhol Union	16910	16521	1667	986	155	33431	6930	21809
7	Dakhin Madarsha Union	13585	13480	1363	801	91	27170	5138	17620
8	Uttar Madarsha	13172	11835	1275	758	79	25700	5804	16940
9	Garduara Union	6325	6874	659	388	86	13199	2926	7946
10	shikarpur	18114	18771	1835	1088	112	36885	6490	19600
11	Farhadabad	14093	15368	1464	869	123	29461	5489	19908
12	Burishchar Union	13625	13225	1337	792	137	26850	5395	15370
13	Chhibatali	4128	4907	455	272	90	8889	2134	4180
14	Nangolmora Union	4581	4344	444	263	62	8925	1548	3909
Total		213480	215941	21431	12702	1579	430053	79189	255647

1.4 Infrastructure and brief detail of infrastructures

4.1 Infrastructures:

Ka) Embankment-

There are embankments on Halda river and Cannel to protect intrusion of flood water to Hathazari upazila. Total length of embankments are 31 KM. Number of embankments and its locations are exhibited below-

- There is a 5 KM embankment from Uttar Farhadabad to Dakhin Gumanmardan at 4, 6 & 9 no wards of Dhalai union. Its height are 10 feet.
- There is a 4 KM embankment from Unnanar Ghat to Islamiar Hat at 2, 3, 4 & 6 no wards of Chibatali union. Its height are 12 feet.

- There is a 4 KM embankment from Chankhali to Natta Komali at 1, 6, 7, 8 & 9 no wards of Garduara union. Its height are 10 feet.
- There is a 5 KM embankment from Sayed Ahmed Hat to Amtoli at 1, 2, 3 & 5 no wards of Uttar Madarsha union. Its height are 9 feet.
- There is a 2 KM embankment from Shahemadi to Shamsundari High School at 43, 6 & 9 no wards of Dakhin Madarsha union. Its height are 10 feet.
- There is a 2 KM embankment from Uttar Farhadabad to Dakhin Gumanmardan at 4, 6 & 9 no wards of Dahlai union. Its height are 10 feet.
- There is a 2.5 KM embankment from Rahallahpur to Rahimpur at 1 no wards of Mekhol union. Its height are 10 feet.
- There is a 5 KM embankment from Sayed Ahmed Hat to Pora Wali at 1, 2, 3, 4, 5, 6, 7 & 8 no wards of Nangolmora union. Its height are 7 feet.
- There is a 2 KM embankment from Jaliapara to Dumurermuk at 3, 4 & 5 no wards of Gumanmardan union. Its height are 8 feet.

Kha) Sluice gate

There are 9 sluice gates at 14 unions of Hathazari Upazila.

- Dhalai union: There is only 5 sluice gates. It is located at Sonai khal of 1, 3, 5, 8 & 9 no ward.
- Fathepur union: There is only 1 sluice gate. It is located at Mitha Charal of 9 no ward.
- Chibatali union: There is only 1 sluice gate. It is located at Boyalia Khal of 5 no. ward.
- Garduara union: There are 2 sluice gates in this union. One is on Chankhali Khal at 1 no ward and another one is Pora Khal at ward no 6.
- Uttar Madarsha union: There are 3 sluice gates in this union. One is on Prora Khali Khal at 4 & 5 no ward and another one is Kumar Khal at ward no 5, 6 & another one is Boalia Khal at 8 no ward.
- Burirchar union: There is only 1 sluice gates in this union. It is located at Halda Khal of 2 no ward.
- Dakhin Madarsha union: There are 2 sluice gates at this union. One is on Shah Madari Khal at 3 no ward and another one is Katakhal Khal at ward no 8.
- Mekhol union: There are 3 sluice gates in this union. One is on Halda Khal at 2 no ward and another one is Halda Kahll at ward no 3.
- Mirzapur union: There are 4 sluice gates in this union. One is on Chankhali at 1 no ward and another one is Pora Khal at ward no 6.

Ga) Bridges:

Union wise list of bridges are exhibited below-

- **Shikarpur union:** Total number of bridges in this union are 13. One is on the Khandakia Khal at 2 no ward, another one is on the Krishna khal in 3 no ward, another is on the Hameda Khal in 3 no ward, and another one is on the Peskar hat road at 1 no ward, another is on Ear Mohammad road at 9 no ward, another one is on Shahidillah road of 6 no ward, another one is on the Hamedia Khal of 4 no ward. It may be mentioned here that all bridges are in good condition and usable and bridges on road are useful for water disposal.
- **Dakhin Madarsha union:** There are total 13 bridges in this union. 1 bridge is on Madari Khal at ward no 3, 1 is on Rahmania road at ward no 4, 1 is on Boalia Khal of ward no 2, another 4 bridges on Data Ram Chowdhury road at 4 & 5 no ward, another 3 bridges on Katakhal road at 6 & 9 no ward. It may be mentioned here that bridges are good and usable and are suitable for discharging of water.
- **Mekhol union:** There are a total 4 bridges in this union. One bridge is on the Chenkhali Khal of ward no 4, another one is on the Baro Khal of 1 no ward, another one is on the Halda khal of 3 no ward, another one is on the Chenkhali Khal of 2 no ward, Among them bridges are good and usable and suitable for water discharging.
- **Chikondandi Union:** There are total 58 bridges in this union. 2 bridges are on the Kattali Chara of ward no 4, another bridge is on the Echamoti Khal of ward no 4, another 4 bridges are on the Gahgria Chara of 1 no ward, 4 bridges on the Kahmari Chara & kamar Chara at ward no 2, 6 bridges on the Dataram Chowdhury road of 3 no ward, 7 bridges on the Sab Deputy road of ward no 2, 4 bridges on the Ahmed road of ward no 6, 5 bridges on the Raja Mia road of ward no 8, 2 bridges on the Khandakia road of ward no 3, 4 bridges on the Fatheyabad road of ward no 8. Among them condition are good and usable and they are suitable for discharging water.
- **Dhalai union:** There are total 13 bridges in this union. 3 bridges are on the Dhalai Khal at wards no 1, 3 & 4, one bridge on the Sonai Khal at wards no 2, and one bridge on the Sonai Khal at wards no 9, one bridge at Bipula Chara at 6 no ward, one bridge on the Kajir road of ward no 6, 3 bridges on the rail way road at ward no 7. It may be mentioned here that all bridges are in good condition and bridges of roads are suitable for discharging water.
- **Fathepur union:** There are total 17 bridges in this union. 3 bridges are on the Mitha Chara at ward no 3, 3 bridges are on the Ctg. University road of ward no 5, 3 bridges are on the city gate ward no 3 & 4, 2 bridges are on the Mora Chara of ward no 1, one bridge on the Hathazari road of ward no 5, 1 bridge is on the Harhazari road of 8 no ward, 1 bridge is on the Balu Chara of 9 no ward. All bridges are in good condition and suitable for use.
- **Chibatali union:** There are total 5 bridges in this union. One bridge is on the Boalia Khal of ward no 1, 1 bridge is on the Boalia Khal of ward no 7, One bridge is on the Charia Khal of ward no 8, One bridge on Boalia Khal khal at ward no 9 and another bridges on the Dakhin Boalia Khal. Among them condition of 5 bridges are good and useable and bridges of roads are suitable for water discharging

- **Garduara union:** There are total 16 bridges in this union. 4 bridges are on the Gacca Khali khal of ward no 2, 4 bridges on the Katakhal khal of 8 no ward, 3 bridge on the Jabbar Baril of ward no 1 and 3 bridges on the Kumari Para of ward no 4, 2 bridges are on the Garduara khal of ward no 3. The condition of all bridges is good and usable and bridges on DT road are suitable for water discharging.
- **Nangolmoara union:** There are total 2 bridges in this union. One bridge is on the Halda Khall of ward no 9 & 1 bridge is on the Mirza road of ward no 2. All bridges are good and useable and bridges of roads are suitable for water discharging.
- **Farhadabad union:** There are total 3 bridges in this union. 3 bridges are on the Sonai Chara of rd no 3. All bridges are good and useable and bridges of roads are suitable for water discharging
- **Gumanmardan Union:** There are total 30 bridges in this union. 2 bridges are on the Kattali Chara of ward no 4, another bridge is on the Echamoti Khal of ward no 4, another 4 bridges are on the Gahgria Chara of 1 no ward, 4 bridges on the Kahmari Chara & kamar Chara at ward no 2, 6 bridges on the Dataram Chowdhury road of 3 no ward, 7 bridges on the Sab Deputy road of ward no 2, 4 bridges on the Ahmed road of ward no 6, 5 bridges on the Raja Mia road of ward no 8, 2 bridges on the Khandakia road of ward no 3, 4 bridges on the Fatheyabad road of ward no 8. Among them condition are good and usable and they are suitable for discharging water.
- **Burirchar union:** There are total 8 bridges in this union. 2 bridges are on the Katakhal Khali khal of ward no 1 & 2, 4 bridges on the Katakhal khal of 8 no ward, 3 bridge on the Jabbar Baril of ward no 1 and 3 bridges on the Kumari Para of ward no 4, 2 bridges are on the Garduara khal of ward no 3. The condition of all bridges is good and usable and bridges on DT road are suitable for water discharging.
- **Uttar Madarsha union:** There are total 6 bridges in this union. 2 bridges are on the bachamia road of ward no 7, another one is on the Baro Khal of 1 no ward, another one is on the Halda khal of 3 no ward, another one is on the Chenkhali Khal of 2 no ward, Among them bridges are good and usable and suitable for water discharging.
- **Mirzapur union:** There are total 16 bridges in this union. 2 bridges are on the Para Lal khal of ward no 9, 2 bridges on the Moti Chara of 8 no ward 7, 3 bridge on the Jabbar Baril of ward no 1 and 3 bridges on the Kumari Para of ward no 4, 2 bridges are on the Garduara khal of ward no 3. The condition of all bridges is good and usable and bridges on DT road are suitable for water discharging.

GHa) Culverts:

There are 577 culverts in 14 unions of Hathazari Upazila. These culverts support in discharging of water from hilly streams / Charra, Sub-rivers, branch rivers and rivers. Number of culverts and locations of culverts are provided below-

Shikarpur Union: Total numbers of culverts are 8. 2 culverts are on the Ashraf ali road in ward no 2, 1 culverts on the Shahidullah road in ward no. 6, 3 culverts on the Kuis road in ward no 8 & , 2 culverts on the Year Mohammad road in ward no 9.

Dakhin Madarsha Union: Total numbers of culverts are 93. 6 culverts are on the Boalia road in ward no 1, 8 culverts on the Hazi Badsha road in ward no 2, 5 culverts on the Hafiz road in ward no 3 , 5 culverts on the Badu Chowdhry road in ward no 4, 4 culverts on the Chanaur road in ward no 5, 7 culverts on the Habib road in ward no 6, 4 culverts on the Hazi Mia road in ward no 7, 8 culverts on the Atar Ali road in ward no 8 & 5 culverts on the Chanaur road in ward no 9.

Mekhol Union: Total numbers of culverts are 52. 8 culverts are on the Mafjol road of ward no 1, 8 culverts on the Kazi Para road & Chami road of ward no 2, 4 culverts on the Mojaffor road & Murad road 3 of ward no 3 , 6 culverts on the Ananda bazar road of ward no 4, 4 culverts on the Makhol road of ward no 5, 8 culverts on the Mufti Fayjur road of ward no 6, 3 culverts on the Baitali road of ward no 7, 4 culverts on the Atar Ali road of ward no 8 & 1 culverts on the Mekhol road of ward no 9.

Chikondandi Union: Total numbers of culverts are 56. 4 culverts are on the Baddar road of ward no 1, 8 culverts on the Nath para road in ward no 2, 5 culverts on the Dataram road in ward no 3 , 8 culverts on the Sab deputy road in ward no 4, 5 culverts on the Ghosh bari road in ward no 5, 7 culverts on the Ismot ali road in ward no 6, 8 culverts on the Raja mia road of ward no 7, 8 culverts on the Aman bazar road in ward no 8 & 5 culverts on the depar par road in ward no 9.

Dhalai Union: Total numbers of culverts are 42. 3 culverts are on the Shah Amanat road in ward no 1, 8 culverts on the Barabkunda road in ward no 2, 4 culverts on the Dhalai road in ward no 3 , 8 culverts on the Sab deputy road in ward no 4, 5 culverts on the Ghosh bari road in ward no 5, 7 culverts on the Ismot ali road in ward no 6, 8 culverts on the Raja mia road in ward no 7, 3 culverts on the Acharjo para road in ward no 8.

Fathepur Union: Total numbers of culverts are 45. 5 culverts are on the Abdul Matin road, Karigor road of ward no 1, 4 culverts on the Shikder road in ward no 2, 4 culverts on the Fathepur road in ward no 3 , 8 culverts on the Sab deputy road of ward no 4, 5 culverts on the Ghosh bari road of ward no 5, 7 culverts on the Ismot ali road in ward no 6, 4 culverts on the Nur Ali road in ward no 7, 3 culverts on the Isramira bazar road in ward no 8. 5 culverts on the Yousuf mia road in ward no 9.

Chibatali Union: Total numbers of culverts are 25. 5 culverts are on the Hazi Yousuf road in ward no 1, 2 culverts on the Amanat Ali road in ward no 2, 4 culverts on the Mojaffor road & Murad road 3 in ward no 3, 6 culverts on the Ananda bazar road in ward no 4, 4 culverts on the Makhol road in ward no 5, 8 culverts on the Mufti Fayjur road in ward no 6, 3 culverts on the Baitali road in ward no 7, 4 culverts on the Atar Ali road in ward no 8 & 1 culverts on the Murad Nagar road in ward no 9.

Garduara Union: Total numbers of culverts are 12. 2 culverts are on the Garduara road in ward no 1, 1 culverts on the Akbar Ali road in ward no 2, 2 culverts on the Talukder road in ward no 4, 1 culverts on the Shafiul road in ward no 5, 1 culvert on the Jibon talukder road in ward no 8.

Nangolmora Union: Total numbers of culverts are 20. 5 culverts are on the Chowdhury road in ward no 1, 2 culverts on the Amanat Ali road in ward no 2, 4 culverts on the Mojaffor road & Murad road 3 in ward no 3, 6 culverts on the Ananda bazar road in ward no 4, 4 culverts on the Makhol road in ward no 5, 8 culverts on the Mufti Fayjur road in ward no 6, 3 culverts on the Baitali road in ward no 7, 4 culverts on the Atar Ali road in ward no 8 & 1 culverts on the Murad Nagar road in 9 no ward.

Farhadabad Union: Total numbers of culverts are 55. 4 culverts are on the Basuadhala road in ward no 1, 8 culverts on the Nath para road of ward no 2, 5 culverts on the Dataram road in ward no 3, 8 culverts on the Sab deputy road in ward no 4, 5 culverts on the Ghosh bari road in ward no 5, 7 culverts on the Ismot ali road in ward no 6, 8 culverts on the Raja mia road in ward no 7, 8 culverts on the Aman bazar road in ward no 8 & 5 culverts on the depar par road in ward no 9.

Gumanmardan Union: Total numbers of culverts are 54. 3 culverts are on the Raja Mia road in ward no 1, 3 culverts on the Charia para road in ward no 2, 3 culverts on the Peskarhat road in ward no 3, 8 culverts on the Sab deputy road in ward no 4, 2 culverts on the Chowmohani road in ward no 5, 7 culverts on the Ismot ali road in ward no 6, 8 culverts on the Raja mia road in ward no 7, 8 culverts on the Aman bazar road in ward no 8 & 1 culverts on the smasher para road in ward no 9.

Burirchar Union: Total numbers of culverts are 11. 4 culverts are on the Kazipara road of ward no 1, 2 culverts on the Talukdar para road of ward no 2, 2 culverts on the Talukder road of ward no 4, 1 culverts on the Shafiul road of ward no 5, 1 culvert on the Sarkular road of ward no 7.

Uttar Madarsha Union: Total numbers of culverts are 32. 3 culverts are on the Masuaghona road in ward no 1, 4 culverts on the Mansur Ali road in ward no 2, 4 culverts on the Mojaffor road & Murad road 3 in ward no 3, 6 culverts on the Ananda bazar road in ward no 4, 4 culverts on the Makhol road in ward no 5, 8 culverts on the Mufti Fayjur road in ward no 6, 3 culverts on the Baitali road in ward no 7, 4 culverts on the Atar Ali road in ward no 8 & 5 culverts on the Maizpara road in ward no 9.

Mirzapur Union: Total numbers of culverts are 72. 8 culverts are on the Noya Hazi road in ward no 1, 8 culverts on the Mosharaf Ali road & Chami road in ward no 2, 4 culverts on the Mojaffor road & Murad road 3 in ward no 3, 6 culverts on the Ananda bazar road in ward no 4, 4 culverts on the Makhol road in ward no 5, 8 culverts on the Mufti Fayjur road in ward no 6, 3 culverts on the Baitali road in ward no 7, 4 culverts on the Atar Ali road in ward no 8 & 5 culverts on the Mirzapur road in ward no 9.

Uma) Roads:

There are total 550.50 KM roads at 14 unions of Hathazari upazila of Chittagong. Among them 146.5 KM are Pucca, 206 KM Kacha and 198 KM HBB road. Number of roads and location statistics are appended below-

1. Shikarpur union: There are total 15 KM road in Shikarpur union. Among them 7 KM are Pucca , 28.5 KM are kacha and 13 KM HBB. Among them 7 KM Kucha and HBB of 1, 3, 5, 6 & 9 wards are in bad shape.

2. Dakhin Madarsha union: There are total 26 KM road in Dakhin Madarsha union. Among them 10.5 KM are paved in ward no. (2, 3, 4, 5, 8 & 9), 9 KM Kacha in ward no. (3, 4, 5, & 9) and 7 KM HBB ward no. (5, 6, 7 & 8). Among them 8 KM Kucha and 5 KM HBB, road of 1, 3,4,6,7 no wards are in bad shape.

3. Mekhol union: There are total 24 KM road in Mekhol union. Among them 12 KM are paved /pucca in ward no. (2, 3, 4, 5, 6, 8 & 9), 14 KM Kacha in ward no. (3, 4, 5, 6 & 8) and 15 KM HBB in ward no. (1, 2, 3, 4, 5, 6, 7 & 9). Among them 9 KM Kucha and 4 KM HBB road of 1, 2, 3,4,6,7 no wards are in bad shape.

4. Chikondandi union: There are total 24 KM road in Chikondandi union. Among them 14 KM are Paved in ward no. (1, 2, 3, 4, 5, & 9), 12.5 KM Kacha in ward no. (1, 2, 3, 4, 5, 6 & 8) and 12 KM HBB in ward no. (1, 2, 3, 4, 5, 6, 7 & 9). Among them 7 KM Kucha and 6 KM HBB road of 1, 2, 3,4,6,8 no wards are in bad shape.

5. Dhalai union: There are total 24 KM road in Dhalai union. Among them 15.5 KM are Paved in ward no. (1, 2, 3, 7 & 9), 15 KM Kacha in ward no. (1, 2, 3, 7 & 8) and 7.5 KM HBB in ward no. (1, 2, 3, 4, 5, 6, 7 8 & 9). Among them 7 KM Kucha and 4 KM HBB road of 1, 2, 3,4,6,8 no wards are in bad shape.

6. Fathepur union: There are total 24 KM road in Fathepur union. Among them 17 KM are pucca of ward no. (1, 3, 4, 5, 7 & 9), 15 KM Kacha of ward no. (1, 2, 3, 4, 5, 6, 7 & 9) and 10 KM HBB ward no. (1, 2, 3, 4, 5, 6, 7 8 & 9). Among them 10 KM Kucha and 5 km HBB road of 1, 2, 3,4,6,8 no wards are in bad shape.

7. Chibatali union: There are total 24 KM road in Chibatali union. Among them 2 KM are paved in ward no. (1 & 6), 13.5 KM Kacha in ward no. (1, 4, 6, 7 & 9) and 24 KM HBB in ward no. (1, 2, 3, 4, 5, 6, 7, 8 & 9). Among them 5 KM Kucha and 15 KM HBB road of 1, 2, 3,4,6,8 &9 no wards are in bad shape.

8. Garduara union: There are total 24 KM road in Guaduara union. Among them 2.5 KM are pucca of ward no. (4, 5 & 8), 18 KM Kacha of ward no. (1,2, 3, 4, 6, 7 & 9) and 23.5 KM HBB ward no. (1, 2, 3, 4, 5, 6, 7, 8 & 9). Among them 9 KM Kucha and 11 km HBB road of 1, 2, 3,4,6,8 & 9 no wards are in bad shape.

9. Nangolmora union: There are total 24 KM road in Nagolmora union. Among them 2 KM are paved/pucca in ward no. (1, 2, 3 & 6), 9.5 KM Kacha in ward no. (1,2, 3, 4, 6, 7 & 8) and 13 KM HBB in ward

no. (1, 2, 3, 4, 5, 6, 7, 8 & 9). Among them 4 KM Kucha and 5 KM HBB road of 1, 2, 3,8 & 9 no wards are in bad shape.

10. Farhadabad union: There are total 24 KM road in Farhadabad union. Among them 17 KM are paved / pucca in ward no. (5, 6, 7, 8 & 9), 23 KM Kacha in ward no. (1,2, 3, 4, 5, 6, 7 & 9) and 20 KM HBB in ward no. (1, 2, 3, 4, 5, 6, 7, 8 & 9). Among them 12 KM Kucha and 9 KM HBB in road of 1, 2, 3,6, 8 & 9 no wards are in bad shape.

11. Gumanmardan union: There are total 24 KM road in Gumanmardan union. Among them 5.5 KM are pucca in ward no. (1, 2, 3, 6 &8), 18.5 KM Kacha in ward no. (1,2, 3, 4, 5, 6, 7 & 9) and 10 KM HBB in ward no. (3, 4, 5, 6, 7, 8 & 9). Among them 9 KM Kucha and 7 KM HBB road in 1, 2, 3,6, 8 no wards are in bad shape.

12. Burirchar union: There are total 24 KM road in Burirchar union. Among them 8 KM are pucca in ward no. (1, 2, 3, 5, 6 &8), 14.5 KM Kacha in ward no. (1,2, 3, 6, 7 & 9) and 10.5 KM HBB in ward no. (2, 4, 6, 7 & 9). Among them 7 KM Kucha and 5 KM HBB road of 1, 2, 3,6 no wards are in bad shape.

13. Uttar Madarsha union: There are total 24 KM road in Uttar Madarsha union. Among them 13 KM are pucca in ward no. (1, 2, 3, 5, 6 & 7), 11 KM Kacha in ward no. (1,2, 3, 6, 7 & 9) and 5.5 KM HBB ward no. (2, 4, 6, 7 & 9). Among them 6 KM Kucha and 2 KM HBB road of 1, 2, 3,6, 8 & 9 no wards are in bad shape.

14. Mirzapur union: There are total 24 KM road in Mirzapur union. Among them 16.5 KM are pucca of ward no. (1, 2, 3, 4, 5, 6, 7 & 9), 17.5 KM Kacha of ward no. (1,2, 3, 6, 7 & 9) and 11.5 KM HBB in ward no. (2, 4, 6, 7 & 9). Among them 12 KM Kucha and 5 KM HBB road of 1, 2, 3,6, 8 & 9 no wards are in bad shape.

Ca) Irrigation system:

Use of tube wells for crop production is not seen much in Hathazari Upazila. Most deep tube wells are used as sources of drinking water and used in homes and only few used for crop production. Total number of tube wells in 14 unions of Hathazari Upazila are 38177. Among them deep tube wells are 285, Shallow tube wells are 50. Detail description are provided below-

Sl. No.	Sources of Irrigation	Number	Area covered by Irrigation (Hectors)	Areas of land affected by Flood	Post flood condition
1	Deep tubewells	285	6100 acres	About 3280 acres	Post flood affect can be addressed if govt. and non government support is available.
2	Shallow deep tube wells	37840	-	-	-

3	Hand driven tube wells	2	-	-	-
4	Shallow tube wells	50	4800 acres	-	-

Cha) Hat & Bazaars:

There are 38 Hat & bazaars in 14 unions of Hathazari Upazila. According to field report Hats are sit 2 days in a week and Bazars 7 day in a week. There are total 7107 shops in all hat and Bazars of this Upazila. Detail information of hat and bazaars is provided below-

Sl no.	Name of Unions	Name of Bazar	Markets	Number of shop
1	Chikondandi	Nandir Hat	2 days / week	170
		Chowdhury Hat	2 days / week	740
		Lamir Hat	2 days / week	92
		Jugir Hat	2 days / week	252
		Khandakiyar Hat	2 days / week	86
		Baro Dighit bazar	Every day	724
		Aman Bazar	Every day	260
2	Fathepur	Islamiyar hat	2 days / week	44
		Madan Hat	2 days / week	152
		University 2 no Hat	2 days / week	100
3	Dhalai	Kathir hat	2 days / week	635
		Enayetpur hat	Every day	340
4	Shikarpur	Naju Miyar hat	2 days / week	315
5	Burirchar	Burirchar hat	Every day	180
6	Garduara	Natun Hat	2 days / week	25
		Kaptar Ali Hat	2 days / week	45
7	Chhibatali	Islamia hat	A week ২দিন	25
		Jilani market	2 days / week	32
		Mora Boalia Bazar	2 days / week	85
8	Uttat Madarsha	Ramdasmunshir hat	2 days / week	40
		Sayed Ahmed hat	2 days / week	35
		Badual Alam hat	2 days / week	65
9	Dakhin Madarsha	Maduna Ghat hat	Every day	320
10	Mekhol	Fajaia Hat	2 days / week	1000
		Bailtali hat	2 days / week	105
		Ananda hat	2 days / week	80
		Fakir hat	2 days / week	40
		Chattar hat	2 days / week	250
11	Mirzapur	Sarkar hat	2 days / week	250
		Akbar Ali Chow. hat	2 days / week	70
		Kali das Chou: hat	2 days / week	50

Sl no.	Name of Unions	Name of Bazar	Markets	Number of shop
		Muhuri hat	2 days / week	80
		Charia hat	2 days / week	85
12	Nangolmora	Nangolmora	2 days / week	70
13	Farhadabad	Noor Ali Mia hat	2 days / week	85
		Jabbar hat	2 days / week	35
		Nazir hat	2 days / week	60
14	Gumanmardan	Peshkar Hat	2 days / week	85

1.4.2 Social Assets

(ka) House/homes-

There are 76831 houses in 14 unions of Hathazari upazila. Among them 29020 are kucha, 17325 are Pucca and 304486 are semi pucca. Pucca houses are made of bricks, sand, cement and rod and kacha houses are made of Bamboo, trees, tin, Chan, wire and nails, rope, and bamboo fencing. Kacha houses are not disaster resilient. About 40% houses are below flood level. Unionwise detail of houses are provided below-

Sl.No.	Name of union	Number of Homes			Material that are used for making homes
		Kucha	Pucca	Semi-pucca	
1	Shikarpur	2016	1713	In 2749	Kacha houses are made of Clay, Bamboo fence, timber, and chan or tin on the roof, and Pucca homes are made of bricks, sand, cement and rods
2	Dakhin Madarsha	1731	1421	In 1986	
3	Mekhol	3271	In 2002	1657	
4	Chikondandi	3790	1732	In 5246	
5	Dhalai	3063	1195	3077	
6	Fathepur	2277	2659	3157	
7	Chhibatali	866	655	613	
8	Garduara	1024	544	1360	
9	Nangolmora	780	180	597	
10	Farhadabad	1542	1035	2910	
11	Giumanmardan	1237	364	1437	
12	BNurirchar	1665	1126	2603	
13	Uttar Madarsha	2763	1418	1622	
14	Mirzapur	2995	1281	3094	
Total		29020	17325	30486	

(Kha) Water:

Main sources of drinking water of 14 unions of Hathazari Upazila are deep tube well, shallow tube wells, water deriving from river/canals. Total tube wells are 38177. Among them deep tube wells are 285 and shallow tube wells are 50.

Number of tube wells are 38177, among them 31877 are in good condition, number of out of order tube wells are 6300, 20320 are above flood level. Number of usable tube well during flood are 5296. About 80% inhabitant use tube well water for their day to day use. Scarcity of safe drinking water is seen during flood.

(Ga) Sanitation situation-

Total number of latrines at 14 unions of Hathazari upazila are 76831. Among them Pucca latrine are 47801 and kacha are 29020. According to survey kacha latrines have been badly affected by various disasters.

(Gha) Educational Institutions/ Libraries:

There are total 228 educational institutions in 14 unions of Hathazari Upazila. Among them one are University, 5 colleges, 21 Madrashes, 43 High schools, 4 Girls High School, 122 Government Primary school & 25 Resi. Primay School. Union wise information is exhibited below-

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
Chittagong University	Govt. /Public	Chittagong University	Hathazari upazila	26,000	428
College	Non-govt.	Akbaria School & College	Hathazari	845	17
College	Non-govt.	Kathir Hat Mahila Cillege	Hathazari	490	12
College	Non-govt.	KC Shahid Ziyur Rahman College	Hathazari	640	13
College	Non-govt.	Chittagong University College	Hathazari	1100	18
College	Non-govt.	নাজিরহাট কলেজ	Hathazari	470	10
College	Non-govt.	Fathebad College	Hathazari	485	11
College	Non-govt.	Hathazari College	Hathazari	830	15
Secondary School	Non-govt.	Hathazari Parboti High School	Hathazari	520	11
Secondary School	Non-govt.	Shahidullah Academy	Hathazari	460	10
Secondary School	Non-govt.	Hathazari Boys School	Hathazari	550	11
Secondary	Non-govt.	Charia High School	Hathazari	486	10

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
School					
Secondary School	Non-govt.	Garduara High School	Hathazari	510	11
Secondary School	Non-govt.	Kathirhat High School	Hathazari	490	9
Secondary School	Non-govt.	Katakhali High School	Hathazari	500	10
Secondary School	Non-govt.	KS Naju Mia High School	Hathazari	465	9
Secondary School		Alipur Rahmania High School	Hathazari	480	10
Secondary School	Non-govt.	Ctg. Residensial High School	Hathazari	610	12
Secondary School	Non-govt.	Jobra PP High School	Hathazari	465	10
Secondary School	Non-govt.	Fathepur High School	Hathazari	510	11
Secondary School	Non-govt.	Fathepur Meharnega High School	Hathazari	470	10
Secondary School	Non-govt.	Mekhol Ideal High School	Hathazari	430	9
Secondary School	Non-govt.	Mir Nowbul Haque High School	Hathazari	470	10
Secondary School	Non-govt.	Jaforabad High School	Hathazari	465	9
Secondary School	Non-govt.	Fathebad Mohakhali High School	Hathazari	475	10
Secondary School	Non-govt.	Nagirhat High School	Hathazari	450	8
Secondary School	Non-govt.	Fazlul Kader Chow. High School	Hathazari	395	9
Secondary School	Non-govt.	Kuyais Burirchar High School	Hathazari	385	8
Secondary School	Non-govt.	Enayetpur High School	Hathazari	390	8
Secondary School	Non-govt.	Mafarsha High School	Hathazari	295	9
Secondary School	Non-govt.	Khandakia Chikondandi High School	Hathazari	375	10
Secondary School	Non-govt.	Pastim Dhalai High School	Hathazari	386	11
Secondary School	Non-govt.	Farhadabad High School	Hathazari	360	9

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
Secondary School	Non-govt.	Kathirhat Boys High School	Hathazari	345	8
Secondary School	Non-govt.	Eadgah Bahumukhi High School	Hathazari	430	10
Secondary School	Non-govt.	BCSIR High School	Hathazari	420	9
Secondary School	Non-govt.	Ctg. Senanibas High School	Hathazari	465	11
Secondary School	Non-govt.	Dakhin Mekhol High School	Hathazari	375	8
Secondary School	Non-govt.	Mirzapur High School	Hathazari	320	7
Secondary School	Non-govt.	Mirzapur Girl's High School	Hathazari	295	8
Secondary School	Non-govt.	Dakhin Madarsha High School	Hathazari	310	7
Secondary School	Non-govt.	AK Siddiki Girl's High School	Hathazari	340	8
Secondary School	Non-govt.	Nagolmora High School	Hathazari	380	7
Secondary School	Non-govt.	Fatheyabad Ideal High School	Hathazari	395	9
Secondary School	Non-govt.	Nagendranath Mohazan High School	Hathazari	295	7
Secondary School	Non-govt.	Fatheyabad Shaibal High School	Hathazari	285	7
Secondary School	Non-govt.	Burirchar High School	Hathazari	310	9
Secondary School	Non-govt.	Gumanmardan Peskarhat High School	Hathazari	385	10
Secondary School	Non-govt.	Uttar Madarsha High School	Hathazari	290	8
Secondary School	Non-govt.	Jahangir Line High School	Hathazari	240	7
Secondary School	Non-govt.	Fatheyabad City corporation High School	Hathazari	420	10
Junior School	Non-govt.	Alampur Junior School	Hathazari	275	7
Junior School	Non-govt.	Madarsha Ideal Junioe School	Hathazari	260	6
Junior School	Non-govt.	Jobra Junioe School	Hathazari	220	7
Junior School	Non-govt.	Mirzapur Junioe School	Hathazari	240	7
Junior School	Non-govt.	Chapa Motaleb Junioe School	Hathazari	230	6
Junior School	Non-govt.	Sandwip Para School	Hathazari	255	7

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
Public School and College	Non-govt.	Hill Side Public High School & College	Hathazari	385	8
Primary School	Government	Alampur Ideal Govt. Pri. School	Hathazari	235	5
Primary School	Government	Barighona Govt. Pri. School	Hathazari	345	7
Primary School	Government	Bhagirghona Govt. Pri. School	Hathazari	320	6
Primary School	Government	Charia Board Govt. Pri. School	Hathazari	310	8
Primary School	Government	Dakhin Udalia Govt. Pri. School	Hathazari	270	7
Primary School	Government	Dhalai Mira Govt. Pri. School	Hathazari	230	6
Primary School	Government	Dhalai Sekandira Govt. Pri. School	Hathazari	310	7
Primary School	Government	Farhadabad Munsibari Govt. Pri. School	Hathazari	390	6
Primary School	Government	Hazi Mafzal Mia Govt. Pri. School	Hathazari	330	7
Primary School	Government	Kathirhat Govt. Pri. School	Hathazari	295	8
Primary School	Government	Madhur Ghona Govt. Pri. School	Hathazari	310	6
Primary School	Government	Nazirhat Khaira Govt. Pri. School	Hathazari	375	7
Primary School	Government	Pastim Dhalai Govt. Pri. School	Hathazari	245	5
Primary School	Government	Farhadabad Govt. Pri. School	Hathazari	365	7
Primary School	Government	Chikondandi Darbasia Govt. Pri. School	Hathazari	345	6
Primary School	Government	Chikondandi Kazipara Govt. Pri. School	Hathazari	405	8
Primary School	Government	Chikondandi Katakhalia Govt. Pri. School	Hathazari	370	7
Primary School	Government	Chibatali Board Govt. Pri. School	Hathazari	236	6
Primary School	Government	Chibatali Eadgah Govt. Pri. School	Hathazari	320	6
Primary School	Government	Enayetpur Govt. Pri. School	Hathazari	310	5
Primary School	Government	Fathebad Batali Govt. Pri. School	Hathazari	395	5
Primary School	Government	Fatika Rahmania Govt. Pri. School	Hathazari	310	6
Primary School	Government	Garduara Govt. Pri. School	Hathazari	180	5
Primary School	Government	Hadi Nagar Bastuhara Govt. Pri. School	Hathazari	310	6

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
Primary School	Government	Jaforabad Govt. Pri. School	Hathazari	379	8
Primary School	Government	Khandakia Govt. Pri. School	Hathazari	326	5
Primary School	Government	Madaesha Govt. Pri. School	Hathazari	321	8
Primary School	Government	Masumpara Govt. Pri. School	Hathazari	307	6
Primary School	Government	Mirer Khil Govt. Pri. School	Hathazari	284	5
Primary School	Government	Modha Madarsha Govt. Pri. School	Hathazari	315	7
Primary School	Government	Modha Madarsha Nabia Govt. Pri. School	Hathazari	287	6
Primary School	Government	Mujaforabad Govt. Pri. School	Hathazari	278	5
Primary School	Government	Charia Kazipara Govt. Pri. School	Hathazari	420	8
Primary School	Government	Ramdass hat Govt. Pri. School	Hathazari	434	8
Primary School	Government	Rosangia Govt. Pri. School	Hathazari	310	6
Primary School	Government	Rahllahpur Govt. Pri. School	Hathazari	213	5
Primary School	Government	Salamotali Khan Govt. Pri. School	Hathazari	376	8
Primary School	Government	Dakhin Nangolmora Govt. Pri. School	Hathazari	313	7
Primary School	Government	Sijanagar Govt. Pri. School	Hathazari	43	8
Primary School	Government	Uttar Burirchar Govt. Pri. School	Hathazari	389	7
Primary School	Government	Uttar Udalia Govt. Pri. School	Hathazari	365	7
Primary School	Government	Dhalai Sair Govt. Pri. School	Hathazari	356	6
Primary School	Government	Garduara Govt. Pri. School	Hathazari	376	7
Primary School	Government	Mandakina Govt. Pri. School	Hathazari	314	8
Primary School	Government	Farhadabad Usufia Govt. Pri. School	Hathazari	420	9
Primary School	Government	Farhadabad Bangshal Govt. Pri. School	Hathazari	335	7
Primary School	Government	Farhadabad Govt. Pri. School	Hathazari	310	6
Primary School	Government	Mahamudabad Govt. Pri. School	Hathazari	379	8
Primary School	Government	Dhalai Shantirhat Govt. Pri. School	Hathazari	396	8
Primary School	Government	Dhalai Kazi para Govt. Pri. School	Hathazari	385	8
Primary School	Government	Pastim Dhalai Govt. Pri. School	Hathazari	356	7
Primary School	Government	Hadurkhil Govt. Pri. School	Hathazari	295	7

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
Primary School	Government	Dhalai Sona Govt. Pri. School	Hathazari	414	8
Primary School	Government	Dhalai Kadal Govt. Pri. School	Hathazari	417	8
Primary School	Government	Uttar Enayetpur Govt. Pri. School	Hathazari	387	7
Primary School	Government	Enayetpur Govt. Pri. School	Hathazari	280	5
Primary School	Government	Mirzapur Govt. Pri. School	Hathazari	456	9
Primary School	Government	Mirzapur Pahirtali Govt. Pri. School	Hathazari	410	7
Primary School	Government	Mirzapur Ideal Govt. Pri. School	Hathazari	310	9
Primary School	Government	Charia Nozamia Govt. Pri. School	Hathazari	470	8
Primary School	Government	Hashimnagar Govt. Pri. School	Hathazari	315	7
Primary School	Government	Uttar Chadeknagar Govt. Pri. School	Hathazari	298	6
Primary School	Government	Dakhin Chadek Nagar Govt. Pri. School	Hathazari	421	9
Primary School	Government	Gumanmardan Govt. Pri. School	Hathazari	345	9
Primary School	Government	Gumanmardan keyan Govt. Pri. School	Hathazari	188	5
Primary School	Government	Gumanmardan katakhali Govt. Pri. School	Hathazari	356	7
Primary School	Government	Gumanmardan Balukhali Govt. Pri. School	Hathazari	260	6
Primary School	Government	Nangolmora Govt. Pri. School	Hathazari	378	7
Primary School	Government	Ali Mohammad Govt. Pri. School	Hathazari	384	8
Primary School	Government	Lal Mohammad Govt. Pri. School	Hathazari	298	6
Primary School	Government	Kazirkhil Govt. Pri. School	Hathazari	397	7
Primary School	Government	Mohammadpur Govt. Pri. School	Hathazari	284	6
Primary School	Government	Chandrapur Govt. Pri. School	Hathazari	314	8
Primary School	Government	Hathazari Govt. Pri. School	Hathazari	495	10
Primary School	Government	Deyannagar Govt. Pri. School	Hathazari	445	8
Primary School	Government	Rangila Govt. Pri. School	Hathazari	386	7
Primary School	Government	Alipur Govt. Pri. School	Hathazari	376	8
Primary School	Government	MNRkhol Ali Govt. Pri. School	Hathazari	310	7
Primary School	Government	Rahimpur Govt. Pri. School	Hathazari	285	6

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
Primary School	Government	Mekhoil Govt. Pri. School	Hathazari	356	7
Primary School	Government	Mekhoil Pundolik Govt. Pri. School	Hathazari	249	5
Primary School	Government	Mekhoil Pandir Hat Govt. Pri. School	Hathazari	418	8
Primary School	Government	Dakhin Mekhol Govt. Pri. School	Hathazari	413	7
Primary School	Government	Mekhol Doyamaya Govt. Pri. School	Hathazari	376	6
Primary School	Government	Dakhin Mekhol Govt. Pri. School	Hathazari	265	5
Primary School	Government	Uttar Mekhol Govt. Pri. School	Hathazari	275	6
Primary School	Government	Mekhol Rohullahpur Govt. Pri. School	Hathazari	263	7
Primary School	Government	Gaduara Keramotali Govt. Pri. School	Hathazari	386	8
Primary School	Government	Gorduara Board Govt. Pri. School	Hathazari	377	7
Primary School	Government	Gorduara Moheter Govt. Pri. School	Hathazari	265	6
Primary School	Government	Madarsha Anowara Govt. Pri. School	Hathazari	387	7
Primary School	Government	Madarsha Natun hat Govt. Pri. School	Hathazari	279	6
Primary School	Government	Madarsha Mahluma Govt. Pri. School	Hathazari	381	7
Primary School	Government	Machuya ghoa Govt. Pri. School	Hathazari	376	6
Primary School	Government	Bhabanipur Govt. Pri. School	Hathazari	420	7
Primary School	Government	Jobra Govt. Pri. School	Hathazari	445	8
Primary School	Government	Fathe Latifpur Govt. Pri. School	Hathazari	305	7
Primary School	Government	Fatherpur Govt. Pri. School	Hathazari	287	6
Primary School	Government	Dakhin Fathepur Govt. Pri. School	Hathazari	171	7
Primary School	Government	Farhadabad Kulal Govt. Pri. School	Hathazari	211	7
Primary School	Government	Helal Chowdhury Govt. Pri. School	Hathazari	178	6
Primary School	Government	Nandirhat Govt. Pri. School	Hathazari	325	8
Primary School	Government	Nehalpur Govt. Pri. School	Hathazari	389	6

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
Primary School	Government	Uttat Fathepur Govt. Pri. School	Hathazari	269	6
Primary School	Government	Fatheyabad Ahmadia Govt. Pri. School	Hathazari	441	8
Primary School	Government	Ramkrishana Govt. Pri. School	Hathazari	289	7
Primary School	Government	Dhakhin Fatheyabad Govt. Pri. School	Hathazari	280	6
Primary School	Government	Mohakali Govt. Pri. School	Hathazari	270	5
Primary School	Government	Madarsha Rahmania Govt. Pri. School	Hathazari	383	7
Primary School	Government	Madarsha Akbaria Govt. Pri. School	Hathazari	267	6
Primary School	Government	Madarsha Nabia Govt. Pri. School	Hathazari	385	7
Primary School	Government	Dakhin Madarsha Govt. Pri. School	Hathazari	313	8
Primary School	Government	KS Ishak Govt. Pri. School	Hathazari	287	6
Primary School	Government	Shikarpur Govt. Pri. School	Hathazari	378	7
Primary School	Government	Gourangbari Govt. Pri. School	Hathazari	165	5
Primary School	Government	Bathuya Govt. Pri. School	Hathazari	298	7
Primary School	Government	Kuyais Govt. Pri. School	Hathazari	210	6
Primary School	Government	Jarukia Govt. Pri. School		339	5
Primary School	Government	Modha Burirchar Govt. Pri. School	Hathazari	289	7
Primary School	Government	Dakhin Burirchar Alamia Govt. Pri. School	Hathazari	365	6
Primary School	Government	Dakhin Burirchar Osmania Govt. Pri. School	Hathazari	363	7
Primary School	Government	Madarsha Dishari Govt. Pri. School	Hathazari	271	6
Primary School	Government	Gumanmardan Govt. Pri. School	Hathazari	320	8
Primary School	Government	Bariaghona Govt. Pri. School	Hathazari	278	6
Primary School	Government	Bathuya Islamia Govt. Pri. School	Hathazari	267	5
Primary School	Government	Dakhin Pastim Bathuya Govt. Pri. School	Hathazari	387	7
Primary School	Government	Uttat Gumanmardan Govt. Pri. School	Hathazari	276	6
Primary School	Government	Modha Pahartali Govt. Pri. School	Hathazari	335	8

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
Primary School	Government	Chibatali Govt. Pri. School	Hathazari	315	7
Primary School	Government	East Gorduara Govt. Pri. School	Hathazari	276	5
Primary School	Government	Easr Gorduara Shikder Govt. Pri. School	Hathazari	256	5
Primary School	Government	Jobra Govt. Pri. School	Hathazari	378	7
Primary School	Government	Deyannagar Govt. Pri. School	Hathazari	266	6
Primary School	Government	Rahmot Ghona Govt. Pri. School	Hathazari	256	5
Primary School	Government	Chota Kanachanpur Govt. Pri. School	Hathazari	276	4
Primary School	Government	Najirhat Govt. Pri. School	Hathazari	410	8
Primary School	Government	Bathuya Ahmadia Govt. Pri. School	Hathazari	302	7
Primary School	Government	Khagrachari Govt. Pri. School	Hathazari	276	6
Primary School	Government	Dakhin Gumanmardan Govt. Pri. School	Hathazari	365	7
Primary School	Government	Jobra Khamer Govt. Pri. School	Hathazari	256	5
Primary School	Government	Charia Govt. Pri. School	Hathazari	486	7
Primary School	Government	Dhalai Shafi Govt. Pri. School	Hathazari	285	6
Primary School	Government	Mirzapur Obaidullah Govt. Pri. School	Hathazari	321	8
Primary School	Government	Mirzapur Monsurabad Govt. Pri. School	Hathazari	374	7
Primary School	Government	Shah Hossainuzaman Govt. Pri. School	Hathazari	254	5
Primary School	Government	Fathepue Community Govt. Pri. School	Hathazari	239	4
Primary School	Government	Azimpur Gouchiya Govt. Pri. School	Hathazari	367	7
Madrasa	Non-govt.	Jameya Aduya Sunni Madrasa	Hathazari	248	5
Madrasa	Non-govt.	Chibatali Jameya Gouchiya Kamil Madrasa	Hathazari	365	9
Madrasa	Non-govt.	Kathirhat Mafidul Islam Madrasa	Hathazari	312	7
Madrasa	Non-govt.	Nangolmora Samsul Ullum Madrasa	Hathazari	376	6
Madrasa	Non-govt.	Burirchar Ziaullum Madrasa	Hathazari	270	7
Madrasa	Non-govt.	Bat Tali Islamia Fazil Madrasa	Hathazari	385	8
Madrasa	Non-govt.	Hazrat Albar Shah Dakhil Madrasa	Hathazari	290	6

Educational Institution	Govt./ non-govt./Resi	Name of the institution education	Position/ Ward	No. of student	Teacher / Teacher
Madrasa	Non-govt.	Hathazari Anowarul Ullum Madrasa	Hathazari	312	7
Madrasa	Non-govt.	Baitus Sharuf Madrasa	Hathazari	298	8
Madrasa	Non-govt.	Enayetpur Moynia Madrasa	Hathazari	256	6
Madrasa	Non-govt.	Fathepur MI Senior Madrasa	Hathazari	410	8
Madrasa	Non-govt.	Mirzapur Joynul ullum Madrasa	Hathazari	465	10
Madrasa	Non-govt.	Lamirhat Madrasa	Hathazari	286	6
Madrasa	Non-govt.	Gi=umanmardan Peskerhat Madrasa	Hathazari	289	8
Madrasa	Non-govt.	Ahmadia Tajul Mohila Dakhil Madrasa	Hathazari	420	11
Madrasa	Non-govt.	Toyebia Sunni Madrasa	Hathazari	320	8
Madrasa	Non-govt.	Mirzapur Gouchiya Dakhil Madrasa	Hathazari	410	11
Madrasa	Non-govt.	Hamidia Hossinia Dakhil Madrasa	Hathazari	312	7
Madrasa	Non-govt.	Fatheyabad Toyabad Madrasa	Hathazari	297	6
Madrasa	Non-govt.	Gouchiya Munia Madrasa	Hathazari	265	5
Madrasa	Non-govt.	Mohammadia Boy's Madrasa	Hathazari	302	7
Institute	Non-govt.	Agricultural Institute	Hathazari	485	11
Institute	Non-govt.	Hathazari Rudraraz Sanskriti College	Hathazari	370	8

(Uma) Religious Institutions/Religious gatherings (Eidgah)

There are 486 mosques in 14 unions of Hathazari Upazila. Besides there are also 54 no Eidgah & 59 number temples. It may be mentioned here that people offer their Eid prayer at mosques as the number of Eidgah are less. Union wise information:

Sl. No.	Name of Union	Mosque/ Temples/ Eidgah	Locations	Brief Description
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Sl. No.	Name of Union	Mosque/ Temples/ Eidgah	Locations	Brief Description
1	Farhadabad	Mosque	Total number of mosques in Farhadabad union are 43, 7 mosques are in 1 no ward, 4 mosques are in ward no 2, 5 mosques are in ward no 3, 6 mosques are in ward no 4, 5 mosques are in ward no 5, 6 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in ward no 9.	
		Eidgah	Total no of eidgah field 16. 2 Eidgah field are in ward no 1, . 2 Eidgah field are in ward no 2, . 4 Eidgah field are in ward no 4, . 3 Eidgah field are in ward no 5, . 3 Eidgah field are in ward no 8, . 2 Eidgah field are in ward no 9.	local level 1 But in the Idgah ground as-Salam Mosque
		Temple	Total no of the temple - 3. 2 temple are in ward no 4, 1 temple are in ward no 5 & 1 temple are in ward no 9	
2	Gumanmardan	Mosque	Total number of mosques in Gumanmardan union are 35, 5 mosques are in 1 no ward, 3 mosques are in ward no 2, 4 mosques are in ward no 3, 4 mosques are in ward no 4, 5 mosques are in ward no 5, 6 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in ward no 9.	
		Temple	This Union of the temple - 5. 2 temple are in ward no 2, 1 temple are in ward no 3, 1 temple are in ward no 7 & 2 temple are in ward no 9	
		Eidgah ground	This Union total eidgah field 9. 1 Eidgah field are in ward no 1, . 1 Eidgah field are in ward no 2, . 1 Eidgah field are in ward no 4, . 1 Eidgah field are in ward no 5, . 2 Eidgah field are in ward no 8, . 2 Eidgah field are in ward no 9.	local level 1 But in the Idgah ground as-Salam Mosque
3	Burirchar	Mosque	Total number of mosques in Gumanmardan union are 31, 3 mosques are in 1 no ward, 2 mosques are in ward no 2, 5 mosques are in ward no 3, 4 mosques are in ward no 4, 5 mosques are in ward no 5, 4 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in	

Sl. No.	Name of Union	Mosque/ Temples/ Eidgah	Locations	Brief Description
			ward no 9.	
		Temple	Number of temple-2, at-1 temple is ward no 7 & 1 temple is ward no 9	
		Eidgah ground	There is no field Idgah ground in this Union.	The local level but there is no Mosque in the Idgah ground As-Salam Mosque
4	Dhalai	Mosque	Total number of mosques in Dhalai union are 40, 6 mosques are in 1 no ward, 4 mosques are in ward no 2, 4 mosques are in ward no 3, 6 mosques are in ward no 4, 5 mosques are in ward no 5, 4 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in ward no 9.	
		Temple	This Union of the temple - 11. 4 temple are in ward no 2, 3 temple are in ward no 3, 4 temple are in ward no 8.	
		Eidgah ground	The Idgah ground 2. 1 ward no-3 & i Eidgah field is ward no 4.	local level 5 But in the Idgah ground as-Salam Mosque
5	Fathepur	Mosque	Total number of mosques in Fathepur union are 51, 8 mosques are in 1 no ward, 7 mosques are in ward no 2, 6 mosques are in ward no 3, 8 mosques are in ward no 4, 7 mosques are in ward no 5, 6 mosques in ward no 6, 7 mosques in ward no 7, 6 mosques in ward no 8 and 6 mosques in ward no 9.	
		Temple	This Union of the temple - 5. 2 temple are in ward no 2, 1 temple are in ward no 3, 1 temple are in ward no 7 & 2 temple are in ward no 8.	
		Eidgah ground	Idgah ground ground 1. In Ward No. 2.	local level 1 But in the Idgah ground as-Salam Mosque
6	Chibatali	Mosque	The total mosque 22. 4 In Ward No. 1 and No. 2 in Ward 3 and ward 4, No. 3 and No. 4 in Ward 5 and ward 3, 5, and 4, in Ward No. 6 and No. 7 in ward 4 and ward 4, no. 8	

Sl. No.	Name of Union	Mosque/ Temples/ Eidgah	Locations	Brief Description
			and No. 6 and 9 in Ward-5 mosque.	
		Temple	There is no temple in this Union.	
		Eidgah ground	Idgah ground ground 2. 1 eidgah field are ward no 2 & 1 Ward No. 4.	The local level but there is no Mosque in the Idgah ground As-Salam Mosque
7	Garduara	Mosque	Total number of mosques in Garduara union are 45, 7 mosques are in 1 no ward, 4 mosques are in ward no 2, 5 mosques are in ward no 3, 6 mosques are in ward no 4, 5 mosques are in ward no 5, 6 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in ward no 9.	
		Temple	There is no temple in this Union.	
		Eidgah ground	Idgah ground 3 ground. No. 1 ward no. 1, 3 and 1, number 4 ward no. 1, 5 and 1, no. 6 ward no-1.	local level 5 But in the Idgah ground as-Salam Mosque
8	Uttar Madarsha	Mosque	Total number of mosques in Uttar Madarsha union are 65, 8 mosques are in 1 no ward, 7 mosques are in ward no 2, 6 mosques are in ward no 3, 8 mosques are in ward no 4, 8 mosques are in ward no 5, 7 mosques in ward no 6, 3 mosques in ward no 7, 8 mosques in ward no 8 and 3 mosques in ward no 9.	
		Temple	This Union of the temple - 5. 2 temple are in ward no 2, 1 temple are in ward no 3, 1 temple are in ward no 7 & 2 temple are in ward no 8.	
		Eidgah ground	Idgah ground ground 2. 1 in Ward No. 5 & 1 eidgah field ward No 6.	local level the Idgah ground but Mosque in the As-Salam.
9		Mosque	The total mosque 26. 4 In Ward No. 8 and No. 2 in Ward 3 and ward 4, No. 3 and No. 4 in Ward 5 and ward 3, 5, and 4, in Ward No. 6 and No. 7 in ward 4 and ward 4, no. 8 and No. 6 and 9 in Ward-5 mosque.	
		temple	This Union of the temple - 5. 2 temple are	

Sl. No.	Name of Union	Mosque/ Temples/ Eidgah	Locations	Brief Description
	Shikarpue		in ward no 2, 1 temple are in ward no 3, 1 temple are in ward no 7 & 2 temple are in ward no 9.	
		Eidgah ground	Idgah ground ground 2. 1 in Ward No. 5 & 1 eidgah field ward No 8.	The local level but there is no Mosque in the Idgah ground As-Salam Mosque
10	Dakhin Madarsha	Mosque	Total number of mosques in Dakhin Madarsha union are 42, 7 mosques are in 1 no ward, 4 mosques are in ward no 2, 5 mosques are in ward no 3, 6 mosques are in ward no 4, 5 mosques are in ward no 5, 6 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in ward no 9.	
		Temple	This Union of the temple - 6. 2 temple are in ward no 2, 2 temple are in ward no 3, 1 temple are in ward no 7 & 2 temple are in ward no 9.	
		Eidgah ground	No Idgah ground in this Union.	The local level but there is no Mosque in the Idgah ground As-Salam Mosque
11	Mirzapur	Mosque	Total number of mosques in Mirzapur union are 42, 7 mosques are in 1 no ward, 4 mosques are in ward no 2, 5 mosques are in ward no 3, 6 mosques are in ward no 4, 5 mosques are in ward no 5, 6 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in ward no 9.	
		Temple	This Union of the temple - 11. 4 temple are in ward no 2, 3 temple are in ward no 3, 3 temple are in ward no 7 & 2 temple are in ward no 9.	
		Eidgah ground	No Idgah ground in this Union.	The local level but there is no Mosque in the Idgah ground As-Salam Mosque
12	Nangolmora	Mosque	Total number of mosques in Nangolmora	

Sl. No.	Name of Union	Mosque/ Temples/ Eidgah	Locations	Brief Description
			union are 37, 5 mosques are in 1 no ward, 4 mosques are in ward no 2, 4 mosques are in ward no 3, 3 mosques are in ward no 4, 5 mosques are in ward no 5, 6 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in ward no 9.	
		Temple	This Union of the temple - 7. 4 temple are in ward no 2, 3 temple are in ward no 3, 3 temple are in ward no 7 & 2 temple are in ward no 9.	
		Eidgah ground	Idgah ground ground 3. 1 in Ward No. 5 & 1 eidgah field ward No 8.	The local level but there is no Mosque in the Idgah ground As-Salam Mosque
13	Chikondandi	Mosque	Total number of mosques in Chikondandi union are 58, 7 mosques are in 1 no ward, 5 mosques are in ward no 2, 6 mosques are in ward no 3, 7 mosques are in ward no 4, 5 mosques are in ward no 5, 6 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in ward no 9.	
		Temple	This Union of the temple - 12. 4 temple are in ward no 2, 3 temple are in ward no 3, 5 temple are in ward no 7 & 2 temple are in ward no 9.	
		Eidgah ground	Idgah ground ground 4. 1 in Ward No. 5 & 1 eidgah field ward No 8.	The local level but there is no Mosque in the Idgah ground As-Salam Mosque
13	Mekhol	Mosque	Total number of mosques in Mekhol union are 47, 7 mosques are in 1 no ward, 5 mosques are in ward no 2, 6 mosques are in ward no 3, 7 mosques are in ward no 4, 5 mosques are in ward no 5, 6 mosques in ward no 6, 3 mosques in ward no 7, 4 mosques in ward no 8 and 3 mosques in ward no 9.	
		Temple	This Union of the temple - 14. 4 temple are in ward no 2, 3 temple are in ward no 3, 5	

Sl. No.	Name of Union	Mosque/ Temples/ Eidgah	Locations	Brief Description
			temple are in ward no 7 & 2 temple are in ward no 9.	
		Eidgah ground	Idgah ground 10. 1 in Ward No. 1, 4 Idgah ground are ward no 2, 2 Idgah ground are ward no 5 & 3 eidgah field ward No 7.	The local level but there is no Mosque in the Idgah ground As-Salam Mosque

(Ca) Health Service:

There are 43 health and family welfare centers at 14 unions of Hathazari Upazila. Among them 1 is health complex, 11 are Union level health and family welfare centers. Community clinics are 31, and union satellite clinics are 12. There are total 34 doctors serving in these centers. It may be mentioned here that there are attitional staff other than doctors in those health centers. But number of doctors and staff are not sufficient in those health centers particularly in Satellite and community health clinics. So the quality of health services is not up to the mark. To take special care for aged and pregnant women during disaster is very crucial but this hamper due to lack of sufficient doctors and nurses. So sufficient doctors, nurses and medicines should be make available.

Health Centers	Locations	Number of Doctors in each center	Number of Nurses in Each center	Quality of Services
Health and family welfare center	Upazila	19 people.	25	Good
Health and family welfare center	Farhadabad	1	There is no nurse	Good
Health and family welfare center	Mirzapur	1	There is no nurse	Good
Health and family welfare center	Gumanmardan	1	There is no nurse	Good
Health and family welfare center	Nangolmora	1	There is no nurse	Good

Health and family welfare center	Chibatali	1	There is no nurse	Good
Health and family welfare center	Mekhol	1	There is no nurse	Good
Health and family welfare center	Garduara	1	There is no nurse	Good
Health and family welfare center	Fathepur	1	There is no nurse	Good
Health and family welfare center	Chikondandi	1	There is no nurse	Good
Health and family welfare center	Uttar Madarsha	1	There is no nurse	Good
Health and family welfare center	Shikarpur	1	There is no nurse	Good
community clinics	All union	10	There is no nurse	More or less

(Cha) Bank & Post Office:

Total number of Banks in Hathazari upazila is 34. Banks have been providing loans, SME loans and other banking transaction. Union wise detail information of Banks is provided below-

Sl no.	Union	Name of Bank
1	Mirzapur	Agrani Bank Limited
2	Nangolmora	Standard Bank Limited 1.
3	Burirchar	1) Bangladesh Krishil Bank 2) Janata Bank 3) AB Bank 4) Islamic Bank 5) Mutual Trust Bank 6) IFIC Bank Ltd.
4	Farhadabad	Janata Bank Limited
5	Gumanmardan	There is no Bank in this union
6	Fathepur	1) Agrani Bank 2) Janata Bank 3) Grameen Bank 4) Bangladesh Krishi Bank
7	Dhalai	1)Pubali Bank 2) Rupali Bank 3) Krishi Bank 4) Fast security Islamic Bank
8	Chhibatali	There is no bank here.
9	Garduara	There is no bank here.
10	Chikondandi	1) Janata Bank 2. Agrani Bank 3. UCBL 4) National bank 5) Dutch Bangla bank 6) One Bank 7) IFIC bank 8) Grameen Bank 9) Eouth East Bank
11	Uttar Madarsha	There is no bank here
12	Dakhin Madarsha	1) UCBL 2) Pubali Bank 3) Agrani Bak 4) Krishi Bank)
13	Shikarpur	1) Grameen Bank
14	Mekhol	1) Janata Bank

Union wise Post office:

There are 25 post offices in 14 unions of Hathazari Upazila. Many kinds of services are provided including money transactions. Union wise detail of post offices is exhibited below-

SI No	Union	Name of Post Office
1	Hathazari upazila	1. Sultan city post office 2. Darul Ullum Madrasa Post Office
2	Farhadabad	Nur Ali Mia Hat post office & Pak Darbar Post Office
3	Dhalai	Shitol Bari post office & Enayetpur post office
4	Chikondandi	Nandir Hat post office & Samitirhat post office & Badiul Alam Post office
5	Shikarpur	Noor Ali Baripost office
6	Fathepur	Madanhat Post Office & University post office
7	Nangolmora	Nangolmora Post Office
8	Chhibatali	chhibatali post office & Gauchiya post office
9	Mirzapur	Chiria post office
10	Gumanmardan	Gumanmardan post office
11	Garduara	Garduara post office
12	Mekhol	Mekhol post office, East Mekhol post office & East Rahimpur post office
13	Uttar Madarsha	Ramdas Post Office & Badiul Alam post office
14	Dakhin Madarsha	Samitirhat Post Office
15	Burirchar	Tenderghat post office

(Ja) Clubs & Cultural centers:

There are 72 clubs in 14 unions of Hathazari Upazila. Activities of some clubs have close. All these clubs support in many social development activities. Union wise information of those clubs are provided below-

SI No	Name of Union	Name of Club & Cultural centers	Support to development & Social dev. Activities
1	Dhalai	Enayetpur Gono Pathagar	They support in organizing various social cultural events and help in the different welfare activities
		Kathirhat Clib	
2	Fathepur	Udichi Sangho	
		Fathepur Udichi Sangho	
		Baktir Fakir Youth organization	
3	Chhibatali	The sun rays club	
		New Star Wars Club	
		Manjuti Club	
		Great club	
		Fakir Ahmed Shah Memorial	

Sl No	Name of Union	Name of Club & Cultural centers	Support to development & Social dev. Activities
		Organization	
		Lucky star Club	
		Unity organization	
4	Garduara	Hilful organization	
		Well fair social Association	
		Mohona organization	
		Nowjoyan organization	
		Zia Memorial organization	
5	Uttar Madarsha	Jamshedia Youth organization	
		Ramdass Crescent club	
		Bari Ghona Mitali organization	
6	Dakhin Madarsha	M. A. Aziz Memorial club	
		Purabi organization	
		Mitali organization	
	Mekhol	Mikhol star C.	
		Youth United organization	
		Udayan United organization	
		Jagoron organization	
		Mymuna Star Club	
		Bangabandhu Memorial organization	
		Rasel Memorial organization	
		The Rainbow Memorial	
		Durjoy organization	
		Youth welfare United Nations	
		You know Ali Memorial Parliament	
		Monihar Club	
		Youth Wellfair organization	
		JanAli Memorial organization 7	
8	Burirchar	Burirchar Public Welfare United Nations	
		Ideal society	
		Rainbow Club	
		Youth Sports Club	
		Ansar VDP club	
9	Mirzapur	Mirzapur Mirali Sangho	
		Mitali Organization	
		Rasel Memorial Club	

Sl No	Name of Union	Name of Club & Cultural centers	Support to development & Social dev. Activities
10	Chikondandi	Nabo Jagoron Club	
		Rasel Sangho	
		Russell Memorial United Nations	
		Play Unity	
11	Farhadabad	Mahamudabad Sapla Sangho	
		Mahamudabad Youth Sangho	
		Barnali Ideal Sangho	
		Madanhat Ideal Sangho	
		Diptiman Ideal Sangho	
		Jagorani Sangho	
		Mohuri Tdeal Sangho	
12	Gumanmardan	Community welfare council	
		Nazrul United Nations	
		United Nations Rally	
		Muhammad Tayeb Memorial Parliament	
		Gumanmardan Buddhist unity Council	
13	Nangolmora	Amin Majhi Sangho	
		Anukul Memorial Sangho	
		Hasmat Ali Memorial United Nations Club	
		Sunmun Star Sangho	
		New Unity Sangho	
14	Shikarpur	Young United Nations	
		United Nations day shikarpur	
		shikarpur United Nations water Lily	
		Nabo Chetana Youth shikarpur	

(GHA) NGO/ Voluntary organizations:

Sl. No.	Name of NGO	Activities	No of beneficiaries	Duration of project
1.	PRASHIKA	Education, Legal support, Awareness, Micro-financing	930 people	Long term / Continuing
2.	ASA	Education, Micro –financing, awareness	1030 people	Long Term term/ongoing
3.	BRAC	Women development, Education, awareness,	2750 people	Long Term

		risk reduction , Health & mivro-credit		term/ongoing
4	SDI	Health, Awareness and Micro-Credit	1120 people	Long Term term/ongoing
5	Palli Progati	Health, Awareness & Micro-Credit	270 people	Long Term term/ongoing
6	TMSS	Women development, Education, Awareness, risk reduction, Health & Micro-credit	1530 people	Long Term term/ongoing
7	Grameen Bank	Micro-Credit	620 people	Long Term term/ongoing
8	Red Cresent	Awareness, Risk Reduction & Micro-Credit	650 people	Long Term term/ongoing
9	Web	Health & Micro-Credit	265 people	Long Term term/ongoing
10	Grameen Shakti	Shoro Bidyt & Micro-Credit	270 people	Long Term term/ongoing
11	Mother foundation	Micro-Credit	195 people	Long Term term/ongoing
12	World Vission	Reduction of risk, Awareness and Micro-Credit	7500 people	Long Term term/ongoing
13	Blast	legal help, to raise awareness and Micro-Credit	417 people	5 year plan
14	CMES	Micro-Credit	185 people	Long Term term/ongoing
15	MUSLIM AID	Health, Awareness and Micro-Credit	695 people	3 years
16	UDDIPON	Health, Awareness and Health service	985 people	5 year plan
17	IDF	Reduction of risk, Awareness and Micro-Credit	1020 people	5 year plan
18	Pratashi	Health, Awareness and Micro-Credit	760 people	Long Term term/ongoing

(Umo) Playground:

There are 38 playgrounds for leisure and game at Hathazari Upazila. Union wise detail is provided below-

Sl. no	Name of unions	Locals of playgrounds	Use in disasters
1	Dhalai	Kathir Hat High School, Enayetpur High School	Men & livestocks can use these grounds during Disasters
2	Fathepur	University ground, Fathepur High School, Jobra High School	
3	Garduara	Garduara High School, Shahidullah High School	
4	Uttar Madarsha	Madarsha High School	
5	Burirchar	There is no playing in a field here.	
6	Shikarpur	Bathuya Govt. Pri. School	

Sl. no	Name of unions	Locals of playgrounds	Use in disasters
7	Mekhol	Jaforabad High School, Mekhol Ideal High School & nagendra Mohagon High School	
8	Mirzapur	Mirzapur High School & Charia High School	
9	Farhadabad	Farhadabad High School & nagirhat High School	
10	Gumanmardan	Peshkar hat High School	
11	Nangolmora	Nangolmora High School	
12	Chhibatali	There is no paly ground	
13	Chikondandi	Chikondandi High School & Khandakia High School	
14	Dakhin Madarsha	Dakhin Madarsha High School	

(Ta) Graveyards/ Crematories -

There are 486 small and large graveyards at 14 unions of Hathazari Upazila. In addition, there are few homestead graveyards which are located beside homes, mosques and mazars. Detail of union wise graveyards are exhibited below-

Chikondandi union: Total number of homestead graveyards is 33. 4 graveyards are in ward no 1, 3 graveyards in ward no 2, 4 graveyards in ward no 3, 2 graveyards in ward no 4, 4 graveyards in ward no 5, 4 graveyards in wards no 6, 2 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Dhalai union: Total number of homestead graveyards is 43. 5 graveyards are in ward no 1, 4 graveyards in ward no 2, 4 graveyards in ward no 3, 5 graveyards in ward no 4, 6 graveyards in ward no 5, 4 graveyards in wards no 6, 7 graveyards in ward no 7, 5 graveyards in ward no 8, 5 graveyards in ward no 9.

Fathepur union: Total number of homestead graveyards is 32. 4 graveyards are in ward no 1, 3 graveyards in ward no 2, 4 graveyards in ward no 3, 2 graveyards in ward no 4, 4 graveyards in ward no 5, 4 graveyards in wards no 6, 2 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Chibatali union: Total number of homestead graveyards is 27. 3 graveyards are in ward no 1, 3 graveyards in ward no 2, 2 graveyards in ward no 3, 2 graveyards in ward no 4, 3 graveyards in ward no 5, 4 graveyards in wards no 6, 2 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Garduara union: Total number of homestead graveyards is 40. 5 graveyards are in ward no 1, 4 graveyards in ward no 2, 5 graveyards in ward no 3, 5 graveyards in ward no 4, 4 graveyards in ward no 5, 4 graveyards in wards no 6, 5 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Uttar Madarsha union: Total number of homestead graveyards is 35. 4 graveyards are in ward no 1, 3 graveyards in ward no 2, 4 graveyards in ward no 3, 2 graveyards in ward no 4, 4 graveyards in ward no 5, 4 graveyards in wards no 6, 2 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Burirchar union: Total number of homestead graveyards is 41. 5 graveyards are in ward no 1, 4 graveyards in ward no 2, 5 graveyards in ward no 3, 5 graveyards in ward no 4, 4 graveyards in ward no 5, 4 graveyards in wards no 6, 5 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Shikarpur union: Total number of homestead graveyards is 45. 5 graveyards are in ward no 1, 5 graveyards in ward no 2, 5 graveyards in ward no 3, 4 graveyards in ward no 4, 5 graveyards in ward no 5, 6 graveyards in wards no 6, 4 graveyards in ward no 7, 4 graveyards in ward no 8, 6 graveyards in ward no 9.

Dakhin Madarsha union: Total number of homestead graveyards is 27. 3 graveyards are in ward no 1, 3 graveyards in ward no 2, 2 graveyards in ward no 3, 2 graveyards in ward no 4, 3 graveyards in ward no 5, 4 graveyards in wards no 6, 2 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Mekhol union: Total number of homestead graveyards is 38. 4 graveyards are in ward no 1, 3 graveyards in ward no 2, 4 graveyards in ward no 3, 2 graveyards in ward no 4, 4 graveyards in ward no 5, 4 graveyards in wards no 6, 2 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Mirzapur union: Total number of homestead graveyards is 32. 5 graveyards are in ward no 1, 4 graveyards in ward no 2, 5 graveyards in ward no 3, 4 graveyards in ward no 4, 5 graveyards in ward no 5, 6 graveyards in wards no 6, 5 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Nangomora union: Total number of homestead graveyards is 36. 4 graveyards are in ward no 1, 3 graveyards in ward no 2, 4 graveyards in ward no 3, 2 graveyards in ward no 4, 4 graveyards in ward no 5, 4 graveyards in wards no 6, 2 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Farhadabad union: Total number of homestead graveyards is 35. 6 graveyards are in ward no 1, 5 graveyards in ward no 2, 4 graveyards in ward no 3, 5 graveyards in ward no 4, 4 graveyards in ward no 5, 4 graveyards in wards no 6, 6 graveyards in ward no 7, 4 graveyards in ward no 8, 5 graveyards in ward no 9.

Gumanmardan union: Total number of homestead graveyards is 22. 3 graveyards are in ward no 1, 3 graveyards in ward no 2, 2 graveyards in ward no 3, 5 graveyards in ward no 4, 1 graveyards in ward no 5, 2 graveyards in wards no 6, 2 graveyards in ward no 7, 2 graveyards in ward no 8, 3 graveyards in ward no 9.

(Ta) Crematories:

There are 45 crematories in 14 unions of Hathazari Upazila. In addition, there are small family crematories and crematories close to temples. Union wise detail of crematories is provided in below –

- Chikondandi union: Total number of homestead crematories are 4. Those are in ward no 1, 4, 7 & 9.
- Dhalai union: Total number of homestead crematories are 5. Those are in ward no 1, 3, 2 & 9.
- Fathepur union: Total number of homestead crematories are 3. Those are in ward no 4, 6 & 9
- Uttar Madarsha union: Total number of homestead crematories are 3. Those are in ward no 6 & 7.
- Burirchar union: Total number of homestead crematories are 2. Those are in ward no 6 & 9
- Shikarpur union: Total number of homestead crematories are 5. Those are in ward no 4, 5, 6 & 9.
- Dakhin Madarsha union: Total number of homestead crematories are 5. Those are in ward no 1, 5, 7 & 9.
- Makhol union: Total number of homestead crematories are 2. Those are in ward no 1 & 2
- Mirzapur union: Total number of homestead crematories are 3. Those are in ward no 1, 6 & 9
- Nangolmora union: Total number of homestead crematories are 4. Those are in ward no 1, 5 & 7
- Farhadabad union: Total number of homestead crematories are 3. Those are in ward no 1, 3 & 5
- Gumanmardan union: Total number of homestead crematories are 4. Those are in ward no 2, 4, 5 & 9.

(Tha) Communication & means of transport:

There are land and railway communication from Hathazari Upazila to district and vice versa. The most notable mode of transport by road is bus, truck, lorry, cargo, rickshaw van, Train etc. Buses ply in 7 unions out of total 14 unions. In addition, CNG, Van, Auto rickshaw and Vatvati in these areas.

(Da) Forest & Afforestation: There are 9508 acres forest at Hathazari Upazila in Chittagong District. Expansion of forest areas are seen in this Upazila. But now few forest sites are on the verge of extinction due to human induced causes and natural adversities. Apart from hilly forest, social forestation has been done on both sides of road and embankments. Trees that are found in those areas are Akash, Gadan, Moni, Sagun, Chambal, raintree, Korai, epil, epil, Guzan, gamari, neem, jam, mangoes, jackfruits, amda, Lime, guava, Pineapples, Bamboos, Rubber etc. Besides few trees are found in homesteads level.

1.4.3 Weather & Climate:

Ka) Raining trend- Analyzing the average rainfall at Hathazari upazila, it is found that average rainfall in this upazila is almost same. During last 1995 to 2013 the average rainfall was 3,6,7 & 8 respectively. But it needed more research to ascertain that this trend is the outcome of climatic change. Due to the change of rainfall pattern, the period of rainfall is getting delayed and as a result cropping pattern is also changing. As a result, production cost is increasing and amount of production is decreasing day by day. Diseases and attack of insects are also increasing. Erratic and untimely rain is affecting crop and cultivation and livelihoods.

Kha) Temperature: Heat wave has been found due to indiscriminate cutting of trees and hilly locations. Now the Hathazari upazila experiences highest 39.5 degree Celsius and lowest 12.5 degree Celsius. During raining monsoon the average temperature remains 22.5 degree Celsius. In most cases, the temperature remains normal but it is known from local people that the temperature is rising day by day. Especially the temperature has raised during last 10-15 years that normal life of people becoming harder. The main reason of heat wave is rise of humidity in air. Cultivation has been hampering due to increase of heat. The affect will be more significant if the present trend continues. According to Public Health Engineering (PHE) survey is conducted two times in each year and the finding is that water level comes down during the month of April and May that results decrease of safe drinking water. This will be a great barrier for future development.

Ga) Underground layer- According to information of Public Health Engineering (DPHE) a survey is conducted on each year to assess the underground layer of water. It is found that it was 275-280 feet in 2003 for deep tube wells, 40-42 feet for shallow tube wells. In 2004 it was 270-280 feet for deep tube wells, and 30-32 feet for shallow tube wells. In 2005, it was 270-280 feet for deep tube wells, 63-66 feet for shallow tube wells. In 2006, it was 375-379 feet for deep tube wells, 35-38 feet for shallow tube wells. In 2007, it was 455-458 feet for deep tube wells and 70-72 feet for shallow tube wells. In 2008, it was 445-450 feet for deep tube wells and 70-71 feet for shallow tube wells. In 2009, it was 447-450 feet for deep tube wells and 65-68 feet for shallow tube wells. In 2010, it was 472-475 feet for deep tube wells and 70-72 feet for shallow tube wells. In 2012, it was 447-450 feet for deep tube wells and 63-66 feet for shallow tube wells. Underground water level gets down more in the month of May. According to community people – water has becoming scarce day by day due to downing of water level and intrusion of saline water is destroying the water balance of upper level. Locals opinions is that safe water level are getting down and it is great barrier for sustainable development.

1.4.4 Others:

(ka) Land & use of land: Total areas of 14 unions of Hathazari Upazila are 62618 acres. Area of single crop are 17900, double crop 32218 acres, triple crops are 1000 acres. Union wise details are appended below-

Shikarpur Union- Total areas of crop land in Shikarpur union are 3912 acres. Among them single crop areas are 1892 acres, double crop areas are 2020 acres.

Dakhin Madarsha Union- Total areas of crop land in Dakhin Madarsha union are 2300 acres. Among them single crop areas are 700 acres, double crop areas are 1600 acres.

Mekhol Union- Total areas of crop land in Mekhol union are 3329 acres. Among them single crop areas are 1798 acres, double crop areas are 1531 acres.

Chikondandi Union- Total areas of crop land in Chikondandi union are 4700 acres. Among them single crop areas are 1000 acres, double crop areas are 2700 & triple crops area acres.

Dhalai Union- Total areas of crop land in Dhalai union are 3500 acres. Among them single crop areas are 1025 acres, double crop areas are 1112 acres.

Fathepur Union- Total areas of crop land in Fathepur union are 4800 acres. Among them single crop areas are 2000 acres, double crop areas are 2800 acres.

Chibatali Union- Total areas of crop land in Chibatali union are 6175 acres. Among them single crop areas are 1235 acres, double crop areas are 4940 acres.

Garduara Union- Total areas of crop land in Garduara union are 4750 acres. Among them single crop areas are 2150 acres, double crop areas are 2600 acres.

Nangolmora Union- Total areas of crop land in Nangolmora union are 4550 acres. Among them single crop areas are 1000 acres, double crop areas are 2500 acres.

Farhadabad Union- Total areas of crop land in Farhadabad union are 2520 acres. Among them single crop areas are 1170 acres, double crop areas are 1350 acres.

Gumanmardan Union- Total areas of crop land in Gumanmardan union are 2000 acres. Among them single crop areas are 400 acres, double crop areas are 1600 acres.

Burirchar Union- Total areas of crop land in Burirchar union are 3600 acres. Among them single crop areas are 1230 acres, double crop areas are 2370 acres.

Uttar Madarsha Union- Total areas of crop land in Uttar Madarsha union are 3140 acres. Among them single crop areas are 1200 acres, double crop areas are 1940 acres.

Mirzapur Union- Total areas of crop land in Mirzapur union are 2842 acres. Among them single crop areas are 1100 acres, double crop areas are 1742 acres.

Kha) Agriculture & Food: The principal economic crops are rice and fish. In addition, potatoes, pulses, sugarcanes, maize's, water melons, guava, pineapples, Bangi, papaya, jam, jackfruits are considered as economic crops in this areas. It may be mentioned here that huge vegetables are produced in hilly terrain

and plain land. Cauliflower, Cabbage, Kakrol, Barbati, Sweet gourd, bringle, Panni kumra, ladies finger, Mullah, Chili, carrot, tomatoes, Cucumber, Puishak, Lalshak and kachushak etc are abundantly produced in this Upazila. Principal foods of this Upazila are rice, fish, pulse; bread and main food habit are 1 time in the early, 1 time in the noon, and 1 time in the night. Union wise crop production are appended below-

Shikarpur Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 4500 M. Ton.

Dakhin Madarsha Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 2500 M. Ton.

Mekhol Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 3500 M. Ton.

Chikondandi Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 2200 M. Ton.

Dhalai Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 3400 M. Ton.

Fathepur Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 4100 M. Ton.

Chibatali Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 2850 M. Ton.

Garduara Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 2490 M. Ton.

Nangolmora Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 3400 M. Ton.

Gumanmardan Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 3150 M. Ton.

Burirchar Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 4100 M. Ton.

Uttar Madarsha Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 2800 M. Ton.

Mirzapur Union: Total annual production of hilly vegetables and fruits including rice, fish, potatoes, guava, pineapples, papaya, and mangoes in Dohazari union are 3750 M. Ton.

Kha) 3 Information of damages-

Union wise description of disaster induced damage are provided below-

Chibatali Union: Total crop lands are 6175 acres and among them about 2500 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Nangolmora Union: Total crop lands are 4550 acres and among them about 1800 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Gumanmardan Union: Total crop lands are 2000 acres and among them about 1270 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Garduara Union: Total crop lands are 4750 acres and among them about 2200 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Uttar Madarsha Union: Total crop lands are 4140 acres and among them about 1690 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Dakhin Madarsha Union: Total crop lands are 2300 acres and among them about 1395 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Dhalai Union: Total crop lands are 3500 acres and among them about 1340 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Mekhol Union: Total crop lands are 3329 acres and among them about 1485 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Burirchar Union: Total crop lands are 3140 acres and among them about 1595 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Shikarpur Union: Total crop lands are 3912 acres and among them about 1250 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

Farhadabad Union: Total crop lands are 2520 acres and among them about 1100 acres land are damaged by different disasters including flood, excessive rain, Tornados, River Erosion, Land Slide etc.

(Ga) Rivers: Halda river has crossed Hathazari Upazila. Its length is 35 KM. Benefit is that fish are abundant in these rivers and many people live on this including fishermen. During dry monsoon, when water becomes scarce, people cultivate their land by using river water. The fertility of land increases with the siltation of new soil or fertile soil and it increases crop production. Apart from these, people of this Upazila get benefit in many other ways.

- Burirchar Union: Halda River has crossed 4, 5, 6, 7 no wards.

- Shikarpur Union: Halda River has crossed 2, 4, 6 & 9 no wards.
- Uttar Madarsha Union: Halda River has crossed 2, 3, 5 & 8 no wards.
- Dakhin Madarsha Union: Halda River has crossed 3, 6, 8 & 9 no wards.
- Dhalai Union: Halda River has crossed 5, 6 & 9 no wards.
- Nangolmora Union: Halda River has crossed 6, 7, 8 & 9 no wards.

Gha) Ponds: Total number of big size onds at 14 unions of Hathazari upazial is 1949. Apart from this, there are small ponds owned by families. Generally fish are cultivated in these ponds, people take bath, and people wash cloths and bath animals.

In some cases, vegetables cultivation is done using ponds water. Union wise data of ponds are appended below-

- Total ponds at Shikarpur union are 155. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Dakhin Madarsha union are 200. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Mekhol union are 210. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Garduara union are 135. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Dhalai union are 207. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Fathepur union are 160. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Chibatali union are 155. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Uttar Madarsha union are 150. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.

- Total ponds at Burirchar union are 127. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Farhadabad union are 120. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Gumanmardan union are 130. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Mirzapur union are 190. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.
- Total ponds at Chikondandi union are 210. 24 ponds are at 1 no ward, 21 ponds are at 2 no ward, 25 ponds are at 3 no ward, 20 ponds are at ward no 4, 21 ponds are at ward no 5, 27 ponds are at ward no 6, 23 ponds are at ward no 7, 20 ponds are at ward no 8, 19 ponds are at ward no 9.

Uma) Khal/Cannels: There are 37 Khal in the 14 unions of Hathazari Upazila. Union wise information is provided below-

- Shikarpur Union: There are 3 Khal. One Oyasis Khal, Two Krishna Khal & Khandakia Khal are ward no 1, 2
- Dakhin Madarsha Union: There are 2 Khal. One Shah Madari Khal & Two Katakhal Khal are ward no 6 & 9
- Mekhol Union: There are 3 Khal. One Chankhali Khal, Two Mehar Khal & Oyabdar Khal are ward no 1 & 3.
- Chibatali Union: There are 10 Khal. One Gosthakhali Khal ward no 1 & 2, Two Seran Khal ward no 1 & Baoumazhi Khal are ward no 4, 5, Shikdar khal ward no 5, Mora Boalia Khal 6.
- Dhalai Union: There are 2 Khal. One Oyasis Khal, Two Krishna Khal & Khandakia Khal are ward no 1, 2 &
- Fathepur Union: There are 1 khal ward no 2, 3 & 5
- Garduara Union: There are 5 Khal are ward no 1, 2, 3, 8 & 9.

Uma).1 Canals /Chara:

There are 8 Chara in the 14 unions of Hathazari Upazila. Union wise information is provided below-

- Dhalai Union: There are 2 Chara in this union. Those are in ward no 4, 6, 8 & 9.
- Fathepur Union: There are 4 Chara in this union. Those are in ward no 1, 2, 4 & 7.
- Gumanmardan Union: There are 2 Chara in this union. Those are in ward no 1 & 7.

Ca) Beel: There are 2 Beels in the 14 unions of Hathazari Upazila. Union wise information is provided below-

- Dhalai Union: There are 2 Beel in this union ward no 4 & 6.

Cha) There is no Haor in this Upazila.

2nd Chapter: Disasters, Hazard and vulnerability

2.1 History of Disaster:

Hathazari Upazila is vulnerable upazila among all upazilas of Chittagong district. Every year this upazila faces one disaster or other. Each year huge resources are damaged and normal human lives are shattered due to different disasters like hilly flood, flood, river erosion, tornadoes, cyclone, drought and water loggings. Strong cyclone, tornado, tidal surge etc flowed during 1991 and 2007. All unions were affected by these disasters including Pourashava. 14 unions were damaged extensively. The speed of wind was 220-243 KM / hour. Many people died and it caused huge damaged on agriculture, fisheries, livestock, sanitation and infrastructures. Many government, non-government and foreign development organization came forward to help the distress people. Apart from this, they provided support on recovery, rescue, primary treatment and distribution of medicines, distribution of dry foods, rehabilitation and other support.

In 2012 cyclone 'Ila' was affected this Upazila. Though there was no death but standing crop was severely damaged by this cyclone. In addition, Kucca houses, shops, trees, livestock, infrastructures, ponds, educational institutions were damaged in this areas.

Time of disasters and affected sectors

Name of Disasters	Year	Extent of Damage	Affected sectors
Flood	Each year	Huge	Crop, Human resources, Livestock, Fishery and infrastructures
Hilly Flood	Each year	Huge	Crop, Houses, Fishery, Livestock, roads,

			human resources
Tornado	Each year	Huge	Crop, Houses, trees etc,
River erosion	Everyday	Huge	Crop, Houses, Fishery, Livestock, roads, human resources etc.
Drought	Everyday	Huge	Agriculture, Fishery, Lack od mineral driking water and Health
Water Logging	Each year	Huge	Agriculture, Fisheries, environmental pollution, Infrstructure, trees & Sampling

2.2 Indentification of hazards & Priorotization:

Sl No.	Name of disasters	Sl. No	Priorities
1	Flood	1	Flood
2	River Erosion	2	Hilly Flood
3	Tornado	3	Tornedo
4	Drought	4	River erosion
5	Hilly flood	5	Drought
6	Water Loggings	6	Water Loggings

2.3 Different hazards, it's present & future:

1. Flood: Flood has been occurring in each and every year at Hathazari Upazila. About 17625 acres crop land, fishes of 620 ponds, kacha roads of 155 KM, 9020 kacha homes, 2600 cows , 3840 goats, 40 sheep, 120 buffalo's, 3500 ducks, 3150 kacha latrines, 12400 chickens and 168 tube wells are damaged by flood in 14 unions. The extent of damage is increasing day by day due to shrinking of rivers and canals. The damage will increase in future if such trend continues unabatedly.

2. Hilly Flood: The Upazila is known as hills covered Upazila. There are hills in almost all unions. 3300 kucha houses, 4560 kucha latrines, 54 graveyards and 32 mosques, 1420 deep tube wells are affected and damage of 3560 acres crop, 15690 trees, and 55 KM kacha roads are occured by hilly flood. Moreover people die due to landslide during excessive rain. So the situation can be worse in landslide if rehabilitation of people is not done by government and non government initiatives.

3. Tornado: Every year tornado affects Hathazari Upazila. About 12050 crops, 1450 homes, 2450 acres afforestation, 160 latrines, 8 mosques, and 20% trees uproots or breaks in 14 unions of Hathazari Upazila due to tornado. The damage will increase if cultivation of disaster resilient crop varieties, trees and homes are not made or not undertaken.

4. River erosion: Halda river has crossed in Hathazari Upazila. River erosion is seen in some unions e.g. Nangolmora, Gumanmardan, Chibatali, Dakhin Madarsha, Mekhol and Burirchar unions during rainy monsoon. About 2000-2500 acres crop land, 300 homes are affected by river erosion in these unions. Risk

can be minimized through planting roots enriched trees on both sides of roads by Government and non-government initiatives.

5. Drought: Drought is seen during dry monsoon in Hahazari Upazila. Damage of about 2150 acres crop, 15 nurseries, 30% fruits trees, and 1650 acres afforestation is occurred in 14 unions of Hathazari Upazila due to drought. Besides, scarcity of water is seen in about 5400 households. During dry monsoon water level get down so low that water is not found in most of the tube wells.

6. Water Logging: Water loggings is seen during excessive rain in Hahazari Upazila. Damage of about 2140 acres crop, 15 nurseries, 20% fruits trees, and 1020 acres afforestation is occurred in 14 unions of Hathazari Upazila due to water logging.

2.4 Vulnerability and Capacity:

(Ka) Vulnerability means socio, economic and environmental condition that indicates disasters and people do not have capacity to face them.

(Kha) Capacity means natural, social and environmental induced condition or process by which people or organizations face adverse situation and reduces the havoc of disasters.

Vulnerability and Capacity are shown by points below-

Hazards	Vulnerability	Capacity
1. Flood	<ul style="list-style-type: none"> • Narrowing of rivers & Khall/ streams due to siltation • Less and weak embankments • No plantation on both sides of embankment • No construction of disaster resilient houses 	<ul style="list-style-type: none"> • Dredging to increase flow of water • Plantation on both sides of embankment • Construct embankment newly or strengthen old embankment through complete repair. • Construction of disaster resilient houses.

Hazards	Vulnerability	Capacity
2. Hilly water on rush	<ul style="list-style-type: none"> • Construction of homes at hilly slops and hill sides • Poor awareness on this disaster • Non-construction of strong houses 	<ul style="list-style-type: none"> • Construction of homes away from hills • Construct homes that can be disaster resilient • Make community people aware about the danger of hilly watter rush.
3. Tornado	<ul style="list-style-type: none"> • Non-construction of disaster resilient houses • Non cultivation of cyclone resilient crop varieties. • Excessive cutting of trees • Non- availability of trees and bushes around houses • Poor construction of Kacha latrines • Poor construction of Cattle homes • Less shelter centers in contrast to needs. 	<ul style="list-style-type: none"> • Construct disaster resilient houses. • Cultivation of disaster resilient crop varieties. • Plant more trees • Plant more trees in and around homes • Construct disaster resilient kacha latrines • Construct disaster resilient cattle houses. • Construct more Disaster/ cyclone shelter centers
4. River erosion	<ul style="list-style-type: none"> • People lost all resources by river erosion • Weak embankment • No afforestation on river side. • Broken embankment 	<ul style="list-style-type: none"> • Construct houses away from rivers • There are scopes for planting more trees around embankment that can strengthen soil. • Plant trees in both sides of roads
5. Drought	<ul style="list-style-type: none"> • Lack of sufficient trees and forest • Number of deep tube wells are less for cultivation • Crop damage occurs • No rain water harvesting system safe drinking water. • Non availability of PSF filters 	<ul style="list-style-type: none"> • Plant more trees and create forest • Increase number of tube wells • Cultivate drought resistant crops • Install rain water harvesting system
6. Water Logging	<ul style="list-style-type: none"> • Heavy rain and as a result have created water-logging 	<ul style="list-style-type: none"> • The discharge of water • canal digging and wish to

Hazards	Vulnerability	Capacity
	<ul style="list-style-type: none"> • Canal and wish filled up due heavy rain fall • As a result water-logging to create various diseases. 	take the initiative.

2.5 Most vulnerable areas:

The Hathazari upazila is a disaster prone Upazila. Some parts of this Upazila are more vulnerable. Union wise detail of most vulnerability and its reasons are provided below-

Hazards	Most vulnerable areas	Reason of Vulnerability	Vulnerable population
Flood	Nangolmora Union 2, 4, 5, 7, 8 & 9 ward No. Chhibatali union 2, 4, 5, 6, 7, 8 & 9 ward no. Gumanmardan union 2, 4, 5, 7, 8 & 9 ward No. Uttar Madarsha union 2, 4, 5, & 7 ward no. Dakhin Madarsha 4, 5, 7, 8 & 9 Ward No. Dhalai 6, 7, 8 & 9 Ward No. Farhadabad union 2, 5, 7 and 8 ward no.	<ul style="list-style-type: none"> • Flow obstruction of rivers & canals. • Less embankment and weak embankment. • No plantation on both sides of roads. 	About 22400 families

Hazards	Most vulnerable areas	Reason of Vulnerability	Vulnerable population
	Chikondandi union 4, 6, 8 ward no Mekhol union 2, 4, 6, ward no.		
Hilly onrush of water	Nangolmora union 4, 5, 7, 8 and ward No. 9. No Gumanmardan union 1, 2, 4, 7 38 ward no. Dakhinmadarsha union. Dhalai union 1, 3, 5, 7, 9 Ward No. Farhadabad union 3, 5, 6, 9 Ward No. Chikondandi union 1, 2, 5, 6 and 9 Ward No. Mekhol union 4, 6, 8 and 9 Ward No. Shikarpur Union 2, 4, 5, 6 and 8 ward no. Mirzapur union of 4, 5, 7 8 ward no.	<ul style="list-style-type: none"> • Non – construction of homes away from hills. • Build houses close to hillsides. • People not aware about hilly on rush of water. • Not building houses disaster resilient. 	About 16800 families
Tornado	<ul style="list-style-type: none"> • All wards of Nangolmora union • All wards of Gumanmardan union. • All wards of Dakhin Madarsha union. • All wards of Dhalai union. • All wards of Farhadabad union. • All wards of Chikondandi union. • All wards of Mekhol union. • All wards of Shikarpur union. • All wards of Mirzapur union. • All wards of Fathepur union • All wards of Garduara union 	<ul style="list-style-type: none"> • Non –construction of disaster resilient homes. • Non-cultivation of Disaster resilient crops. • Excessive cutting of trees. • Non-availability of trees around the homes. • Build kacha latrines weakly. • Build residence of livestock weakly. • Less number of govt & non govt. shelters. 	About 27500 families

Hazards	Most vulnerable areas	Reason of Vulnerability	Vulnerable population
River Erosion	<ul style="list-style-type: none"> • 7, 8 & 9 no wards of Nangolmora union. • 4, 7 & 7 no wards of Gumanmardan union. • 3, 5, 7 & 8 no wards of Dakhon Madarsha union. • 1, 24,5,6,7 & 9 no wards of Mekhol union. • 3, 5 & 7 no wards of Chibatali union. • 4, 6, 7 & 9 no wards of Burirchar union • 3, 5 & 8 no wards of Garduara union 	<ul style="list-style-type: none"> • No concrete block on Bank of rivers. • Weak embankment. • No afforestation on both sides of rivers. • Broken embankments. 	About 20500 families
Drought	<ul style="list-style-type: none"> • All wards of Nangolmora union • All wards of Gumanmardan union. • All wards of Dakhin Madarsha union. • All wards of Dhalai union. • All wards of Farhadabad union. • All wards of Chikondandi union. • All wards of Mekhol union. • All wards of Shikarpur union. • All wards of Mirzapur union. • All wards of Fathepur union • All wards of Garduara union 	<ul style="list-style-type: none"> • Lack of sufficient trees and forest • Number of deep tube wells are less for cultivation • Crop damage occurs • No rain water harvesting system safe drinking water. • Non availability of PSF filters 	About 30500 families
Water-logging	<ul style="list-style-type: none"> • 4, 6 & 7 no ward of Mekhol union • 4, 6, 7 and 9 no Ward of shikarpur Union • 1, 3,& 8 no ward od 	<ul style="list-style-type: none"> • Heavy rain and as a result have created water-logging • Canal and wish filled up due to execusive rain fall 	About 15000 families

Hazards	Most vulnerable areas	Reason of Vulnerability	Vulnerable population
	Nangolmora union <ul style="list-style-type: none"> • 1, 3, 5, and 6 no ward od Burirchar union. • 2, 4, 6 8 no. ward of Uttar Madarsha • 2, 4, 5 no ward od Chibatali union . 	<ul style="list-style-type: none"> • As a result water-logging to create various diseases to see 	

2.6 Major sectors of development planning:

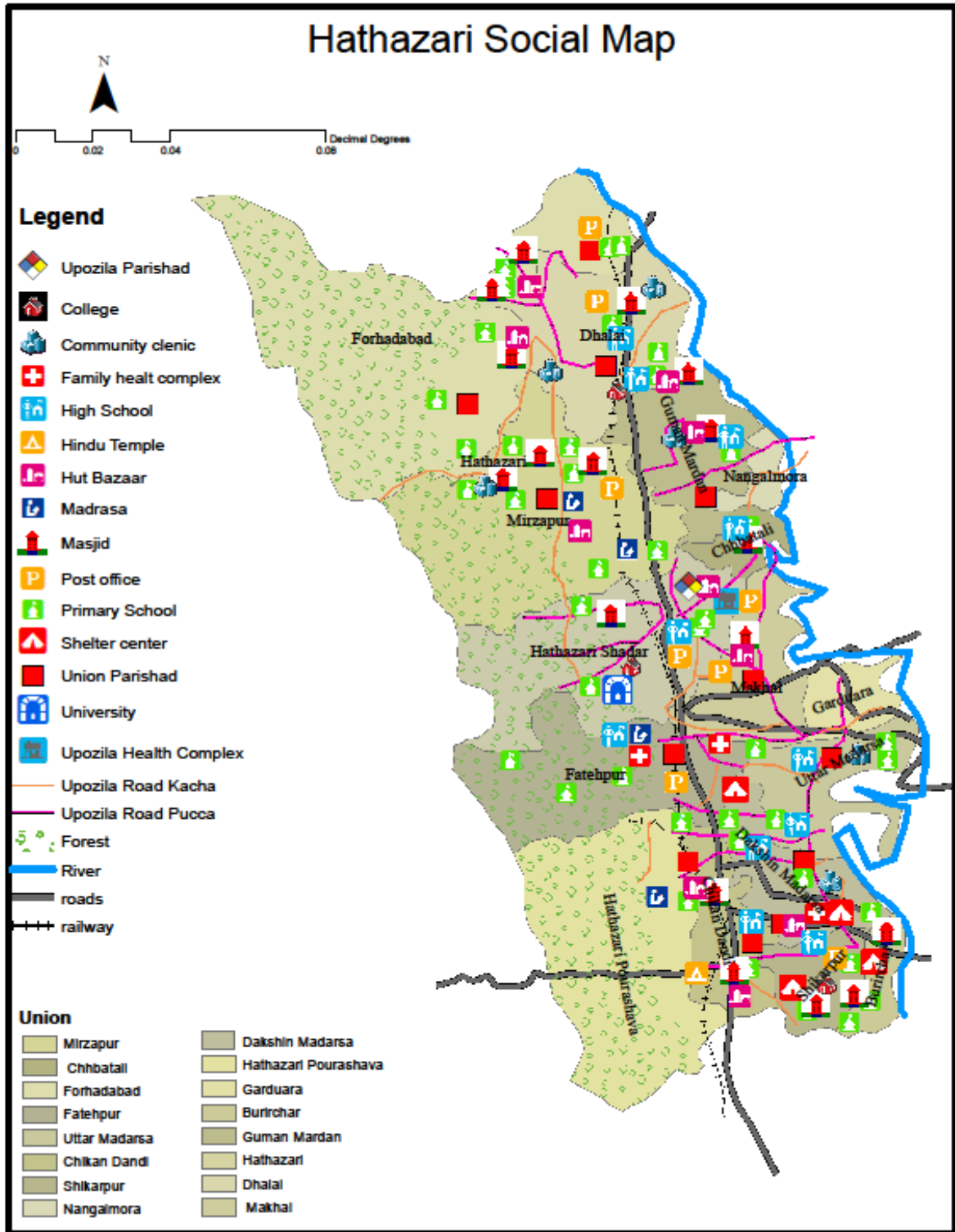
The major development sectors of Hathazari Upazila:

Main sectors	Detail description	Coordination with Disaster risk reduction
1. Agriculture	<ul style="list-style-type: none"> • Total crop land of nine unions of this Upazila is 51118 acres. Flood affects these areas every year. • Aman, boro, Aus paddy and Robi crops including guava and other vegetable cultivation of 3270 acres land out of 37526 acres can be badly affected if a hilly on rush of water happen like 2007 and 2010. • Aman, boro, Aus paddy and Robi crops including guava and other vegetable cultivation of 2950 acres land out of 51118 acres can be badly affected if flood / tidal surge happen like 1991 and 1997. • About 1925 acres crop out of total 37526 acres can be affected if a tornado attack in this Upazila. 	<ul style="list-style-type: none"> • Building embankment strong. • Improve water charge system. • Use rain water in Aman sampling production. • Use organic manure in soil. • Develop irrigation system and river excavation. • Standing rice sampling put under beneath deep into the soil.

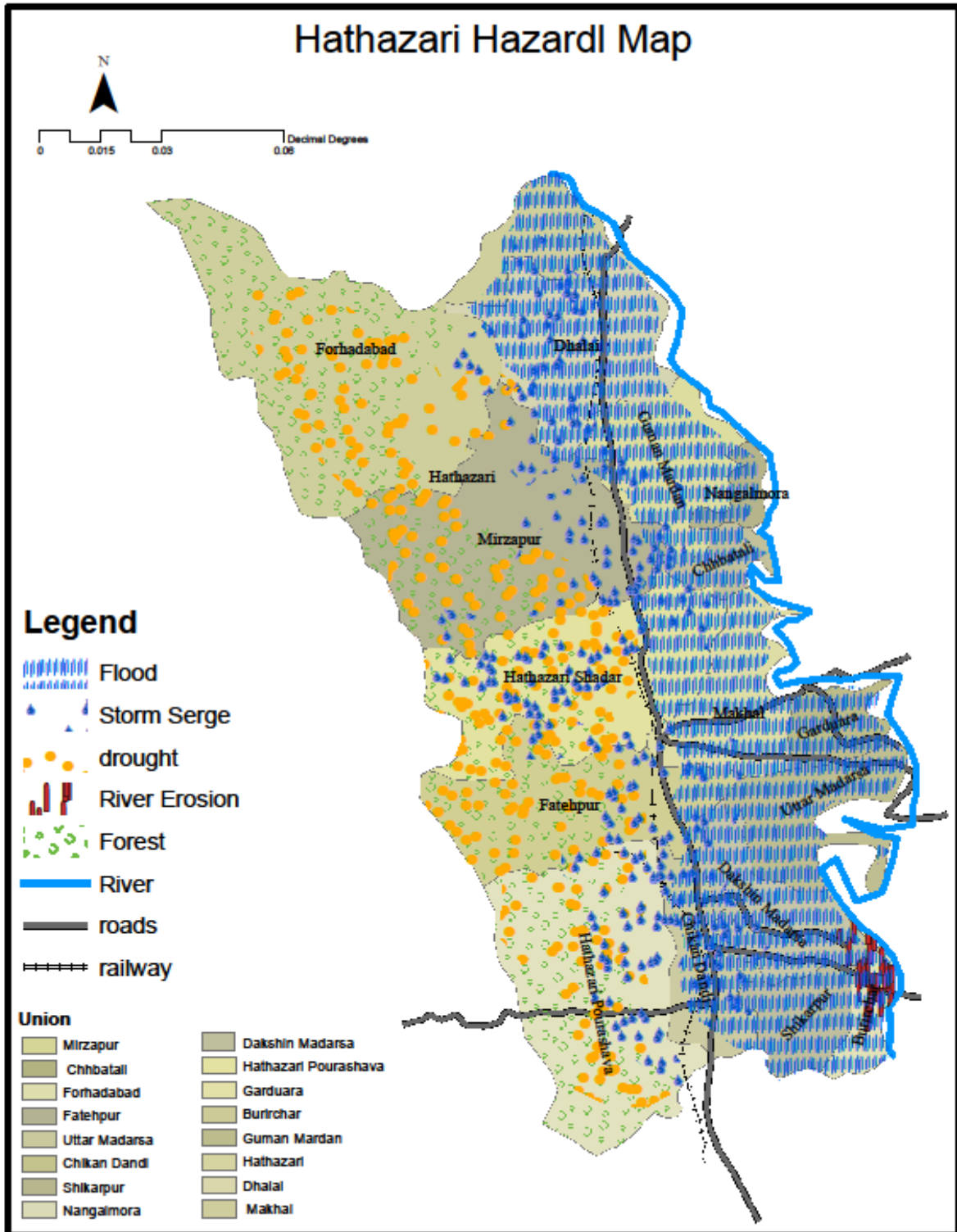
Main sectors	Detail description	Coordination with Disaster risk reduction
	<ul style="list-style-type: none"> • Crop of about 1925 acres out of 37526 acres can be badly affected if a tornado occurs. • Drought affects the Upazila every year. Crop of 9000-10000 acres out of total 51118 acres can be damaged if a drought occurs in future. 	
2. Fisheries	<ul style="list-style-type: none"> • Total ponds of this Upazila are 1430. Fishes of 190 ponds out of 1430 can be swept away if a Hilly water on rush occurs like 2007 and 2010. • Flood hits this upazila almost every year. Fishes of 320 ponds out of 1430 ponds can be swept away if a flood occurs. About 70-80 ponds can be affected due to river erosion. • Fishes of about 6300 ponds out of 1430 ponds swept away if a tornado/ tidal surge occurs. • Drought hits this upazila almost every year. Fishes of 50-65 ponds out of 1430 ponds are affected if a drought occurs in this Upazila. 	<ul style="list-style-type: none"> • Dams will be to strengthen and repair • Training for the fish farmers will be to do. • Three-fish farming. • The flood and water-logging in is surrounded by net time
3. Livestock	<ul style="list-style-type: none"> • It is most likely that 8600 cows out of 62234, 9210 goats out of 21454, 8 sheep out of 51 sheep, 44760 chicken out of 52710 chicken , 1870 ducks out of 12526 can be swept away if a Tidal surge / tornado like 1991 and 1997 occurs in Hathazari Upazila again. • Moreover, 30100 families out of 40255 families can be affected and natural beauty can be destroyed. • There is possibility that 1520 cows out of 62234 cows, 2840 goats out of 21454 goats can be affected by various diseases by Tornados. 	<ul style="list-style-type: none"> • Build earthen killas. • Develop grazing land to govt. fellow and khas land. • Motivate people to rear disaster resilient cross breed varieties of animals. • Ensure vaccination. • Build cyclone resilient habitat for livestock. • Make people aware about disease and treatment of livestock. • Establish cross breeding facilities. • Motivate people to cultivate paddy with fish.
4. Livelihoods	<ul style="list-style-type: none"> • About 4730 fisherman out of 14600 fishermen are affected in 14 unions of Hathazari Upazila due to flood. • About 4550 fisherman out of 15100 fishermen are affected in 14 unions of Hathazari Upazila due to Tornado. • About 1140 fisherman out of 15100 fishermen are directly or indirectly affected in 14 unions of Hathazari Upazila due to Drought. • About 20560 farmers out of 120365 farmers and 	<ul style="list-style-type: none"> • Organize different IGA training for sustainable livelihood option. • Motivate women for income generation. • Ensure use of local resources. • Government and non-government support should be ensured for livelihoods of

Main sectors	Detail description	Coordination with Disaster risk reduction
	<p>48146 day laborers do not get employment in 14 unions of Hathazari Upazila due to dry monsoon.</p> <ul style="list-style-type: none"> • About 17350 farmers out of 120365 farmers and 12700 day laborers out of 48146 day laborers do not get employment in Hathazari Upazila due to Tornado. • About 12600 farmers out of 120365 farmers and 10300 day laborers out of 48146 day laborers do not get employment in Hathazari Upazila due to flood. • 4200 businessmen out of 24073 businessmen are directly or indirectly affected if a tornado hits this Upazila. 	<p>vulnerable population.</p> <ul style="list-style-type: none"> • Organize training for small traders through Samities/ Groups. • Ensure social security.
5. Trees	<ul style="list-style-type: none"> • It is likely that sampling of 660 nurseries affected by Hill water on-rush. • About 8500 families swept away due to flood. • About 52880 trees of 17500 families out of total 40255 families can be affected if a cyclone like 1991 and 1997 hit this Upazila. 	<ul style="list-style-type: none"> • Motivate people to plant sampling around homes. • Increase awareness about environment. • Take legal action and enforce law to control illegal tree cutting. • Increase area based social afforestation. • Plant trees on Khas land and fellow land. • Motivate local people to plant more trees.
6. Homes & Infrastructure	<ul style="list-style-type: none"> • About 170 KM Kacha road 86 KM HBB, Kacha homes of 4890 families, 10 educational institution 15 mosques, 8 temples can be badly affected if a hilly water on rush occurs. • About 32 KM kacha road out of 439.50 KM, 29 Km HBB out of 159, inundation of 10400 homes out of 40255 families, 27 educational institution out of 103, 9 hatbazar out of 23, 4 health centers out of 35 health centers can be directly or indirectly affected. • About 1000-1200 Kacha homes out of total 40255 families can be affected if wild elephant attack like 2012- 2014 occurs. 	<ul style="list-style-type: none"> • Increase height of roads and make pucca. • Construct necessary culverts & bridges. • Build adequate cyclone centers. • Plant sampling around infrastructures and roads and canals. • Build new shelters. • Build new structures cyclone resilient. • Build new homes cyclone resilient. • Motivate people to plant more trees around homes.

2.7 social Map:



2 8 2.8 Hazard Map:



2.9 Hazard calendar:

Hazard Calendar of Upazila

Sl No.	Hazards	Name of Months											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	Flood												
2	Land slide												
3	Tornado												
4	River Erosion												
5	Drought												
6	Water-logging												

Calendar Analysis:

Hathazari upazila is a disaster prone area. It is known from interaction with community people that hazards like hilly water on rush, flood, river erosion, tornado, drought, cold wave and attack of elephants are occurred in almost 9 unions of this Upazila. Occurrence time of hazards has been shown in above charts. Detail is being analysis below-

- **Flood:** It is known that some unions are close to rivers and canals and flood occurs every year due to climatic change. Flood occurs from Asar to Asin month.
- **On rush of hilly water:** During interaction with local people it is known that hills are abundances in most parts of the Upazila. On rush of hilly water occurs every year during rainy monsoon in these areas and it damages local resources. On rush of hilly water is the most devastating hazards than other hazards. Usually this on rush occurs during Azar to Asin month.
- **River Erosion:** It is known that river erosion is a major hazard in this Upazila. Every year homes and crop land are devoured by this erosion. This is happened from Asar to Ashin month.
- **Tornado:** It is known from interacting with local people that Tornado is another hazard that occurs almost every year. It took huge toll to lives and other resources. Usually this is happen from Baishak to Justa month.
- **Drought:** It is known that Drought is another hazard that badly damage crop lands and crops and create scarcity of safe drinking water.

2.10 Monsoon calendar of livelihoods:

Hazard Calendar of Upazila

Sl. No.	Livelihoods	Name of months											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	Farmers												
2	Fishermen												
3	Business												
4	Vatbati/ Van driver												
5	Day labarer												

2:11 Life & Livelihood related vulnerability:

Main livelihoods and what problems it creates is shown in below table

Sl No.	Livelihoods	Misfortune befalls ballots/disaster management					
		Flood	Land Slide	Baishakhi storm	River Erosion	Drought	Water-logging
1	Agriculture						
2	animals resources						
3	Business						
4	Fish						
5	Workers day						
6	Tattati also ply, van driver						

2.12 Sector wise description of hazards and of risks:

(Ka) What kind of sectors are fell victims by hazards in Hathazari upazila is details below-

Hazards induced Risk identification and listing has been done after identifying union wise hazards, vulnerable sectors and areas. Risk prioritization has been done through votes of 24 representatives (3 groups consisting of 8 people of Farmer, fisherman and businessman professionals). Priorities risks and its causes of three groups have been combined, made analysis and risk reduction approaches have been identified. List of Priorities risks are exhibited below-

Identification of Vulnerable sectors.

Hazards	Vulnerable social Components/elements					
	Crops	Fisheries	Homes	Roads	Sanitation	Health
Flood						
Land Slide						
Baishakhi storm						
River Erosion						
Drought						
Water-logging						

Description of hazards and of risks:

Sector	Hazards	Description
Agriculture	Flood	<p>Aus, Aman, Boro and Robi including Guava and vegetable cultivation of 360 acres land can badly be affected in Nangolmora union if a flood like 1988, 1991 and 1997 hit this Upazila. As a result, 1120 families can be affected. Aus, Aman, Boro and Robi including Guava and vegetable cultivation of 295 acres land can badly be affected in Gumanmardan union. As a result, 570 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 315 acres land can badly be affected in Garduara union. As a result, 710 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 205 acres land can badly be affected in Uttar Madarsha union. As a result, 1200 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 175 acres land can badly be affected in Dakhin Madarsha union. As a result, 1045 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 175 acres land can badly be affected in Dhalai union. As a result, 595 families can be affected.</p> <p>Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 195 acres land can badly be affected in Mekhol union. As a result, 570 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 295 acres land can badly be affected in Burirchar union. As a result, 1740 families can be</p>

Sector	Hazards	Description
		affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 240 acres land can badly be affected in Shirkarpur union. As a result, 1025 families can be affected. About 2950 acres crop land will partly or entirely be damaged if effective measures to contain flood is not undertaken.
Fisheries	Flood	About 460 fisherman of 4505 families can be affected in Chibatali union by flood if flood like 1988, 1991 and 1987 occurs. Similarly about 220 fishermen of 2130 families can be affected in Garduara union by flood if flood hits in this union. Similarly about 1050 fishermen of 8500 families can be affected in Shikarpur union by flood if flood hits in this union. Similarly about 435 fishermen of 3571 families can be affected in Dakhin Madarsha union by flood if flood hits in this union. Similarly about 1010 fishermen out of 3073 fishermen of 4704 families can be affected in Uttar Madarsha union by flood if flood hits in this union. Similarly about 482 fishermen out of 1008 fishermen of 2160 families can be affected in Burirchar union by flood if flood hits in this union. Similarly about 610 fishermen out of 1320 fishermen of 2817 families can be affected in Nangolmora union by flood if flood hits in this union. Similarly about 702 fishermen out of 1210 fishermen of 7000 families can be affected in Gumanmaedan union by flood if flood hits in this union. Similarly about 255 fishermen out of 966 fishermen of 4868 families can be affected in satbaria union by flood if flood hits in this union.
Health	Flood	Many people of Shikarpur, Uttar Madarsha, Dakhin Madarsha, Dhalai, Mekhol, Chibatali, Garduara, Nangolmora and Burirchar unions can be affected by water born diseases if a flood like 1988.1991 and 1997 occurs in this Hathazari Upazila. 10 health centers can be directly or indirectly affected by flood.
Roads	Flood	About 90 KM Kacha roads and 65 KM HBB (4 KM Kacha and 5 KM HBB of Shikarpur union, 4 KM Kacha and 5 Km HBB of Garduara union, 6 KM Kacha and 5 KM HBB of Nangolmora union, 6 KM Kacha and 3 Km HBB of Uttar Madarsha union, 5 KM Kacha and 4 Km HBB of Dhalai union, 5 KM Kacha nad 5 KM HBB of Chabatali union, 4 KM Kacha and 5 KM HBB of Gumanmardan union, 5 KM Kacha and 4 KM HBB of Mekhol union) can be directly or indirectly affected by if a flood like 1988,1991, 1997 occurs.
Homes	Flood	About 4220 kacha homes of 11255 families can be directly or indirectly affected if a flood like 1988, 1991, and 1997 occurs in 9 unions of Shikarpur Upazila. About 1010 fruits, forest and herbal trees and 10 nurseries likely to be damaged in Gumanmardan union if a flood like 1988, 1991 and 1987 occurs. About 4420 fruits, forest and herbal trees and 5 nurseries likely to be damaged in Dhalai union if a flood hits. About 11100 fruits, forest and herbal trees and 6 nurseries likely to be damaged in Chibatali union if a flood hits. About 4200 fruits, forest and herbal trees and 4 nurseries likely to be damaged in Burirchar union if a

Sector	Hazards	Description
		<p>flood hits. About 10030 fruits, forest and herbal trees and 8 nurseries likely to be damaged in Uttar Madarsha union if a flood hits.</p> <p>About 5300 fruits, forest and herbal trees and 7 nurseries likely to be damaged in Dakhin Madarsha union if a flood hits. About 7320 fruits, forest and herbal trees and 12 nurseries likely to be damaged in Mekhol union if a flood hits. About 15400 fruits, forest and herbal trees and 16 nurseries likely to be damaged in Garduara union if a flood hits.</p> <p>It is most likely that fruit, forest and herbal tress can be badly damaged if no effective preventive action is taken.</p>
Sanitation	Flood	Total number of sanitary latrines in nine unons of Hathazari upazial is 76830. Among them 47811 are Pucca 29020 are Kacha. 29020 latrines can be affected if a flood occurs.
Agriculture	Land Slide	<p>Aus, Aman, Boro and Robi including Guava and vegetable cultivation of 360 acres land can badly be affected in Nangolmora union if a flood like 1988, 1991 and 1997 hit this Upazila. As a result, 1120 families can be affected. Aus, Aman, Boro and Robi including Guava and vegetable cultivation of 295 acres land can badly be affected in Gumanmardan union. As a result, 570 families can be affected. Aus, Aman, Boro and Robi crops including Gava and vegetable cultivation of 315 acres land can badly be affected in Garduara union. As a result, 710 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 175 acres land can badly be affected in Dakhin Madarsha union. As a result, 1045 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 295 acres land can badly be affected in Burirchar union. As a result, 1740 families can be affected. As a result, 1025 families can be affected. About 2950 acres crop land will partly or entirely be damaged if effective measures to contain flood is not undertaken.</p>
Homes	Land Slide	About 4890 homes out of 76818 homes of Farhadabad, Mirzapur, Mekhol, Chikondandi, Dakhin Madarsha, Fathepur unions can be directly or indirectly affected by hill water onrush during rainy monsoon.
Livestock	Hill water onrush	About 1234 cows, 15454 goats, 520 buffalos, 13526 ducks, 105325 chickens can be affected. Among them 115 cows, 350 goats, 110 buffalo's, 2875 ducks, 3350 chickens, 215 cows, 310 goats, 40 buffalo's, 2740 ducks, 3260 chicken of Joara union, 180 cows, 215 goats, 21 buffalo's, 1654 ducks, 2760 chicken of can be swept away by inundation of their homes. So safe places will be needed.
Agriculture	Tornados	<p>Aus, Aman, Boro and Robi including Guava and vegetable cultivation of 360 acres land can badly be affected in Nangolmora union if a flood like 1988, 1991 and 1997 hit this Upazila. As a result, 1120 families can be affected. Aus, Aman, Boro and Robi including Guava and vegetable cultivation of 295 acres land can badly be affected in Gumanmardan union. As a result, 570 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 315 acres land</p>

Sector	Hazards	Description
		<p>can badly be affected in Garduara union. As a result, 710 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 205 acres land can badly be affected in Uttar Madarsha union. As a result, 1200 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 175 acres land can badly be affected in Dakhin Madarsha union. As a result, 1045 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 175 acres land can badly be affected in Dhalai union. As a result, 595 families can be affected.</p> <p>Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 195 acres land can badly be affected in Mekhol union. As a result, 570 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 295 acres land can badly be affected in Burirchar union. As a result, 1740 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 240 acres land can badly be affected in Shirkarpur union. As a result, 1025 families can be affected. About 2950 acres crop land will partly or entirely be damaged if effective measures to contain flood is not undertaken.</p>
Homes	Flood	<p>About 4220 kacha homes of 11255 families can be directly or indirectly affected if a flood like 1988, 1991, and 1997 occurs in 9 unions of Shikarpur Upazila. About 1010 fruits, forest and herbal trees and 10 nurseries likely to be damaged in Gumanmardan union if a flood like 1988, 1991 and 1987 occurs. About 4420 fruits, forest and herbal trees and 5 nurseries likely to be damaged in Dhalai union if a flood hits.</p> <p>About 11100 fruits, forest and herbal trees and 6 nurseries likely to be damaged in Chibatali union if a flood hits. About 4200 fruits, forest and herbal trees and 4 nurseries likely to be damaged in Burirchar union if a flood hits. About 10030 fruits, forest and herbal trees and 8 nurseries likely to be damaged in Uttar Madarsha union if a flood hits. About 5300 fruits, forest and herbal trees and 7 nurseries likely to be damaged in Dakhin Madarsha union if a flood hits. About 7320 fruits, forest and herbal trees and 12 nurseries likely to be damaged in Mekhol union if a flood hits. About 15400 fruits, forest and herbal trees and 16 nurseries likely to be damaged in Garduara union if a flood hits. It is most likely that fruit, forest and herbal trees can be badly damaged if no effective preventive action is taken.</p>
		<p>River erosion is seen in some unions e.g. Nangolmora, Garduara, Chibatali, Burirchar, Shikarpur of Hathazari upazila during rainy monsoon. About 190 acres crop land of Nangolmora union can be affected and 10 acres land can be devoured if river erosion occurs.</p> <p>About 130 acres crop land of Garduara union can be affected and 15 acres land can be devoured if river erosion occurs. About 150 acres crop land of Chibatali union can be affected and 10 acres land can be devoured if river erosion occurs. About 130 acres crop land of Burirchar</p>

Sector	Hazards	Description
Agriculture	River erosion	union can be affected and 10 acres land can be devoured if river erosion occurs. About 125 acres crop land of Shikarpur union can be affected and 10 acres land can be devoured if river erosion occurs. The extent of loss can be increased if effective measures to contain the erosion are not undertaken.
Fishery	River erosion	River erosion is caused in almost every year in Hathazari Upazila. Extensive damage is caused due to river erosion. About 160 fishermen of 8500 families of Nangolmora, Garduara, Chibatali, Gumanmardan & Burirchar union can be affected by river erosion.
Homes	River Erosion	River erosion is occurred in almost every rainy season Extensive damage is caused due to river erosion. About 370 families of Nangolmora, Garduara, Chibatali, Gumanmardan & Burirchar union can be affected by river erosion
Agriculture	Tornados	Aus, Aman, Boro and Robi including Guava and vegetable cultivation of 360 acres land can badly be affected in Nangolmora union if a flood like 1988, 1991 and 1997 hit this Upazila. As a result, 1120 families can be affected. Aus, Aman, Boro and Robi including Guava and vegetable cultivation of 295 acres land can badly be affected in Gumanmardan union. As a result, 570 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 315 acres land can badly be affected in Garduara union. As a result, 710 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 205 acres land can badly be affected in Uttar Madarsha union. As a result, 1200 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 175 acres land can badly be affected in Dakhin Madarsha union. As a result, 1045 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 175 acres land can badly be affected in Dhalai union. As a result, 595 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 195 acres land can badly be affected in Mekhol union. As a result, 570 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 295 acres land can badly be affected in Burirchar union. As a result, 1740 families can be affected. Aus, Aman, Boro and Robi crops including Guava and vegetable cultivation of 240 acres land can badly be affected in Shirkarpur union. As a result, 1025 families can be affected. About 2950 acres crop land will partly or entirely be damaged if effective measures to contain flood is not undertaken.
Agriculture	Water	About 4220 kacha homes of 11255 families can be directly or indirectly affected if a flood like 1988, 1991, and 1997 occurs in 9 unions of Shikarpur Upazila. About 1010 fruits, forest and herbal trees and 10 nurseries likely to be damaged in Gumanmardan union if a flood like 1988, 1991 and 1987 occurs. About 4420 fruits, forest and herbal trees and 5 nurseries likely to be damaged in Dhalai union if a flood hits.

Sector	Hazards	Description
	Logging	About 11100 fruits, forest and herbal trees and 6 nurseries likely to be damaged in Chibatali union if a flood hits. About 4200 fruits, forest and herbal trees and 4 nurseries likely to be damaged in Burirchar union if a flood hits. About 10030 fruits, forest and herbal trees and 8 nurseries likely to be damaged in Uttar Madarsha union if a flood hits. About 5300 fruits, forest and herbal trees and 7 nurseries likely to be damaged in Dakhin Madarsha union if a flood hits. About 7320 fruits, forest and herbal trees and 12 nurseries likely to be damaged in Mekhol union if a flood hits. About 15400 fruits, forest and herbal trees and 16 nurseries likely to be damaged in Garduara union if a flood hits. It is most likely that fruit, forest and herbal tress can be badly damaged if no effective preventive action is taken.

2.13 Climatic Change & its potential impact:

Sectors	Hazards	Descriptions
Agriculture	Flood	The Upazila is affected by flood each year. Flood damages almost all unions of this Upazila. Extent of damage is increasing day by day in this Upazila. About 3950 acres crop land can be directly or indirectly affected by flood.
Agriculture	On rush of hilly water	The Upazila is known as 'Hilly Upazila'. There are hills in almost all unions. Homes are destroyed in every year due to hill water onrush. 3170 acres crop are damaged each year due to water onrush.
Agriculture	Tornado	Tornado hits this Upazila every year. This Upazila is affected by tornadoes every year as it is close to sea and due to affect of climatic change.
Agriculture	River erosion	There are Halda river in this Upazila. River erosion is seen in some union like Nangolmora, Chibatali, Gumanmardan, Garduara and Burirchar. About 200-300 acres crop are damaged each year due to river erosion.
Agriculture	Drought	Drought is found during dry monsoon in this Upazila. Almost all unions are affected by drought. About 2100 acres crop are damaged directly or indirectly due to drought.
Fisheries	Flood	Total number of ponds in Hathazari Upazila is 1430. It is most likely that fishes of 410 ponds out 1430 ponds can be swept away if a flood like 1430, 1991 and 1989 occurs. As a result, 4780 fishermen of 4200 families can be affected.
Fisheries	Hilly water onrush	Total number of ponds in Hathazari Upazila is 1430. It is most likely that fishes of 145 ponds out of 1430 ponds can be swept away if a flood occurs in this Upazila. As a result, 7540 fishermen of 3500 families can be affected.
Fisheries	River erosion	River erosion occurs in every year during rainy monsoon. Fisheries sector suffers extensively due to river erosion. River erosion is seen in Nangolmora, Gumanmardan, Chibatali, Garduara and Burirchar

Sectors	Hazards	Descriptions
		union if river erosion occurs. About 120 ponds are devoured by river erosion.
Homes	Flood	About 4220 kacha homes of 40255 families of 14 unions can be directly or indirectly affected by floods like 1988, 1991, 1997 occurs in this Upazila.
Homes	Onrush of Hilly water	About 2890 homes of Hathazari upazila 5 unions can be directly or indirectly affected by Onrush of hilly water.
Homes	Tornado	There are a total 8650 homes in Hathazari Upazila. Among them 3432 Pucca, 10774 Semi Pucca and 24066 Kacha. Almost majority homes are Kacha. About 3540 semi Pucca and 8970 Kacha homes of nine unions can be affected if a tornado like 1991 occurs in Hathazari Upazila.
Homes	River erosion	River erosion occurs in every year in this Upazila. About 1020 homes of Nangolmora, Gumanmardan, Garduara, Chibatali and Burirchar union can be devoured if a river erosion is occurs.
Infrastructure	Flood	About 66 KM Kacha road, 27 KM Semi-pucca road, 3725 kacha homes, 48 bridge, 270 culverts, 10 health centers, 36 educational institutions, 90 graveyards can be extensively affected by flood like 1988,1991, 1997 occurs.
Sanitation	Onrush of Hilly water	About 875 Tube wells, 2884 Kacha latrines are swept away if onrush of hilly water occurs. As a result 4700 families can be affected.
Sanitation	Flood	About 690 tube wells and 2754 Kacha latrines are swept away if a flood like 1988, 1991 and 1997 occurs and as a result 7900 families can be affected.

3rd Chapter: Disaster Risk reduction

3.1 Identification of causes of Risks:

Detail of Risk	Causes		
	Immediate		Immediate
<p>Sector: Agriculture Hazard: Flood The Upazila is affected by flood each year. Flood damage almost all unions of this Upazila. Extent of damage is increasing day by day in this Upazila. About 3950 acres crop land can be directly or indirectly affected by flood.</p>	<ul style="list-style-type: none"> ➤ Not to make quick disposal of water ➤ Not to make available the massage of flood in time. ➤ Due to intrusion of saline water to crop land directly. 	<ul style="list-style-type: none"> ➤ Intrusion of saline water due to Joar and Bhatta. ➤ No regulatory system for control of saline water intrusion. ➤ Non availability of required number of Sluice gates in conjunction of rivers and canals. 	<ul style="list-style-type: none"> ➤ Lack of appropriate actions of WDB. ➤ Donors support is less in contrast to need. ➤ Unawareness of people.
<p>Sector: Fisheries Hazard: Flood Total number of ponds in Hathazari Upazila is 1430. It is most likely that fishes of 410 ponds out 1430 ponds can be swept away if a flood like 1430, 1991 and 1989 occurs. As a result, 4780 fishermen of 4200 families can be affected.</p>	<ul style="list-style-type: none"> ➤ Pond location is in low-lying areas. ➤ Bank of ponds are low. 	<ul style="list-style-type: none"> ➤ Ponds are not built on high land. ➤ Lack of awareness of Fisherman. ➤ No provision of netting around ponds. 	<ul style="list-style-type: none"> ➤ Banks of ponds are not high. ➤ Not to provide training to Fisherman by Govt. and non Government.
<p>Sector: Infrastructure. Hazard: Flood About 4220 kacha homes of 40255 families of 14 unions can be directly or indirectly affected by floods like 1988, 1991, 1997</p>	<ul style="list-style-type: none"> ➤ Unplanned building of educational institution. ➤ Rural homes are made of Bamboos so beaks easily. ➤ Not to build roads 	<ul style="list-style-type: none"> ➤ Due to low-lying locations of educational and religious Institutions. 	<ul style="list-style-type: none"> ➤ Due to lack of formulating risk reducing infrastructure Policies. ➤ Building materials

occurs in this Upazila.	strongly. ➤ Not to build culverts strongly.		are not cyclone resilient.
Sector: Sanitation Hazard: Flood About 690 tube wells and 2754 Kacha latrines are swept away if a flood like 1988, 1991 and 1997 occurs and as a result 7900 families can be affected.	➤ Tube wells and latrines are in low lying areas. ➤ Non execution of repair works.	➤ Not to make base of tube wells Pucca. ➤ Non-presence of water disposal system.	➤ Not making latrines Pucca. ➤ Not installing of tube Well by Government.
Sector: Health Hazard: Flood Flood occurs every year due to siltation and narrowing of rivers and canals. About 3150 tube wells becomes unusable , scarcity of safe water is seen, and spread of water born diseases occurs if a flood occurs like 1988, 1991 and 1997. As a result about 8700 family members get affected by many diseases. Apart from this, 13 health centers out of total 35 centers are directly or indirectly affected by flood.	➤ People are not aware about health. ➤ Locations of tube wells are in low-lying spots.	➤ Placing garbage to everywhere. ➤ Lack of awareness about diseases. ➤ Lack of awareness about post disaster responsibilities.	➤ Increase standard of health services. ➤ Non availability of health centers and doctors.
Sector: Agriculture Hazard: Onrush of hilly water The Upazila is known as ‘Hilly Upazila’. There are hills in almost all unions. Homes are destroyed in every year due to hill water onrush. 3170 acres crop are damaged each year due to water onrush.	➤ Not to make quick disposal of water ➤ Not to make available the massage of flood in time. ➤ Due to intrusion of saline water to crop land directly.	➤ Intrusion of saline water due to Joar and Bhatta. ➤ No regulatory system for control of saline water intrusion. ➤ Non availability of required number of Sluice gates in conjunction of rivers and canals.	➤ Lack of appropriate actions of WDB. ➤ Donors support is less in contrast to need. ➤ Unawareness of people.
Sector: Fisheries	➤ Low height of ponds	➤ Less awareness of	➤ Non locating of ponds

<p>Hazard: Onrush of hilly water Total number of ponds in Hathazari Upazila is 1430. It is most likely that fishes of 145 ponds out of 1430 ponds can be swept away if a flood occurs in this Upazila. As a result, 7540 fishermen of 3500 families can be affected.</p>	<p>embankment. ➤ Less awareness of people.</p>	<p>people. ➤ Non provision of netting above ponds.</p>	<p>away from hills. ➤ Low depth of ponds.</p>
<p>Sector: Agriculture Hazard: Tornado Tornado hits this Upazila every year. This Upazila is affected by tornadoes every year as it is close to sea and due to affect of climatic change.</p>	<p>➤ Affect of depression to coastal areas. ➤ Increase of temperature in atmosphere. ➤ Affect of green houses. ➤ Climatic Change.</p>	<p>➤ Absence of sufficient trees. ➤ Having no plan for social afforestation. ➤ Due to black fumes of mills and transports. ➤ Not getting advance forecasting of tornadoes.</p>	<p>➤ Poor attention of Agricultural department. ➤ Absence of Agricultural research centers. ➤ Lack of adequate training of farmers. ➤ Lack of effective government policies about Hazard and risks.</p>
<p>Sector: Homes Hazard: Tornado There are a total 8650 homes in Hathazari Upazila. Among them 3432 Pucca, 10774 Semi Pucca and 24066 Kacha. Almost majority homes are Kacha. About 3540 semi Pucca and 8970 Kacha homes of nine unions can be affected if a tornado like 1991 occurs in Hathazari Upazila.</p>	<p>➤ Not to construct tornado resilient homes. ➤ Make base of homes strong.</p>	<p>➤ Not to circulate weather forecasting properly. ➤ Lack of awareness of people.</p>	<p>➤ Destroying of natural balance. ➤ Climatic Change.</p>
<p>Sector: Agriculture Hazard: River Erosion There are Halda river in this Upazila. River erosion is seen in some union like Nangolmora, Chibatali, Gumanmardan, Garduara and Burirchar. About 200-300 acres crop are damaged due to river erosion.</p>	<p>➤ Weak embankment. ➤ Increase of water pressure in rivers. ➤ Non existence of trees on sides of embankments.</p>	<p>➤ Losing / decreasing navigability. ➤ Decrease of depth by siltation.</p>	<p>➤ Lack of cooperation of WDB. ➤ Not to take any initiatives to prevent river erosion.</p>
<p>Sector: Fisheries</p>	<p>➤ Due to presence of ponds</p>	<p>➤ Not to make</p>	<p>➤ Lack of proper</p>

<p>Hazard: River Erosion River erosion occurs in every year during rainy monsoon. Fisheries sector suffers extensively due to river erosion. River erosion is seen in Nangolmora, Gumanmardan, Chibatali, Garduara and Burirchar union if river erosion occurs. About 120 ponds are devoured by river erosion.</p>	<p>close to rivers.</p>	<p>Embankment strong. ➤ Not aware of fisherman in this respect.</p>	<p>attention of Fishery Departments. ➤ Not taking any government initiatives to prevent river erosion.</p>
<p>Sector: Homes Hazard: River Erosion River erosion occurs in every year in this Upazila. About 1020 homes of Nangolmora, Gumanmardan, Garduara, Chibatali and Burirchar union can be devoured if a river erosion is occurs.</p>	<ul style="list-style-type: none"> ➤ Non existence of Embankments. ➤ Due to increase of water pressure in rivers during rainy monsoon. 	<ul style="list-style-type: none"> ➤ Losing / decreasing navigability. ➤ Decrease of depth of rivers by siltation. 	<ul style="list-style-type: none"> ➤ Not taking any government initiatives to prevent river erosion. ➤ Lack of good attention of WDB.
<p>Sector: Agriculture Hazard: Drought Drought is found during dry monsoon in this Upazila. Almost all unions are affected by drought. About 2100 acres crop are damaged directly or indirectly due to drought.</p>	<ul style="list-style-type: none"> ➤ Due to climatic Change ➤ Not timely raining. ➤ Absence of sufficient large trees. 	<ul style="list-style-type: none"> ➤ Absence of provision of retaining water in rivers and canals. 	<ul style="list-style-type: none"> ➤ Lack of appropriate attention of DAE. ➤ Not inventing drought resistance crops.

3.2 Identification of means to reduce risks

Hazards & Risks	Possible means to reduce risks		
	Short-term	Midterm	Long-term
<p>Sector: Agriculture Hazard: Flood The Upazila is affected by flood each year. Flood damage almost all unions of this Upazila. Extent of damage is increasing day by day in this Upazila. About 3950 acres crop land can be directly or indirectly affected by flood.</p>	<ul style="list-style-type: none"> → Make easy and speedy disposal of water. → Reach warning message in time. → Not to allow entering saline water directly to crop land. 	<ul style="list-style-type: none"> → Not to allow entering saline water directly to crop land. → Control intrusion of saline water. → Install sluice gate at the junction of rivers and canals. 	<ul style="list-style-type: none"> → Take appropriate steps by WDB. → Increase donors cooperation & support as per need. → Make people aware.
<p>Sector: Fisheries Hazard: Flood Total number of ponds in Hathazari Upazila is 1430. It is most likely that fishes of 410 ponds out 1430 ponds can be swept away if a flood like 1430, 1991 and 1989 occurs. As a result, 4780 fishermen of 4200 families can be affected.</p>	<ul style="list-style-type: none"> → Ponds are located at low-lying areas. → Elevate banks of ponds. 	<ul style="list-style-type: none"> → Establish ponds to high land. → Make farmers aware. → Netting above banks. 	<ul style="list-style-type: none"> → Elevate banks. → Train fisherman by GO/NGOs.
<p>Sector: Infrastructure. Hazard: Flood About 4220 kacha homes of 40255 families of 14 unions can be directly or indirectly affected by floods like 1988, 1991, 1997 occurs in this Upazila.</p>	<ul style="list-style-type: none"> → Build institutions by planned way. → Rural homes must be made in such a way that it is not destroyed easily. → Roads must be made strongly. → Culverts must be made strongly. 	<ul style="list-style-type: none"> → Educational and religious institutions should not keep Kacha and made in low lying spots. 	<ul style="list-style-type: none"> → Make policies for risk and hazard free Infrastructure. Building materials should be disaster resilient.
<p>Sector: Sanitation Hazard: Flood</p>	<ul style="list-style-type: none"> → Not to establish Tube wells and latrines in low lying 	<ul style="list-style-type: none"> → Pave the base of tube wells. 	<ul style="list-style-type: none"> → Make latrines paved.

Hazards & Risks	Possible means to reduce risks		
	Short-term	Midterm	Long-term
About 690 tube wells and 2754 Kacha latrines are swept away if a flood like 1988, 1991 and 1997 occurs and as a result 7900 families can be affected.	<p>areas.</p> <p>→ Repair latrines</p>	<p>→ Provision of discharging of water.</p>	<p>→ Establish tube wells by government initiatives.</p>
<p>Sector: Health Hazard: Flood</p> <p>Flood occurs every year due to siltation and narrowing of rivers and canals. About 3150 tube wells becomes unusable, scarcity of safe water is seen, and spread of water born diseases occurs if a flood occurs like 1988, 1991 and 1997. As a result about 8700 family members get affected by many diseases. Apart from this, 13 health centers out of total 35 centers are directly or indirectly affected by flood.</p>	<p>→ Make people aware about health.</p> <p>→ Not to install tube wells at low-lying spots.</p>	<p>→ Not to dispose garbage here and there.</p> <p>→ Keep people aware about diseases.</p> <p>→ Know about post flood responsibilities.</p>	<p>→ Increase quality of health services.</p> <p>→ Establish required number of health centers and keep sufficient doctors.</p>
<p>Sector: Agriculture Hazard: Onrush of hilly water</p> <p>The Upazila is known as 'Hilly Upazila'. There are hills in almost all unions. Homes are destroyed in every year due to hill water onrush. 3170 acres crop are damaged each year due to water onrush.</p>	<p>→ People are not aware about 'Onrush of hilly water'.</p> <p>→ People are not aware about Landslide.</p> <p>→ Not to cut trees in large number from hills.</p>	<p>→ Cultivate water resistance crop varieties.</p> <p>→ Framers should have training.</p> <p>→ Plant more and more trees to hills by GO & NGOs.</p>	<p>→ Cultivate water resistance crop varieties.</p> <p>→ Impart training to farmers.</p> <p>→ Strict execution and enforcement of Hill cutting policies.</p>
<p>Sector: Fisheries Hazard: Onrush of hilly water</p> <p>Total number of ponds in Hathazari Upazila is 1430. It is most likely that fishes of 145 ponds out of 1430 ponds can be swept away if a flood occurs in this Upazila. As a result, 7540 fishermen of 3500 families can be affected.</p>	<p>→ Raise height of ponds embankment.</p> <p>→ Keep people aware.</p>	<p>→ Keep people aware.</p> <p>→ Provide nets above banks.</p>	<p>→ Build ponds away from hills.</p> <p>→ Increase depth of ponds.</p>

Hazards & Risks	Possible means to reduce risks		
	Short-term	Midterm	Long-term
<p>Sector: Agriculture Hazard: Tornado Tornado hits this Upazila every year. This Upazila is affected by tornadoes every year as it is close to sea and due to affect of climatic change.</p>	<ul style="list-style-type: none"> ➤ Affect of depression to coastal areas. ➤ Increase of temperature in atmosphere. ➤ Affect of green houses. ➤ Climatic Change. 	<ul style="list-style-type: none"> ➤ Absence of sufficient trees. ➤ Having no plan for social afforestation. ➤ Due to black fumes of mills and transports. ➤ Not getting advance forecasting of tornadoes. 	<ul style="list-style-type: none"> ➤ Poor attention of Agricultural department. ➤ Absence of Agricultural research centers. ➤ Lack of adequate training of farmers. ➤ Lack of effective government policies about Hazard and risks.
<p>Sector: Homes Hazard: Tornado There are a total 8650 homes in Hathazari Upazila. Among them 3432 Pucca, 10774 Semi Pucca and 24066 Kacha. Almost majority homes are Kacha. About 3540 semi Pucca and 8970 Kacha homes of nine unions can be affected if a tornado like 1991 occurs in Hathazari Upazila.</p>	<ul style="list-style-type: none"> → Build tornado resilient homes. → Strengthen base. 	<ul style="list-style-type: none"> → Give advance warning. → Keep people aware. 	<ul style="list-style-type: none"> → Not maintain natural balance.
<p>Sector: Agriculture Hazard: River Erosion There are Halda river in this Upazila. River erosion is seen in some union like Nangolmora, Chibatali, Gumanmardan, Garduara and Burirchar. About 200-300 acres crop are damaged due to river erosion.</p>	<ul style="list-style-type: none"> → Strengthen embankments. → Repair embankments. → Plant more and more trees on banks of river. 	<ul style="list-style-type: none"> → Increase navigability. → Increase depth and keep clean the routes of rivers 	<ul style="list-style-type: none"> → Increase cooperation of WDB. → Not to take initiatives to protect river erosion.
<p>Sector: Fisheries Hazard: River Erosion River erosion occurs in every year during</p>	<ul style="list-style-type: none"> → Not to build ponds close to rivers. 	<ul style="list-style-type: none"> → Build embankments strong. → Fisherman should be 	<ul style="list-style-type: none"> → Put more attention of fishery department.

Hazards & Risks	Possible means to reduce risks		
	Short-term	Midterm	Long-term
rainy monsoon. Fisheries sector suffers extensively due to river erosion. River erosion is seen in Nangolmora, Gumanmardan, Chibatali, Garduara and Burirchar union if river erosion occurs. About 120 ponds are devoured by river erosion.		aware	→ Government initiatives must to prevent river erosion.
Sector: Homes Hazard: River Erosion River erosion occurs in every year in this Upazila. About 1020 homes of Nangolmora, Gumanmardan, Garduara, Chibatali and Burirchar union can be devoured if a river erosion is occurs.	<ul style="list-style-type: none"> ➤ Non existence of Embankments. ➤ Due to increase of water pressure in rivers during rainy monsoon. 	<ul style="list-style-type: none"> ➤ Losing / decreasing navigability. ➤ Decrease of depth of rivers by siltation. 	<ul style="list-style-type: none"> ➤ Not taking any government initiatives to prevent river erosion. ➤ Lack of good attention of WDB.
Sector: Agriculture Hazard: Drought Drought is found during dry monsoon in this Upazila. Almost all unions are affected by drought. About 2100 acres crop are damaged directly or indirectly due to drought.	<ul style="list-style-type: none"> → Plant sapling newly. → Increase sufficient large trees. 	<ul style="list-style-type: none"> → Retain water in rivers and canals. 	<ul style="list-style-type: none"> → DAE should put more attention. → Invent drought resilient varieties of crops.

3.3 Development Plan of NGOs:

SL. No.	NGO	Activities on Disasters	Total number of beneficiaries	Duration of projects
1	Proshika	Health, and reduction of risk, and small loan	930 people	Long term- On going
2	Hope	Sanitation , awareness, health and small loan	1030 people	Long term- On going
3	BRACK	Development of the women, Education, health and micro credit	2750 people	Long term- On going
4	SDI	Health, and awareness among small loans	1120 people	Long term- On going
5	Steps	Micro-Credit & awareness	890 people	Long term- On going
6	T M S S	Development of the women, education, awareness, health and small loan project	1530 people	Long term- On going
7	Bangladesh Bureau	A small loan & awareness	640 people	Long term- On going
8	Gharoni	Risk Reduction & Education	2112 people	Long term- On going
9	Red Crescent	Raise awareness, risk and disaster management.	650 people	Long term- On going
10	World vision	Risk Reduction & Education	7,500 people	Long term- On going
11	Grameen Bank	Micro-Credit & awareness	1160 people	Long term- On going
12	Grameen Seba	Health, and awareness and small loan	790 people	Long term- On going
13	Poppy	Risk Reduction & Education	675 people	5 year term
14	Ghasful	Awareness, and Risk Reduction & Education	780 people	Long term- On going
15	Muslim Aid	Health, and awareness & Micro-Credit	695 people	3 Year term
16	Excitement in	Health, and awareness & Micro-Credit	985 people	5 year term
18	IDF	Health, Awareness & Micro-Credit	760 people	Long term- On going

3.4 Disaster Management Action Plan:

3.4.1 Pre-preparation for Disaster

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implement.	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Com m. %	UP %	NGO %	
1	Identification of points for massage	110	1, 10, 000/--	Village, ward, up & purashava	February-March	Through Co-ordination				All activities will make community people aware and motivate to work to reduce Disaster risks. As a result, the loos of lives and resources will be reduced. The activities will contribute to socio-economic and national development.
2	Group formation at Ward level	120	4, 80, 000 -	Pourashava & Up	February-March					
3	Plan to circulate advance massage for flood/hazards at local level	115	2, 90, 000/--	Pourashava & Up	February-March					
4	Circulate advance massage for Flood & disasters	115	57, 500 -	Village, ward, up & purashava	February-March					
5	Deliver Health Services	43	43, 00, 000 -	Village, ward, up & purashava	February-March					
6	Conduct drill activities	28	4, 20, 000 -	Pourashava & Up	February-March					
7	Repair of Shelters	42	2, 10, 000 -	Pourashava & Up	February-March					
8	Impart training on Disasters & Primary Health	14	70, 000 -	Pourashava & Up	February-March					
9	Keep ready of Dry foods and	dry food - 9 tons	10, 50, 000 -	Village, ward, up & purashava	February-April					

	Medicines	Rice/Rice- 12 tons					
10	Impart traing to school students on Disasters	155 t at school	3, 50, 000 -	School	February - April		

3.4.2 During Disasters:

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implement.	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Communit y %	UP %	NGO %	
1	Distribution of Dry foods	7 tons dry food, rice, pulses 9 tons	11, 50, 000	Ward & Union	During disaster management	Through Co-ordination				All activities will make community people aware and motivate to work to reduce Disaster risks. As a result, the loos of lives and resources will be reduced. The activities will contribute to socio-economic and national development.
2	Arrange provision for Pure drinking water & Sanitation	48, 000 Family	3, 50, 000	Ward & Union	During disaster management					
3	Transfer affected people to shelters or Health centers	35, 000 family	4, 00, 000	Ward & Union	During disaster management					
4	Take women, children, aged, ill and disabled to shelters and high land on emergency basis.	70	1, 75, 000 -	Ward & Union	During disaster management					
5	Transfer affected people to proper medical service	-	-	Ward & Union	During disaster management					
6	Ensure Social security	-	-	Ward & Union	During disaster management					

3.4.3 After Disasters:

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implementation	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Community %	UP %	NGO %	
1	Rescue wounded People & provide primary treatment	110 T.	4, 40, 000 -	All wards & unions of upazila	After disaster	Through Co-ordination				
2	Cleaning garbage immediately	110	5, 50, 000 -	In the disaster affected areas	After disaster					
3	Start early rescue operation	110	-	In the disaster affected areas	After disaster					
4	Emergency rehabilitation & support for livelihood	17,000	3, 40, 000/	In the disaster affected areas	After disaster					
5	Restablishment of social security	-	-	All wards & unions of upazila	After disaster					

3.4.4 In normal period/Risk reduction period:

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implementation	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Community %	UP %	NGO %	
1	Repair of embankment & construction	29.5 km.	Every km. 32 lakh	<ol style="list-style-type: none"> 1. Dhalai union 4 km. ward no. 4, 6 & 9 2. Farhadabad union 5 km. ward no 5 & 7 3. Chibatali union 4 km. ward no 2, 3, 4 & 6 4. Dakhin Madarsha union 4 km. ward no 1, 6, 7, 8 & 9 5. Uttar Madarsha union 5 km. ward no 1, 2, 3 & 5 6. Fatepuer union 6 km. ward no 5, 7, & 9 7. Mekhol union 2km. ward no 2, 4 & 6 7. Nangolmora union 5 km. ward no 1, 2, 3, 4, 5 & 6 8. Gumanmardan union 2 km ward no 3, 4 & 5 	Nov. to January	Through Co-ordination				All activities will make community people aware and motivate to work to reduce Disaster risks. As a result, the loss of lives and resources will be reduced. The activities will contribute to socio-economic and national development.

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implementation	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Community %	UP %	NGO %	
				9. Shikarpur union 6 km. ward no 1, 4, 5, 6 & 8 10. Mirzapur union 4 km. ward no 4, 5, 6 & 8 11. Burirchar union 3 km. ward no 6, 7, 8 & 9 12. Garduara union 3 km. 1, 4, 5 & 7 13. Chibatali union 4 km. 1, 3, 4, 8 & 9						
2	Sluice gate	24	Per sluice gate 65 lac	1) Dhalai union: sluice gate located is sonai khal & Dhalai canal ward no 1, 3,4, 5, 8 and 9. 2) Fathepur Union: sluice gate located is Mitha Chara ward no 2. 3) Garduara Union: sluice gate located is Chankhali khal & Porakpali canal ward no 1 & 6. 4) Uttar Madarsha union: sluice gate located is porakpali khal & KumarKhall ward no 3,4, 5, 6 and 8. 5) Burirchar union: sluice gate located is Halda river ward no 2. 6) Dakhin Madarsha union:	Nov. to January					

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implementation	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Community %	UP %	NGO %	
				<p>sluice gate located is Shah Madari khal & Katakhal Khal ward no 3 & 8.</p> <p>7) Mekhol Union: sluice gate located is Halda ward no 2 & 3.</p> <p>8) Mirzapur union: sluice gate located is Lalmati khal, Mora Chara, Boalia Khal & Sonai Khal ward no 4, 5, 6, 7 & 9.</p>						
3	Digging Chara	8	Per Chara 1 Crore	<p>1) Dhalai union: Digging Chara located is Bipula Chara & Dubli Chara ward no 4, 6, 8 & 9.</p> <p>2) Fathepur union: Digging Chara located is Mitha Chara, Sonai Char, Mora Chara & Balu Chara ward no 1, 2, 3, 4 & 7.</p> <p>3) Gumanmardan union: Digging Chara located is Dinga Chara & Kumari Chara ward no 1 & 7.</p>	Nov. to January					
4	Digging Khal	18	Per Khal 1 Crore	<p>1) Shikarpur union: Digging khal located is Oyasis khal & Krishna Kahl ward no 1, 2 & 3.</p> <p>2) Dakhin Madarsha union: Digging khal located is Shah Madari khal & Katakhal Kahl ward no 2, 6 & 9.</p> <p>3) Mrkhol union: Digging khal</p>	Nov. to January					

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implementation	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Community %	UP %	NGO %	
				<p>located is Chankhali khal & Obadar Kahl ward no 1, 2, 3, 4, 7, 8 & 9.</p> <p>4) Chibatali union: Digging khal located is Chibatali khal, Shikdar khal, Mora boalia khal & Gosthakhali Kahl ward no 1, 2, 7 & 8 .</p> <p>5) Dhalai union: Digging khal located is Dhalai khal ward no 2, 3, 4, 6 & 9.</p> <p>6) Fathepur union: Digging khal located is Sonaichari khal ward no 2, 3 & 5.</p> <p>7) Garduara union: Digging khal located is Mora Kapali khal & Gosthakhali Kahl ward no 1, 2, 3, 8 & 9.</p> <p>8) Dakhin Madarsha union: Digging khal located is Boalia ward no 6.</p> <p>9) Burirchar union: Digging khal located is Karishnakhali khal ward no 3, 6, 7, 8 & 9.</p>						
5	Road repairs & brick soling	50 km.	Every kilometer 15 lakhs	<p>1. Shikarpur union Kacca road 4 km. ward no. 3, 5 & 8 & HBB road 7 km. ward no. 1, 3, 5, 6 & 9.</p> <p>2. Dakhin Madarsha union</p>	After disaster					

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implementation	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Community %	UP %	NGO %	
				<p>Kacca road 9 km. ward no. 3, 4, 5, 6 & 9 & HBB road 7 km. ward no. 3, 5, 7 & 8.</p> <p>3. Mekhol union Kacca road 11 km. ward no. 3, 4, 5 & 7 & HBB road 10 km. ward no. 1, 2, 3, 4, & 9.</p> <p>4. Chikondandi union Kacca road 9 km. ward no. 1, 2, 3, 5 & 9 & HBB road 7 km. ward no. 1, 3, 5, 6 & 9.</p> <p>5. Dhalai union Kacca road 16 km. ward no.1, 2, 3, 4, 5, 6, 8 & 9 & HBB road 8 km. ward no. 1, 3, 5, 6 & 9.</p> <p>6. Fathepur union Kacca road 12 km. ward no. 1, 3, 5, 8 & 9 & HBB road 5 km. ward no. 5, 6 & 9.</p> <p>7. Chibatali union Kacca road 9 km. ward no. 3, 5, 6, 7 & 8 & HBB road 17 km. ward no. 1, 3, 5, 6, 7, 8 & 9.</p> <p>8. Garduara union Kacca road 10 km. ward no. 1, 2, 3, 5, 8 & 9 & HBB road 13 km. ward no. 1, 3, 5, 6 & 9.</p> <p>9. Nangolmora union Kacca road 14 km. ward no. 2, 3, 5, 8 & 9 & HBB road 7 km.</p>						

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implementation	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Community %	UP %	NGO %	
				ward no. 3, 5, 6 & 9. 10. Gumanmardan union Kacca road 12 km. ward no. 1, 2, 3, 5, 8 & 9 & HBB road 6 km. ward no. 1, 3, 6 & 9. 11. Burirchar union Kacca road 8 km. ward no. 3, 5 & 8 & HBB road 4 km. ward no. 6 & 9. 12. Mirzaput union Kacca road 11 km. ward no. 3, 5 & 8 & HBB road 8 km. ward no. 1, 3, 5, 6 & 9. 13. Uttar Madarsha union Kacca road 10 km. ward no. 3, 5 & 8 & HBB road 7 km. ward no. 1, 3, 5, 6 & 9.						
6	Emergency control room operation	-	-	Upazila & Union	After disaster					
7	Repair of shelter & reconstruction	28	Per 1.5 crore	Each union 2	Nov. to January					
8	Construction of Culvert	90	Every 2 lakh 10 thousand	1. Shikarpur union no. of culvert 1020. ward no. 1 to 9. 2. Dakhin Madarsha union	After disaster					

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implementation	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Community %	UP %	NGO %	
				no. of culvert 15. ward no. 1 to 9. 3. Mekhol union no. of culvert 12. ward no. 1 to 9. 4. Chikondandi union no. of culvert 21. ward no. 1 to 9. 5. Dhalai union no. of culvert 13. ward no. 1 to 9. 6. Fathepur union no. of culvert 15. ward no. 1 to 9. 7. Chibatali union no. of culvert 12. ward no. 1 to 9. 8. Garduara union no. of culvert 10. ward no. 1 to 9. 9. Nangolmora union no. of culvert 10. ward no. 1 to 9. 10. Uttar Madarsha union no. of culvert 9. ward no. 1 to 9. 11. Gumanmardan union no. of culvert 12. ward no. 1 to 9. 12. Burirchar union no. of culvert 10. ward no. 1 to 9. 13. Mirzapur union no. of culvert 11. ward no. 1 to 9.						
9	Construction of Soil killa	28	80 lakhs In each	Construction of Soil killa Per union 2	Nov. to January					
10	Sanitation	11, 400	Every 20	All of unions of Hathazari	After					

Sl. No	Activities	Targets	Probable budget	Where to do	Probable date for implementation	Who to do & How much				Coordination with development Plan
						Upazila admin. %	Community %	UP %	NGO %	
			thousand	upazila arrange sanitation.	disaster					
11	Rain water	3,700 .	Every 90 thousand	Ward, Village & Up	After disaster					
12	Tree plantation	198 kilometers	25 thousand kilometers to	Ward, Village & Up	After disaster					
13	Disaster resilient crops	40000	50 crores total of 1.	Upazila	After disaster					
14	Impart training on maintenance of shelters	600 people	6 lakh taka	Upazila	After disaster					

4th Chapter: Emergency Response

4.1 Emergency Operation Center (EOC)

An emergency operation center is organized during disasters at Hathazari upazila. The center plays effective role in responding during disasters and coordinates with others. The center opens 24 hours. During this period the center collect data, examines data, inspect and manage resources.

The emergency operation center is organized in the office of PIO. In this center, a operation center, 1 control room and 1 communication cell operates. The name, designation and mobile no of responsible persons are exhibited in below table-

Ka) Upazila

List of Hathazari Upazila's Emergency Operation center

Sl. No	Name/Designation	Mamber	Mobile No
01	Mahbubul Alam Chowdhury	President	01818-568386
02	Mr. Israt Jahan Panna	Vice-President	01838-672780
03	Md. Anwarul Islamd	Member Secretary	01970-110220
04	Md. Forkan's	Member	01819-312344
05	Mr. Rabeya Chowdhury	Member	01711-077813

Kha) Center list of union emergency operation center committee in table below:

List of Dhalai union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Md. Abul Mansur	Chairman	01819-110151
02	Md. Abdul Kader	Member Secretary	01819-647996
03	Joynabo Akhter	Member	01813-167925
04	Farid Ahmed	Member	01811-810040
05	Md. Shafil Azam	Member	01819-394691

List of Burirchar union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Nusrat Jahan	Chairman	01813-952706
02	Md. Kabir	Member Secretary	01814-938960
03	Diluyara Begum	Member	01819-616753
04	Mir Md. Anowara Hossan	Member	01818-675129
05	Md. Salim	Member	01819-625145

06	Md. Eliyas	Member	01816-236857
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List of Shikarpur union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Md. Abu Bakkar Siddiki	Chairman	01819-386492
02	Subrata Kumar Nath	Member Secretary	01819-863574
03	Hosenara Begum	Member	01913-612578
04	Salim Khan	Member	01917-291264
05	Md. Naser Hox	Member	01815-958147
06	Md. Tajul Islam	Member	01819-939812

List of Uttar Madarsha union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Advocate Lafikul Kader	Chairman	01711-761515
02	Jahangir Alam	Member Secretary	01817-739127
03	Abdul Mannan	Member	01816-126511
04	Parvin Akhter	Member	01832-557722
05	Samsur Alam	Member	01817-203214

List of Fathepur union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Alhaz Jaker Hossan	Chairman	01711-449746
02	Md. Harun	Member Secretary	01811-258348
03	Shima Parvin Jharna	Member	01818-625283
04	Md. Salim	Member	01813-882473
05	SS Musa Siddiki	Member	01818-111385

List of Farhadabad union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Md. Shahadat Osman	Chairman	01817-721880
02	Shamir De	Member Secretary	01824-925817
03	Chenoyara Begum	Member	01813-401737
04	Md. Hossain Manjur	Member	01819-941206
05	S.M Musa Siddiki	Member	01924-107892

List of Mirzapur union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Md. Sekendar Chowdhury	Chairman	01819-603395
02	Kanu Kumar Nath	Member Secretary	01819-749114
03	Monowara Begum	Member	01814-484682

04	Shah Jahan	Member	01817-836186
05	Md. Yeakub	Member	01817-734464

List of Chibatali union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Mohammad Ali	Chairman	01829-594429
02	K,B.M Ismail	Member Secretary	01815-814590
03	Rina Akhter	Member	01824-995876
04	Fazlul Haque	Member	01815-519465
05	Ali Ahmed	Member	01815-614211

List of Nangolmora union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Alhaz Md. Kamal Uddin	Chairman	01819-170444
02	Mohammad Hossain	Member Secretary	01819-032787
03	Shahanaj Begum	Member	01817-250314
04	Badiul Alam	Member	01818-799943
05	Umar Faruk	Member	01818-077093

List of Gumanmardan union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Md. Najim Uddin	Chairman	01817-021887
02	A.K.S Shah Alam	Member Secretary	01817-223521
03	Ayesha Amena	Member	01829-745512
04	Osman Khan	Member	01816-724786
05	Md. Jamal Uddin	Member	01818-194056

List of Dakhin Madarsha union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Md. Abul Hossan	Chairman	01715-741292
02	Md. Shiraj Uddin	Member Secretary	01814-307161
03	Md. Idris	Member	01818-993025
04	Md. Jashim uddin	Member	01817-203929
05	Miss. Tahera Begum	Member	01811-817993

List of Chikondandi union's Emergency Operation center

Sl. No	Name	Designation	Mobile No
01	Md. Salim Uddin	Chairman	01711-713676
02	Md. Abul Basor	Member Secretary	01814-461211

03	Laki Akhter	Member	01815-626223
04	Md. Jakaria Chowdhury	Member	01840-298275
05	Md. Idris	Member	01713-731592

4.1.1 Operate Emergency control room:

A control room is organized at the office of Upazial Nirbahi Officer during disasters. There is a register. Who, when will deliver their responsibilities is written in this register and what kind of message is received and what kind of message is sent to whom is written in this register. A union based LGED MAL is kept in the room and various locations, roads for communication, khals and embankments etc is written in this MAP.

2 members of Upazila Disaster Management Committee (UzDMC) work in this control room by turns after just after occurrence of disasters and a police also present in this center. Responsible 3 people deliver their duties by turns and a 3 member voluntary team work 24 hours by turns. Full time contact is maintained through phone or mobile with Unions and district.

Just after the disasters, affected areas are identified in this MAP. It may be mentioned here that control room lacks some instrument like large torch light, gumboot, life jacket and raincoat etc.

4.2 Plan during disaster:

Sl no	Activities	Unit	Target	When to do	Who do	Who to do	How to do	Communication
1	Keep ready to volentiars	People	14 Union in 4200	Feb. to March	UP Chairman	UzDM C & NGO & Public	Impart Training & material supply	Representative of Union & Upazila disaster management community
2	Micking of warning	No. of people	100 percent Union 14	Rescue of warning messages	Responsible volentaires	Rural police & Rural people	Through siren & dream	UDMC responsible representative
3	Ready to Boat/, Car/ Van	No.	each union 2 car	Before disaster	Responsible person of Union Parishod	UP member	Preserve phone no of boat, car & van drivers	UDMC responsible representative
4	Conduct rescue operation	e No. of people	1200 people	Before disaster	Responsible person of Union	People of Non-govt. organization & community	Through selecting few volunteers who are capable of rescue activities & using life saving devices	UzDMC 3 UDMC responsible representative
5	Primary Treatment	No.	14 Union	Before disaster	Responsible person of Union	People of Non-govt. organization & community	Keep communication with health center	Responsible person of Upazila health center
6	Collection of life saving medicine & keep prepared	Medicine	650 people	Pre-disaster	Responsible person of UDMC	People of Non-govt. organization & community	Keep communication with health center	Communication with UzDMC & UDMC to the responsible person
7	Dry food,/pulse/rice & house building materials	Taking only dry food total 12 tons			Responsible person of UDMC	local busines community and non-governmental organizations people	Through collecting phone no & discation with community people & agencies that capable of provides foods	Communication with UzDMC & UDMC to the responsible person
8	Vacine of domestic animal	Medicine	1400	Pre-disaster & after disaster	Responsible person of Union	People of Community	Through discation with union responsible worker	Responsible agencies of UDMC & Upazila livestock officer
9	Shelter repairs	NO.	14	Pre-disaster	Responsible person of Union	People of Non-govt. organization & community	Solve problems through informing responsible officers by visiting shelters directly	Communication with UzDMC & UDMC to the responsible person
10	Organize reharshall	No.	28	Pre-disaster	Responsible person of Union	People of Non-govt. organization & community	Volunteers reharshell in more vulnerable areas	Communication with UzDMC & UDMC to the responsible person

Sl no	Activities	Unit	Target	When to do	Who do	Who to do	How to do	Communication
11	operate emergency room	Room	7	Pre-disaster	-	-	Preserve information for emergency room	Communication of district disaster management community

4.2.1 Keep volunteers ready:

- Organize groups with leadership of UP members at ward level.
- Circulate information and warning message through volunteers
- Organize training for members of volunteers on different responsibilities like signaling, messaging, rescue, disposal and shelter management and risk reduction.

4.2.2 Circulate warning message:

- Ward UP members will circulate the warning message to every homes of all wards as his own responsibilities.
- Circulation of 5 no danger warning shloud be done through Miking at least once in one hour.

4.2.3 Aproch of removing community npeople

- Ward UP member will start removing people to shelters just after getting message of taking shelter to shelter centers through radio and TV.
- Miking should be started to take shelter of high risk people immediately after announcement of 8 no waring and volunteers will put pressure of taking sheler by moving house to house. They should be moved if necessary. People having risk must keep informed about their respective shelter.

4.2.4 Rescue & Primary Medical service:

- This responsibility should be entrusted to the members of District and Upazila Disaster Management Committee of high risk areas.
- A permanent fund should be created under the supervision of District and Upazial Disaster Management Committee for rescue operation.
- Conduct and establish temporary rescue camp.
- Send ill person, aged, children and delivering pregnant women urgently to hospitals.
- Up members with the help of volunteers will put dead animals into grave and dead men to burials.

4.2.5 Maintanence of Shelter centers:

- Keep cyclone centers ready after doing necessary repair before start of Disaster monsoon.
- Finalize the cyclone centers or safe centers during emergency.
- Ensure security of women, children, and disbled during disasters.
- Ensure safe drinking water and other services.

4.2.6 Keep ready boats:

- DDMC and UzDMC will update the list of engines driven boats and make a selection for use during disasters.
- Boats owners will provide assistance to them.

4.2.7 Need assessment of damages and send report:

- Send SOS for within 24 hours of disaster happening and 'D' form within 7 days to UP Chairman.
- UP Chairman will send compiled ward report to Chairmen of Upazila DMC within next 12 hours through UP secretary.

4.2.8 Coordinate of relief activities:

- UP Chairman will coordinate all relief activities of different relief agencies.
- Maintain a register about the relief materials arrived and inform control room about the operating areas and groups working in those areas.

4.2.9 Collect & keep ready dry foods and life saving medicines:

- Collect and procure dry foods like Chira, Muri from local hat/bazaars for prompt distribution.
- Collect rice, pulses, Atta, oil and house building materials like Tin,, Perek, and nylon ropes from local Bazaars.
- Prepare a list of necessary medicines with the help of Health assistant and Family Planning Assistant.

4.2.10 Treatment/ Vaccination of Domestic animals:

- Keep ready medicines at Union Parishad Bhaban or Health centers from upazila livestock office.
- Members of Union disaster Management Committee (UDMCs) should be imparted training on Animal treatment.
- Experienced men must be involved in Animal treatment activity during disasters.

4.2.11 Organize drill:

- Drills should be organized on warning, forecasting, removal, recovery, and management of primary relief operation.
- Disasters drills should be organized periodically in cyclone/ flood prone areas.
- Examine the strength of preparation through drills on April and May of each year with vulnerable communities.
- During drills focus should be given to move ill, disables, lactating mothers/ pregnant women and children towards shelters.
- Drills should be conducted in areas risky for disasters on how move people to shelters.

4.2.12 Conduction of emergency control room:

- Emergency control rooms must be organized at unions/upazila/district offices just after disaster occurrence. Presence of Gram police members and 3/4 volunteers must be ensured by turns in these centers.
- Secretary of union Parishad and responsible person will be in duties of EOCs. Each team should consist of at least 3 members and 3 volunteers will deliver duties at EOC by turns. UP secretary will supervise activities all the time.

4.2.13 Shelters / safe places -

- Places which are safe from inundation during floods and away from river erosion can be used as Shelters.

Selected shelters, local schools and colleges, government and non-government institutions, high road, and embankments can be used as shelters.

4.3 List and description of Upazila safe places-

List of safe places during disasters

Name of shelter center	Name	Name Union	power
Soil Killa	There is no soil Killa in this Upazila	-	-
Cyclone center	There is no center cyclone	-	-
School cum Shelter	Hathazari College	Hathazari upazila	Almost 1800 people
	Nazirhat College	Hathazari upazila	Almost 1500 people
	Hathazari Parboti College	Hathazari upazila	Almost 900 people
	Hathazari Girls' High School	Hathazari upazila	Almost 1200 people
	Dr. Shahidullah Academy	Hathazari upazila	Almost 1000 people
	Mirzapur Girls' High School	Fathepur	Almost 850 people
	Dakhin Mekhol High School	Mekhol	Almost 700 people
	Farhadabad High School	Farhadabad	Almost 900 people
	Madarsha Bahamukhi High School	Uttar Madarsha	Almost 850 people
	Nangolmora High School	Nangolmora	Almost 700 people
	Burirchar High School	Burirchar	almost 750 people
	Gumanmardan Peshkar hat High School	গুমানমর্দন	About 800 people
	Dhalai west High School	Dhalai	Almost 950 people
	ABC: Mirzapur High School	Fathepur	Almost 1000 people
	Nangolmora Samsul Ullum Madrasa	Nangolmora	Almost 950 people
	Fatheyabad College	Mirzapur	Almost 1400 people
	shikarpur High School	Shikarpur	Almost 1000 people
	Small Kanchanpur Govt. Pri. school	Farhadabad	Almost 700 people
	Dhalai Govt. Pri. school	Dhalai	Almost 650 people
	Musurabad Govt. Pri. school	Fathepur	Almost 500 people
	Pahartali Govt. Pri. school	Hathazari upazila	Almost 850 people
	Azimpara Govt. Pri. school	Hathazari upazila	Almost 700 people
	Chhibatali Idgah Govt. Pri. school	Chhibatali	Almost 650 people
	Burirchar High School	Burircha	almost 550 people
	Burircha Govt. Pri. school	Burircha	Almost 650 people
	Gumanmardan Govt. Pri. school	Gumanmardan	Almost 500 people
Haji Fazal Mia Govt. Pri. school	Farhadabad	Almost 650 people	
Saheb Nagar Govt. Pri. school	Uttar Madarsha	Almost 500 people	

	Chikondandi Govt. Pri. school	Chikondandi	almost 750 people
	Kazi Para Govt. Pri. school	Chikondandi	nearly 600 people
Up building	Union Council Building	Hathazari upazila	Almost 2000 people

4.4 Shelter center list of disaster management committee

Disaster management of shelters is an important part.

- During disaster save lives and property
- During disaster save livestock
- Shelter center and maintenance to make sure

Shelter Center	Name of shelter center	Responsible person	Mobile no.
School cum shelter	Garduara High School	Md. Imran	01819-335956
	Kathirhat High School	Nurunesa Begum	01818-048770
	Fathepur High School	Mohammad Yusuf Ali	01811-503043
	Mekhol Ideal High School	Sushil Chakaraborti	01818-033345
	Charia High School	Salahuddin Jahangir	01819-741839
	Burirchar High School	Sudhir Kumar Barua	01719-381170
	Uttar Madarsha High School	Md. Sirajul Islam	01727-862585
	Dhalai west High School	Ahmed Hossain	01815-132324
	Farhadabad High School	Md. Mahbubul Alam	01817-704622
	Mekhol High School	Babul Fayez	01824603160
	Fathepur Girls' High School	Mita Talukdar	01812-028850
	Dakhin Madarsha High School	Babul Chandra	01815-553362
	Nangolmora High School	Md: Khorshedul Alam	01712-824448
	Burirchar High School	Md Mosleh Uddin	01819-635133
Gumanmardan Peshkar hat High School	Rafiqul Islam	01818-118015	
Up Building	Nangolmora Up Parishad	Alhaj Md. Kamal Uddin	01819-170444
	Dhalai Up Parishad	Md. Abul Mansoor	01819-110151
	Gumanmardan Up Parishad	Md. Nazim Uddin Chowdhury	01817-021887
	Shikarpur Up Parishad	Siddiqi Mohammad Abu Bakkar	01819-386492
	Dakhin Madarsha Up Parishad	AD. Rafiqul Kader	01711-761515
	Mirzapur Up Parishad	Alhaj Zakir Hossain	01711-449748
	Farhadabad Up Parishad	Md. Shahadat Osman	01817-721880
	C hibatali Up Parishad	Mohammad Ali	01829-594429

4.5 List of Upazila resources:

Infrastructure / resources	Number	Choose	As a brief
shelters	-	Responsibilities are given instantly.	Almost all items are in damaged condition. Cyclone shelters have been useless and unprotected.
Godawn	2		
Small megaphones	1 set		
Wireless	1		
Lif jackets	-		
Gumboats	-		
Sirens	1		
Helmets	-		
Bi-cycles	-		
Torch lights	-		
Apron	-		
Flagstand (with flag)	-		
Engine driven boats	-		
Rescue tool boxes	-		
Wireless sets	1		
Strechers	-		
Mikes	1		
Radios	1		
First AID Box	1		
Tables	3		
Chairs	8		
Almirah	1		

4.6 Financing/Funding:

The income of union parisheds comes from local tax, lease of hat/ bazaars and issuing of trade licence of some specific business. But Union Pradshad has no authority to lease large hat/Bazars and Khall / Bills. But now government transfers 1% tax to union parishads from land registration.

(a) Own Resources: (Union Kar, rate and Fees)

Type of source	Annual income													
	Farhadabad	Mirzapur	Fathepur	Dhalai	Mekhol	Chikond andi	Guman mardan	Nangolm ora	Chhibatali	Garduara	Burirchar	Shikarpur	South madars ha	North madarsha
Annual residential house tax	1,00,000	2,00,000	50,000	1,00,000	3,00,000	2,00,000	45000	84000	40,000/=	-	-	1,20,000	-	90,000/=
By the license and license issue fees for permits	-	1,00,000	30000	-	95,000/=	1,00,000	75000	278000	80,000/=	70,000/=	-	-	100000	-
For the lease (, Market, Ghat, ponds, etc)	1,44,300	-	-	4,98,430	-	-	-	46000	-	92,000/=	-	1,26,000	-	34,000/=
Income property	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Fund of Union	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	1,00,000	-	-	1,00,000	-	-	-	-	1,00,000	-	125000	-	-	-

(b) Government donation:

Type of source	Annual income													
	Farhadabad	Mirzapur	Fathepur	Dhalai	Mekhol	Chikondand i	Gumanmard an	Nangolmor a	Chhibatali	Garduara	Burirchar	Shikarpur	South madarsh a	North madarsh a
Allowance of Chairman & Mambers	4,58,520	3,30,000	5,59,200	2,06,000	1,74,300	3,30,000	1,55,000	3,30,000	3,59,600	4,80,000	3,30,000	3,22,000	3,69,000	3,30,000
Salary of secretary & other workers	5,40,000	5,27,300,	6,40,000	5,02,000	3,81,852	5,47,000	3,00,600	2,37,792	378600	-	3,81,852	5,47,000	5,40,000	5,27,300
Developing fund of reparing road/L.G. S.P	150000	2000000	1650000	100000	900000	600000	1900000	700000	-	-	1200000	700000	-	1400000
1% of Land	20000	800000	900000	400000	2100000	600000	600000	2200000	560000	900000	400000	2100000	200000	800000
Construction and home repair, the development Fund	-	300000	-	150000	300000	-	-	-	-	-	-	-	-	-

c) Local Government:

Local government	Annual income													
	Farhadabad	Mirzapur	Fathepur	Dhalai	Mekhol	Chikondandi	Gumanmardan	Nangolmora	Chhibatali	Garduara	Burirchar	Shikarpur	South madarsha	North madarsha
Upazila Parishad	-	-	3000000	-	2200000	7,00,000/=	-	-	-	2,00,000/=	-	-	400000	-
District Council	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(d) Developing non-govt. organization:

Non-govt developing organization	Annual income													
	Farhadabad	Mirzapur	Fathepur	Dhalai	Mekhol	Chikondandi	Gumanmardan	Nangolmora	Chhibatali	Garduara	Burirchar	Shikarpur	South madarsha	North madarsha
CDMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ADP	300000	-	400000	-	350000	-	450000	2000000	500000	-	300000	-	430000	-

4.7 Assessment of Planning and Work Pain

S.I No	Name	Designation	Member	Mobile No
1	Mahbubul Alam Chowdhury	Upazila Chairman	Chairman	01818-568386
2	Ishrat Jahan Panna	Upazila Nirbahi Officer	Co-Chairman	01838-672780
3	Md. Anowarul Islam	Project Implementing Officer	Member Secretary	01970-110220
4	Md: Tasaur Rahman	Upazila Engineer, LGED	Member	032-601000
5	Mr. Rabeya Chowdhury	Upazila Health officer	Member	01711-077813
6	Md: Gias Uddin	Upazila Krishi Officer	Member	01712-651229
7	Muhammad Murad	Cooperative officer	Member	01717-152127

5th Chapter: Rescue & Rehabilitation Plan

5.1 Assesment of damage

Sectors	Description
Agriculture	The amount of total firm land is 51118 acres. About 3070 acres Aman, Aus, Boro, and Robi crops and cultivation of Guava and vegetables can badly be affected if a flood similar to 1991 occurs or hits this upazila. About 2050 acres crop can be damaged each year by hilly water onrush. Partly damage of 1480 acres crop is occurred by tornedos. About 1780 acres crop can be damaged by Flood. Soil fertility is decreasing day by day. About 1130 acres crop can be affected if a draught. About 1210 acres crop can be affected if a major water logging in this upazila.
Fisheries	Fishes of about 1442 ponds out of total 1849 are flown away if a flood hits the Upazila. Fishes of about 210 ponds out of 1849 ponds are washed away if a tornado/water logging/flood in the upazila. About 60-65 ponds are affected by drought.
Health	People of about 7200 families can be affected with various diseases. 7500 families are being affected by draught/water logging/flood/land slide etc. In addition, Water scarcity is found due to lowering of underground water of tubewells during dry monsoon.
Livelihoods	About 10730 farmers, 46530 day labourers lost employment due to flood. In addition, goods of 250 small and large shops are damaged. About 62590 day labourers lost their employment due to tornado. In addition drought takes away employment of 31200 day labourers and 62400 farmers. Besides 3980 fishermen directly or indirectly affected by drought/flood.
Sanitation	There are a total 76831 latrines at Hathazari upazila. 29020 are Pucca and 47801 are Kacha. About 29020 latrines can be affected if a flood occurs. About 9300 latrines can be affected by tornado.
Infrastructure	About 74 KM Kacha road & HBB road 60 km. out of total 404 KM, inundation of 28700 homes out 79189 homes, 16 educational institutions out 228 , 12 Hatbazars out of 38 Hatbazars, 29020 Kacha homes out of 79189 homes and 45 culverts can be affected by floods, land Slide, tornado & water logging.

5.2 Early Recovery:

5.2.1 Re-establishment of Administration

S.L No.	Name	Designation	Member	Mobile No
1	Mahbubul Alam Chowdhury	Upazila Chairman	Chairman	01818-568386
2	Ishrat Jahan Panna	Upazila Nirbahi Officer	Co-Chairman	01838-672780
3	Md. Anowarul Islam	Project Implementing Officer	Member	01970-110220
4	Md: Tasaur Rahman	Upazila Engineer, LGED	Member	032-601000
5	Mr. Rabeya Chowdhury	Upazila Health officer	Member	01711-077813
6	Md: Gias Uddin	Upazila Krishi Officer	Member	01712-651229
7	Md. Abul Hossain	Upazila Accounts officer	Member	01815-133590

5.2.2 Cleaning of Garbage:

S.L No.	Name	Designation	Member	Mobile No
01	Mahbubul Alam Chowdhury	Upazila Chairman	Chairman	01818-568386
02	Ishrat Jahan Panna	Upazila Nirbahi Officer	Co-Chairman	01838-672780
03	Md. Anowarul Islam	Project Implementing Officer	Member	01970-110220
04	Md: Tasaur Rahman	Upazila Engineer, LGED	Member	032-601000
05	Md: Gias Uddin	Upazila Krishi Officer	Member	01712-651229
06	Md. Abul Hossain	Upazila Accounts officer	Member	01815-133590

5.2.3 Resumes of Public Services:

S.L No.	Name	Designation	Member	Mobile No
01	Mahbubul Alam Chowdhury	Upazila Chairman	Chairman	01818-568386
02	Ishrat Jahan Panna	Upazila Nirbahi Officer	Co-Chairman	01838-672780
03	Md. Anowarul Islam	Project Implementing Officer	Member	01970-110220
04	Md: Tasaur Rahman	Upazila Engineer, LGED	Member	032-601000
05	Md: Gias Uddin	Upazila Krishi Officer	Member	01712-651229
06	Md. Abul Hossain	Upazila Accounts officer	Member	01815-133590

5.2.4 Emergancey Livelihood Assistance:

S.L No.	Name	Designation	Member	Mobile No
01	Mahbubul Alam Chowdhury	Upazila Chairman	Chairman	01818-568386
02	Ishrat Jahan Panna	Upazila Nirbahi Officer	Co-Chairman	01838-672780
03	Md. Anowarul Islam	Project Implementing Officer	Member	01970-110220
04	Md: Tasaur Rahman	Upazila Engineer, LGED	Member	032-601000
05	Md: Gias Uddin	Upazila Krishi Officer	Member	01712-651229
06	Md. Abul Hossain	Upazila Accounts officer	Member	01815-133590

Annexure 1

Checke List of Implementing Planning:

Sl no.	subject	YES/NO
1.	Call to start publicity of danger calling member of volunteers selected for miking of warning.	Yes
2.	Whether formation or organized or responsible person has been done to rescue people of vulnearable areas.	Yes
3.	Whether publicity has been made to keep dry foods and safe drinking water for 2/1 days beneath soil.	Yes
4.	Life jakets for the security of volunteers members have been supplied	Yes
5.	Necessary manpower have been deployed to keep control room runing till the time.	Yes
6.	Necessary security for union food godwon/relief godawn are in place.	Yes
7	Others	

- The checklist for the various faults can be seen in the field will be reconstructed to take steps.
- By Union Council or any source of fund volunteers from members of the team for special needs life jacket collection.

checklist

- Every year on April 15 the date/month of May between disaster Union Management Committee meeting the discussion below: fill in the following table: list the Executive Officer of the sub-district and will be sent to the district magistrate.

SL no.	subject	Signs of its proper place
1	Union food store there is an adequate amount of storage?	No
2	It is risky for the children vaccines/vaccine has been given?	Yes
3	1 and 6 when the mother and children have been fed on vitamin K?	Yes
4	Up clinic hospitals are presive in Salain?	Yes
5	The annual volunteer training has been given to members?	No
6	For the shelter to primary treatment is medicine equipment	No
7	As for the shelter to Rural Doctors are present in the area	No
8	There are tube-wells to center shelter in	No
9	To center shelter in doors and windows there are right	No
10	As for shelter to the center for alternative care taker?	Yes
11	Shelter for women to the center there is a separate system for	No
12	To prenancy center shelter in women elected to local midwife to care for There are area	No
13	cows and goats for the position of high places or has been determined for the emphasized reforesting	No
14	The responsibility of members of the party have been aware about	Yes
15	At shelter installations/lattrin there is.	No
16	The weather broadcast and danger signal necessary for developed speaker microphone incredible pixel there is.	Yes
17	At least 2 or 1 days of taking only dry food, drinking water, to be alert to the people has been to?	Yes
18	Others	

Annuxer 2

List of Upazila Disaster Management Committee

Sl.no	Name/Designation	Member	Mobile No
1	Upazila Chairman, Hathazari	President	01818-568386
2	Upazila Nirbahi Officer, Hathazari	Vice-President	01838-672780
3	Upazila Mayor, Hathazari	Member	01838-672780
4	Vice-Chairman (Female), Hathazari	Member	01814-990651
5	Vice-Chairman (Male), Hathazari	Member	01823-434363,
6	Project Implementing Officer	Member Secretary	01970-110220
7	Chairman, Gumanmardan	Member	01817-021887
8	Chairman, Nangolmora	Member	01819-170444
9	Chairman, Chhibatali	Member	01711-276010
10	Chairman, Mekhol	Member	01815-620244
11	Chairman, Garduara	Member	01819-312344
12	Chairman, Fathepur	Member	01711 and 44746
13	Chairman, Chikondandi	Member	01711-713676
14	Chairman, Shikarpur	Member	01819-386492
15	Chairman, Dhalai	Member	01819-110151
16	Chairman, Burirchar	Member	01813-952706
17	Chairman, Farhadabad	Member	01817-721880
18	Chairman, North Madarsha	Member	01711-761515
19	Chairman, south Madarsha	Member	01715-741292
20	Chairman, Mirzapur	Member	01819-603395
21	Upazila Agricultural Officer, Hathazari	Member	01712-651229
22	Upazila Public Health Planning officer	Member	0312601009
23	Upazila Livestock officer	Member	01711-453157
24	Upazila Engineer, LGED, Hathazari	Member	0312601000
25	Upazila Election Officer, Hathazari	Member	01816-906909
26	Upazila Primary Education Officer	Member	01712-123978
27	Upazila secondary education officer	Member	01717-262977
28	Upazila Fisheries officer	Member	01716-566752
29	Upazila Assistant engineer (Public Health).	Member	01815-500069
30	Upazila statistics officer, Hathazari	Member	01918-478758

31	Upazila BRDB officer	Member	01712-207334
32	Upazila Social Services officer	Member	01711-133860
33	Upazila Women Affairs officer	Member	01711-077413
34	Upazila food controller officer	Member	01727-789827
35	Upazila Police Station Officer-in-charge).	Member	0312601009
36	Upazila Fire Station Officer	Member	0312601500
37	ADP Manager, Hathazari	Member	01711-806612

Annuxer 3

List of Volunteers of Chikondandi Union

SI No	Name	Ward No.	Training	Mobile no.
01	Ali Akbar	1	Micking of signal	01824-827310
02	Rokeya Begum	1	Rescue	01727-239068
03	Anurup	3	Rescue assistance	01819-857974
04	Beauty Sen	3	Warning assistance	01816-607065
05	Dhiman De	3	Primary treatment	01915-203552
06	Md: Musa	4	Primary treatment	01916-854644
07	Marjina Akhtar	4	Relieve assistance	01915-836459
8	Md: iliyus	5	Shelter	01921-866327
9	Navi Akhtar	5	Shelter assistance	-
10	Rabeya Begum	6	Relieve	01813 and 55835
11	Mofazzal Hossain	7	Primary treatment	01815-379285
12	Md. Kausar	7	Relieve	01822-766640
13	Rabia Akhtar	7	Micking of signal	01197-216620
14	Manirul Islam	8	Shelter	01813-166730
15	Bose Pal	9	Rescue	01814-267317
16	Raju Pal	9	Shelter	01820-278847
17	Najma Akhtar	9	Rescue	01824-903130

List of volunteers of Farhadabad Union

SI No	Name	Ward No.	Training	Mobile no.
01	Md: Enamul Haque	1	Micking of signal	-
02	Johnny Akhtar	1	Rescue	-
03	Saha Alam	2	Rescue assistance	-
04	lovely Akhtar	2	Warning assistance	-
05	Mohammad Ali	3	Primary treatment	01922-500423
06	Kalu Mia	4	Primary treatment	-
07	Kohinur Aktar	4	Relieve assistance	-
08	Ali Akbar	5	Shelter	-

09	Dilruba Aktar	5	Shelter assistance	-
10	Najim Uddin	6	Relieve	01818-672147
11	Moni Akhtar	6	Primary treatment	-
12	Ilias Talukdar	7	Relieve	01820-059592
13	Parveen Akhtar	7	Micking of signal	-
14	Kamruddin Khan	8	Shelter	01814-724620
15	Shajada Begum	8	Rescue	-
16	Mallika Barua	3	Shelter	01731-319485
17	Md: Salim Uddin	9	Rescue	-
18	Kanij Fatima	9	Primary treatment	-

List of volunteers of Dhalai Union

SI No	Name	Ward No.	Training	Mobile no.
01	Ibrahim Chowdhury	1	Micking of signal	-
02	Anwara Begum	1	Rescue	-
03	Nurul Huda	3	Rescue assistance	01821-633590
04	Bhikharun Nicha Akhtar	3	Warning assistance	01821-633590
05	Morshed Alam	5	Primary treatment	-
06	Jinnatul Ferdous	5	Primary treatment	-
07	Zahidul Islam	6	Relieve assistance	-
08	Rifat Sultana		Shelter	01814-156363
09	Jamir Uddin	7	Shelter assistance	-
10	Shiuli Akhtar	7	Relieve	-
11	Ronnie De	8	Primary treatment	-
12	Jannatul Ferdous	8	Relieve	-
13	Md: Selim	9	Micking of signal	-
14	Joynal		Shelter	-
15	Shipra Chowdhury	2	Rescue	-
16	Arup Chowdhury	2	Shelter	01916-703622
17	Selina Akhtar lucky	4	Rescue	01817-731863
18	Md: Sekendar		Primary treatment	01820-242527

List of volunteers of Union

SI No	Name	Ward No.	Training	Mobile no.
01	Rimon Das	1	Micking of signal	01811-687338
02	Shagorika Das	1	Rescue	01713-631063
03	Lucky Chakraborty	1	Rescue assistance	01830 and 00496
04	Shahidul Alam	2	Warning assistance	01811-641057
05	Laki Akhtar	2	Primary treatment	01811-504165
06	Shimi Barua	3	Primary treatment	01816-002047
07	Sourav Nath	3	Relieve assistance	01814-729768
08	Hiru Barua	4	Shelter	01813-190690

09	Priyanka Barua	4	Shelter assistance	01820-059144
10	Fatima Bibi	5	Relieve	01813-533383
11	Aklima Islam	5	Primary treatment	01813-533383
12	Aklima Islam		Relieve	01819-446306
13	Sujan	6	Micking of signal	01933-751903
14	Tiplu Kanti Nath	6	Shelter	01821-169795
15	Deb Kanti Nath	6	Rescue	01824-458350
16	Anwarul Azim	7	Shelter	01830-930190
17	M. A. Aziz	8	Rescue	01817-766876
18	Abdul Hakim	9	Primary treatment	01814-331837

List of volunteers of Gumanmardan Union.

SI No	Name	Ward No.	Training	Mobile no.
01	Rosy Aktar	7	Micking of signal	01811-197509
02	Anita Renea Akhtar	2	Rescue	01813-875761
03	Mina Mina	8	Rescue assistance	01819-356971
04	Lucky Akhtar	3	Warning assistance	01814 and 20977
05	Tajul Islam	9	Primary treatment	01823 and 95864
06	Azizul Haque	3	Primary treatment	01814 and 83466
07	Nazmin Akhtar	9	Relieve assistance	01823 and 92537
08	Khaleda Begum	9	Shelter	01815-819494
09	Ruji Akhtar	4	Shelter assistance	-
10	Md: Tipu	4	Relieve	-
11	Saju Akhtar	6	Primary treatment	01814-730712
12	Baktiar	1	Relieve	01811-175478
13	Shiru Akhtar	2	Micking of signal	01824 and 32571
14	Mumtaj Begum	1	Shelter	01830-047839
15	Lucky Akhtar	1	Rescue	-
16	Ashraf Uddin		Shelter	01922-528372
17	Munni Akhtar	5	Rescue	01816-139827
18	Mahbub Rahim	6	Primary treatment	-

List of volunteers Chhibatali Union

SI No	Name	Ward No.	Training	Mobile no.
01	Rokeya Begum	6	Micking of signal	-
02	Lucky Akhtar	1	Rescue	01818-082444
03	Mary Begum	5	Rescue assistance	01723-919144
04	Ruma Akhtar	9	Warning assistance	01811-939330
05	Abu Tayeb	6	Primary treatment	01821-793605
06	Samsul Haque	6	Primary treatment	01819-705710

07	Monir Hossain	3	Relieve assistance	01823-144970
08	Rimon Haider	1	Shelter	01812-084325
09	Minhaz Uddin	1	Shelter assistance	01937-567578
10	Nur Mohammad	1	Relieve	01818-082444
11	Ashraf	2	Primary treatment	01813-087913
12	Md: Hossain	2	Relieve	01817-768045
13	Lablu says	8	Micking of signal	01814-995505
14	Juli Akhtar	3	Shelter	01824-462693
15	Johnny Akhtar	8	Rescue	01811-276542
16	Jasmine Akhtar	4	Shelter	01816-596335
17	Sharmin Sultana	2	Rescue	01815-021036
18	Abdul Mannan	5	Primary treatment	01725-972890

List of volunteers Hathazari Union

SI No	Name	Ward No.	Training	Mobile no.
01	Md. Mosharraf Hossain	1	Micking of signal	-
02	Taslina Aktar	1	Rescue	01814 and 20977
03	Palash Kumar De	2	Rescue assistance	01923 and 95800
04	Laksmi Rani De	2	Warning assistance	01814 and 83466
05	Md. Idris	3	Primary treatment	-
06	Shaheda Begum	3	Primary treatment	01823 and 95864
07	Shafiul Azam	4	Relieve assistance	01874 and 83422
08	Umme Kulsum	4	Shelter	-
09	Mohammad Hussain Mehdi	5	Shelter assistance	-
10	Nazmun Akhtar	5	Relieve	-
11	The royal Sen Amar	6	Primary treatment	01714 and 20977
12	Anjana Das	6	Relieve	-
13	Md. Selim	7	Micking of signal	-
14	Happy Moni Talukdar	7	Shelter	-
15	Dilip Kumar Nath	8	Rescue	-
16	Rama Devi	8	Shelter	-
17	Md: Hossain	9	Rescue	-
18	Shahin Akhtar	9	Primary treatment	-

List of volunteers Mekhol Union

SI No	Name	Ward No.	Training	Mobile no.
01	Ravi Das	01	Micking of signal	01811-867604
02	Jasim Uddin	01	Rescue	01811-980915
03	Anwarul Azim	02	Rescue assistance	01818-736179

04	Akhtar Begum	02	Warning assistance	01827-292671
05	Khursheda Begum	03	Primary treatment	01812-933478
06	Jahidul Kader	03	Primary treatment	01812-847732
07	Md. Abdul Kader	04	Relieve assistance	01815-607018
08	Shakhawat Hossain	04	Shelter	01843-398428
09	Md. Mohid	05	Shelter assistance	01815-606980
10	Khurshada Begum	05	Relieve	01825-644257
11	Mita Das	06	Primary treatment	01736-350568
12	Kajal Chakraborty	06	Relieve	01718-558127
13	Joyosree Devi	07	Micking of signal	01816-607868
14	Misu Kumar Nath	07	Shelter	01812-939359
15	Shampa Talukdar	08	Rescue	01814-845132
16	Mintu Talukdar	08	Shelter	01814-845132
17	Rekha Devi Nath	09	Rescue	01812-450427
18	Shelly Akhtar	09	Primary treatment	01915-061365

List of volunteers Garduara Union

SI No	Name	Ward No.	Training	Mobile no.
01	Nurul Alam	1	Micking of signal	01820-083176
02	Ekramul	1	Rescue	01817-203974
03	Salahuddin Mintu	2	Rescue assistance	01840-217129
04	Runa Akhtar	2	Warning assistance	-
05	Kamruzzaman	3	Primary treatment	01822-960239
06	Naim Uddin	3	Primary treatment	01817-110192
07	Salahuddin Masud	4	Relieve assistance	01812-834138
08	Zia Uddin Babul	4	Shelter	01812-834138
09	Mozammel Hossain	4	Shelter assistance	01827-244980
10	Rumi Akhtar	5	Relieve	01812-616297
11	Md. Kader	5	Primary treatment	01812-616297
12	Sansun Islam	6	Relieve	01829-313825
13	Farooq	6	Micking of signal	01823-313825
14	Nurul Islam	7	Shelter	01817-225148
15	Rehena Begum	7	Rescue	01815-136627
16	Shahidul Chowdhury	8	Shelter	-
17	Sharmin Akhtar	8	Rescue	01811-537518
18	Arafat	8	Primary treatment	01811-709483

List of volunteers North madarsha Union

SI No	Name	Ward No.	Training	Mobile no.
01	Jasmine Akhtar	1	Micking of signal	01823-313825
02	Nazmul Islam	1	Rescue	01817-225148
03	shahnaz Parveen	2	Rescue assistance	01815-136627

04	Jasim Akter	2	Warning assistance	-
05	Akhi Akhtar	3	Primary treatment	01811-537518
06	Javed Alam	3	Primary treatment	01811-709483
07	Mymona Khanam Maya	4	Relieve assistance	01817-764745
08	Najed Alam	4	Shelter	-
09	Shahida Sultana	5	Shelter assistance	-
10	Abdullah Al Mahmud	5	Relieve	-
11	Firdaus Begum	6	Primary treatment	01715-709173
12	Know Alam	6	Relieve	-
13	dolly Akhtar	7	Micking of signal	01815-851697
14	Shafiul Alam	7	Shelter	01813-872297
15	Shipra De	8	Rescue	01811-592428
16	Mohammad Yusuf	8	Shelter	-
17	Ruma Akhtar	9	Rescue	01811-871183
18	Nafees Iqbal	9	Primary treatment	-

List of volunteers Fathepur Union

SI No	Name	Ward No.	Training	Mobile no.
01	Rashedul Islam	1	Micking of signal	01837-209330
02	Yasmin Akhtar	1	Rescue	01820-169305
03	Jamal Uddin	2	Rescue assistance	01818-685606
04	Nur Ayesha	2	Warning assistance	01839-517081
05	Nurul Alam	3	Primary treatment	01715-709173
06	Parveen Akhtar	3	Primary treatment	01811-871183
07	Rudra Barua	4	Relieve assistance	01815-851697
08	Anup Barua	4	Shelter	01813-872297
09	Abdul Mannan	4	Shelter assistance	01811-592428
10	Ali Hossain	5	Relieve	01818-782991
11	Taiba Hossain	5	Primary treatment	01811-637329
12	Rehena Begum	5	Relieve	01834-248801
13	Md. Kaiser	6	Micking of signal	01813-275634
14	Sumi Akhtar	6	Shelter	-
15	Maruf Hossain	7	Rescue	01815-860508
16	Salma Akhtar	7	Shelter	01840-960596
17	Md: Hossain	8	Rescue	01815-845805
18	Jali Akhtar	8	Primary treatment	01823-935975

List of volunteers South Madarsha Union

SI No	Name	Ward No.	Training	Mobile no.
01	Abdullan Al Mamun	1	Micking of signal	-
02	Rowshan Akter	1	Rescue	01815-136399

03	Nur Mahmud	2	Rescue assistance	01811-200732
04	Nusrat Jahan	2	Warning assistance	01819-357175
05	Aminul Islam	3	Primary treatment	01914-053969
06	Nachima Akhtar	3	Primary treatment	01824-767835
07	Haji Akhtar Hossain	5	Relieve assistance	01819-630051
08	Mumtaj Begum	4	Shelter	01816-692381
09	Osman Haidar	4	Shelter assistance	01923-949438
10	Parveen Akhtar	5	Relieve	01915-932176
11	Abdullah Al Mamun	6	Primary treatment	01818-895716
12	Roxana Akhtar	6	Relieve	01829-062677
13	Nezam Uddin	7	Micking of signal	01815-551374
14	Laki Akter	7	Shelter	01817-799684
15	Mojaffar Ahmed	8	Rescue	01817-769692
16	Gulzar Begum	8	Shelter	-
17	Deb Kumar Nath	9	Rescue	01815-542973
18	Artist Dutta	9	Primary treatment	01925-498499

List of volunteers Shikarpur Union

SI No	Name	Ward No.	Training	Mobile no.
01	Jiku Akter	1	Micking of signal	-
02	Minu Das	1	Rescue	-
03	Raju Akhtar	2	Rescue assistance	01915-932176
04	Shafiul Alam	2	Warning assistance	01818-895716
05	Rashed	3	Primary treatment	01829-062677
06	Akhtar Begum	3	Primary treatment	-
07	Md: Nachher	5	Relieve assistance	01726-081272
08	Abdul Sabur	7	Shelter	-
09	Amena Begum	7	Shelter assistance	-
10	Hasibul Alam	9	Relieve	-
11	Nazrul Islam	9	Primary treatment	-

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Health Management Committee

List of health management committee in the table below:

Sl No	Name	Mobile No
1	Dr. Md. Mohiuddin	01554-325682
2	Dr. Sheikh Fazle Rabbi	01711-468326
3	Dr. Suman believe	01818-407677
4	Dr. Khursidul Alam	01711-310971
5	Dr. Taslima Begum	01711-100912
6	Sheikh Dr. Mohid	01711-227102
7	Dr. Nasim Hassan Choudhury	01726-081272
8	Dr. Md. Gias Uddin	01819-326090
9	Dr. Nazrul Islam Chowdhury	01712-836716
10	Dr. Meskatul Alam Rashidi	01819-065751
11	Dr. Sri Aurobindo Chakma	01556-620276
12	Dr. Hachhina Begam	01912-620714
13	Dr. Umme Kulsum	01712-820008
14	Dr. Mohammad Taufiq Shafiq	01716-590053
15	Dr. Debobrota Bhattacharya	01816-556917
16	Dr. Hossainia Akhtar Billah	01715-148404
17	Dr. Sharmin Akhtar	01922-706545

18	Dr. Umme Habiba	01617-276120
19	Dr. Mohammad Golam Rasul Ullah	01816-326747

Fire Safety Committee:

Fire Safety Committee list of Hathazari Upazila in the table below

Name of Fire station	Name	Designation	Mobile no.
Hathazari fire service and civil defense	Mahbubul Alam Chowdhury	Upazila Chairman	01818-568386
	Mr. Israt Jahan Panna	Upazila Nirbahi Officer	01838-672780
	Mr. Anwarul Islam	Project implementing officer	01970-110220
	Md. Nizam Uddin	Station Officer	01831-540499

Local Business:

Hathazari Upazila locally engaged in various professions in person below:

Name Union/Ward	Name of local businessman	Mobile no.
Hathazari upazila	Md: Kabir	01819-351882
Farhadabad Union	Md. Shahadat Hossain	01817-721880
Burirchar Union	Mohammad Ilyas	01816-236857
Shikarpur Union	Md. Mamun	01842-118059
Shikarpur Union	Md. Shahidul Islam	01819-625823
Dhalai Union	Md: Shafiul Alam	01845-690123
Dhalai Union	Md. Nazim Uddin	01935-136804
Hathazari upazila	Md. Selim	01813-882473
Gumanmardan union	Md. Anowar	01819-930784
Gumanmardan union	Md. Shah Alam	01815-853197
Nawabpur Union	Md. Selim	01717-747201
Nawabpur Union	Dr. samir Kanti Choudhury	-
Nawabpur Union	Noor Mohammad	018170743973
Nawabpur Union	Md. Monir Hossain	01817-495856
Fathepur	Mohammad Abu Bakkar	01814-119341
Chikondandi Union	Md. Shahidul Alam	01819-613541

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At a glance of Hathazari Upazila:

SI NO.	Area	201. 99 Km..	SI No.	Church	5
1	Union/sub-district	14 unions and 1	23	Idgah ground	54
2	Maujas	48	24	Bank	34
3	Village	59 t	25	Post office	25
4	Family	79189	26	Club	72
5	Total population	4, 30, and 053 people	27	Hat/Bazar	38
6	Men	2, 13, and 480 people	28	Place grave	486
7	Women	2, 15, 941 people	29	Crematory	45
8	Educational Institution	228	30	Chicken farm	42
9	Government Primary School	122	31	Industrial factory	-
10	Primary School Resi.	25	32	Deep tube-wells	285
11	Secondary School	43	33	shallow tube-wells	37840
12	College	05	34	Tube-wells	2
13	Madrasa, filing, Fazil, started under	21	35	River	1
14	University	1	36	Canal	37
15	CommunitySchool	02	37	Bill	-
16	% of education	46	38	Haowre	-
17	community clinics	31	39	Ponds	1849

18	Dam	1 dam almost 175 km.	40	Water	-
19	Sluice Gate	33	41	Road	206 What. me.
20	Bridge	204	42	Concrete road	146 km
21	Mosque	584	43	Mobile tower	-
22	Culverts	577	44	Play ground	38

Annuxure 6

List of Bangladesh Radio Broadcast on some important program

Radio center	Name of Program	Broadcast time	Name of day
Dhaka-Ka	Krishi Samachar	At 6:55 and 7:00	Every day
	Sukher Thikana	At 7:25 and 7:30	Every day
	Health is Wealth	At 11:30 12:00	Every day except on Friday
	Sonali Fashol	At 06:05 - 6:35	Every day
	The weather news	At 06:50 - 7:00	Every day
Chittagong	Krishi Katha	6:55 am-07:00	Every day
	Krishi Samachar	At 06:10 - 06:50	Every day
	Sukhi Sangshar	At 06:55 and 08:30	Every day
Rajshahi	Khet Khamar Samachar	06:55 am-07:10	Every day
	Green Bangla	At 06:05 and 06:50	Every day
Khulna	Health Information	06:55 am-07:00	Every day
	cultivation	At 06:10 - 06:50	Every day
Rangpur	Sukher Thikana	07:25 AM-07:30	Every day
	Khet Khamar	At 06:05 and 06:30	Every day
Sylhet	In today's cultivation	06:55 am-07:00	Every day
	Sukher Thikana	07:25 AM-07:30	Every day
	Shymol Sylhet	At 06:05 and 06:25	Every day except on Friday
Thakurgaon	Kishen Mati Desh	At 06:05 and 05:25	On Saturday, Monday and

			Wednesday
Cox's Bazar	In today's Agriculture	At 03:07 and 03:25	Every day
	Sonali Prantor	At 03:40 and 03:45	Tuesday and Thursday
Barisal	To agriculture	At 03:15 03:30	Every day except Saturday and Wednesday
	Small family	At 03:35 03:50	Monday, Wednesday and Friday every day except
Rangamati	Giboner Katha	At 01:40 and 01:55	Every day
	Khamar Bari	At 03:05 and 03:15	Every day



Development of Disaster Management Plan at Upazila Level

Upazila: Hathazari, District: Chittagong

Plan Developed by-
Upazila Disaster Management Committee,
Hathazari, Chittagong

Co-ordinate by:



GHARONI

July 2014

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Comprehensive Disaster Management Program
(CDMP-2)

Ministry of Disaster Management & Relief



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