



Upazila level Disaster Management Plan Development

Upazila -Sulla, District-Sunamganj

Plan developed by

Upazila Disaster Management Committee, Sulla, Sunamganj

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Upazila Disaster Management Plan Shulla Upazila 2014



Upazila Disaster Management Committee Shulla Upazila District: Sunamganj

Message from Upazila Chairman

Sunamganj district is known throughout the country as low land. 'Fishes, stones, rice are the soul of Sunamganj is universally recognized in the parable.

Shulla upazila under Sunamganj district surrounded by haor is highly disaster prone area. It is also known as the Ancient kalidaha Sea. Agriculture is the main livelihood option of the area. Various types of disaster are the main obstacle to the development here. Flash flood is the main disaster in this area. Apart from this, the significant disasters of this upazila are seasonal floods, storms, hailstorms, draught, etc.

“VARD is implementing Disaster Management (DM) Plan Project in Shulla upazila through the financial assistance of (CDMP) Phase-II. The Disaster Management Plan has been prepared on the basis of the opinions of Upazila Disaster Management Committee which are extremely realistic and timely. This plan will play an important role to reduce disaster risk of the area”, I believe.

I want to thank everyone involved in the disaster management plan and I wish for a successful implementation of Disaster Management Plan Project.



Gonendra Chandra Sarker
Chairman
Upazila Parishad
Shulla, Sunamganj
And
Chairperson
Upazila Disaster Management Committee
Shulla, Sunamganj



Message from Upazila Nirbahi Officer (UNO)

Due to the geographic location and climate, Bangladesh is one of the disaster-prone countries in the world map. Each districts of this country is affected by disaster more or less of the country. Sunamganj district is one of them. It is known throughout the country as low land. 'Fishes, stones, rice are the soul of Sunamganj is universally recognized in the parable. Shulla upazila under Sunamganj district sorrouned by haor is highly disaster prone area. It is also known as the Ancient kalidaha Sea. Agriculture is the main livelihood option of the area. Various types of disaster are the main obstacle to the development here. Flash flood is the main disaster in this area. Apart from this, the significant disasters of this upazila are seasonal floods, storms, hailstorms, draught, etc.

The main hazards of this area are flash flood and draught. Heavy rainfall in Meghalaya through the entering point of the Darain river causes flash flood in Shulla. It damaged paddy field of different haors of this upazila. Apart from this, the Darain river is filled up as a result of siltation. So, initiative to be taken to re-excavate this river. During flash flood, it is difficult to carry paddy from field for want of vehicle. In this regard, tractor can be introduced for this purpose. As the communication and sanitation system of this upazila are very poor, submersible roads, sluice gate at Katakhalı need to be constructed and community toilet need to be installed. Almost every year disaster hits every union of this upazila and adversely affects the livelihood of the people. It hampers different types of development initiatives. In spite of affecting this upazila with disaster every year, no disaster management plan is prepared yet at upazila level.

I am very glad to know that VARD is implementing Disaster Management (DM) Plan Project in Shulla upazila through the financial assistance of (CDMP) Phase-II. The Disaster Management Plan has been prepared on the basis of the opinions of Upazila Disaster Management Committee which are extremely realistic and timely. I believe this plan will play a vital role to reduce disaster risk of the area.

I express thanks and gratitude to UzDMC members, CDMP and VARD as they have prepared disaster management plan will play a vital role in disaster risk reduction. I wish for the successful implementation of DM Plan Project.

Mohammad Altaf Hossain
Upazila Nirbahi Officer
Shulla, Sunamganj
And
Co-chairperson
Upazila Disaster Management Committee
Shulla, Sunamganj



Message from Project Implementation Officer (PIO)

Shulla upazila contains 7 haors and 93 beels reserves inexhaustible teeming with fish. People of this upazila apply their indigenou knowledge to deal with the disaster is going to keep a positive role in tackling climate change like a little man trying to save himself in the sea. To accelerate their role more, VARD is implementing Disaster Management (DM) Plan Project in Shulla upazila through the financial assistance of (CDMP) Phase-II. The Disaster Management Plan has been prepared on the basis of the opinions of Upazila Disaster Management Committee which are extremely realistic and timely. I believe this plan will play a vital role to reduce disaster risk of the area.

From my point of view, Upazila Disaster Management Committee, through its Designated Persons discharging their respective duties disasters that can reduce significantly the amount of damage. This is why, the disaster management plan has the immense importance.

However, I want to thank everyone involved with the development of disaster management plans and wish for successful implementation of disaster management plan project

Md. Arshdul Alam
Project Implementation Officer
Shulla, Sunamganj
And
Member Secretary
Upazila Disaster Management Committee
Shulla, Sunamganj



Message from District Relief and Rehabilitation Officer (DRRO)

Sunamganj, situated at the foot of the Meghalaya, is a low lying, haor surrounded, green and under privileged district. Living with the natural disaster, people are trying to improve their living conditions at best. The glory of the beauty of nature in this area has occupied the position separately and the harshness of nature have repeatedly pushed the development trend. Shulla upazila under Sunamganj district sorrouned by haor is highly disaster prone area. It is also known as the Ancient Kalidaha Sea. Agriculture is the main livelihood option of the area. Various types of disaster are the main obstacle to the development here. Flash flood is the main disaster in this area. Apart from this, the significant disasters of this upazila are seasonal floods, kalbaishakhi jhar, hailstorms, draught, etc. Often deadly forms of natural disaster damage lives, wealth and environment. It affects not only the person or the community of a society, but also the national economic policy and irreplaceable resources. In order to reduce the risk of disasters and losses, first of all a proper plan is needed.

With the onset of statehood, VARD is implementing Disaster Management (DM) Plan Project in Shulla upazila through the financial assistance of (CDMP) Phase-II. The Disaster Management Plan has been prepared on the basis of the opinions of Upazila Disaster Management Committee which is extremely realistic and well-timed. The plan contains Local area identification, history of disaster, population, infrastructure, disaster, hazard and vulnerability, risk factors identification, identifying means of risk reduction, disaster management work plan, pre disaster preparedness, during disaster preparedness, post pisaster preparedness, during normal period/ risk reduction period, emergency response and rescue and rehabilitation. I believe this plan will play a vital role to reduce disaster risk of the area.

I express thanks and gratitude to UzDMC members, CDMP and VARD as they have prepared disaster management plan which will play a vital role in disaster risk reduction. I draw attention to the successful implementation of DM Plan Project.

Rajib Ahmed
District Relief and Rehabilitation Officer
Sunamganj
And
Member Secretary
District Disaster Management Committee
Sunamganj

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Chapter 1: Local Area Identification

1.1 Background

It is recommended to prepare disaster management action plan at district, upazila, municipality and city corporation level in Standing Order on Disaster (SOD) including risk reduction and contingency plan. CDMP have taken the matter of disaster management plan seriously. Long lasting and effectiveness of plan depends on profound and result oriented work process and participation of concern organizations, institutes and community. Disaster management plan has been prepared for 3-5 years.

Bangladesh is one of the disaster prone countries in the global map due to its geographical location and climate. Almost every district of this country affected by the disaster more or less. Sunamganj is one of the disaster prone district in Bangladesh. Sunamganj is haor surrounded and low lying district located beneath the Indian Meghalayan hills. It is under privileged and undeveloped district. This district is well known everywhere as a 'Vatir Desh'. The proverb is going on, 'Fish, stone and paddy are the soul of Sunamganj.

Shulla upazila of Sunamganj district is a very disaster prone area. Agriculture is the main livelihood option of the people of this area. The main obstacle of development of this area are different types of disasters. The main disaster of the area is flash flood. Beside this, seasonal flood, Kalbaishakhi jhar, hail storm, and draught are significant disaster of this upazila. Heavy rainfall and upstream from Meghalaya through the entering point of the Darain river causes flash flood in Shulla. In general, it hits either at the end of Chaitra or at the very beginning of Baishakh. It damage paddy field of different haors such as, Chhayar haor, Kaligotar haor, Gachherdohor haor, Beradohor haor, Baguyar haor, Bhandar haor and Porarpar haor of this upazila. Apart from this, the Darain river is filled up as a result of siltation. So, initiative to be taken to re-excavate this river. During flash flood, it is difficult to carry paddy from field for want of vehicle. In this regard, tractor can be introduced for this purpose. Seasonal flood is a very common and familiar phenomenon of Shulla upazila under Sunamganj district. It is occurred from Ashar to Ashwin in this area due to heavy rainfall and upstream from Meghalayas. It occurs widespread damage in the sector of agriculture, fishery, livestock, infrastructure, homes, education, health, trees etc. During the rainy season, the whole area full to the brim of water. Then, when we look at the area from away, every village seems to be as water hisin floating in the water. Then, it creates wave in the haor due to stormy wind resulting in homestead, roads, embankments etc. damage. Sometimes, men die by boat drowning as well. In Shulla upazila the vulnerability of Kalboishakhi Jhar is very high. Due to climate change and seasonal strong wind in Shulla Upazila generally at the end of the month Chaitra to first week of Jaisjthya there occurs Kalboishakhi Jhar. As a result Boro crop, home & homestead, cattle, birds, trees & plants and forest, electric cables & pillars and educational & religious institutes affected. At this death cases happens and food crisis occurs, boat & launch sunk caused death. At this time cattle food crisis also occurred. Draught is occurred from the month of Falgun to Baishakh in this area due to less rainfall, the level of ground water getting down and climate change. It damages boro crop, cattle, birds, trees & plants and forest. As a result food crisis occurs and cattle food crisis also

occurred. The communication system particularly there is no roads in this upazila. So, roads should be constructed in this area. Besides this, community toilet, sluice gate in Katakhal and earth place (matir killa) should be constructed. Almost every year disaster hits every union of this upazila and adversely affects the livelihood of the people. It hampers different types of development efforts and initiatives. In spite of affecting this upazila with disaster every year, no disaster management plan is reflected yet at upazila level. The Disaster Management Plan has been prepared for Shulla upazila as the part of overall disaster management.

1.2 Main Objective of Plan

- To create mass awareness on disaster risk at family and community level and to devise a realistic way in all types of risks reduction at family, society, Union Parishad, Upazila and district level administration.
- Local initiatives through the use of local resources as far as possible to implement the risk reduction and development measures.
- To practice and apply locally prepared plan for evacuation, rescue, need assessment, relief and immediate rehabilitation.
- To prepare strategic document for a certain area and a certain period of time.
- This plan will act as an overall plan for Disaster Management Committee and the relevant sector (government, international and national NGOs, donors, etc.).
- It provides guidance to relevant disaster management stakeholders in planning and implementation.
- To awaken active participation, effective partnerships and ownership in community disaster planning.

1.3 Local Area Identification

1.3.1 Geographical Location of the Upazila

Shulla upazila is situated in haor surrounded Sunamganj district under Sylhet division of the north-eastern part of Bangladesh. Khaliajuri upazila of Netrokona district is to the north-west, Derai upazila of Sunamganj district to the north-east, Ajmiriganj upazila of Hobiganj district to the south-east and Itna upazila of Kishoreganj district to the south-west of this upazila. The distance is 69 km. from the city of Sylhet to Sunamganj district and Shulla upazila is 63 km. far from Sunamganj district city. There are 6 rivers, 121 canals, 91.10 km. embankment and 137 km. roads in this upazila. The total area of this upazila is 263 square km. The nature of soil of this upazila is bisuues, bisuues loamy and loamy. Most of the homesteads are bisuues. The soil of agriculture land is bisuues loamy and loamy of which the power of fertility is high. Irrigation canal and pond shore are bisuues loamy soils and roads nature bisuues and loamy soil. There is no mineral resources in this upazila.

1.3.2 Area

The total area of Shulla upazila is 263 sq. km. The upazila includes 4 unions, 68 mouzas and 121 villages.

| Upazila | Name of Union | No. of Mouza | Name of Mouza |
|--------------|---------------|--------------|--|
| Shulla | Atgaon | 16 | Mirjapur, Nijgaon, Niyakotpur, Rahutola Borogaon, Yararabad, Kashipur, Bagmara, Shorifpur, Daudpur, Anondopur, Vatimahmudnagor, Putka, Atgaon, Sompur & Kholagaon. |
| | Bahara | 16 | Purarpar, Protappur, Loxmipasha, Pachborma, Rupsha, Sodhankhola, Batgaon, Piruzpur, Mosapur, Meda, Gungiargaon, Dumra, Kandokhola, Gungiarchak, Muktarpur & Sultanpur. |
| | Habibpur | 19 | Niyamothpur, Joypur, Chakuya, Kashipur, Habibpur, Noyagaon, Putka, Kolapara, Jatgoan, Brahmongaon, Narkila, Chhatrish, Moshakoli, Soreshpur, Bilpur, Dattapara, Aguyai, Pochim Niyamothpur & Narayonpur. |
| | Shulla | 17 | Kandigaon, Yarabad, Keruhala, Adityapur, Gohayani, Islampur, Gobindopur, Ruya, Nowagaon, Chobbisha, Sohdebpur, Monuya, Shrehail, Momenpur, Hosenpur, Baramohna & Shulla. |
| Total | 04 | 68 | |

Source: Upazila Land Office, Shulla

1.3.3 Population

The total population of Shulla upazila is 113743 of which 57316 are male and 56427 are female.

| Name of Union | Male | Female | Child (0-15) | Aged (60+) | Disable | Total Population | Household | Voter |
|---------------|--------------|--------------|--------------|-------------|-------------|------------------|--------------|--------------|
| Atgaon | 15962 | 15504 | 13467 | 2391 | 336 | 31466 | 5485 | 19438 |
| Bahara | 13739 | 13776 | 10043 | 2531 | 552 | 27515 | 5084 | 17649 |
| Habibpur | 14795 | 14739 | 13054 | 2569 | 246 | 29534 | 5379 | 18318 |
| Shulla | 12820 | 12408 | 10268 | 2094 | 233 | 25228 | 4351 | 15501 |
| Total | 57316 | 56427 | 46832 | 9585 | 1367 | 113743 | 20299 | 70906 |

Source: Population Census, 2011, Department of Social welfare, Sunamganj, District Election Commission, Sunamganj.

1.4 Infrastructure and non Infrastructure

1.4.1 Infrastructure

Embankments

There are 9 embankments in Shulla upazila of which a total length of 91.10 km. The embankments are Chhayar haor embankment, Kaligutar embankment, Bhandar embankment, Gachherdohor embankment, Beradohor embankment, Baguya embankment, Purarpar embankment, Monua embankment & Kankona-Dharainnodi-tajpur embankment. The average height of the embankments are R.L. i.e, reduce level from 5.5-6 meter. The embankments damaged more or less in the rainy season every year. That's why. It requires repairing. **Source: Bangladesh Water Development Board, Sunamganj.**

Sluice Gate

There are 3 sluice gates in a haor of Shulla upazila. The first one is constructed on the Chamti river of Royar Haor, the second one is on the Darain river of Rotonkhali under Atgaon Union and the third one is on the Mahoti Darain river of Bahara Union. Among them, The first two sluice gates are active and the third sluice gate is inactive. **Source: Bangladesh Water Development Board, Sunamganj.**

Bridge

Shulla upazila has a total of 6 bridges. These are under Local Government and Engineering Department (LGED). Among them 6 are RCC bridges. Five bridges are active in condition. The Gunjiargaon bridge is under construction. The list of bridges of Shulla upazila is as follows:

| Sl. No. | Name of Bridges | Location | Active/ Inactive | Remarks |
|---------|--|-----------------------|------------------|---|
| 1. | Angaura (Milon Bazar to Gungiargaon) | Angaura canal | Active | |
| 2. | Gungiargaon (Milon Bazar to Gungiargaon) | Darain river | - | The Gungiargaon bridge is under construction. |
| 3. | Bahara (Gungiargaon Bazar to Bahara) | Darain river | Active | |
| 4. | Anandapur (Milon Bazar to Gungiargaon) | Anandapur canal | Active | |
| 5. | Roghunathpur (Hobibpur UP to Roghunathpur) | Roghunathpur canal | Active | |
| 6. | Shulla (Gungiargaon to Shulla Bazar) | Canal of Shulla Bazar | Active | |

Source: Local Government and Engineering Department (LGED), Shulla.

Culvert

There are a total of 62 culverts in Shulla upazila. These are under Local Government and Engineering Department (LGED). 39 culverts are active out of 62 culverts. The rest of 23 culverts are inactive. **Source: Local Government and Engineering Department (LGED), Shulla.**

Road

Shulla upazila has a total of 137 km. Among them, there are 2.72 km. RCC roads, and 134.28 km. fider road. But there are no HBB roads in this upazila. The average height of the roads is 4 feet. Needs to be mentioned here that, no roads of the upazila are flood risk free. **Source: Local Government and Engineering Department (LGED), Shulla.**

Irrigation System

There is no deep tube well in Shulla upazila. This upazila has a total of 1521 shallow tube wells or shallow machine. Among those, 11 are electric and 1510 are diesel tube wells. Apart from this, there is no LLP (Low Leap Pump) in this upazila and there is no hand tube well in this upazila. But there are some traditional irrigation machines. These are Don and Seuty. Here are approximately 3000 don and seuti through which 5033 hectares of agricultural land are irrigated. In Shulla upazila, 13837 hectares land is under irrigation out of 22713 hectares of agricultural land. Huge number of agriculture (8876 hectares) land is still out of irrigation. **Source: Department of Agricultural Extension, Shulla.**

Hat bazar

There are a total of 9 Hat bazaars in Shulla upazila. These are located at 4 Union of this upazila. These take place on different day of the week. There are 1040 shops and 9 associations in 9 hat bazaar. The list of hat bazaar of Shulla upazila is added at Annexure 10. **Source: Upazila Statistics Office, Shulla.**

1.4.2 Social Resource

Homes

Shulla upazila have seen a variety of homes. Among them, hut, building, semi-brick house, and tin houses are significant. Hut homes are usually made with clay, tin, bamboo, ikar, bamboo, etc. The building house is made of bricks, sand, cement, rods, stones etc. Besides, the semi-brick house is made of bricks, sand, cement, rod and tin. Besides, chhaner houses and tin houses are made with bamboo, tin, ikar fence, wood and iron. Needs to be mentioned here that, Shulla upazila has a total of 37288 homes. Among them, 33623 homes are hut and 3665 are building. **Source: District Statistical Office, Shulla.**

Water

The main sources of drinking water in this upazila are tube well, rivers, canal, beels and ponds. There are a total of 2109 tube wells in this upazila. Among them, 2070 tube wells are active and 39 tube wells are inactive. 115 tube wells were placed above the flood level. As a result, these tube wells remain suitable for use during flooding period. Needs to be mentioned here that, 55% people of Shulla upazila use tube well water. **Source: Department of Public Health and Engineering, Shulla.**

Sewerage system

There are a total of 18225 latrines in Shulla upazila. Among them, 16940 hanging latrines and 1285 sanitary latrines. It is noteworthy that 3816 families of this upazila do not use any types of latrine, i.e, they excrete here and there. 20 latrines out of 1285 latrines are placed above the flood level. As a result, these latrines remain suitable for use during flooding period. It is remarkable that 23.82% people of Shulla upazila use sanitary latrine. **Source: Department of Public Health and Engineering, Shulla.**

Educational institutions / libraries

In Shulla upazila, 18577 students are studying under 480 teachers in 128 government and private educational institutes. Among them, there are 103 government primary school, 11 high school, 2 madrasa, 9 BRAC school and 2 private colleges in this upazila. 12906 students are studying under 369 primary school teachers in 103 Govt Primary School. Besides, 4020 students are studying under 69 teachers in 11 High School. 766 students are studying under 14 teachers in 2 Madrasa. On the other hand, in 2 Colleges, 402 students are studying under 13 teachers and BRAC school, 270 students are studying under 9 teachers. There is a community school in this Upazilla. 150 students are studying under 3 teachers in this community school. The list of educational institutes of Shulla upazila is added at Annexure 11. **Source: Upazila Primary Education Office and Upazila Secondary Education Office, Shulla**

Religious institutions

There are a total of 85 religious institutions in Shulla upazila. Among them, 47 are mosques, 38 temples and there are no churches. **Source: Upazila Statistics Office, Shulla.**

Religious gathering place (Eidgah)

There are a total of a total of 5 religious gathering places (Eidgah) in Shulla upazila. These are located at Gungiyargoan, Shulla, Nasirpur, Mirjapur and Uzangaon of this upazila. **Source: Upazila Statistics Office, Shulla.**

Health Care

There are 1 Upazila Health Complex, 2 health and family welfare centres and 13 community clinics in Shulla upazila. There is no private health care center here. Upazila Health Complex is located at upazila head quarter under Atgaon union. Here are three doctors and 5 nurses. The list of health care center of Shulla upazila is added at Annexure 12. **Source: Upazila Health Complex, Shulla.**

Bank

There are a total of 3 banks in Shulla upazila. All banks, such as, Sonali Bank Bangladesh Krishi Bank and Grameen Bank are situated at Gungiyargaon. Banks provide service here loan, business loans, credit, deposits, etc. **Source: Upazila Statistics Office, Shulla.**

Post Office

There are a total of 4 Post Office in Shulla upazila. Post offices are located at Gungiyargaon, Anondopur, Shulla and Shreehail. Post offices here provide services on exchanging letters and parcels, sales revenue and judicial stamps, postal order, money transfer, etc. **Source: Post Office, Shulla.**

Club / cultural center

There are a total of 2 Club / cultural centers in Shulla upazila. These are located at Atgaon Union and Habibpur Union of this upazila. Club / cultural centers here assist in different types of social welfare and development activities. **Source: Upazila Statistics Office, Shulla.**

NGO/Voluntary Organizations

| Sl. No. | Name of NGO | Project/ Activities | No.of Beneficiaries | Project Duration |
|---------|---|--|---------------------|--------------------------|
| 1. | ERA | Sharique-good governenc. | 3500 | 2006- 2021 |
| 2. | BRAC | WASH (Water, Sanitation and Hygiene), | 2200 | Feb'12- Dec'15 |
| | | Education program | 270 | Feb'13- Dec'15 |
| 3. | ASA | Micro credit | 1800 | Continued |
| 4. | DASCOH Bangladesh | Water & Sanitation | 3500 | Jan'11- Dec'15 |
| 5. | IDEA | Agriculture assistance (Trainig & awarnes) | 1100 family | Nov'13- Jun'14 |
| 6. | Islamic Relief | ECCADR Project | 400 family | Jul'13-Jun'16 |
| 7. | Friends In Village Development Bangladesh (FIVDB) | MNHI (Mother & Child) | 55399 | May'13- Oct'15 |
| 8. | Grameen Bank | Micro credit | 4700 | Continued since May,1990 |

Playground

There are total of 3 playgrounds in Shulla upazila. The playing fields are located at Gungiyargaon, Anondopur and Paharpur. Among them, Gungiyargaon playground is placed above the flood level. As a result, People and livestock can take shelter in the field during flooding period. **Source: Upazila Statistics Office, Shulla.**

Cemetery / Crematorium

There are a total of 16 Grave yards and 12 Crematoriums in Shulla upazila. These are located at 4 Union of this upazila. As most of grave yard are located at above of the flood level, it is easy to bury death bodies during rainy season. On the contrary, most of crematorium situated at the lower level of the flood, it is difficult to dispose death bodies during rainy season. **Source: Upazila Statistics Office, Shulla.**

Communication and transportation

In Shulla upazila, the means of communication is motorcycle, van, bhotbhoti, boat, engine boat etc. People of this area travel one place to another place through above vehicles. There are 25 boats, 45 vans, 75 motorcycles, 15 bhotbhotis, 175 engine boats in Shulla upazila. **Source: Upazila Statistics Office, Shulla.**

Forests and forestry

There are 5 km strip gardening (forest) in Shulla upazila. Different types of trees contain in this forest, such as, mehogoni, hizol, kodom, acacia, rain tree, arjun, berry, jackfruit trees, etc. Also, people of the area plant saplings around the house. **Source: Forest Ranger, Sunamganj.**

1.4.3 Weather and Climate

Trend of rain

If we analyze the trend of rain of Shulla upazila, it is found that average quantity of daily rainfall is all the same. The average annual rainfall is 4055 mm. It is rain in this area throughout the year. From May to September the rainfall is very high. Winter rainfall is very low. The average rainfall is 1220 mm. in summer, 2300 mm. in rainy season and 535 mm. in winter. It is a need for more research on this matter whether the changing trend of rainfall is an indication of climate change. As the trend of rainfall is changed, it delay for monsoon rain. Because of the changes in rainfall during the monsoon, has resulted in some changes in the agricultural system, and the product is less than the cost of production. Crops affected by the diseases more and also insect attacks more. It has a negative influence on the livelihood of the people. **Source: Department of Agricultural Extension, Shulla.**

Temperature

In Shulla upazila, the hieghst temperature is 38 degrees centigrade and lowest temperature is 28 degrees centigrade in summer and the maximum temperature is 20 degrees centigrade and minimum temperature is 11 degrees centigrade in winter. The temperature of the area is going to change i.e, the temperature of the area is increased day by day. Especially over the past 7-8 years, the temperature has increased so much that the people being affected normal life. **Source: Department of Agricultural Extension, Shulla.**

Underground water level

In Shulla upazila, the level of underground water is usually 585 feet below. Going to notice a change in the level of underground water. Earlier, the level of underground water was 320 to 350 feet below. Since underground water level is getting down during the dry season, there is a shortage of drinking and irrigation water in this area. **Source: Department of Agricultural Extension, Shulla.**

1.4.4 Other

Land and land use

Shulla upazila has a total of 28283 hectares land. Among them, the amount of arable and uncultivated lands are 22713 hectares and 5571 hectares respectively. Among the arable land, mono crop land is 17212 hectares and two crop lands are 5500 hectares. But there are no tri crop lands in this upazila. Besides, the amount of the settlement area of 106 hectares of the total land area. **Source: Department of Agricultural Extension, Shulla.**

Agriculture and Food

The main crops of Shulla upazila are rice (Boro and Aman), potato and vegetables. The upazil's cultivated agricultural land and production figures (February, 2014) are as follows:

| Sl. No. | Name of crops | Cultivate Lands (Hectares) | Production (Metric Tonnes) | Remarks |
|---------|---------------|----------------------------|----------------------------|---------|
| 1. | Boro | 17212 | 84260 | |
| 2. | Aman | 650 | 850 | |
| 3. | Potato | 40 | 160 | |
| 4. | Vegetables | 50 | 116 | |

Although the flood hits every year in this area, flash flood in 2010 were more devastating. Crops of 15984 hectares land were damaged (full) and crops of 4916 hectares land were damaged (partial). Others hand, 11753 hectares land damaged as reason in 1999 flash flood and as the reason of that 3713 hectares land damaged somely. The main foods of this area are rice, fish and vegetables. **Source: Department of Agricultural Extension, Shulla.**

River

There are 6 rivers flowing through Shulla upazila. The rivers are the Darain, the Kalni, the Chamti, the Kushiya, the Andarain and the Kazua. The rivers playing a vital role in the development of the area. The cost of transportation of goods is less. Sand, stones and the fish are going to carry within a very short time from one place to another place. But, river erosion and siltation have a negative impact on the lives and livelihood of the community people. In terms of injury every year is going to have some land to erosion. Some rivers are filled with silt. This is reducing the amount of arable land is decreasing river navigability. **Source: Bangladesh Water Development Board, Sunamganj.**

Ponds

There are 236 ponds in Shulla upazila. Huge sums of money are earned every year by selling fish from the pond which is playing a leading role in the social development. **Source: Upazila Fishery Office, Shulla.**

Canal

There are 121 canals flowing through Shulla upazila. Different types of fish found in the canals. In addition, the water of the canals is used for irrigation. **Source: Upazila Fishery Office, Shulla.**

Beel

There are 93 beels in Shulla upazila. Among them, 43 beels are above 20 acre and 47 beels are less than 20 acre and open 3 beels. Different types of fish found in the beels. Huge sums of money are earned every year by selling fish from the beels which is playing a leading role in the social development. Besides, the water of the beels is used for irrigation. It helps to create employment opportunity and meet the demand of nutrition. The beels are the fields of different birds. The list of beels of Shulla upazila is added at Annexure 13. **Source: Upazila Fishery Office, Shulla.**

Haor

There are 7 haors in Shulla upazila. These are Chhayar haor, Kaligotar haor, Gachherdohor haor, Beradohor haor, Bagua haor, Vandar haor and Porarpar haor. The area of Chhayar haor is 3400 hectares, Kaligotar haor 3300 hectares, Gachherdohor 1713 hectares, Beradohor haor 3067 hectares, Bagua haor 2173 hectares, Vandar haor 1400 hectares and Porarpar haor are 2793 hectares respectively. Different types of fishes found in the haor in rainy season and Boro paddy is cultivated during boro season. Haor also plays an important role in communication during rainy season. **Source: Department of Agricultural Extension, Shulla.**

Arsenic pollution

Arsenic contamination levels are 0.1% in Shulla upazila. Arsenic contamination is found in 6 tubes well (0.284%) of this upazila. All of them have been marked in red ink. People of this area are not using those marked tube wells' water. So there is no arsenic disease in the area. **Source: Department of Public Health and Engineering, Shulla.**

Chapter 2: Disaster, Hazard and Vulnerability

2.1 Overall History of Disaster

Shulla, situated at the foot of the Meghalaya, is a low lying, haor surrounded, green and under privileged upazila. It is a very disaster prone area. Agriculture is the main livelihood option of the people of this area. The main obstacle of development of this area is different types of disasters. The main disaster of the area is flash flood. Beside this, seasonal flood, kalbaishakhi jhar, hail storm and draught are remarkable disaster of this upazila as well.

Natural calamities are the common phenomenon of this upazila. It happens throughout the year. The weather and climate of this area is going to be extreme day by day. Due to climate change natural disaster hits in this area frequently. It hampers the bio-diversity and causes change of people profession. The most alarming point is that the common people have lost their means of livelihood. The vulnerable people, who are insecure to the nature have no pre preparedness, they are the main victim of disaster.

Heavy rainfall and upstream water from Meghalaya through the entering point of the Darain river causes flash flood in Shulla. It damaged paddy field of different haors such as, Chhayar haor, Kaligotar haor, Gachherdohor haor, Beradohor haor, Baguyar haor, Bhandar haor and Porarpar haor of this upazila. In general, it hits either at the end of Chaitra or at the very beginning of Baishakh. Apart from this, the Darain river is filled up as a result of siltation. So, initiative to be taken to re-excavate this river. During flash flood, it is difficult to carry paddy from field for want of vehicle. In this regard, tractor can be introduced for this purpose. Seasonal flood is a very common and familiar phenomenon of Shulla upazila under Sunamganj district. It is occurred from Ashar to Ashwin in this area due to heavy rainfall and upstream from Meghalayas. It occurs widespread damage in the sector of agriculture, fishery, livestock, infrastructure, homes, education, health, trees etc. Though it occurs every year, seasonal flood of 2004 and 2007 were devastating. During the rainy season, the whole area full to the brim of water. Then, when we look at the area from away, every village seems to be as water hisin floating in the water. Then, it creates wave in the haor due to stormy wind resulting in homestead, roads, embankments etc. damage. Sometimes, men die by boat drowning as well. In Shulla upazila the vulnerability of Kalboishakhi Jhar is very high. Due to climate change and seasonal strong wind in Shulla Upazila generally at the end of the month Chaitra to first week of Jaisjthya there occurs Kalboishakhi Jhar. As a result Boro crop, home & homestead, cattle, birds, trees & plants and forest, electric cable & filler and educational & religious institutes affected. At this death cases happens and food crisis occurs, boat & launch sunk caused death. At this time cattle food crisis also occurred. The vulnerability of hail storm is very high in Shulla. Due to climate change and seasonal strong wind in Shulla Upazila generally from the month of Chaitra to Kartik there occurs hail storm. As a result Boro crop, seedbed, vegetables, fruites and homes are affected. It is noteworthy that 519 hectares boro paddy fully and 3713 hectare boro paddy somely are damaged by the hail storm occurred in 1998. In addition, 2327 hectare boro paddy somely are damaged by the hail storm occurred in 2011.

Draught is occurred from the month of Falgun to Baishakh in this area due to less rainfall, the level of ground water getting down and climate change. It

damages boro crop, cattle, birds, trees & plants and forest. As a result food crisis occurs and cattle food crisis also occurred. The communication system particularly there is no roads in this upazila. So, roads should be constructed in this area. Besides this, community toilet, sluice gate in Katakhal and earth place (matir killa) should be constructed.

In the past the flood waters were flowing above 33 cm of danger and it was still for 30 days. Heavy rainfall in Meghalaya through the entering point of the Darain river causes seasonal flood in Shulla in rainy season. People usually are already experiencing hardship and inconvenience to the communication difficulties, problems of food, shelter, emergency medical care, lack of employment and restlessness etc. 7019 homes (partial), 3793 homestead (partial), 27 religious institutions (partial) and 13 km. road (partial) are affected by seasonal flood occurred in 2004. Almost every year disaster hits every union of this upazila and adversely affects the livelihood of the people. It hampers different types of development efforts and initiatives.

| Name of Disaster | Year | Quantity of loses | Which Sectors/ Elements Damaged |
|------------------|-------------|--|---|
| Flash flood | 1999 & 2010 | <p>Crops of 15984 (70.37%) hectares land damaged fully and 4916 hectares land (21.64%) boro paddy damages somely, 27 km. (19.7%) road and 19 (20.85%) embakments (partial) are affected by flash flood occurred in 2010.</p> <p>Crops os 11753 hectares (51.74%) land damaged fully, 3713 hectares (16.34%) boro paddy damages somely and 13 k.m. (9.48%) Road are affected (partial) by flash flood occurred in 1999.</p> | Roads, bridges, culverts, homes, seedlings, crops, livestocks, educational institutes, religious institutes, trees, embankments and business enterprises are damaged. |
| Seasonal flood | 2004 & 2007 | In 2004, the total amount of 11592 (31.8%) homes (Somely), 13 k.m. (9.48%) road (Somely), 54 k.m. (59.27%) embankments, 11(8.59%) educational institutes, and 27 (31.76%) religious institutes (somely) 4868 trees, 100 (4.74%) tube well and 1285 (7.5%) latrine are damaged. | Roads, bridges, culverts, homes, seedlings, crops, livestocks, educational institutes, religious institutes, trees, embankments and business enterprises are damaged. |

| Name of Disaster | Year | Quantity of loses | Which Sectors/ Elements Damaged |
|-------------------|-------------|--|--|
| | | <p>In 2007, the total amount of 5153 (13.81%) homes (fully), 3513 (9.42%) homes (somely) 22 (25.88%) religious institutes (somely) are damaged. More over 7 people (0.006%) died.</p> | |
| Kalbaishakhi jhar | 2010 & 2014 | <p>In 2010, 460 (1.20%) homes (fully) and 1219 (3.26%) homes (somely), 132 trees are damaged, 5 (3.9%) educational institutes, 5 (5.88%) religious institutes, 11 (0.06%) latrine damaged and 6 electric cables and pillars are damaged.</p> <p>In 2014, 319 (0.85%) homes (fully) and 1921(5.14%) homes (somely) and 3 (3.52%) religious institutes (somely) are damaged.</p> | Homes, crops, livestock, educational institutes, religious institutes, trees, and electric cables and pillars are damaged. It results in food crisis, boat and launch drowning and lack of food for cow. |
| Hail storm | 1998 & 2011 | <p>In 1998, 519 hectares (2.28%) boru paddy fully damaged reason for rain storm and 3713 hectare (16.34%) boru paddies somely are damaged. In 2011, 2327 hectares (10.24%) boru paddy somely damaged reason for rain storm.</p> | Boro crops, vegetable, fruits, homes cattle and birds. |
| Draught | 2011 & 2013 | <p>In 2011, 4137 hectares (18.21%) boru paddy somely damaged reason for draught.</p> <p>In 2011, 2319 hectares (10.21%) boru paddy somely damaged reason for draught.</p> | Boro crops, trees, forest, cattle and birds. For that lack of food for cattle. |

2.2 Hazards of District/Upazila

| Sl. No. | Hazard | Priority | Ranking |
|---------|-------------------|-------------------|-----------------|
| 1. | Flash flood | Flash flood | 1 st |
| 2. | Kalbaishakhi jhar | Seasonal flood | 2 nd |
| 3. | Hail Storm | Kalbaishakhi jhar | 3 rd |
| 4. | Seasonal flood | Hail Storm | 4 th |
| 5. | Drought | Draught | 5 th |

2.3 Different Types of Hazards and its Present and Future Aspect

Flash flood: Shulla upazila under Sunamganj district is a very disaster prone area. The main disaster of the area is flash flood. Flash flood occurred in Shulla due to heavy rainfall and upstream water from Meghalayan Hills. The entering point of it is the Darain river of Shulla Upazila. In general, it hits either at the end of Chaitra or at the very beginning of Baishakh. It damaged boro paddy, the main crops of this upazila of Chhayar haor, Kaligota haor, Gachherdohor haor, Beradohor haor, Bagua haor, Vandar haor and Purarpar haor which hampers the agricultural production.

Flash flood occur widespread damage in the sector of agriculture, fishery, infrastructure, home, education, communication etc. It has a negative impact on the livelihood of the people. Crops of 11753 hectares land fully, crops of 3713 hectares land (partial) and 13 k.m. road are affected (partial) by flash flood occurred in 1999. Crops of 15984 hectares land fully, crops of 4916 hectares land (partial), 27 k.m. road and 19 km. embankment (partial) are affected by flash flood occurred in 2010. Though it occurs every year, flash flood of 1999 and 2010 were devastating. The quantity of union wise damages by the flash flood occurred in 2010 is as follows:

Atgaon Union

In Atgaon union of Shulla upazila, boro crops of 4190 hectares (fully) and 966 hectares (partial) land, 9 km road, 7 k.m. embankment (partial) are affected by flash flood occurred in 2010. As a result, 2468 farmers family are affected directly and indirectly.

Bahara Union

In Bahara union of Shulla upazila, boro crops of 3584 hectares (fully) and 1420 hectares (partial) land, 5 km road, 3 k.m. embankment (partial) are affected by flash flood occurred in 2010. As a result, 2796 farmers family are affected directly and indirectly.

Hobibpur Union

In Hobibpur union of Shulla upazila, boro crops of 3960 hectares (fully) and 1180 hectares (partial) land, 6 km road, 4 k.m. embankment (partial) are affected by flash flood occurred in 2010. As a result, 2420 farmers family are affected directly and indirectly.

Shulla Union

In Shulla union of Shulla upazila, boro crops of 4250 hectares (fully) and 1350 hectares (partial) land, 7 km road, 5 k.m. embankment (partial) are affected by flash flood occurred in 2010. As a result, 2610 farmers family are affected directly and indirectly.

In future, flash flood may happen frequently due to climate change. In this time, crisis of cow feed may happen, employment opportunity for day labor may be reduced and business may be fallen. In future, the quantity of union wise damages may be happened by the flash flood in Shulla upazila is as follows:

Atgaon Union

If flash flood occurs in Shulla upazila due to heavy rainfall and the flashing water from Meghalayan hills or flash flood like 2010 hits in Atgaon union, it may damage boro crops of 4573 hectares (fully) and 1255 hectares (partial) land, 13 km. road (partial), 15 km. embankments (partial). As a result, 3665 farmers' family may be affected directly and indirectly.

Bahara Union

If flash flood occurs in Shulla upazila due to heavy rainfall and the flashing water from Meghalayan hills or flash flood like 2010 hits in Bahara union, it may damage boro crops of 3823 hectares (fully) and 1670 hectares (partial) land, 6 km. road (partial), 8 km. embankments (partial). As a result, 3518 farmers' family may be affected directly and indirectly.

Hobibpur Union

If flash flood occurs in Shulla upazila due to heavy rainfall and the flashing water from Meghalayan hills or flash flood like 2010 hits in Hobibpur union, it may damage boro crops of 4372 hectares (fully) and 1620 hectares (partial) land, 7 km. road (partial), 9 km. embankments (partial). As a result, 3334 farmers' family may be affected directly and indirectly.

Shulla Union

If flash flood occurs in Shulla upazila due to heavy rainfall and the flashing water from Meghalayan hills or flash flood like 2010 hits in Shulla union, it may damage boro crops of 4752 hectares (fully) and 1480 hectares (partial) land, 9.5 km. road (partial), 11 km. embankments (partial). As a result, 3480 farmers' family may be affected directly and indirectly.

Seasonal flood: Seasonal flood is a very common and familiar phenomenon of Shulla upazila under Sunamganj district. In the rainy season; it is occurred from Ashar to Ashwin in this area due to havy rainfall and flashing water from Meghalayas. During the rainy season, the whole area full to the brim of water. Then, when we look at the area from away, every village seems to be as water hisin floating in the water. Then, it creates wave in the haor due to stormy wind resulting in homestead, roads, embankments etc. damage. Sometimes, men die by boat drowning as well. It occurs widespread damage in the sector of agriculture, fishery, livestock, infrastructure, homes, education, health, trees etc. Though it occurs every year, seasonal flood of 2004 and 2007 were devastating. In 2004, the total amount of 11592 homes (Somely), 13 km. road (Somely), 54 km. embankments, 11educational institutes, and 27 religious institutes (somely) 4868 trees, 100 tube well and 1285 latrine damaged. In 2007,

the total amount of 5153 homes (fully), 3513 homes (somely), 22 religious institutes (somely) are damaged. More over 7 people died.

It occurs widespread damage in the sector of agriculture, fishery, livestock, infrastructure, homes, education, health, trees etc. It causes water born disease for want of safe water, livestock affects with different diseases, crisis of living places and cow feed and livestock also die. Besides this, it is difficult to bury death body in this period. Though it occurs every year, seasonal flood of 2004 and 2007 were more devastating. The quantity of union wise damages by the seasonal flood occurred in 2004 is as follows:

Atgaon Union

In Atgaon union of Shulla upazila, the total amount of 3253 homes (Somely), 4 km. road (Somely), 11km. embankments, 5 educational institutes, 7 religious institutes (somely) 2127 trees, 29 tube well and 320 latrine are damaged by seasonal flood occurred in 2004. As a result, 2194 farmers family are affected directly and indirectly.

Bahara Union

In Bahara union of Shulla upazila, the total amount of 2576 homes (Somely), 3 km. road (Somely), 14 km. embankments, 1 educational institutes, 6 religious institutes (somely) 541 trees, 21 tube well and 327 latrine are damaged by seasonal flood occurred in 2004. As a result, 2287 farmers family are affected directly and indirectly.

Hobibpur Union

In Hobibpur union of Shulla upazila, the total amount of 2571 homes (Somely), 2 km. road (Somely), 17 km. embankments, 2 educational institutes, 6 religious institutes (somely) 1225 trees, 23 tube well and 324 latrine are damaged by seasonal flood occurred in 2004. As a result, 3496 farmers family are affected directly and indirectly.

Shulla Union

In Shulla union of Shulla upazila, the total amount of 3192 homes (Somely), 4 km. road (Somely), 12 km. embankments, 3 educational institutes, 8 religious institutes (somely) 975 trees, 27 tube well and 314 latrine are damaged by seasonal flood occurred in 2004. As a result, 3045 farmers family are affected directly and indirectly.

As rivers and paddy fields are filled with silt, in future, seasonal flood may happen frequently due to climate change and it may be devastating. The Amon crops, vegetables, homes & homestead, roads, trees, educational and religious institutes may be damaged by seasonal flood. It may cause water born disease for want of safe water, livestock may affect with different diseases, crisis of living places and cow feed and livestock may die. Employment opportunity for day labor may be reduced and business may be fallen. In future, the quantity of union wise damages may be happened by the seasonal flood in Shulla upazila is as follows:

Atgaon Union

If seasonal flood occurs in Shulla upazila due to heavy rainfall and upstream water from Meghalayan hills or seasonal flood like 2004 hits, in Atgaon union, 3541 homes, 7 km. road (partial), 14 km. embankments, 7 educational

institutions, 15 religious institutions (partial), 2529 trees, 98 tube well and 5400 latrine may be affected by seasonal flood. As a result, 5485 farmer families may be affected directly and indirectly.

Bahara Union

If seasonal flood occurs in Shulla upazila due to heavy rainfall and upstream water from Meghalayan hills or seasonal flood like 2004 hits, in Bahara union, 2731 homes, 5 km. road (partial), 16 km. embankments, 3 educational institutions, 9 religious institutions (partial), 753 trees, 43 tube well and 4108 latrine may be affected by seasonal flood. As a result, 5084 farmer families may be affected directly and indirectly.

Hobibpur Union

If seasonal flood occurs in Shulla upazila due to heavy rainfall and upstream water from Meghalayan hills or seasonal flood like 2004 hits, in Hobibpur union, 2953 homes, 8 km. road (partial), 20 km. embankments, 3 educational institutions, 7 religious institutions (partial), 1373 trees, 51 tube well and 4541 latrine may be affected by seasonal flood. As a result, 5379 farmer families may be affected directly and indirectly.

Shulla Union

If seasonal flood occurs in Shulla upazila due to heavy rainfall and upstream water from Meghalayan hills or seasonal flood like 2004 hits, in Shulla union, 3531 homes, 6 km. road (partial), 19 km. embankments, 5 educational institutions, 5 religious institutions (partial), 1221 trees, 59 tube well and 4100 latrine may be affected by seasonal flood. As a result, 4351 farmer families may be affected directly and indirectly.

Kalboishakhi Jhar (storm hit): In Sunamganj district the vulnerability of Kalboishakhi Jhar is very high. Due to climate change and seasonal strong wind in Shulla Upazila generally at the end of the month of Chaitra to Boishakh there occurs Kalboishakhi Jhar. As a result, Boro crop, home & homestead, cattle, birds, trees & plants and forest, electric cable & pillar and educational & religious institutes affected. At this death cases happen and food crisis occurs, boat & launch sunk caused death. At this time cattle food crisis also occurred.

Due to Kalboishakhi Jhar Boro crop, home & homestead, cattle, birds, trees & plants and forest, electric cable & filler and educational & religious institutes are affected. In each year kalboishakhi jhar occurs but the year of 2010 and 2014, the Kalboishakhi Jhar was very strong and severe. Illustratable that in the Kalboishakhi Jhar of 2010, 460 homes (fully) and 1219 homes (somely), 132 trees, 5 educational institutes 5 religious institutes, 11 latrine and 6 electric cables & pillars are damaged. In 2014, 319 homes (fully), 1921homes (somely) and 3 religious institutes are damaged. In 2010, the quantity of Union wise damages of Kalboishakhi jhar in Shulla Upazila are as follows:

Atgaon Union :

Kalboishakhi Jhar in 2010 in Atgaon union of Shulla Upazila affected 127 homes (fully) & 69 homes (partial), 57 trees, 1 educational institute, 1 religious institute, 3 latrines and 03 electric pillars. As a result 468 families were fall in loss directly or indirectly.

Bahara Union :

Kalboishakhi Jhar in 2010 in Bahara union of Shulla Upazila affected 108 homes (fully) & 520 homes (partial), 25 trees, 01 educational institute, 01 religious institute and 1 latrines. As a result 355 families were fall in loss directly or indirectly.

Hobibpur Union :

Kalboishakhi Jhar in 2010 in Hobibpur union of Shulla Upazila affected 130 homes (fully) & 275 homes (partial), 21 trees, 02 educational institute, 01 religious institute, 02 latrines and 01 electric pillar. As a result 282 families were fall in loss directly or indirectly.

Shulla Union :

Kalboishakhi Jhar in 2010 in Shulla union of Shulla Upazila affected 95 homes (fully) & 355 homes (partial), 29 trees, 01 educational institute, 02 religious institute, 05 latrines and 02 electric pillar. As a result 320 families were fall in loss directly or indirectly.

Due to climate change and seasonal strong wind in future Kalboishakhi Jhar may occurs frequently in this upazila. And its dimension may be increased. In Kalboishakhi Jhar generally Boro crop, home & homestead, cattle, birds, trees & plants and forest, electric cable & pillar and educational & religious institutes may be affected even death case may happen and scarcity of food may be arisen. Death cases may happen due to boat and launch sunk incident. Cattle food scarcity may be happen. Besides, employment opportunity may be squish and business diminishes due to kalboishakhi jhar. Union wise future possible affect of Kalboishakhi jhar in Shulla Upazila are as follows:

Atgaon Union :

Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hits like in 2010 in Atgaon union of Shulla Upazila then 19 hector boro crop, 210 home (fully) & 112 homestead (partial), 225 trees, 3 educational institutes, 10 religious institutes, 5 latrines and 05 electric pillar may be affected. As a result 2194 families may fall in loss directly or indirectly.

Bahara Union :

Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hits like in 2010 in Bahara union of Shulla Upazila then 13 hector boro crop, 140 home (fully) & 988 homestead (partial), 100 trees, 2 educational institutes, 14 religious institutes, 8 latrines and 4 electric pillar may be affected. As a result 1016 families may fall in loss directly or indirectly.

Hobibpur Union :

Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hits like in 2010 in Hobibpur union of Shulla Upazila then 11 hector boro crop, 207 home (fully) & 575 homestead (partial), 50 trees, 12 educational institutes, 17 religious institutes, 3 latrines and 2 electric pillar may be affected. As a result 1344 families may fall in loss directly or indirectly.

Shulla Union :

Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hits like in 2010 in Shulla union of Shulla Upazila then 10 hector boro crop, 120 home (fully) & 470 homestead (partial), 170 trees, 15

educational institutes, 12 religious institutes, 17 latrines and 3 electric pillar may be affected. As a result 1174 families may fall in loss directly or indirectly.

Hail storm: In Shulla upazila the vulnerability of hail storm is very high. Due to climate change and seasonal strong wind in Shulla Upazila generally from the month of Chaitra to Kartik there occurs hail storm. As a result Boro crop, seedbed, vegetables, fruites and homes are affected. It is noteworthy that 519 hectares boro paddy fully and 3713 hectare boro paddy somely are damaged by the hail storm occurred in 1998. In addition, 2327 hectare boro paddy somely are damaged by the hail storm occurred in 2011. The quantity of union wise damages by the hail storm occurred in 1998 is as follows:

Atgaon Union:

In Atgaon union of Shulla upazila, the total amount of 130 hectares boro paddy fully damaged and 523 hectares boro crops were damaged partial in 1998. As a result, 505 farmers family were affected directly and indirectly.

Bahara Union:

In Bahara union of Shulla upazila, the total amount of 133 hectares boro paddy fully damaged and 1070 hectares boro crops were damaged partial in 1998. As a result, 289 farmers family were affected directly and indirectly.

HobibpurUnion:

In Hobibpur union of Shulla upazila, the total amount of 125 hectares boro paddy fully damaged and 988 hectares boro crops were damaged partial in 1998. As a result, 471 farmers family were affected directly and indirectly.

Shulla Union:

In Shulla union of Shulla upazila, the total amount of 131 hectares boro paddy fully damaged and 1132 hectares boro crops were damaged partial in 1998. As a result, 375 farmers family were affected directly and indirectly.

Due to climate change and seasonal strong wind in future hail storm may occurs frequently. And its dimension may be increased. Union wise future possible affect of Hail storm in Shulla Upazila are as follows:

Atgaon Union:

In future, due to climate change and seasonal strong wind in Atgaon union of Shulla upazila, the total amount of 185 hectares boro paddy fully damaged and 788 hectares boro crops were damaged partial, As a result, 1202 farmers family were affected directly and indirectly.

Bahara Union:

In future, due to climate change and seasonal strong wind in Bahara union of Shulla upazila. The total amount of 153 hectares boro paddy fully damaged and 1188 hectares boro crops were damaged partial, As a result, 1228 farmers family were affected directly and indirectly.

Hobibpur Union:

In future, due to climate change and seasonal strong wind in Hobibpur union of Shulla upazila, the total amount of 173 hectares boro paddy fully damaged and 1090 hectares boro crops were damaged partial, As a result, 1505 farmers family were affected directly and indirectly.

Shulla Union:

In future, due to climate change and seasonal strong wind in Shulla union of Shulla upazila, in 1998, the total amount of 167 hectares boro paddy fully damaged and 1505 hectares boro crops were damaged partial, As a result, 1479 farmers family were affected directly and indirectly.

Draught: In general, draught occurs in Shulla Upazila from the month of Falgun to Baishakh. As a result, boro paddy, cattle, birds, trees and forest are damaged. At this time food crisis and cattle food crisis also occurred. Draught is happened in 2011 & 2013 in this Upazilla. It is remarkable that 4137 hectares boro crops were partial damaged in 2011 and 2319 hectares boro paddy were partial damaged in 2013. The quantity of union wise damages by the draught occurred in 2011 is as follows:

Atgaon Union:

In Atgaon union, the total amount of 1008 hectares boro crops were partially damaged by the draught occurred in 2011. As a result, 589 farmers family were affected directly and indirectly.

Bahara Union:

In Bahara union, the total amount of 988 hectares boro crops were partially damaged by the draught occurred in 2011. As a result, 1380 farmers family were affected directly and indirectly.

Hobibpur Union:

In Hobibpur union, the total amount of 1106 hectares boro crops were partially damaged by the draught occurred in 2011. As a result, 789 farmers family were affected directly and indirectly.

Shulla Union:

In Shulla union, the total amount of 1035 hectares boro crops were partially damaged by the draught occurred in 2011. As a result, 470 farmers family were affected directly and indirectly.

Due to climate change and seasonal strong wind in future draught may occur frequently in this upazila and its dimension may be increased. It may affect boro paddy, livestock and fishery. Crisis of livestock food may be occurred, It may cause different types of diseases for want of safe water, Livestocks may be affected with different diseases, employment opportunity for day labor may be reduced and business may be fallen. Union wise future possible affect of draught in Shulla Upazila is as follows:

Atgaon Union:

In future, due to climate change and seasonal strong wind, the total amount of 1180 hectares boro paddy may fully be damaged in Atgaon union of Shulla upazila, As a result, 2172 farmers family were affected directly and indirectly.

Bahara Union:

In future, due to climate change and seasonal strong wind, the total amount of 1020 hectares boro paddy may fully be damaged in Bahara union of Shulla upazila, As a result, 1692 farmers family were affected directly and indirectly.

Hobibpur Union:

In future, due to climate change and seasonal strong wind, the total amount of 1210 hectares boro paddy may fully be damaged in Hobibpur union of Shulla upazila, As a result, 1297 farmers family were affected directly and indirectly.

Shulla Union:

In future, due to climate change and seasonal strong wind, the total amount of 1140 hectares boro paddy may fully be damaged in Shulla union of Shulla upazila, As a result, 1780 farmers family were affected directly and indirectly.

2.4 Vulnerability and Capacity

| Hazard | Vulnerability | Capacity |
|----------------|--|--|
| Flashflood | <ul style="list-style-type: none">• Boro crop affects• Home & homestead affects• Food crisis begin• Cattle food crisis began• Road & pathway damage• Embankment damage• Hygienic latrine damage | <ul style="list-style-type: none">• 137.27 KM high road subsists• 91.10 KM embankment subsists• 16 School cum shelter.• 1 high playing field.• 1 Upazilla Health complex.• 1 food godown.• Regular Upazila and Union Disaster Management Committee meeting held.• Union wise trained volunteer groups are active.• Early paddy variety seed 28 and 45 are available. |
| Seasonal flood | <ul style="list-style-type: none">• Crops damage due to crop field soil up and food crisis begin.• Home & homestead affected• Trees & plants damages• Road & pathway damages• Education and religious institutes damages• Graveyard of Shulla upazila goes under water during rainy season• Cattle and poultry birds fall in to huge distress.• Embankment damage | <ul style="list-style-type: none">• 16 School cum shelter• 1 high playing field.• 1 food godown• Monthly meeting of Upazila Disaster Management Committee and Union Disaster Management held regularly.• Trained volunteer groups are active at union level.• Early paddy variety seed BR 28 and BR 45 are available.• 1 Upazilla Health Complex. |

| Hazard | Vulnerability | Capacity |
|---------------------------------|---|--|
| | <ul style="list-style-type: none"> • Sanitary latrine damage • Tube well damage • Hampers employment opportunity. | <ul style="list-style-type: none"> • 2 Health & Family Welfare center and 8 community clinic are active. |
| Kalboishakhi Jhar (Norwest hit) | <ul style="list-style-type: none"> • Affect boro crops • Home & homesteads and trees & plants damage • Scarcity of food begin • Cattle and birds severely affects • Forest damage • Lives and assets damaged due to boat and lunch sunk. • Cattle food crisis begin • Electric line and filler damage | <ul style="list-style-type: none"> • 16 School cum shelter • 1 food godown • Monthly meeting of Upazila Disaster Management Committee and Union Disaster Management held regularly. • Trained volunteer groups are active at union level. • Early paddy variety seed BR 28 and BR 45 are available. • 1 Upazilla Health Complex. • 2 Health & Family Welfare center and 8 community clinic are active. • Strip gardening near the govt road length 5 km. |
| Hail storm | <ul style="list-style-type: none"> • Affect boru crops • Vegetable damage • Home & homesteads damage • Cattle & birds damage | <ul style="list-style-type: none"> • Monthly meeting of Upazila Disaster Management Committee and Union Disaster Management held regularly. • 16 School cum shelter • 1 food godown • Trained volunteer groups are active at union level. • Early variety seed BR-28 and BR45 are available. • Strip gardening near the govt road length 5 km. • 1 Upazilla Health Complex. • 2 Health & Family Welfare center and 8 community clinic are active. |
| Draught | <ul style="list-style-type: none"> • Affect boru crops • Cattle and birds severely affects | <ul style="list-style-type: none"> • 1521 shallow tube well active • 3000 Don & Seoti are |

| Hazard | Vulnerability | Capacity |
|--------|---|---|
| | <ul style="list-style-type: none"> • Trees & forest damage • Scarcity of food begin • Cattle food crisis begin | <ul style="list-style-type: none"> • available for irrigation purposes • Strip gardening near the govt. road length 5 km. |

2.5 Most Vulnerable Area

| Hazard | Most Vulnerable Area | Reason of Vulnerability | Vulnerable Population |
|---------------------------------|--|---|-----------------------|
| Flashflood | <p>Atgaon union: Mahmoodnagar, Nizgaon, Rahutola, Borgaon, Bazerkandi, Sonakhali, Mirjapur, Batiyarabad, Atgaon, Uzangaon, Shorifpur, Doulatpur & Kashipur.</p> <p>Shulla union: Kandigaon, Monuya, Ruya, Abda, Shokorpur, kamargaon, Sennagor, Islampur, Shrihail, Adittopur, Bolorampur, Gobindopur, Shulla Guyani, Simerkanda & Keruyala.</p> <p>Habibpur Union: Rampur, Anondopur, habibpur, Nowyagaon, Aguyael, Shoroshpur, Hasanpur, Foyjollahpur, Shashkhai, Putka, Kolapra, Billpur, Moheshpur & Chakuya.</p> <p>Bahara Union: Sultanpur, Siberkand, Horinogor, Shibpur, Mirjakanda, Bahara Notunhati, Monnanpur, Charprotappur, Gongiargaon, Sodhonkolli, Rogunathpur, Islampur, Baradohor, Batgaon, Muktarpur, Tajpur & Sultanpur.</p> | Upstream hilly overflow, Heavy rainfall | 37914 person |
| Seasonal flood | Whole Shulla Upazila | Upstream hilly overflow, Heavy rainfall. | 113,743 person |
| Kalboishakhi Jhar (Norwest hit) | Whole Shulla Upazila | Climate change and seasonal wind flow affect. | 113,743 person |

| Hazard | Most Vulnerable Area | Reason of Vulnerability | Vulnerable Population |
|------------|----------------------|---|-----------------------|
| Hail Storm | Whole Shulla Upazila | Climate change and seasonal flow affect | 113,743 person |
| Drought | Whole Shulla Upazila | Climate change and seasonal flow affect | 113,743 person |

2.6 Main Sectors of Development Plan

| Main Sectors | Detail Description | Coordination with DRR |
|--------------|---|--|
| Agriculture | Shulla upazila has a total of 28283 hectors land. Among them, the amount of arable and uncultivated lands are 22713 hectors and 5571 hectors respectively. Among the arable land, mono crop land is 17212 hectors and two crop lands are 5500 hectors. But there are no tri crop lands in this upazila. Besides, the amount of the settlement area of 106 hectors of the total land area. The main crops of Shulla upazila are rice (Boro and Aman), potato and vegetables. | So, to protect agriculture from disaster risks early paddy seeds supply, block dam making in the river by the government, water management by sluice gate, change of river flow by dragging , sand and stone quarry control, deep tub-well sinking and earth place establishment is important. |
| Fisheries | There are 6 rivers, 121 canals, 93 beels and 236 ponds, There are 10132 fishermen here. In this Upazila fish production hampered severely due to fishing in winter by drying up canals & beels and at the beginning of the rainy season fishing of small fishes and fingerlings by current nets, triangular nets etc. Commonly used slogan is net owner is the owner of the water body but physically fishermen's access in the water-body is very limited. | To protect fisheries from the disaster risks it is important to stop fishing by cannel & beels drying, by using current net and triangular nets and to continue awareness activities and advocacy works. Besides this, beels conservation, pond digging and fingerlings production is important. |
| Livestock | The main livestock in Shulla Upazila cow, goat, sheep, duck, hen, birds, buffalo etc. The | To protect livestock it is important to supply cattle foods, high earth place |

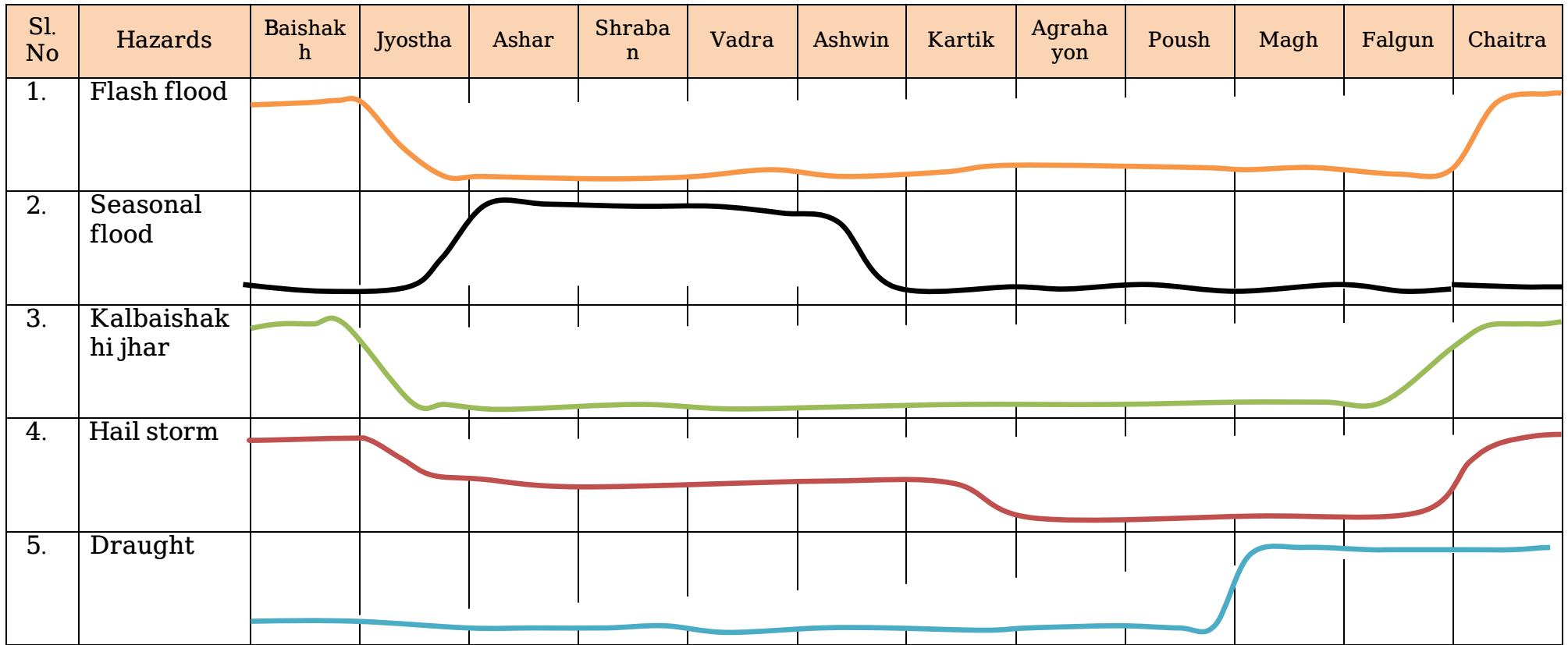
| Main Sectors | Detail Description | Coordination with DRR |
|------------------|---|--|
| | upazila includes cow- 28117, goat-1560, sheep-2200, duck & hen-56381 and buffalo-167. In flash floods, seasonal floods, Norwest hits etc. disaster affect livestock in this Upazila. | establish and in case of diseases it is important to ensure emergency medicine. To prevent cow and goats it is essential to arrange vaccine and organize vaccination programs. So, it is very important to aware community on this issue. |
| Health sector | There are 1 Upazila Health Complex, 2 health and family welfare centres and 13 community clinics in Shulla upazila. There is no private health care center here. Upazila Health Complex is located at upazila head quarter under Atgaon union. Here are three doctors and 5 nurses. Health sector is hampered in Shulla Upazila due to flash flood, seasonal flood, Norwest hit etc. | So, to reduce risks in health sector it is impotent ensure supply of sufficient medicine, water purification tablets to increase staffs in health sectors for emergency treatment . Above water level Tub well and latrine installation is also important. |
| Livelihoods | Main livelihood options in Shulla Upazila are agriculture, fisheries, day labor, boatmen, service, business etc. There are total 21,614 farmers, 10132 fishermen, 31,793 day labour, 242 boatmen, 1275 service holder and 1040 businessmen. Flash flood, seasonal flood, Norwest hit, hail storm, draught etc. disaster in this Upazila occurs frequently and as a result peoples livelihoods hampered due to the increased dimension of disasters. | To reduce disaster risk on livelihoods it is important to create employment opportunity and to involve in income generation activities it is important to organize trade base training. |
| Trees and plants | There are 5 km strip gardening (forest) in Shulla upazila. Different types of trees contain in this forest, such as, mehogoni, hizol, kodom, acacia, rain tree, arjun, berry, jackfruit trees, etc. Also, people of the area plant saplings around the house. Trees and plants are affected in Shulla Upazila due to flash flood, seasonal flood, Norwest | To reduce disaster damage of trees & plants i.e. to protect homestead, roads, natural resources it is important to initiate social afforestation. |

| Main Sectors | Detail Description | Coordination with DRR |
|-----------------|---|--|
| | hit etc. | |
| Infrastructures | There are 91.10 km. embankments, 2 Sluice gates, 6 bridges, 62 culverts, 137 km. roads, 1521 shallow tube wells, 128 Schools, 85 religious institutes and 37,288 houses in Shulla Upazila. Different disasters like flash flood, seasonal flood, Norwest hit, hail storm etc. caused damage in different types of infrastructures like roads, bridges, culvert, education and religious institutes, houses etc. | To protect infrastructures i.e. roads, bridges, culvert, education and religious institutes, houses etc., it is important to construct submerge-able roads, roads construction and repair, bridge and culvert making, village protection wall construction, and undertaking social forestry program. |

2.7 Social Map: Attached on Annexure 7.

2.8 Hazard and Risk Map: Attached on Annexure 8.

2.9 Seasonal Calendar of Hazard



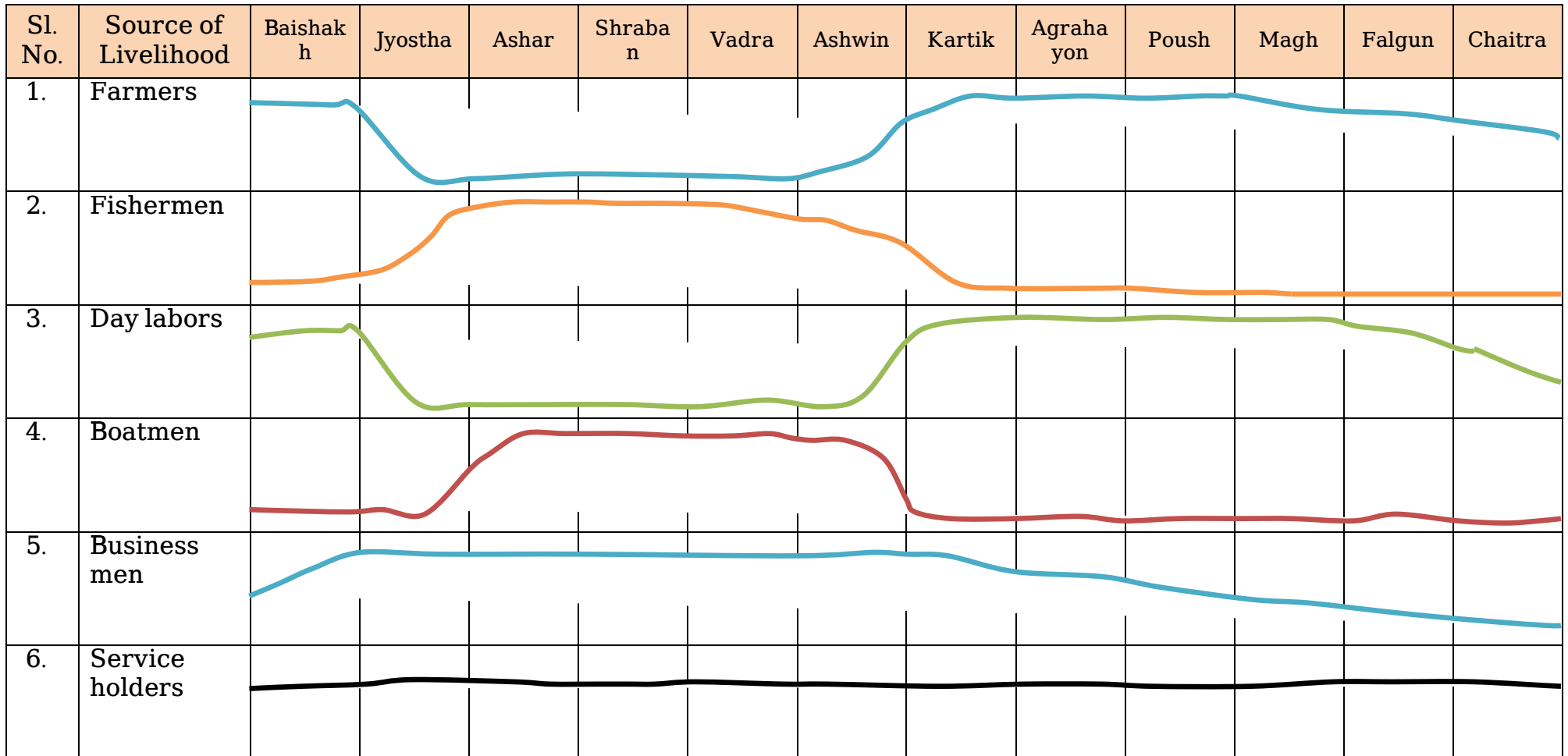
Analysis of seasonal calendar of hazard shows, hazards happens in which months of the year and in which months of the years its affects is more or less by the line diagram. As part of Disaster Management Plan preparation, following are known by the discussion with the participants:

- Shulla, situated at the foot of the Meghalaya, is a low lying, haor surrounded, green and under privileged upazila. In general, it hits either at the end of Chaitra or at the very beginning of Baishakh. Heavy rainfall and upstream water from Meghalaya through the entering point of the Darain river causes flash flood in Shulla. It damaged paddy field of different haors such as, Chhayar haor, Kaligotar haor, Gachherdohor haor, Beradohor haor, Baguyar haor, Bhandar haor and Porarpar haor of this upazila. In each and every year disaster including flash flood damage Boro paddy in Shulla. Flash thrash the peoples in the bank of haor to helpless by taking everything belongs to them. It washed away every things including main livelihood option of this Upazila the boro crops, along these it severely damage embankment and roads of this areas. At this time scarcity of cattle food seriously take place. Affect of flash flood spread in all levels of the community, especially job opportunity of low income group become narrow and businessmen's business diminish.
- Shulla upazila is one of the brutally flood affected areas. In rainy season, basically seasonal flood occurs due to the upstream heavy rainfall in Meghalaya. Generally from the month of Ashar to Ashwin flood continue here which harshly concern the agriculture, fisheries, infrastructure, establishment, education and communication sectors. In rainy season entire areas of Shulla upazila deluge in water. In this partially 11,592 homes (partial), 13 km. roads (partial) 54 km. Embankment, 11 Schools, 27 religious Institute (partial), 4868 Trees, 100 tubewell and 1285 latrine are damaged by seasonal flood occurred in 2004. In addition, fully 5153 homes (full), 3513 homes (partial), 22 religious Institute (partial) are damaged i seasonal flood of 2007. Beside this, 7 persons died. From the long distance each and every village shows like a floating weed. In this time wind in Haor creates series of weaves. It dents the home & homesteads, roads and embankments. Besides, drown of boats caused death. Illustratable that during the floods peoples suffers from different types of water borne diseases due to lack of pure drinking water. Especially in this time pregnant mother, children, elderly and disable's life become most awareful.
- In Shulla upazila the vulnerability of Kalboishakhi Jhar is very high. Due to climate change and seasonal strong wind in Shulla Upazila generally at the end of the month Chaitra to first week of Jaisjthya there occurs Kalboishakhi Jhar. As a result Boro crop, home & homestead, cattle, birds, trees & plants and forest, electric cable & pillas and educational & religious institutes affected. At this death cases happens and food crisis occurs, boat & launch sunk caused death. At this time cattle food crisis also occurred. In each year kalboishakhi jhar occurs but the year of 2010 and 2014 the Kalboishakhi Jhar was very strong and severe. Illustratable that in the Kalboishakhi Jhar of In 2010, 460 homes (fully) and 1219 homes (somely), 132 trees, 5 educational institutes, 5 religious institutes, 11 latrine and 6 electric

cables and pillars are damaged. In 2014, 319 homes (fully) and 1921 homes (somely) are damaged and 3 religious institutes are damaged.

- The vulnerability of hail storm is very high in Shulla. Due to climate change and seasonal strong wind in Shulla Upazila generally from the month of Chaitra to Kartik there occurs hail storm. As a result Boro crop, seedbed, vegetables, fruites and homes are affected. It is noteworthy that 519 hectares boro paddy fully and 3713 hectare boro paddy somely are damaged by the hail storm occurred in 1998. In addition, 2327 hectare boro paddy somely are damaged by the hail storm occurred in 2011.
- Draught is occurred from the month of Falgun to Baishakh in this area due to less rainfall, the level of ground water getting down and climate change. It damages boro crop, cattle, birds, trees & plants and forest. Due to draughts crop fields, fields & roads, cannels & beels etc dried up and broken into picas. At this due to high tempeture peoples become irritated and suffer from different types of diseases. Boro crops, cattle's, birds, trees & plants damage. Fish hatching hampered due to the dried up of the cannels and rivers. At this time scarcity of food occurs, side by side of scarcity of cattle foods. And different types of deases breakout. In this upazila there was draughts in 2011 and 2013. Illustratable that in the draughts of 2011, 4137 crops in hector land damaged.

2.10 Seasonal Calendar of Livelihood



On the other hand, the analysis of seasonal livelihood calendar shows life and livelihoods occurs in different months of the year and in different month there is season for livelihoods and in some months livelihoods are dawdling. These are shown in the line diagram. As part of Disaster Management Plan preparation, following are known by the discussion with the participants:

- Bangladesh is land of agriculture. 80% population in Bangladesh depends in agriculture. There are total 21614 farmers in Shulla Upazila. Boro crop is the only livelihood options of the farmers in this area. That very boro crop affect in each and every year by any of the natural disasters. Among these disasters flash flood is illustratable. Flash flood affects severely about 85% agriculture of this upazila. As a result farmers in this Upazila become most at risk for their livelihoods. So, they have to choose different hazardous jobs to survive in the earth with their family. They have to move to the Bholagonj stone quarry distance areas of Chhatak Upazila for the sake of their livelihoods. Besides, they work as construction labor in different towns.
- 10132 fishermen live in Shulla Upazilla. In says, net and wetland is only one man owner. The hard labour by fishermen continues from Ashar to Kartik. In this time fishermen cannot catching the fish for water lord. They live like dishuminty for cannot catch the fish in full seaon. At this time they have to think of alternet livelihood options.
- Shulla upazila includes a total of 31793 day labors. If ‘only survive in the earth” is life then they are the day labor. Those who are working hard from the sun rise to the down to survive in the earth are staying deserted. They are deprived from health, education and shelter facility along with other civic rights. From the month of Aswin to Jaistha though they work hard and earn their livelihood , the remaining period they stay unemployed and live with half a meal and or without meal in a day. Again, some of them move from none area to another area of the country for the sake of the job.
- Shulla upazila includes a total of 31793 day labors. If ‘only survive in the earth” is life then they are the day labor. Those who are working hard from the sun rise to the down to survive in the earth are staying deserted. They are deprived from health, education and shelter facility along with other civic rights. From the month of Aswin to Jaistha though they work hard and earn their livelihood , the remaining period they stay unemployed and live with half a meal and or without meal in a day. Again, some of them move from none area to another area of the country for the sake of the job.
- There are a total of 242 boatmen in this upazila. They lead their lives by carrying presingers 6 months in a year from the month of Ashar to Kartik. The rest of time they afford their families through agriculture.
- Shulla upazila includes a total of 1040 businessmen. A few people of this upazila are involved in business in comparison of the total population of the Upazila to earn their livelihood. After that, business season of the

businessmen are from the month of Baishakh to Ashwin. The rest months are the anomalous season for business but not bad at all.

- There are a total of 1275 service holders in this Upazilla. They earn their livelihood through service all over the year.

2.11 Life and Livelihood Related Vulnerability

| Sl. No. | Livelihood | Hazards | | | | |
|---------|----------------|-------------|----------------|-------------------|------------|---------|
| | | Flash flood | Seasonal flood | Kalboishakhi Jhar | Hail storm | Draught |
| 1. | Agriculture | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2. | Fishery | ✓ | | | | ✓ |
| 3. | Day labor | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4. | Boatmen | ✓ | | ✓ | ✓ | ✓ |
| 5. | Businessmen | ✓ | ✓ | ✓ | ✓ | ✓ |
| 6. | Service holder | | ✓ | ✓ | ✓ | |

2.12 Sector wise Hazard and Risk

Shulla is a very disaster prone high risk Upazila in Sunamganj district where main livelihood is agriculture. Different types of disasters are the main constrains on the way to development of this Upazila. The main disasters of this Upazila are; flash flood, seasonal flood, kalboishakhi Jhar (storm), hail storm, draught etc. Heavy rainfall and upstream water from Meghalaya through the entering point of the Darain river causes flash flood in Shulla. It damaged paddy field of different haors such as, Chhayar haor, Kaligotar haor, Gachherdohor haor, Beradohor haor, Baguyar haor, Bhandar haor and Porarpar haor of this upazila. In general, it hits either at the end of Chaitra or at the very beginning of Baishakh. Apart from this, the Darain river is filled up as a result of siltation. During flash flood, it is difficult to carry paddy from field for want of vehicle. In this regard, tractor can be introduced for this purpose. The harvesting crops effected for water.

Seasonal flood is occurred from Ashar to Ashwin in this area due to havy rainfall and upstream from Meghalayas. It occurs widespread damage in the sector of agriculture, fishery, livestock, infrastructure, homes, education, health, trees etc. During the rainy season, the whole area full to the brim of water. Then, when we look at the area from away, every village seems to be as water hisin floating in the water. Then, it creates wave in the haor due to stormy wind resulting in homestead, roads, embankments etc. damage. Sometimes, men die by boat drowning as well. There occurs Kalboishakhi Jhar due to climate change and seasonal strong wind in Shulla Upazila generally at the end of the month Chaitra to first week of Jaisjthya. As a result Boro crop, home & homestead, cattle, birds, trees & plants and forest, electric cable & filler and educational & religious institutes affected. At this death cases happens and food crisis occurs, boat & launch sunk caused death. At this time cattle food crisis also occurred. Due to climate change and seasonal strong wind in Shulla Upazila generally from the month of Chaitra to Kartik there occurs hail storm. As a result Boro crop, seedbed, vegetables, fruites and homes are affected. Draught is occurred from the month of Falgun to Baishakh in this area due to less rainfall, the level of ground water getting down and climate change. It damages boro crop, cattle, birds, trees & plants and forest. As a result food crisis occurs and cattle food crisis also occurred. The communication system particularly there is no roads in this upazila.

| Hazards | Vulnerable Social Elements | | | | | | | | | | |
|-------------------|----------------------------|---------------|-----------|---------|-------|-----------------|-----------------|--------|----------|---------|----------|
| | Paddy | Tree & Plants | Livestock | Fishery | Roads | Bridge/ Culvert | Education Inst. | Health | Shelters | Seedbed | Humelife |
| Flash flood | ■ | ■ | ■ | ■ | | | | ■ | | ■ | |
| Seasonal flood | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Kalboishakhi Jhar | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | ■ |
| Hail storm | ■ | | | | | | | | | ■ | |
| Draught | ■ | ■ | ■ | | | | | ■ | | ■ | |

Main disasters of this upazila are flash flood, seasonal flood, kalboishakhi Jhar, Hail storm, Draught etc. These disasters basically affects different social components such as crops, trees & plants, livestock, fisheries, roads, bridges, culverts, schools, health, shelters, seedbeds, etc. Union wise risks of above hazards are described below:

- If flash flood occurs in Shulla upazila due to heavy rainfall and the flashing water from Meghalayan hills or flash flood like 2010 hits in **Atgaon union**, it may damage boro crops of 4573 hectares (fully) and 1255 hectares (partial) land, 13 km. road (partial), 15 km. embankments (partial). As a result, 3665 farmers' family may be affected directly and indirectly.
- If flash flood occurs in Shulla upazila due to heavy rainfall and the flashing water from Meghalayan hills or flash flood like 2010 hits in **Bahara union**, it may damage boro crops of 3823 hectares (fully) and 1670 hectares (partial) land, 6 km. road (partial), 8 km. embankments (partial). As a result, 3518 farmers' family may be affected directly and indirectly.
- If flash flood occurs in Shulla upazila due to heavy rainfall and the flashing water from Meghalayan hills or flash flood like 2010 hits in **Hobibpur union**, it may damage boro crops of 4372 hectares (fully) and 1620 hectares (partial) land, 7 km. road (partial), 9 km. embankments (partial). As a result, 3334 farmers' family may be affected directly and indirectly.
- If flash flood occurs in Shulla upazila due to heavy rainfall and the flashing water from Meghalayan hills or flash flood like 2010 hits in **Shulla union**, it may damage boro crops of 4752 hectares (fully) and 1480 hectares (partial) land, 9.5 km. road (partial), 11 km. embankments (partial). As a result, 3480 farmers' family may be affected directly and indirectly.
- If seasonal flood occurs in Shulla upazila due to heavy rainfall and upstream water from Meghalayan hills or seasonal flood like 2004 hits, in **Atgaon union**, 3541 homes, 7 km. road (partial), 14 km. embankments, 7 educational institutions, 15 religious institutions (partial), 2529 trees, 98

tube well and 5400 latrine may be affected by seasonal flood. As a result, 5485 farmer families may be affected directly and indirectly.

- If seasonal flood occurs in Shulla upazila due to heavy rainfall and upstream water from Meghalayan hills or seasonal flood like 2004 hits, in **Bahara union**, 2731 homes, 5 km. road (partial), 16 km. embankments, 3 educational institutions, 9 religious institutions (partial), 753 trees, 43 tube well and 4108 latrine may be affected by seasonal flood. As a result, 5084 farmer families may be affected directly and indirectly.
- If seasonal flood occurs in Shulla upazila due to heavy rainfall and upstream water from Meghalayan hills or seasonal flood like 2004 hits, in **Hobibpur union**, 2953 homes, 8 km. road (partial), 20 km. embankments, 3 educational institutions, 7 religious institutions (partial), 1373 trees, 51 tube well and 4541 latrine may be affected by seasonal flood. As a result, 5379 farmer families may be affected directly and indirectly.
- If seasonal flood occurs in Shulla upazila due to heavy rainfall and upstream water from Meghalayan hills or seasonal flood like 2004 hits, in **Shulla union**, 3531 homes, 6 km. road (partial), 19 km. embankments, 5 educational institutions, 5 religious institutions (partial), 1221 trees, 59 tube well and 4100 latrine may be affected by seasonal flood. As a result, 4351 farmer families may be affected directly and indirectly.
- Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hits like in 2010 in **Atgaon union** of Shulla Upazila then 19 hector boro crop, 210 home (fully) & 112 homestead (partial), 225 trees, 3 educational institutes, 10 religious institutes, 5 latrines and 05 electric pillar may be affected. As a result 2194 families may fall in loss directly or indirectly.
- Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hits like in 2010 in **Bahara union** of Shulla Upazila then 13 hector boro crop, 140 home (fully) & 988 homestead (partial), 100 trees, 2 educational institutes, 14 religious institutes, 8 latrines and 4 electric pillar may be affected. As a result 1016 families may fall in loss directly or indirectly.
- Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hits like in 2010 in **Hobibpur union** of Shulla Upazila then 11 hector boro crop, 207 home (fully) & 575 homestead (partial), 50 trees, 12 educational institutes, 17 religious institutes, 3 latrines and 2 electric pillar may be affected. As a result 1344 families may fall in loss directly or indirectly.
- Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hits like in 2010 in **Shulla union** of Shulla Upazila then 10 hector boro crop, 120 home (fully) & 470 homestead (partial), 170 trees, 15 educational institutes, 12 religious institutes, 17 latrines and 3 electric pillar may be affected. As a result 1174 families may fall in loss directly or indirectly.

- In future, due to climate change and seasonal strong wind in **Atgaon union** of Shulla upazila, the total amount of 185 hectares boro paddy fully damaged and 788 hectares boro crops were damaged partial, As a result, 1202 farmers family were affected directly and indirectly.
- In future, due to climate change and seasonal strong wind in **Bahara union** of Shulla upazila. The total amount of 153 hectares boro paddy fully damaged and 1188 hectares boro crops were damaged partial, As a result, 1228 farmers family were affected directly and indirectly.
- In future, due to climate change and seasonal strong wind in **Hobibpur union** of Shulla upazila, the total amount of 173 hectares boro paddy fully damaged and 1090 hectares boro crops were damaged partial, As a result, 1505 farmers family were affected directly and indirectly.
- In future, due to climate change and seasonal strong wind in **Shulla union** of Shulla upazila, in 1998, the total amount of 167 hectares boro paddy fully damaged and 1505 hectares boro crops were damaged partial, As a result, 1479 farmers family were affected directly and indirectly.
- In future, due to climate change and seasonal strong wind, the total amount of 1180 hectares boro paddy may fully be damaged in **Atgaon union** of Shulla upazila, As a result, 2172 farmers family were affected directly and indirectly.
- In future, due to climate change and seasonal strong wind, the total amount of 1020 hectares boro paddy may fully be damaged in **Bahara union** of Shulla upazila, As a result, 1692 farmers family were affected directly and indirectly.
- In future, due to climate change and seasonal strong wind, the total amount of 1210 hectares boro paddy may fully be damaged in **Hobibpur union** of Shulla upazila, As a result, 1297 farmers family were affected directly and indirectly.
- In future, due to climate change and seasonal strong wind, the total amount of 1140 hectares boro paddy may fully be damaged in **Shulla union** of Shulla upazila, As a result, 1780 farmers family were affected directly and indirectly.

2.13 Climate Change and it's Feasible Impact

| Sectors | Description |
|-------------|--|
| Agriculture | <p>Due to climate change in future, frequent flash floods, Norwest hit, hail storm and draught may occur in this upazila and its coverage may be increased. Agriculture sector may have huge damage from this. At this time cattle food scarcity may be high. Employment opportunity for day labor may be lessened and business opportunity may be limited. Due to the climate change in future in Shulla upazila, union wise different disaster damage trend are follows;</p> <p>Atgaon Union :</p> <p>In future, due to climate change in Atgaon union of Shulla Upazila may damage 4573 hector boro crop (full), 1255 hector boro crop (partial) by flash flood. Approximately 19 hector boro crops may be damaged by Kalboishakhai Jhar. Approximately 185 hector boro crops (fully) and 788 hector hector boro crops (partial) are affected by hail storm. In addition, approximately 1180 hector boro crops are affected by draught. At all due to climate change in future in this union boro and amon paddy production may be reduced largely. Besides, due to draught huge land may be out of cultivation.</p> <p>Bahara Union :</p> <p>In future, due to climate change in Bahara union of Shulla Upazila may damage 3823 hector boro crop (full), 1670 hector boro crop (partial) by flash flood. Approximately 13 hector boro crops may be damaged by Kalboishakhai Jhar. Approximately 153 hector boro crops (fully) and 1188 hector hector boro crops (partial) are affected by hail storm. In addition, approximately 1020 hector boro crops are affected by draught. At all due to climate change in future in this union boro and amon paddy production may be reduced largely. Besides, due to draught huge land may be out of cultivation.</p> <p>Hobibpur Union :</p> <p>In future, due to climate change in Hobibpur union of Shulla Upazila may damage 4372 hector boro crop (full), 1620 hector boro crop (partial) by flash flood. Approximately 11 hector boro crops may be damaged by Kalboishakhai Jhar. Approximately 173 hector boro crops (fully) and 1090 hector hector boro crops (partial) are affected by hail storm. In addition, approximately 1210 hector boro crops are affected by draught. At all due to climate change in future in this union</p> |

| Sectors | Description |
|-----------|---|
| | <p>boro and amon paddy production may be reduced largely. Besides, due to draught huge land may be out of cultivation.</p> <p>Shulla Union :</p> <p>In future, due to climate change in Shulla union of Shulla Upazila may damage 4752 hector boro crop (full), 1480 hector boro crop (partial) by flash flood. Approximately 10 hector boro crops may be damaged by Kalboishakhai Jhar. Approximately 167 hector boro crops (fully) and 1505 hector hector boro crops (partial) are affected by hail storm. In addition, approximately 1140 hector boro crops are affected by draught. At all due to climate change in future in this union boro and amon paddy production may be reduced largely. Besides, due to draught huge land may be out of cultivation.</p> |
| Fisheries | <p>Due to climate change in future, frequent seasonal floods may occur in this upazila and its coverage may be increased. Fisheries sector may have huge affect from this. Due to fishing by drying up, rivers & bills in winter and at the beginning of rainy season catching fingerlings with tri-angular nets or current nets. Fish production in this upazila may be hampered seriously. Again though “Water body belong to the net owners” slogan is common here but fishermen’s access to water body is limited. Safe zone of fish in this upazila is losing, which in future may be huge. That is why fish production may be reducing. Not only this, growth of fish is also lessening. Due to the climate change in future in Shulla upazila, union wise different disaster damage trend on fisheries are follows;</p> <p>Atgaon Union :</p> <p>In future, due to climate change in Atgaon union of Shulla Upazila seasonal flood 7 metric tonnes fishes of 35 ponds may be affected. Besides, due to flash flood fisheries may be affected by various diseases. As a whole due to climate change in future in this union fish production may be reduced severely.</p> <p>Bahara Union :</p> <p>In future, due to climate change in Bahara union of Shulla Upazila seasonal flood 12 metric tonnes fishes of 62 ponds may be affected. Besides, due to flash flood fisheries may be affected by various diseases. As a whole due to climate change in future in this union fish production may be reduced</p> |

| Sectors | Description |
|----------------|--|
| | <p>severely.</p> <p>Hobibpur Union :</p> <p>In future, due to climate change in Hobibpur union of Shulla Upazila seasonal flood 10 metric tonnes fishes of 43 ponds may be affected. Besides, due to flash flood fisheries may be affected by various diseases. As a whole due to climate change in future in this union fish production may be reduced severely.</p> <p>Shulla Union :</p> <p>In future, due to climate change in Shulla union of Shulla Upazila seasonal flood 5 metric tonnes fishes of 26 ponds may be affected. Besides, due to flash flood fisheries may be affected by various diseases. As a whole due to climate change in future in this union fish production may be reduced severely.</p> |
| Trees & plants | <p>Due to climate change in future, frequent seasonal floods and Kalboishakhi Jhar may hit in this upazila and its smash up may be increased. Trees & plants may have huge affect from this. Due to the climate change in future in Shulla upazila, union wise different disaster damage trend are as follows;</p> <p>Atgaon Union :</p> <p>In future, due to climate change in Atgaon union of Shulla Upazila seasonal floods may damage 2529 tree & plants, Kalboishakhi Jhar 225 trees & plants.</p> <p>Bahara Union :</p> <p>In future, due to climate change in Bahara union of Shulla Upazila seasonal floods may damage 753 tree & plants, Kalboishakhi Jhar 100 trees & plants.</p> <p>Hobibpur Union :</p> <p>In future, due to climate change in Hobibpur union of Shulla Upazila seasonal floods may damage 1373 tree & plants, Kalboishakhi Jhar 50 trees & plants.</p> <p>Shulla Union :</p> <p>In future, due to climate change in Shulla union of Shulla Upazila seasonal floods may damage 1221 tree & plants, Kalboishakhi Jhar 170 trees & plants.</p> |

| Sectors | Description |
|---------|--|
| Health | <p>Due to climate change in future, frequent seasonal floods, kalbaishakhi jhar and draught may occur in this upazila and its smash up may be increased. Health sector may be affected seriously. That is different types of diseases may breakout. Besides, due to kalbaishakhi jhar and thunder storm peoples may be injured and death case may be happened. Due to the climate change in future in Shulla upazila, union wise different disaster damage trend are as follows;</p> <p>Atgaon Union :</p> <p>In future, due to climate change in Atgaon union of Shulla Upazila among 31466 population 1.68% may suffer from diarrhea, 0.9% (children) may suffer pneumonia, 0.5 % may suffer from Typhoid, 0.2% may suffer from dysentery, 1.3% may suffer from Jhondish, 2.1% may suffer from skin diseases and 1.8% may suffer different viral diseases by seasonal flood. On the other hand, among 31446 populations 1.02% may suffer from diarrhea, 1.5% may suffer from dysentery, 0.5% may suffer from Jhondish by draught. As a result, each and every family of this union may have different loses including economic insolvency.</p> <p>Bahara Union :</p> <p>In future, due to climate change in Bahara union of Shulla Upazila among 27515 population 2.1% may suffer from diarrhea, 0.5% (children) may suffer pneumonia, 0.3 % may suffer from Typhoid, 1.15% may suffer from dysentery, 1.5% may suffer from Jhondish, 2.2% may suffer from skin diseases and 1.2% may suffer different viral diseases by seasonal flood. On the other hand, among 27515 populations 0.1% may suffer from diarrhea, 1.2% may suffer from dysentery, 1.06% may suffer from Jhondish by draught. As a result, each and every family of this union may have different loses including economic insolvency.</p> <p>Hobibpur Union :</p> <p>In future, due to climate change in Hobibpur union of Shulla Upazila among 29534 population 1.2% may suffer from diarrhea, 1.08% (children) may suffer pneumonia, 0.9 % may suffer from Typhoid, 1.7% may suffer from dysentery, 1.9% may suffer from Jhondish, 1.5% may suffer from skin diseases and 1.1% may suffer different viral diseases by seasonal flood. On the other hand, among 29534 populations 1.04% may suffer from diarrhea, 0.2% may suffer from dysentery, 2% may suffer</p> |

| Sectors | Description |
|-------------|--|
| | <p>from Jhondish by draught. As a result, each and every family of this union may have different loses including economic insolvency.</p> <p>Shulla Union :</p> <p>In future, due to climate change in Shulla union of Shulla Upazila among 25228 population 1.82% may suffer from diarrhea, 0.5% (children) may suffer pneumonia, 1.07 % may suffer from Typhoid, 1.5% may suffer from dysentery, 1.6% may suffer from Jhondish, 1.7% may suffer from skin diseases and 1.9% may suffer different viral diseases by seasonal flood. On the other hand, among 25228 populations 1.02% may suffer from diarrhea, 1.05% may suffer from dysentery, 1.5% may suffer from Jhondish by draught. As a result, each and every family of this union may have different loses including economic insolvency.</p> |
| Livelihoods | <p>Due to climate change in future, frequent flash floods, seasonal floods, Kalboishakhi Jhar, Hail storm and Draught may occur in this upazila and its smash up may be increased. Agriculture and fisheries may be affected seriously from these and employment opportunity may be squish and mash up in business which may affect livelihood of the people unenthusiastically. Due to the climate change in future in Shulla upazila, union wise different disaster damage trend are as follows;</p> <p>Atgaon Union :</p> <p>In future, due to climate change in Atgaon union of Shulla Upazila, in case of flash flood 689 farmers, 987 fishermen and 1037 day labor may be affected. In seasonal flood 938 day labor, 218 businessmen, 7 boatmen and 125 service holders may be affected. In Kalboishakhai Jhar 107 farmers, 287 day labor and 37 businessmen may be affected. On the other hand more then 57 farmers may be affected by draught.</p> <p>Bahara Union :</p> <p>In future, due to climate change in Bahara union of Shulla Upazila, in case of flash flood 789 farmers, 675 fishermen and 1082 day labor may be affected. In seasonal flood 1207 day labor, 227 businessmen, 13 boatmen and 103 service holders may be affected. In Kalboishakhai Jhar 93 farmers, 212 day labor and 25 businessmen may be affected. On the other hand</p> |

| Sectors | Description |
|---------|---|
| | <p>more then 57 farmers may be affected by draught.</p> <p>Hobibpur Union :</p> <p>In future, due to climate change in Hobibpur union of Shulla Upazila, in case of flash flood 1189 farmers, 482 fishermen and 889 day labor may be affected. In seasonal flood 1417 day labor, 75 businessmen, 15 boatmen and 77 service holders may be affected. In Kalboishakhai Jhar 102 farmers, 127 day labor and 17 businessmen may be affected. On the other hand more then 76 farmers may be affected by draught.</p> <p>Shulla Union :</p> <p>In future, due to climate change in Shulla union of Shulla Upazila, in case of flash flood 1579 farmers, 575 fishermen and 779 day labor may be affected. In seasonal flood 1102 day labor, 110 businessmen, 12 boatmen and 109 service holders may be affected. In Kalboishakhai Jhar 75 farmers, 215 day labor and 25 businessmen may be affected. On the other hand more then 40 farmers may be affected by draught.</p> |
| Water | <p>Due to climate change in future, frequent seasonal flood and draught may occur in this upazila and its smash up may be increased. Tube well may be affected seriously from these. Besides, as a result of climate change under ground water level may be lower day by day. As a result scarcity of drinking water may be happened. Due to the different disaster in Shulla upazila, union wise affect trend are follows:</p> <p>Atgaon Union :</p> <p>In future, due to climate change in Atgaon union of Shulla Upazila, in case of seasonal flood 98 tube well may be damage. As a result scarcity of drinking water may happen in this area then due to lack of pure water local peoples may suffer from various types of water borne diseases.</p> <p>Bahara Union :</p> <p>In future, due to climate change in Bahara union of Shulla Upazila, in case of seasonal flood 43 tube well may be damage. As a result scarcity of drinking water may happen in this area then due to lack of pure water local peoples may suffer from various types of water borne diseases.</p> |

| Sectors | Description |
|----------------|---|
| | <p>Hobibpur Union :</p> <p>In future, due to climate change in Hobibpur union of Shulla Upazila, in case of seasonal flood 51 tube well may be damage. As a result scarcity of drinking water may happen in this area then due to lack of pure water local peoples may suffer from various types of water borne diseases.</p> <p>Shulla Union :</p> <p>In future, due to climate change in Shulla union of Shulla Upazila, in case of seasonal flood 59 tube wells may be damage. As a result scarcity of drinking water may happen in this area then due to lack of pure water local peoples may suffer from various types of water borne diseases.</p> |
| Infrastructure | <p>Due to climate change in future, frequent flash floods, seasonal floods, Kalboishakhi Jhar may occur in this upazila and its smash up may be increased. Different types of infrastructure such as roads, embankment, bridge, culverts, education institutes, religious institutes, houses etc. may be damaged and it may be huge in future. In future, due to the different disaster in Shulla upazila, union wise affect trend are as follows;</p> <p>Atgaon Union :</p> <p>In future, due to climate change in Atgaon union of Shulla Upazila in flash flood 15 KM embankment (partial), 13 KM roads may be affected. In seasonal flood 14 KM embankment, 07 KM roads (partial), 3541 home & homestead, 7 educational institutes, 15 religious institutes and 5400 latrines may be affected. Due to Kalboishakhai Jhar 210 home & homestead (fully), 112 home & homestead (partial), 3 educational institutes, 10 religious institutes, 5 latrines and 5 electric pillar may be affected.</p> <p>Bahara Union :</p> <p>In future, due to climate change in Bahara union of Shulla Upazila in flash flood 8 KM embankment (partial), 6 KM roads may be affected. In seasonal flood 16 KM embankment, 05 KM roads (partial), 2731 home & homestead, 3 educational institutes, 09 religious institutes and 4108 latrines may be affected. Due to Kalboishakhai Jhar 140 home & homestead (fully), 988 home & homestead (partial), 2 educational institutes, 14 religious institutes, 8 latrines and 4 electric pillars may be affected.</p> |

| Sectors | Description |
|---------|--|
| | <p>Hobibpur Union :</p> <p>In future, due to climate change in Hobibpur union of Shulla Upazila in flash flood 9 KM embankment (partial), 7 KM roads may be affected. In seasonal flood 20 KM embankment, 08 KM roads (partial), 2953 home & homestead, 3 educational institutes, 7 religious institutes and 3541 latrines may be affected. Due to Kalboishakhai Jhar 207 home & homestead (fully), 575 homes & homestead (partial), 12 educational institutes, 17 religious institutes, 13 latrines and 2 electric pillars may be affected.</p> <p>Shulla Union :</p> <p>In future, due to climate change in Shulla union of Shulla Upazila in flash flood 11 KM embankment (partial), 9.5 KM roads may be affected. In seasonal flood 19 KM embankment, 06 KM roads (partial), 3541 homes & homestead, 5 educational institutes, 5 religious institutes and 4100 latrines may be affected. Due to Kalboishakhai Jhar 120 homes & homestead (fully), 470 homes & homestead (partial), 15 educational institutes, 12 religious institutes, 17 latrines and 3 electric pillars may be affected.</p> |

Section 3: Disaster Risk Reduction

3.1 Risk Factors Identification

| Hazards | Reasons | | |
|----------------------------------|--|--|---|
| | Immidiatae | Mid Term | Final |
| Flash flood | Heavy rainfall and Upstream water | Siltation in rivers and canals Lack of maintenance of the embankments, lack of required sluice gates. | Geographical location and effect of climate change. |
| Seasonal flood | Heavy rainfall and Upstream water | Siltation in rivers and canals | Geographical location and effect of climate change. |
| Kalboishakhai Jhar (Norwest hit) | Impact of seasonal wind and geographical location of the Upazila | Inadequate trees and plants. | Affect of climate change. |
| Hail storm | Impact of seasonal wind and geographical location of the Upazila | Inadequate trees and plants, area of haor, heavy raifall area | Affect of climate change. |
| Draught | Underground water stage. | Inadequate trees and plants | Affect of climate change |

3.2 Identify Means of Risk Reduction

| Hazards | Feasible Measures of Risk Reduction | | |
|-------------|--|--|--|
| | Short Term | Mid Term | Long Term |
| Flash flood | <ul style="list-style-type: none"> • Early variety of paddy seeds 28 & 45 supply • Timely embankment repaired and maintenance • Manage drainage | <ul style="list-style-type: none"> • Construction of sluice gate • Rubber dam making • Readiness of Volunteers groups | <ul style="list-style-type: none"> • Construction of embankment • Dragging of rivers and cannels • Plantation of Hijal & koros forests to |

| Hazards | Feasible Measures of Risk Reduction | | |
|----------------|--|--|--|
| | Short Term | Mid Term | Long Term |
| | <ul style="list-style-type: none"> system • Preservation of crop seeds. • Early warning system establishes. | | <ul style="list-style-type: none"> protect lives from the weaves. |
| Seasonal flood | <ul style="list-style-type: none"> • Dam repair • Drainage system establishing • Repair shelters • Plinth raising • Keeping engine boat ready for emergency rescue, treatment and supports • Shelter repair. • Prepare protection walls with Ikor, bushes, nolkhagra, dolkolmi, etc to protect villages, roads, and dams from the damage of the weaves. • Emergency treatment • Pure drinking water and water | <ul style="list-style-type: none"> • Placement of rubber dam • Village protection wall construction • Keeping volunteers groups ready • Upholding of tub-wells in the low-laying areas up to flood levels. • Construction of earth-hillers • Village disaster management committee formation • Formation of sub-committees in each village. • Formation volunteers groups • Emergency | <ul style="list-style-type: none"> • Construction of earth hillers. • Roads rising above the flood level. • Dragging of rivers and cannels • Hissal & korose plantation to protect village and lives. • Construction of sustainable dam with blocks. • Sub-merge able road construction • Road construction • Culvert construction • Bridge making • Emergency |

| Hazards | Feasible Measures of Risk Reduction | | |
|---------|--|--|---|
| | Short Term | Mid Term | Long Term |
| | purification tablets distribution. <ul style="list-style-type: none"> • Emergency medicine and saline preservation • Crops seeds preservation • Important deeds & agreements preservation • Storage of dry food. • Furniture and assets preservation • Boat, floating elements (vehla) , van etc keeping ready • Inclination of Volunteers groups • Early warning message dissemination • Social awareness activities • Emergency rescue works management • Accompanying the distressed | fund raising <ul style="list-style-type: none"> • Mock drill on emergency rescue • Contingency stock 9 life jacket, touch lights, whistle, hand mike , rope etc. • Store house (emergency medicine, tents and poly-things) • Fodder cultivation like germon, nipier etc. | relief arrangement <ul style="list-style-type: none"> • Awareness building by courtyard meeting. • Awareness building through school session. • Village disaster management committee's monthly meeting organizing. • Union disaster management committee's monthly meeting at union levels. • Upazila disaster management committee's monthly meeting at Upazila levels. • Education materials development (leaflets, brochure, booklets, poster etc.) |

| Hazards | Feasible Measures of Risk Reduction | | |
|----------------------------------|---|--|---|
| | Short Term | Mid Term | Long Term |
| | to the shelters. | | <p>for awareness building</p> <ul style="list-style-type: none"> • Establishment of billboards for awareness building. • Facilitation of trade based training and supply necessary materials to involve in the income generating activities. • Provide training for volunteers groups on search and rescue |
| Kalboishakhai Jhar (Norwest hit) | <ul style="list-style-type: none"> • Emergency medicine and saline preservation • Crops seeds preservation • Important deeds and agreements preservation • Storage of dry foods. • Furniture and | <ul style="list-style-type: none"> • Tree plantation • Readiness of volunteers groups. • Formation of village disaster risk reduction groups • Formation sub-committee (3 in each | <ul style="list-style-type: none"> • Social forestry • Hissal & korose plantation to protect village and lives. |

| Hazards | Feasible Measures of Risk Reduction | | |
|------------|--|--|--|
| | Short Term | Mid Term | Long Term |
| | assists preservation <ul style="list-style-type: none"> • Boat, floating materials and van preservation. • Readiness of volunteers groups. • Early warning broadcasting • Social awareness activities. • Emergency rescue activities performs • Accompanying the distressed to the shelter | village) <ul style="list-style-type: none"> • Formation of volunteer groups • Emergency fund raising • Search & rescue mock drill arrangement • Contingency stock (life jackets, touch lights, whistle, hand mike , rope etc.) • Store house (emergency medicine, tents, poly-thins) | |
| Hail storm | Social awareness activities | Tree plantation | <ul style="list-style-type: none"> • Awareness building by courtyard meeting. • Awareness building through school session • Social forestry |
| Draught | Irrigation management | Rever & cannel dragging | <ul style="list-style-type: none"> • Tree plantation • Social awareness |

| Hazards | Feasible Measures of Risk Reduction | | |
|---------|-------------------------------------|----------|----------------------|
| | Short Term | Mid Term | Long Term activities |
| | | | |

3.3 Development Plan of NGO's

| Sl. No. | Name of NGO | Activities on Disaster | No.of Beneficiaries | Project Duration |
|---------|----------------|---|---------------------|------------------|
| 1. | IDEA | Assistancy of Agriculture(Training & awareness) | 1100 family | Nov'13-Jun'14 |
| 2. | Islamic Relief | ECCADR project | 400 family | July'13- June'16 |

3.4 Disaster Management Work Plan

3.4.1 Pre Disaster Preparedness

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|---|--------------|--------------------|---|----------------------------------|--------------------------|-------------|------|-------|---|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| 1. | Plinth raising | 600 No. | 4,800,000 | Low lying and flood prone unions | February to March | 20% | 10% | 30% | 40% | Proposed activities will aware the community peoples to take disaster preparedness and initiatives which will contribute in |
| 2. | Embankment reconstruction | 91.10 KM | 25,000,000 | Chhayar haor, Kaligotar badh, Vandar badh, Gachherdohor badh, Beradohor badh, Bagua badh, Purarpar badh, Monua badh & Kankon- Darain. | January to February | 20% | - | 40% | 40% | |
| 3. | Provide early varieties paddy seeds (28 & 45) and fertilizer (10 kg. seeds, uria-50 kg., TSP-25 kg., MOP-25 kg., gipsam-25 kg and | 1200 farmers | 3,000,000 | Poor farmers | December to January | 40% | - | 40% | 20% | |
| 4. | River dragging | 20 KM | 40,000,000 | Chanti river: from Morapur to Brahmangaon-4KM Darain river: From Bahara to bera Mohona's Moukh- | November to March | 30% | - | 50% | 20% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|--|------------------------|--------------------|--|----------------------------------|--------------------------|-------------|------|-------|---|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | | | | 10km. Darain river: From Bahara to Dampur-2km. Fenkhay river: Near Batigaon-4km. | | | | | | immediate disaster risk reduction. Through this people's lives and assets will reduce. Right implementation of these activities will improve the socio econom |
| 5. | Arrange the Trolley for carrying crops from haor | 12 No's | 1,200,000 | Per Union three trolley | November to March | 20% | - | 50% | 30% | |
| 6. | Sluice gate construction | 01 Nos | 30,000,000 | Katakhaly/Mouti | November to March | 50% | - | 20% | 30% | |
| 7. | Culvert construction | 24 | 3,600,000 | Per Union six culvert construction. | November to March | 40% | - | 15% | 45% | |
| 8. | Ring pipe (2" dia) | 400 pcs. (each 6 feet) | 1,000,000 | Katakhali/Mouti sluice gate | November to March | 15% | - | 40% | 45% | |
| 9. | Village protection wall construction | 12 No.s | 84,000,000 | Per Union three | November to March | 15% | - | 45% | 40% | |
| 10. | Construct graveyard/Shashanghat | 16 No.s | 32,000,000 | Per uion four | November to | 15% | - | 40% | 45% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|--|--------|--------------------|--------------|----------------------------------|--------------------------|-------------|------|-------|--|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | protection wall | | | | March | | | | | ic condition of the risky haor peoples which will contribute in the national development |
| 11. | Readiness of engine boat for emergency rescue, treatment services and support. | 4 No.s | 2,400,000 | Per uion one | November to March | 40% | - | 15% | 45% | |
| 12. | Make engine boat for carrying students | 4No.s | 2,800,000 | Per uion one | November to March | 40% | - | 15% | 45% | |
| 13. | Readiness of Volunteer groups | 4No.s | - | Per uion one | April to | 20% | - | 50% | 30% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|-------------------------------------|---------|--------------------|---|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | | | | | November | | | | | |
| 14. | Maintenance of Shelter | 8 No.s | 620,000 | Shelters | November to March | 30% | - | 50% | 20% | |
| 15. | Re-excavation of Canals | 12 Km. | 2,400,000 | Gudermoukh to Dampur-5km. Dairerkhal (Shulla)-2.5 km. Baguyabon to Douderpur sluice ghat-1.5 km Katakhali/mouthibeelerkhal-2 km. Bagua beel to Pukurpar - 1.km. | January to February | 20% | - | 40% | 40% | |
| 16. | Construct earth place (Matir killa) | 17 No.s | 34,000,000 | Atgaon Union: Borogaon Shosarkanda, Daudpur. Bahara Union: Muktarpur & Nainda, Sultanpur's Eidgah, Bahara Shomsree, Rupsha & | January to February | 20% | - | 40% | 40% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|--|-----------|--------------------|--|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | | | | Mirzakanda. Shulla Union: Dampur, Roaya, Kandigaon, Sennagor and Shulla. Habibpur: Habibpur & Nowagaon, Sashkai, Mourapur and Soroshpur. | | | | | | |
| 17. | Formation of village disaster management committee | 121 No.s | - | 121 villages | November | - | - | - | 100% | |
| 18. | Formation of subcommittee (3 in each village) | 363 No.s | - | 121 villages | November | - | - | - | 100% | |
| 19. | Formation of volunteer group | 36 | - | - | November | - | - | - | 100% | |
| 20. | Hisol and Koroch forest to protect village and bio diversity from waves (50000 plants for each forest) | 4 No.s | 10,000,000 | Four Union | November to March | - | - | - | 100% | |
| 21. | Sanitary Latrine installation | 2000 No.s | 4,000,000 | Four Union | October to March | 20% | - | 40% | 40% | |
| 22. | Tube well installation | 250 No.s | 16,250,000 | In all the 4 unions | October to | 20% | - | 40% | 40% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|--|--------|--------------------|---|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | | | | | March | | | | | |
| 23. | Fider road construction & reconstruction | 72 km. | 36,000,000 | <p>From Santipur to Chairakanda grave yard via sultanpur -3 km.</p> <p>From Jatrapur through Sumeshory and Bahara Uttarhati to Shibpur (Bahara)-3 km.</p> <p>From Kandigaon to Pipra (Bahara)-07km.</p> <p>From Gorererbon to sultanpur (Bahara)-2 km.</p> <p>From Meda Ahad Nur's house to Pakarasta through grave yard-2km.</p> <p>From Darain River to main road of Joton's Land through till Kanay -03km.</p> <p>From Jatrapur to Borotek</p> | October to March | 20% | - | 40% | 40% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|------------|--------|--------------------|--|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | | | | (Bahara)-1km. From Bilpur to Foyzullahpur (Habibpur)-3km. From Bishnupur school to main raod of Aguya-3km. (Habibpur) From Sushkhai Sumeshory to Foyzullahpur Govt. Primary school-3.5km.(Habibpur) From Samsundor Govt. Primary School to Narkilla-0.5km with wall (Habibpu)-5km. From Uzanigaon to Mahmoodnagor (Atgaon)-4.5km.(2.5kmwith walls of eastern side). From Doudpur to Soriyotpur | | | | | | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|------------|--------|--------------------|---|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | | | | (Atgaon)-2.5km. From Rahutola Bazar to Rohutola village (Atgaon)-2km. From Doulutpur village to Anondopur Bazer(Atgaon)-5km(Reconstruction) From Sosharkanda to Kosba (Atgaon)-3.5km. From Shulla bazaar to Shamnagor via Alinagor (Shulla)-5km. From Goromkhali to Garighat (Shulla)-4 km. From Bhatgaon to Dampur (Shulla)-4 km. From Abda Shonkorpor to Garighat (Shulla)-3 km. | | | | | | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|---|---------|--------------------|--|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | | | | From Satpara Bazar to Gobindopur(Shulla)-4 km | | | | | | |
| 24. | Construct high earth place (high khola) for cutting and drying paddy during flash flood | 12 No's | 6,00,000 | Three per Union | October to March | 10% | - | 10% | 80% | |
| 25. | Construct sub-mergable road (RCC) | 34 km. | 17,000,000 | From Gungyargaon to Protappur(Bahara)-5 km (RCC) From Samsundor school to Hasanpur (Hobibpur)-2 km. From Anguyar to Prtappur(Bahara & Hobibpur)-5 km. From Gungyargaon Kheyaghat to Borobari via Moutibadh and Kanakhali (Bahara)-2 km. From Upazilla bazar Purbopar to Nodirpar via | Jan to March | 20% | - | 40% | 40% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|------------|--------|--------------------|--|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | | | | <p>Godown(Bahara)- 05.km.</p> <p>From Sumeshory Pak a raod to Jatrapur paka raod-1km.</p> <p>From Main roar to Mourapur Govt Primary school (Atgaon) -1km.</p> <p>From Doulotpur to Dudu Hazi's home to Kalannaibad(Atgaon)-1.5km.</p> <p>From Kandigaon to Shulla Bazar via Baggaon(Shulla)-5km.</p> <p>From satpara Bazar to Ruya village (Shulla)-5km.</p> <p>From Alinagor to the bank of Darain river (Shulla)-2 .5 km.</p> <p>From Satpara Bazar to Gobindopur (Shulla)-3 km</p> | | | | | | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|--|----------|--------------------|--|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| 26. | Activate Community Clinic | 5 No.s | 500,000 | Horipur, Beradohor, Kashipur, Uzanigaon and Mahmoodnagor Community Clinic. | November to March | 20% | - | - | 80% | |
| 27. | Raise school fields over the flood levels | 17 No's | 1,700,000 | Shulla, Anondopur, Noyagaon, Protappur, Kolimpur, Khalapra, Habibpur, Mohdebpasha, Yarabad, Rogunathpur, Shibpur and Dokhinhat Govt Primay School. Aslam Uddin Public High school, Saodershree School & College, Mada , Notun & Poraton Mirakand and Tajpur Govt Primary school. | Jan to March | - | - | - | 100% | |
| 28. | Repair fider road (gopat) for carrying paddy from haor | 20 km. | 2,000,000 | 5 km. for per Union. | November to March | 20% | - | 40% | 40% | |
| 29. | Motivate community people for using improved cook stove and portable stove to reduce carbon emission | 4 Unions | - | Four per Union | Oct to Sep | - | - | - | 100% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|---|------------------|--------------------|---|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| 30. | Training on TBA | 1 batch/ 20 psn. | 140,000 | One batch for 20 participants from four Union. | Oct to Sep | - | - | - | 100% | |
| 31. | Power Pump for Irrigation | 16 nos. | 320,000 | 1 pump for each unions | Jan To March | 20% | - | 40% | 40% | |
| 32. | Construct brick built irrigation channel | 12 nos. | 2,400,000 | Per unions 3 KM | Jan to Mar | 20% | - | 40% | 40% | |
| 33. | Arrange excavator | 4 nos. | 10,000,000 | 1 excavator for each Union | November to March | 20% | - | 40% | 40% | |
| 34. | Construct passenger shed | 24 nos. | 7,200,000 | 6 sheds for each Union | Jan to March | 20% | - | 40% | 40% | |
| 35. | Arrange trolley with pump & pipe for fire extinguishing | 4 nos. | 2,000,000 | 1 trolley for each Union | Oct to Sep | 20% | - | 40% | 40% | |
| 36. | Veterinary clinic establishment for livestock treatment | 4 nos. | - | One clinic for each union | Oct to Sep | - | - | - | 100% | |
| 37. | Organize mock-drill/simulation at school level | 12 nos. | 120,000 | Sahid Ali High School, Gobindra Chandra Girls High School, Giridhor High School, Samsundor High School, Hafez Ali High School, Mahmoodnagar High school, Saodershree School & | November to December | - | - | - | 100% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|--|---------|--------------------|--|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | | | | College, Aslampur Uddin Public high School, Chakuya Junior High School, Sorolal Junior high School, Bolorampum High School & Shulla Degree College. | | | | | | |
| 38. | Upholding playground over the flood levels | 4 nos. | 20,000,000 | Per Union 1 field | Jan to March | 20% | - | 40% | 40% | |
| 39. | Construction of ghat | 12 nos. | 1,200,000 | Per Union 3 ghats | Jan to March | 20% | - | 40% | 40% | |
| 40. | Entertainment/Amusement park for Students | 4 nos. | 2,000,000 | Per Union 1 park | Jan to March | 20% | - | 40% | 40% | |
| 41. | Arrange life Jacket for the students in rainy season | 80 nos. | 240,000 | For four engine baots | Neveember to March | 40% | - | 15% | 45% | |

3.4.2 During Disaster Preparedness

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|---|-------------|--------------------|--------------|----------------------------------|--------------------------|-------------|------|-------|---|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| 1 | During disaster plan | - | - | | | | | | | Proposed activities will assist to reduce damage of people's lives and assets during disaster period. |
| 1.1 | Personal preparedness | - | - | | | | | | | |
| 1.1.1 | Emergency medicine and saline preservation | As per need | - | 121 village | June to November | - | 100% | - | - | |
| 1.1.2 | Crop seeds preservation | As per need | - | 121 villages | June to November | - | 100% | - | - | |
| 1.1.3 | Important deeds and agreements preservation | As per need | - | 121 villages | June to November | - | 100% | - | - | |
| 1.1.4 | Storage of dry food | As per need | - | 121 villages | June to November | - | 100% | - | - | |
| 1.1.5 | Furniture & fixture and assets preservation | As per need | - | 121 villages | June to November | - | 100% | - | - | |
| 1.1.6 | Boat, van, and floating materials keeping ready | As per need | - | 121 villages | June to November | - | 100% | - | - | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|---|-------------|--------------------|-------------|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| 2 | Social preparedness | - | - | | | | | | | |
| 2.1 | Volunteer group preparation | 4 | - | | | 20% | 30% | 20% | 30% | |
| 2.1.1 | Early warning message broadcasting | As per need | - | | | 30% | 20% | 10% | 40% | |
| 2.1.2 | Emergency fund | 4 | 1,000,000 | In 4 unions | November | 30% | 20% | 10% | 40% | |
| 2.1.3 | Rescue works preparedness (Mock drill arrangement) | 4 | 250,000 | In 4 unions | May to June | 30% | 20% | 10% | 40% | |
| 2.1.4 | Contingency stock (Life jacket, touch light, whistle, hand mike etc) | 4 | 50,000 | In 4 unions | March to April | 30% | 20% | 10% | 40% | |
| 2.1.5 | Store house (emergency medicine tends, and polithin) | 4 | 50,000 | In 4 unions | March to April | 30% | 20% | 10% | 40% | |
| 2.1.6 | Community awareness activities | As per need | - | In 4 unions | October to September | - | - | - | 100% | |
| 2.1.7 | Emergency rescue works | As per need | - | In 4 unions | As per need | 30% | 10% | 20% | 40% | |
| 2.1.8 | Accompany distress peoples to the shelter (women, pregnant womwn, children, | As per need | - | In 4 unions | June to November | 30% | 10% | 30% | 30% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|----------------|--------|--------------------|-------------|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | disable, aged) | | | | | | | | | |

3.4.3 Post Disaster Preparedness

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|--|-------------|--------------------|----------------|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| 1. | Road repairing | 25 K.M | 1,000,000 | Damaged Roads | December-February | 50% | - | 20% | 30% | |
| 2. | House repairing | 1500 Nos. | 15,000,000 | Damaged houses | January-March | 50% | - | 20% | 30% | |
| 3. | Provide emergency treatment | 2000 family | 100,000 | Affected area | January – March | 50% | 10% | 20% | 20% | |
| 4. | Distribute pure water and water purifying tablet | 2000 family | 400,000 | Affected area | June-November | 50% | 10% | 10% | 30% | |
| 5. | Repairing of damaged embankment | 7.5 km. | 37,500,000 | 7 embankments | January-February | 40% | - | 20% | 40% | |
| 6. | Tree plantation at homestead | 5000 family | - | In 4 unions | December-January | - | - | - | 100% | |
| 7. | Cultivate Jarmon; Nepeyar grass etc. to ensure livestock | As per | - | In 4 unions | June-Novem | - | - | - | 100% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|---|-------------|--------------------|-------------|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | feeds. | need | | | ber | | | | | |
| 8. | Veterinary clinic establishment for livestock treatment | As per need | - | In 4 unions | June-November | 50% | - | - | 50% | |
| 9. | Arrange relief during emergency period | 2000 family | 6,000,000 | In 4 unions | June-November | 10% | 10% | - | 80% | |
| 10. | Tub well repair | 400 Nos. | 800,000 | In 4 unions | Dec. to Jan. | 20% | 80% | - | - | |
| 11. | Create employment opportunity | 500 psn. | 2,500,000 | In 4 unions | Dec. to Jan | 20% | 80% | | | |

3.4.4 During Normal Period/ Risk Reduction Period

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|---|-----------|--------------------|------------------|----------------------------------|--------------------------|-------------|------|-------|---|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| 1 | Create awareness through courtyard meeting | 1452 nos. | - | In 4 Unions | October-September | 10% | 40% | 10% | 40% | If proposed activities during peace time are implemented, it will help to reduce the damage of people's lives and assets. |
| 2 | Create awareness through school session | 1368 nos. | - | In 4 Unions | October-September | 30% | 20% | 10% | 40% | |
| 3 | Monthly meeting of Village disaster management committee at village level | 1452 nos. | - | In 4 Unions | October-September | 10% | 30% | 10% | 50% | |
| 4 | Monthly meeting of union disaster management committee at Union level | 48 nos. | 24,000 | In 4 Unions | October-September | 10% | 30% | 30% | 30% | |
| 5 | Monthly meeting of upazila disaster management committee at upazila level | 12 nos. | 12,000 | At upazila level | October-September | 40% | - | 20% | 40% | |
| 6 | Develop education materials for awareness building | 5000 nos. | 500,000 | In 4 Unions | October- | 20% | 30% | 10% | 40% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|---|----------------------|--------------------|----------------|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | (leaflet, bruchure, booklet, poster etc.) | | | | September | | | | | |
| 7 | Install billboard for awareness building | 4 nos. | 400,000 | In 4 Unions | October-September | 20% | 30% | 10% | 40% | |
| 8 | Arrange tradebased training and provide materials for IGA | 400 persons | 2,000,000 | In 4 Unions | October-September | - | - | - | 100% | |
| 9 | Provide search and rescue training for volunteer group | 36 batch/2541 person | 255,000 | In 4 Unions | October-February | 20% | 20% | 20% | 40% | |
| 10 | Provide training to Union Disaster Management Committee on Disaster Management. | 4 batches | 120,000 | In 4 Unions | October-February | 20% | 20% | 20% | 40% | |
| 11 | Provide training on Disaster Management to Upazila | 1 batch | 30,000 | Upazilla level | October-Febru | 20% | - | - | 80% | |

| Sl. No. | Activities | Target | Approximate Budget | Where to Do | Tantative Date of Implementation | Who will do and how much | | | | Adjustment with Development Plan |
|---------|---|-------------------------|--------------------|---------------------------|----------------------------------|--------------------------|-------------|------|-------|----------------------------------|
| | | | | | | Upazila Administration % | Community % | UP % | NGO % | |
| | Disaster Management Committee | | | | ary | | | | | |
| 12 | Provide training to farmers on fertilizer and irrigation management | 40 Batches /1000 person | 1,000,000 | In 4 Unions | October-February | 50% | - | - | 50% | |
| 13 | Organize street drama and folk song (Jharigan) for awareness | 8 No.s | 56,000 | 2 in each of the 4 unions | October-February | - | - | - | 100% | |

Section 4: Emergency Response

4.1 Emergency Operation Centre (EOC)

| SL. No. | Name | Designation | Mobile No. |
|---------|----------------------|--|--------------|
| 1. | Mohammad Altaf Hosen | Upazila Nirbahi Officer, Shulla | 01911-534466 |
| 2. | Md. Arsadul Alam | Project Implementation Officer, Shulla | 01913-950790 |
| 3. | Md. Yunus Meah | Upazila Social Welfare Officer, Shulla | 01821-582394 |
| 4. | Md. Sahidul Islam | Officer incharge (Police), Shulla | 01715-725111 |
| 5. | Md. Zakir Hosen | Chairman, Bahara UP, Shulla. | 01718-376513 |

4.1.1 Conduct Emergency Control Room

- Emergency Control Room will be established at Upazila Parishad during disaster period. Ensure at least 3/4 volunteer and police members presence at that time.
- Responsible persons of Upazila Parishad Upazila will be overall in charge for control room. Total 3 volunteer group and in each group at least 3 persons will be responsible for control room by day-night
- Always communicate with district town.
- A register will be preserved at the control room. Who will take responsibility and what message received and what message sent will be documented in this register.
- The upazila map, hanged on the wall will be indentified different union location, different village communication road, cannel, embankment etc. To identify more affected area during post disaster.
- Radio, hazak, charge light, 5 toruch light, gumboot, lifejaket, battery, rain coat etc. will be stored at control room due to good service delivery.

4.2 Contingency Plan

| Sl. No. | Activities | Target | When Done | Responsible Person | Who will Help | How Done | Communication |
|---------|--|------------|---------------------------|----------------------------------|--|--|---|
| 1. | Keep ready volunteer group | 4 nos. | 12 months | UP Chairman | UzDMC, non-government organization and public | Provide training and equipments, personal communication | Responsible representative of union & upazila disaster management committee |
| 2. | Pre caution message publicity | 4 nos. | 8 months (April-November) | Responsible volunteer | Village police | Microphone, megaphone, mosque mike, fluit, horn, drum | UDMC responsible representative |
| 3. | Keep ready Boat, Vella and van | 4 nos. | 8 months (April-November) | Responsible representative of UP | UP member | Discussed and collect phone # of Boat, car, van driver | UDMC responsible representative |
| 4. | Conduct emergency rescue activities | Need based | 8 months (April-November) | Representative of UP | Non-government organization and community people | Provide orientation to volunteer who will contribute their roll during disaster through life save boat | UzDMC & UDMC responsible representative |
| 5. | Primary treatment/health/late management | 4 nos. | 8 months (April-November) | Representative of UP | Non-government organization and community people | Collect phone # and communicate nearest health | Responsible Officer of Upazila health center |

| Sl. No. | Activities | Target | When Done | Responsible Person | Who will Help | How Done | Communication |
|---------|--------------------------------------|-------------|--------------------------|----------------------------------|--|--|---|
| | | | | | | service center | |
| 6. | Keep ready dry eat, collect medicine | 1000 family | 6 months (June-November) | UDMC responsible representative | Local businessman/non-government organization and community people | Direct discussion with community and organization who will give eat & medicine and collect phone # | UzDMC & UDMC responsible representative |
| 7. | Treatment/vaccination for livestock | Need based | 6 months (June-November) | Responsible representative of UP | Community people | Discussion with the UP responsible representative | UDMC responsible representative & upazila livestock officer |
| 8. | Maintenance of shelter | 47 nos. | 6 months (June-November) | Responsible representative of UP | Govt/non-govt. organization and community people | Visit shelter center and inform to responsible person and give solution | Communicate with UzDMC & UDMC responsible representative |
| 9. | Coordination of relief activities | 4 unions | Attendance time | Responsible representative of UP | Govt/non-govt. organization and community people | Communicate with institute/person who will support relief | Communicate with UzDMC & UDMC responsible representative |
| 10. | Organize rehearsal/drill | 4 nos. | 3 months (January-March) | Responsible representative of UP | Govt/non-govt. organization and community people | Organize drill with the support of volunteer and | Communicate with UzDMC & UDMC responsible |

| Sl. No. | Activities | Target | When Done | Responsible Person | Who will Help | How Done | Communication |
|---------|--------------------------------|--------|---------------------------|-----------------------------|-------------------------|--|---|
| | | | | | | community people | representative |
| 11. | Conduct emergency control room | 1 no. | 8 months (April-November) | District disaster committee | District administration | Collect all materials and message for control room | Communicate with district disaster management committee |

Guideline for Contingency Plan Implementation

4.2.1 Keep Ready Volunteer

- Formation of volunteer group in the leadership of UP members at ward level.
- Information and alert message publicity through volunteer at village to village.
- Organize training for volunteer group members on their responsibility about hints, message, rescue, evacuation, shelter center management and disaster risk reduce.

4.2.2 Publicity Early Warning Message

- In each ward up members of his/her area warning message will be ensured byself.
- In every hour at least one time miking will ensure up to publicity of 5 # warning message through radio and television.
- Arrange miking and ringing of madrasa and schools respectively continuously when severe warning message forcasted through radio and television.

4.2.3 Evacuation

- Risk areas peoples will start evacuation throuhg radio and television publicity and instanly ward UP members will involve with the support of volunteer for evacuation works.
- To be publicity of 8# hints for risk area peoples how they will go to shelter and volunteer group will go to home for save shelter. Speciall it shoule be evacuation and collect information that which area peoples are stay at shelter.

4.2.4 Rescue and Provide Primary Treatment

- To manage and supervise high risk area's of district/upazila disaster management committee.
- A permanent fund will be created by district/upazila disaster management committee for rescue.
- Establish and conduct temporary health campaign.

- Provide primary treatment for illness person, oldest, child and pregnant women who stay in shelter.
- UP members with the help of volunteer at ward level will be responsible for the burial of deadbody of man and death of domestic animal.

4.2.5 Shelter Maintenance

- Keep ready and required repairing of shelter centers at the very beginning disaster prone season.
- Specific safety places or shelter centers will be fixed up where people will take shelter in emergency period.
- Ensure overall safety of women, child and disabled person during disaster.
- Ensure supply of pure water and other services at shelter center.
- Assist community people for transferring of necessary resources i.e. livestock, poultry, emergency food etc. to safety places.

4.2.6 Keep Boats Ready

- District/Upazila disaster management committee will collect how many engine boat are available and how much and which will be used during disaster.
- Boat proprietor will support this work.
- Preserve mobile number of boat proprietor and boatman at emergency control room.

4.2.7 Send Loss and Damage, Need Assessment and Report

- Within 24 hours of disaster SOS form and more than 7 days form will be sent to UP chairman.
- UP chairman through UP secretary will submit the consolidated loss and damage of the union (ward size) to chairman of Upazila disaster management committee within 12 hours.

4.2.8 Coordinate Relief Program

- Different relief and rehabilitation assistance program is coordinated by UP chairman.
- Maintain register for what types of relief distribution group bring the items that groups are conducting relief work at locally and also inform to control room.
- Union disaster management committee will finalize the quantity of relief goods ward wise based on the vulnerability and loss & damage at ward level and allocated relief number of items will be publicity.

4.2.9 Collect and Keep Dry Food & Life Protecting Medicine Ready

- Dry food i.e. Cheera, Muri etc. is collected from local hat/bazar for immediate distribution.
- Rice, dal, atta, oil etc materials and house construction materials i.e. tin, loha, lilen will collect from local markets.
- Prepare list of medicine and collect it from local market with the help of union health assistant and family welfare assistant.
- Union parishad chairman will be responsible for transportation of relief and conveyance allowance of staff.

4.2.10 Treatment and Vaccine for Domestic Animal

- Preserve necessary medicine from upazila livestock hospital for UP bhaban and health center.
- To arrange training on livestock treatment for union disaster management committee.
- During animal treatment need to be involved experience people at contingency period.

4.2.11 Arrange Simulation

- To arrange simulation on warning message, forecast publicity, evacuation, rescue and primary relief work.
- To arrange simulation at strom/flood prone area continuously.
- To check out the preparedness of the community through simulation in each of month April & September.
- Specially mention of illness, disable, women, child are taken to shelter during simulation.
- Simulation will be conducted at risk area and it should be organize at risk village instead of UP.

4.2.12 Maintain Emergency Control Room (EOC)

- Establish emergency controll room at UP at the moment disaster hits. At least 3/4 volunteer and village police will be ensured.
- UP secretary and designated person will be overall responsible for control room.
- At least 3 volunteer group in each group 3 members will responsible for control room for day-night. UP secretary will supervise this work.

4.2.13 Shelters and Safe Places

- The place will not go under water during flood, far from river erosion that can be used as shelter center.
- Fixed shelter center, local school & college, govt./non-govt. institution, high road, embankment can be used as shelter center.
- Details of each shelter center will be written.
- To be presented through below table.

4.3 List of Safe Places of Upazila

| Shelter center | Name | Union name | Capacity | Remarks |
|---------------------------|--------------------------------|------------|----------|---|
| Earth place (Matir Killa) | - | - | - | There is no earth place (matir killa) in Shulla upazila |
| Strom shelter center | - | - | - | There is no strom shelter center in Shulla upazila |
| School cum center | Shulla Govt. Primary School | Shulla | 300 psn | |
| | Anandapur Govt. Primary School | Shulla | 300 psn | |
| | Noagaon Govt. Primary School | Bahara | 250 psn | |

| | | | | |
|------------------------------|-----------------------------------|----------|----------|---|
| | Protappur Govt. Primary School | Bahara | 200 psn | |
| | Kalimpur Govt. Primary School | Atgaon | 200 psn | |
| | Khalpara Govt. Primary School | Hobibpur | 250 psn | |
| | Hobipur Govt. Primary School | Shulla | 200 psn | |
| | Mohadebpur Govt. Primary School | Bahara | 300 psn | |
| | Yearabad Govt. Primary School | Hobibpur | 250 psn. | |
| | Rogunathpur Govt. Primary School | Bahara | 200 psn | |
| | Shibpur Govt. Primary School | Bahara | 250 psn. | |
| | Dakkhin Hati Govt. Primary School | Hobibpur | 300 psn. | |
| Govt. & non-govt. institutes | - | - | - | There is no GO/NGO Institutes in Shulla used as shelter. |
| UP Bhaban | - | - | - | 4 UP Bhaban located at Gungiargaon are not used as shelter. |
| High road | 2.72 k.m high Road | Bahara | 2000 | - |
| Embankment | - | - | - | As 91.10 km. embankments are below flood level, those are not safe. |

4.4 Structure of Shelter Management Committee

| Shelters | Shelter center name | Responsible person | Mobile # | Remarks |
|---------------------------|--------------------------------|--------------------|-------------|---|
| Earth place (Matir Killa) | - | - | - | There is no earth place (matir killa) in Shulla upazila |
| School cum center | Shulla Govt. Primary School | Reaj Uddin | 01710361227 | |
| | Anandapur Govt. Primary School | Sutba Rani Das | 01715643388 | |
| | Noagaon Govt. Primary | Akhil Chandra Das | 01724625968 | |

| | | | | |
|-------------------|-----------------------------------|---------------------|-------------|---|
| | School | | | |
| | Protappur Govt. Primary School | Bina Rani Roy | 01713386386 | |
| | Kalimpur Govt. Primary School | Joy Kumar Das | 01746354936 | |
| | Khalpara Govt. Primary School | Anonto Kumar Das | 01768996803 | |
| | Hobipur Govt. Primary School | Provapoti Sarkar | 01717278222 | |
| | Mohadebpur Govt. Primary School | Ajoy Kumar Talukder | 01719950778 | |
| | Yearabad Govt. Primary School | Hamid Miah | 01717847262 | |
| | Rogunathpur Govt. Primary School | Chitto Ronjon Das | 01735281717 | |
| | Shibpur Govt. Primary School | Rama Ronjon Das | 01721045181 | |
| | Dakkhin Hati Govt. Primary School | Lucky Rani Das | 01825605805 | |
| GO/NGO institutes | - | - | - | There is no GO/NGO Institutes in Shulla used as shelter. |
| High road | Md. Arshadul Alam | PIO, Shulla | 01913950790 | |
| Embankment | | | | As 91.10 km. embankments are below flood level, those are not safe. |

Shelter centers is operated through union parishad and school cum centers is operating by SMC. There is no materials and tools of shelter center and school cum center for volunteer. We need to repairing shelter center due to proper utilization. Most of shelter center is not functioning with home linked road. As a result roads need to be repairing and to be made high. Moreover, most of shelter centers has no utility facilities i.e. light, drinking water etc.

Consisting of shelter center management committee

Shelter center management is a vital parts of disaster management. Many shelter centers is not functioning due to lack of proper and timely maintainance. As a result shelter center management has included with disaster management plan.

Why shelter center management :

- To survival of life & resources during disaster
- Save livestocks during disaster
- Ensure proper used and maintainance of shelter center

Shelter center management committee :

- Formation of shelter center management committee with 7-9 members
- With the coordination of UP chairman/member/ elite perosn/teachers/NGO staffs/ land donor/ volunteer committe will be form by 7-9 members
- This cimmittee will be taken responsibilties as a management committee with consent of villergers.
- 50% of female members will involve in committee
- To be brief of the committee of their responsibility
- With the support of villergers committee will take responsibility in maintainance and overall management
- Committee will arrange periodic meeting and take decision and write meeting minues for decision implementation with timebound.
- Shelter center management committee list will attached with the disaster management plan.

Which places will be used as shelter center:

- Fixed shelter center
- Local school/college
- Govt. & non-govt. institute
- High road, embankment

Whats to be taken care of shelter center :

- Ensure shelter center tent /polithine/ORS/fitkiry/medicine (Paracetamol/Flagyl) water purifying tablet/Bleaching powder
- Keep arrangement to boil drinking water
- Seperate latrine for man & women
- Seperate bathroom for man & women
- Keep neat & clean and remove dust
- Ensure safety
- Arrange light
- Shelter center will be hygiene
- Make a list of register regarding materials and storing and return it to respective people
- Provide specific worker and volunteer for shelter center management
- To arrange food and treatment for the people take shelter at the shelter centers.

- Take care of pregnant women, oldest man & women, disable and child.

Use of shelter center :

- As usually during disaster shelter center is used for safety of community peoples
- Any social development activities will be run from shelter center besides disaster
- Can be used as primary treatment center
- Can be used as adult education centers and school
- Can be used as wireless station.

Maintenance of shelter center :

- Each shelter center will maintain properly and keep neat and clean specially.
- Take initiative at local level to maintain door & window of shelter center from damage.
- Tree plantation will be done in shelter center's land in a planned way.
- Shelter center will be locked except using it.
- Formation of shelter center management committee with follow of guideline.
- Shelter center management committee list will be attached with the disaster management plan.

4.5 List of Resources of District and Upazila (which may be used during Disaster)

| Infructation | Number | Responsible person | Mobile No. |
|---------------------------|--------|---|--------------|
| School cum shelter | 12 | Md. Arsadul Alam Project Implementation Officer, Shulla | 01913-950790 |
| Godown | 1 | Md. Abdul Goni, Upazila Food controller | 01716988273 |
| Boat | 5 | Md. Arsadul Alam Project Implementation Officer, Shulla | 01913-950790 |
| Earth place (Matir Killa) | - | - | - |
| Car | - | - | - |
| Speed Boat | 1 | Mohammad Altaf Hossain Upazilla Nirbali Officer, Shulla | 01911534466 |

4.6 Financing

The main income source of union parishad is local tax collection, hat/bazar, lease, canal, business trade licence. But at present no power of big hat/bazar, canal lease at UP land. As result income source has been reduced. Now government 1% land registration money has transfer to UP. Previously it was in full and that amount has expenced for honorarium of village police and secretary. The Government has taken initiative to provide 4/5 lacs annually by cash in hand directly.

1. Own source (Union tax, rate and fee)

| Nature of source | Annual income | | | | Total 4 union |
|--|---------------|--------|----------|---------|---------------|
| | Atgaon | Bahara | Hobibpur | Shulla | |
| Annual tax on homestead | 650,000 | 78,553 | 413076 | 312,090 | 1453719 |
| Tax on Businss, occupation, livelihood (Trade licence) | - | - | - | - | - |
| License issue and license permit by UP | 8000 | 60000 | 27000 | 24500 | 119500 |
| Leasing (hat, bazar, ghat, pond, khoar uzara etc. | - | 140000 | 53000 | 2000 | 195000 |
| Tax on motorbike except vehicle | - | - | - | - | - |
| Income from resource | - | - | - | 100,140 | 100,140 |
| General fund of UP | - | 174000 | 165000 | 186985 | 525985 |
| Others | - | - | - | - | - |

Govt. Donation

Development Sector

| Nature of items | Annual income | | | | Total 4 union |
|---------------------------------|---------------|---------|----------|---------|---------------|
| | Atgaon | Bahara | Habibpur | Shulla | |
| Agriculture | - | - | - | - | - |
| Health & Sanitation | - | - | - | - | - |
| Road construction and reparing | - | - | - | - | - |
| House build and reparing | - | - | - | - | - |
| Development support fund (LGSP) | 78000 | 1367107 | 1252795 | 1282802 | 4682704 |

Establishment:

Honorarium of UP chairman and member (Monthly)

Chairman (4) each govt. 1575 and UP 1925/=

Members of UP (36), each govt. 950/= and UP 1050/-

Secretary (4 person) each 10,900/- and UP 4500/=

Dafadar (4 union) each 1300/- and UP 800/=

Village police (4 union) each 1100/- and UP 800/=

Others

Land transfer tax (1%)

| Nature of items | Atgaon | Bahara | Habibpur | Shulla | Total 4 union |
|-----------------|--------|--------|----------|--------|---------------|
| - | - | - | - | - | - |

c) Local government

| Nature of items | Annual payable | | | | Total 4 union |
|------------------|----------------|--------|----------|--------|---------------|
| | Atgaon | Bahara | Habibpur | Shulla | |
| Upazila parishad | - | - | - | - | - |
| Zila parishad | | | | - | - |

d) Non-government development organization

| Nature of items | Annual payable | | | | Total 4 union |
|-----------------|----------------|-----------|----------|---------|---------------|
| | Atgaon | Bahara | Habibpur | Shulla | |
| ADB | 100000 | - | - | - | 100000 |
| DASCOH | - | 1,600,000 | 1578390 | 1584178 | 4762568 |
| ERA | 150000 | 300000 | 400000 | 400000 | 125000 |
| UZGP | 40000 | - | - | - | 400000 |

Most of donor agency, Non-government organization has financial support to UP for strengthening local government. To get more assistance depends on UP capability, transparency and overall good governance. In priority basis UP will expence it considering main obstruction to the development of his union. With considering of project planning, implementing and financing they compare it to development project and disaster risk reduces.

4.7 Update and Check Action Plan

1. Plan follow-up committee
2. Plan implementation and maintenance committee

Plan follow-up committee

| Sl. No. | Name | Designation | Mobile No. |
|---------|--------------------|--|--------------|
| 1. | Md Zakir Hossain | Chairman, Bahara UP | 01718-376513 |
| 2. | Sustik Chokroborti | - | 01940-503643 |
| 3. | Md. Yunus Meah | Upazila Social Welfare Officer, Shulla Shulla | 01821-582394 |
| 4. | Md. Arsadul Alom | Project Implementation Officer, Shulla | 01913-950790 |

Plan implementation and maintenance committee

| Sl. No. | Name | Designation | Mobile No. |
|---------|----------------------------|--|--------------|
| 1. | Gonendra Chandra Sarker | Upazila Chairman, Shulla | 01716700822 |
| 2. | Md. Arsadul Alom | Project Implementation Officer, Shulla | 01913-950790 |
| 3. | Jusna Beguma | Reserve female members, Atgaon UP | 01914-523666 |
| 4. | Nazrul Islam | Field Facilitator, Islamic Relief | 01914-532666 |
| 5. | Md. Yunus Meah | Upazila Social Welfare Officer, Shulla Shulla | 01821-582394 |

Duties of committee

- In each april/may the action plan will be updated through checking, modification and addition every year. Members secretary of committee will take initiative by this matter. Action plan will be amended in reviewing the management deviation after every disaster..
- Organize simulation on disaster management in national disaster day as per the guidance of disaster management bureau in each year in april/may.
- Disaster management action plan will be taken approval from district disaster management committee.
- Supervision of implementation plan
- Communicate with different institutes.

Section 5: Rescue and Rehabilitation Plan

5.1 Evaluation of Loss and Damage

| Sectors | Detail Description |
|-------------|---|
| Agriculture | <p>Shulla upazila has a total of 28283 hector land. Among them, the amount of arable and uncultivated lands are 22713 hector and 5571 hector respectively. Among the arable land, mono crop land is 17212 hector and two crop lands are 5500 hector. But there are no tri crop lands in this upazila. Besides, the amount of the settlement area of 106 hector of the total land area. The main crops of Shulla upazila are rice (Boro and Aman), potato and vegetables. In future, frequent flash floods, Norwest hit, hail storm and draught may occur in this upazila and its coverage may be increased. Agriculture sector may have huge damage from this. At this time cattle food scarcity may be high. Employment opportunity for day labor may be lessened and business opportunity may be limited. In future in Shulla upazila, union wise different disaster damage trend are as follows:</p> <ul style="list-style-type: none"> ▪ In future, in Atgaon union of Shulla Upazila may damage 4573 hector boro crop (full), 1255 hector boro crop (partial) by flash flood. Approximately 19 hector boro crops may be damaged by Kalboishakhai Jhar. Approximately 185 hector boro crops (fully) and 788 hector hector boro crops (partial) are affected by hail storm. In addition, approximately 1180 hector boro crops are affected by draught. At all due to climate change in future in this union boro and amon paddy production may be reduced largely. Besides, due to draught huge land may be out of cultivation. ▪ In future, in Bahara union of Shulla Upazila may damage 3823 hector boro crop (full), 1670 hector boro crop (partial) by flash flood. Approximately 13 hector boro crops may be damaged by Kalboishakhai Jhar. Approximately 153 hector boro crops (fully) and 1188 hector hector boro crops (partial) are affected by hail storm. In addition, approximately 1020 hector boro crops are affected by draught. At all due to climate change in future in this union boro and amon paddy production may be reduced largely. Besides, due to draught huge land may be out of cultivation. ▪ In future, in Hobibpur union of Shulla Upazila may damage 4372 hector boro crop (full), 1620 hector boro crop (partial) by flash flood. Approximately 11 hector boro crops may be damaged by Kalboishakhai Jhar. Approximately 173 hector boro crops (fully) and 1090 |

| Sectors | Detail Description |
|-----------|--|
| | <p>hector hector boro crops (partial) are affected by hail storm. In addition, approximately 1210 hector boro crops are affected by draught. At all due to climate change in future in this union boro and amon paddy production may be reduced largely. Besides, due to draught huge land may be out of cultivation.</p> <ul style="list-style-type: none"> ▪ In future, in Shulla union of Shulla Upazila may damage 4752 hector boro crop (full), 1480 hector boro crop (partial) by flash flood. Approximately 10 hector boro crops may be damaged by Kalboishakhai Jhar. Approximately 167 hector boro crops (fully) and 1505 hector hector boro crops (partial) are affected by hail storm. In addition, approximately 1140 hector boro crops are affected by draught. At all due to climate change in future in this union boro and amon paddy production may be reduced largely. Besides, due to draught huge land may be out of cultivation. |
| Fisheries | <p>There are 6 rivers, 121 canals, 96 beels, 236 ponds and 93 wet lands. There are 10132 fishermen here. In this Upazila fish production hampered severely due to fishing in winter by drying up canals & beels and at the beginning of the rainy season fishing of small fishes and fingerlings by current nets, triangular nets etc. Commonly used slogan is net owner is the owner of the water body but physically fishermen's access in the water-body is very limited. That is why fish production may be reducing. Not only this, growth of fish is also lessening. Due to the climate change in future in Shulla upazila, union wise different disaster damage trend on fisheries are follows:</p> <ul style="list-style-type: none"> ▪ In future, in Atgaon Union of Shulla Upazila seasonal flood 7 metric tonnes fishes of 35 ponds may be affected. Besides, due to flash flood fisheries may be affected by various diseases. As a whole due to climate change in future in this union fish production may be reduced severely. ▪ In future, in Bahara union of Shulla Upazila seasonal flood 12 metric tonnes fishes of 62 ponds may be affected. Besides, due to flash flood fisheries may be affected by various diseases. As a whole due to climate change in future in this union fish production may be reduced severely. ▪ In future, in Hobibpur union of Shulla Upazila seasonal flood 10 metric tonnes fishes of 43 ponds may be affected. Besides, due to flash flood fisheries may be affected by various diseases. As a whole due to climate |

| Sectors | Detail Description |
|------------------|--|
| | <p>change in future in this union fish production may be reduced severely.</p> <ul style="list-style-type: none"> ▪ In future, in Shulla union of Shulla Upazila seasonal flood 5 metric tonnes fishes of 26 ponds may be affected. Besides, due to flash flood fisheries may be affected by various diseases. As a whole due to climate change in future in this union fish production may be reduced severely. |
| Livestock | <p>The main livestock in Shulla Upazila cow, goat, sheep, duck, hen, birds, buffalo etc. The upazila includes cow- 28117, goat-1560, sheep-2200, duck & hen-56381 and buffalo-167. In flash floods, seasonal floods, Norwest hits etc. disaster affect livestock in this Upazila. Due to flash flood cattle food crisis begin. Seasonal floods also cause of scarcity of cattle foods. Different diseases and cattle shed problems occurs in these disasters. It also caused the death of poultry birds and livestock. Besides, Norwest hit and thunderstorm caused death of cattle and birds. Again draught causes scarcity of cattle foods and different types of cattle diseases breakout.</p> |
| Trees and plants | <p>There are 5 km strip gardening (forest) in Shulla upazila. Different types of trees contain in this forest, such as, mehogoni, hizol, kodom, acacia, rain tree, arjun, berry, jackfruit trees, etc. Also, people of the area plant saplings around the house. Trees and plants are affected in Shulla Upazila due to flash flood, seasonal flood, Norwest hit etc. In future, frequent seasonal floods and Kalboishakhi Jhar may hit in this upazila and its smash up may be increased. Trees & plants may have huge affect from this. Due to the climate change in future in Shulla upazila, union wise different disaster damage trend are as follows:</p> <ul style="list-style-type: none"> ▪ In future, in Atgaon union of Shulla Upazila seasonal floods may damage 2529 tree & plants, Kalboishakhi Jhar 225 trees & plants. ▪ In future, in Bahara union of Shulla Upazila seasonal floods may damage 753 tree & plants, Kalboishakhi Jhar 100 trees & plants. ▪ In future, in Hobibpur union of Shulla Upazila seasonal floods may damage 1373 tree & plants, Kalboishakhi Jhar 50 trees & plants. ▪ In future, in Shulla union of Shulla Upazila seasonal floods may damage 1221 tree & plants, Kalboishakhi Jhar 170 trees & plants. |

| Sectors | Detail Description |
|---------------|---|
| Health sector | <p>There are 1 Upazila Health Complex, 2 health and family welfare centres and 13 community clinics in Shulla upazila. There is no private health care center here. Upazila Health Complex is located at upazila head quarter under Atgaon union. Here are three doctors and 5 nurses. Health sector is hampered in Shulla Upazila due to flash flood, seasonal flood, Norwest hit etc. In future, frequent seasonal floods, kalbaishakhi jhar and draught may occur in this upazila and its smash up may be increased. Health sector may be affected seriously. That is different types of diseases may breakout. Besides, due to kalbaishakhi jhar and thunder storm peoples may be injured and death case may be happened. In future in Shulla upazila, union wise different disaster damage trend are as follows:</p> <ul style="list-style-type: none"> ▪ In future, in Atgaon union of Shulla Upazila among 31466 population 1.68% may suffer from diarrhea, 0.9% (children) may suffer pneumonia, 0.5 % may suffer from Typhoid, 0.2% may suffer from dysentery, 1.3% may suffer from Jhondish, 2.1% may suffer from skin diseases and 1.8% may suffer different viral diseases by seasonal flood. On the other hand, among 31446 populations 1.02% may suffer from diarrhea, 1.5% may suffer from dysentery, 0.5% may suffer from Jhondish by draught. As a result, each and every family of this union may have different loses including economic insolvency. ▪ In future, in Bahara union of Shulla Upazila among 27515 population 2.1% may suffer from diarrhea, 0.5% (children) may suffer pneumonia, 0.3 % may suffer from Typhoid, 1.15% may suffer from dysentery, 1.5% may suffer from Jhondish, 2.2% may suffer from skin diseases and 1.2% may suffer different viral diseases by seasonal flood. On the other hand, among 27515 populations 0.1% may suffer from diarrhea, 1.2% may suffer from dysentery, 1.06% may suffer from Jhondish by draught. As a result, each and every family of this union may have different loses including economic insolvency. ▪ In future, in Hobibpur union of Shulla Upazila among 29534 population 1.2% may suffer from diarrhea, 1.08% (children) may suffer pneumonia, 0.9 % may suffer from Typhoid, 1.7% may suffer from dysentery, 1.9% may suffer from Jhondish, 1.5% may suffer from skin diseases and 1.1% may suffer different viral diseases by seasonal flood. On the other hand, among 29534 populations 1.04% may suffer from diarrhea, 0.2% may suffer from dysentery, 2% may suffer from Jhondish by draught. As a result, each and every family of this |

| Sectors | Detail Description |
|-------------|--|
| | <p>union may have different loses including economic insolvency.</p> <ul style="list-style-type: none"> ▪ In future, in Shulla union of Shulla Upazila among 25228 population 1.82% may suffer from diarrhea, 0.5% (children) may suffer pneumonia, 1.07 % may suffer from Typhoid, 1.5% may suffer from dysentery, 1.6% may suffer from Jhondish, 1.7% may suffer from skin diseases and 1.9% may suffer different viral diseases by seasonal flood. On the other hand, among 25228 populations 1.02% may suffer from diarrhea, 1.05% may suffer from dysentery, 1.5% may suffer from Jhondish by draught. As a result, each and every family of this union may have different loses including economic insolvency. |
| Livelihoods | <p>Main livelihood options in Shulla Upazila are agriculture, fisheries, day labor, boatmen, service, business etc. There are total 21,614 farmers, 10132 fishermen, 31,793 day labour, 242 boatmen, 1275 service holder and 1040 businessmen. Flash flood, seasonal flood, Norwest hit, hail storm, draught etc. disaster in this Upazila occurs frequently and as a result peoples livelihoods hampered due to the increased dimension of disasters. In future, frequent flash floods, seasonal floods, Kalboishakhi Jhar, Hail storm and Draught may occur in this upazila and its smash up may be increased. Agriculture and fisheries may be affected seriously from these and employment opportunity may be squish and mash up in business which may affect livelihood of the people unenthusiastically. Due to the climate change in future in Shulla upazila, union wise different disaster damage trend are as follows:</p> <ul style="list-style-type: none"> ▪ In future, in Atgaon union of Shulla Upazila, in case of flash flood 689 farmers, 987 fishermen and 1037 day labor may be affected. In seasonal flood 938 day labor, 218 businessmen, 7 boatmen and 125 service holders may be affected. In Kalboishakhai Jhar 107 farmers, 287 day labor and 37 businessmen may be affected. On the other hand more then 57 farmers may be affected by draught. ▪ In future, in Bahara union of Shulla Upazila, in case of flash flood 789 farmers, 675 fishermen and 1082 day labor may be affected. In seasonal flood 1207 day labor, 227 businessmen, 13 boatmen and 103 service holders may be affected. In Kalboishakhai Jhar 93 farmers, 212 day labor and 25 businessmen may be affected. On the other hand more then 57 farmers may be affected by draught. |

| Sectors | Detail Description |
|---------|---|
| | <ul style="list-style-type: none"> ▪ In future, in Hobibpur union of Shulla Upazila, in case of flash flood 1189 farmers, 482 fishermen and 889 day labor may be affected. In seasonal flood 1417 day labor, 75 businessmen, 15 boatmen and 77 service holders may be affected. In Kalboishakhai Jhar 102 farmers, 127 day labor and 17 businessmen may be affected. On the other hand more then 76 farmers may be affected by draught. ▪ In future, in Shulla union of Shulla Upazila, in case of flash flood 1579 farmers, 575 fishermen and 779 day labor may be affected. In seasonal flood 1102 day labor, 110 businessmen, 12 boatmen and 109 service holders may be affected. In Kalboishakhai Jhar 75 farmers, 215 day labor and 25 businessmen may be affected. On the other hand more then 40 farmers may be affected by draught. |
| Water | <p>The main sources of drinking water in this upazila are tube well, rivers, canal, beels and ponds. There are a total of 2109 tube wells in this upazila. Among them, 2070 tube wells are active and 39 tube wells are inactive. 115 tube wells were placed above the flood level. As a result, these tube wells remain suitable for use during flooding period. Needs to be mentioned here that, 55% people of Shulla upazila use tube well water. In future, frequent seasonal flood and draught may occur in this upazila and its smash up may be increased. Tube well may be affected seriously from these. Besides, as a result of climate change under ground water level may be lower day by day. As a result scarcity of drinking water may be happened. Due to the different disaster in Shulla upazila, union wise affect trend are follows:</p> <ul style="list-style-type: none"> ▪ In future, in Atgaon union of Shulla Upazila, in case of seasonal flood 98 tube well may be damage. As a result scarcity of drinking water may happen in this area then due to lack of pure water local peoples may suffer from various types of water borne diseases. ▪ In future, in Bahara union of Shulla Upazila, in case of seasonal flood 43 tube well may be damage. As a result scarcity of drinking water may happen in this area then due to lack of pure water local peoples may suffer from various types of water borne diseases. ▪ In future, in Habibpur union of Shulla Upazila, in case of seasonal flood 51 tube well may be damage. As a result scarcity of drinking water may happen in this area then due to lack of pure water local peoples may suffer from various types of water borne diseases. |

| Sectors | Detail Description |
|-----------------|---|
| | <ul style="list-style-type: none"> ▪ In future, in Shulla union of Shulla Upazila, in case of seasonal flood 59 tube wells may be damage. As a result scarcity of drinking water may happen in this area then due to lack of pure water local peoples may suffer from various types of water borne diseases. |
| Infrastructures | <p>There are 91.10 km. embankments, 2 Sluice gates, 6 bridges, 62 culverts, 137 km. roads, 1521shallow tube wells, 128 Schools, 85 religius institutes and 37,288 houses in Shulla Upazila. Different disasters like flash flood, seasonal flood, Norwest hit, hail storm etc. caused damage in different types of infrastructures like roads, bridges, culvert, education and religious institutes, houses etc. In future, frequent flash floods, seasonal floods, Kalboishakhi Jhar may occur in this upazila and its smash up may be increased. Different types of infrastructure such as roads, embankment, bridge, culverts, education institutes, religious institutes, houses etc. may be damaged and it may be huge in future. In future, due to the different disaster in Shulla upazila, union wise affect trend are as follows:</p> <ul style="list-style-type: none"> ▪ In future, due to climate change in Atgaon union of Shulla Upazila in flash flood 15 KM embankment (partial), 13 KM roads may be affected. In seasonal flood 14 KM embankment, 07 KM roads (partial), 3541 home & homestead, 7 educational institutes, 15 religious institutes and 5400 latrines may be affected. Due to Kalboishakhai Jhar 210 home & homestead (fully), 112 home & homestead (partial), 3 educational institutes, 10 religious institutes, 5 latrines and 5 electric pillar may be affected. ▪ In future, in Bahara union of Shulla Upazila in flash flood 8 KM embankment (partial), 6 KM roads may be affected. In seasonal flood 16 KM embankment, 05 KM roads (partial), 2731 home & homestead, 3 educational institutes, 09 religious institutes and 4108 latrines may be affected. Due to Kalboishakhai Jhar 140 home & homestead (fully), 988 home & homestead (partial), 2 educational institutes, 14 religious institutes, 8 latrines and 4 electric pillars may be affected. ▪ In future, in Hobibpur union of Shulla Upazila in flash flood 9 KM embankment (partial), 7 KM roads may be affected. In seasonal flood 20 KM embankment, 08 KM roads (partial), 2953 home & homestead, 3 educational institutes, 7 religious institutes and 3541 latrines may be affected. Due to Kalboishakhai Jhar 207 home & homestead (fully), 575 homes & homestead (partial), 12 educational institutes, 17 religious institutes, 13 latrines and 2 electric pillars may be affected. |

| Sectors | Detail Description |
|---------|--|
| | <ul style="list-style-type: none"> In future, due to climate change in Shulla union of Shulla Upazila in flash flood 11 KM embankment (partial), 9.5 KM roads may be affected. In seasonal flood 19 KM embankment, 06 KM roads (partial), 3541 homes & homestead, 5 educational institutes, 5 religious institutes and 4100 latrines may be affected. Due to Kalboishakhai Jhar 120 homes & homestead (fully), 470 homes & homestead (partial), 15 educational institutes, 12 religious institutes, 17 latrines and 3 electric pillars may be affected. |

5.2 Hastily Recover

5.2.1 Administrative Resettlement

| Sl. No. | Name | Designation | Mobile No. |
|---------|-------------------------|---------------------------------|--------------|
| 1. | Mohammad Altaf Hossainn | Upazila Nirbahi Officer, Shulla | 01911-534466 |
| 2. | Md. Arsadul Alom | PIO, Shulla | 01913-950790 |
| 3. | Md. Yunus Meah | Upazila Social Welfare Officer | 01821-582394 |

5.2.2 Clean ruin/wreck

| Sl. No. | Name | Designation | Mobile No. |
|---------|-------------------|-----------------------|--------------|
| 1. | Subol Chandra Das | Chairman, Habibpur UP | 01740-930394 |
| 2. | Biplob Kumar Das | Secretary, Shulla UP | 01722-841930 |
| 3. | Sombu Das | Nazir, UP | 01753-114637 |

5.2.3 Re-start Public Service

| Sl. No. | Name | Designation | Mobile No. |
|---------|-------------------|---|--------------|
| 1. | Md. Yunus Meah | Social Welfare Officer | 01821-582394 |
| 2. | Md. Arsadul Alom | PIO, Shulla | 01913-950790 |
| 3. | Gopal Chandra Das | Upazila Youth Development Officer, Shulla | 01718-537447 |

5.2.4 Emergency Livelihood Support

| Sl. No. | Name | Designation | Mobile No. |
|---------|--------------------|----------------------|--------------|
| 1. | Md. Arsadul Alom | PIO, Shulla | 01913-950790 |
| 2. | Juned Monir Prodip | Chairman, Atgaon UP | 01711-054385 |
| 3. | Masud Zaman Khan | Fisheries department | 01715-172242 |

Annexure 1

Checklist of Contingency Plan Implementation

Checklist

The checklist will be examined and immediate necessary measures shall be taken just after the dissemination of early warning on flash flood and seasonal flood by Flood Forecasting and Control Center (FFWC).

| S. No. | Subject | Yes / No |
|--------|---|----------|
| 1. | Dissemination of warnings about the impending danger and called the volunteer team members were told to begin work on the campaign. | |
| 2. | The person / team has made for rescue peoples of risky areas. | |
| 3. | Boat, car, van, etc. are kept ready to rescue people from risky area. | |
| 4. | Campaigning has been done for the preserve of 2/1 day dry food and drinking water. | |
| 5. | Life jackets are provided for the safety of members of the volunteer team. | |
| 6. | The required manpower has been arranged to maintain Upazila and union control rooms round the clock. | |
| 7. | Union food warehouse / relief warehouse has the necessary security measures. | |
| 8. | Simulation has been conducted by members of the volunteer team. | |
| 9. | Union food store has an adequate amount of food reserves. | |
| 10. | Immunization / vaccines were given to children of vulnerable area. | |
| 11. | 1-6 year old children and mothers were fed vitamin. | |
| 12. | An adequate amount of orsaline reserves in UP clinic hospital. | |
| 13. | Volunteer team members have been trained annually. | |
| 14. | Shelters belong to necessary primary treatment of medical equipment. | |
| 15. | The selected rural doctors for every shelters present in the area. | |
| 16. | Each shelter has tube wells. | |
| 17. | Each shelter contains doors and windows. | |
| 18. | The selected alternative caretaker is present in the shelter. | |
| 19. | There are separate arrangements for women in shelters. | |
| 20. | The selected midwife is present in the area to take care for the pregnant women. | |
| 21. | The high places or Kella are identified for the cattle. | |
| 22. | Volunteer team members were aware about the responsibility. | |
| 23. | The required microphone remain activate for the publicity of weather conditions and early warning. | |
| 24. | People are aware for the preserve of 2/1 day dry food and drinking water. | |
| 25. | There are separate arrangements of latrine for men and women in shelters. | |

| S. No. | Subject | Yes / No |
|---------------|---|-----------------|
| 26. | There are separate arrangements of bathroom for men and women in shelters. | |
| 27. | The water entering point to Haor is closed with soil. | |
| 28. | The selected doctors for the treatment of livestock present in the area. | |
| 29. | Necessary medicine and medical equipments are available for the treatment of livestock. | |

Annexure 2

Upazila Disaster Management Committee, Shulla

| Sl. No. | Name | Designation | Member | Mobile No. |
|---------|------------------------------------|--|------------------|------------------|
| 1. | Gonendra Chandra Sarkar | Chairman, Upazila Parishad, Shulla | Chairman | 01716700822 |
| 2. | Mohammad Altaf Hossain | Upazila Nirbahi Officer (UNO) Shulla | Co- Chair Person | 01911534466 |
| 3. | Md. Arshadul Alom | Project Implementation Officer (PIO) | Member Secretary | 01710442417 |
| 4. | Mahabub Sobahani Chowdhury | Upazila Vice Chairman | Member | 01712929236 |
| 5. | Mrs. Rejiya Bagum | Upazila Female Vice Chairman Shulla | Member | - |
| 6. | Junir monir Prodip/Hosnehara Akter | Chairman, Atgaon UP | Member | 01711054380 |
| 7. | Subol Chando Das | Chairman, Hobipur UP | Member | 01714930394 |
| 8. | Md.Jakir Hossan | Chairman, Bahar pur UP | Member | 01718376513 |
| 9. | Abuleis Cho. | Chairman, Shulla UP | Member | 01711156372 |
| 10. | Abdul Mornaf | Upazilla Agriculter Officer (UAO) | Member | 01712208442 |
| 11. | DR. Suklal Sarkar | Upazila Health and Family Planning Officer (UHFPO) | Member | 01712844929 |
| 12. | Dr.Mintu Sarkar | Upazila Animal Officer | Member | 01613431971 |
| 13. | | Assistant Commissioner Land | Member | |
| 14. | Muksud Jaman Khan | Upazila Fisheries Officer (UFO) | Member | |
| 15. | Md. Eyakub Hossan | Upazila Education Officer (UEO) | Member | 01716855016 |
| 16. | Abul Monjur Md. Motiulla | Upzila Engineer,LGED | Member | 01718517951 |
| 17. | Md Younus Miha | Upazila Socialwealfare officer | Member | 01821582394 |
| 18. | Md. Eyakub Hossan | Upazila Family Planning Officer | | |
| 19. | Md Abul Goni | Upazila Food controller | Member | 01716988273 |
| 20. | Sohidul Islam | Officer in Charge, Police | Member | 01715720111 |
| 21. | Md. Rofiqul Islam | Upazila Sub Assistant Engineer(Public Health) | Member | 01715292101 9 |
| 22. | Gopal Chondo Das | Upazila Youth Development officer | Member | 01718537447 |
| 23. | Md.NoZRul Islam | Upazila Coordination | Member | 01711672120 |

| Sl. No. | Name | Designation | Member | Mobile No. |
|---------|---------------------|-------------------------------------|--------|------------------|
| | | Officer | | 0 |
| 24. | | Upazila Secondary Education Officer | Member | |
| 25. | Md.Morsadul-Ul-Alom | Upazila Woman Affairs Officer | Member | 01818758357 |
| 26. | Md. Abdul Alli | Upazila Ansar and VDP Officer | Member | |
| 27. | Josna Begum | Woman Member, Atgoan UP | Member | |
| 28. | Sustika Chokraborti | Woman Member, Hobipur UP | Member | 01767041096 |
| 29. | Braini Talukder | Woman Member, Bahara UP | Member | 01710416084 |
| 30. | Md. Nozrul Islam | Representative,NGO,Islamic Relief | Member | 01736706601 |
| 31. | Sumon Miha | Representative,NGO,FIV DB | Member | 01722145506 |
| 32. | | Representative,NGO, | Member | |
| 33. | Pijus Chondo Das | President Press Club | Member | 01716627940 8 |
| 34. | | President,Businessman Association | Member | |
| 35. | Abdul Sohid | Principle, Shalla Degree College | Member | 01746115494 |
| 36. | Gopika Ronjon Das | Upazila Comander, Freedom fighter | Member | 01756125433 |

Annexure 3

List of Union Volunteers (Atgoan)

| Sl. No. | Name | Name of Father/Husband | No. of Ward | Training | Mobile No. |
|---------|-------------------|------------------------|----------------|----------|-------------|
| 01 | Manik Roy | Late.Amur Chan Roy | Rahul tola 01 | Yes | 01722481930 |
| 02 | Metreja akter | Late. Abdul Hi | Mirjapur 01 | Yes | 01759696767 |
| 03 | Jahangir Alom | Abdul Khelak | Nijgoan 02 | Yes | 01728625322 |
| 04 | Nomita Sel | Monoranjon Sel | Bazar kandi 02 | Yes | 01721838937 |
| 05 | Basar Miha | Aklas Miha | Atgoan 03 | Yes | |
| 06 | Bulbul Nahar | Late. Rustom Alli | Atgoan 03 | Yes | 01739946393 |
| 07 | Rohim Miha | Tajul Islam | Batiara Bad 04 | Yes | 01730196044 |
| 08 | Happy Rani Sarkar | Joyno Sarkar | Brogoan 04 | Yes | 01712052163 |
| 09 | All mamun Siraji | Fazul Hoq | Kasipur 05 | Yes | |
| 10 | Holeya | Rohim | Sorifpur 05 | Yes | 01821456329 |
| 11 | Foreda Begum | Halal Uddin | Doulot pur 06 | Yes | 01724692790 |
| 12 | Joy Hori Das | Joy Gopal | Doulot pur 06 | Yes | |
| 13 | Abu Hanif | Late Abdul khalak | Uzzan Goan 07 | Yes | 01731624334 |
| 14 | Difale Sarkar | Krisno Doyal Sarkar | Uzzan Goan 07 | Yes | 01747738618 |
| 15 | All Masud | Abdul Alli | Surma 08 | Yes | 01718188501 |
| 16 | Ruhala Akter | Soros Alli | Surma 08 | Yes | |
| 17 | Sujat Rani Das | Suddir Ranjon | Gonga Nogor 09 | Yes | 01988912852 |
| 18 | Alomgir Hossian | Talib Hossian | Mamud Nogor 09 | Yes | |

List of Union Volunteers (Bahara)

| Sl. No. | Name | Name of Father/Husband | No. of Ward | Training | Mobile No. |
|---------|--------------------|------------------------|------------------|----------|-------------|
| 01 | Banu mobin Das | Pagol Das | Nowa goan 01 | Yes | 01823563294 |
| 02 | Mison Rani das | Ful Choundo Das | Nowa goan 01 | Yes | |
| 03 | Liton Das | Sumas Das | Shibpur 02 | Yes | 01764222475 |
| 04 | Moni Rani Roy | Ritu Roy | Shibpur 02 | Yes | 01722677262 |
| 05 | Ruma Rani Roy | Gopita Roy | Bahara dokin 03 | Yes | 01762455611 |
| 06 | Nahar Ranjon Das | Horilal Das | Uzan JatraPur 03 | Yes | |
| 07 | Bisu Das | Rabinro Das | Gangir gaon | Yes | 01710416084 |
| 08 | Popi Rani Sutrador | Bama choron Sutro | Sultanpur 04 | Yes | 01835123103 |
| 09 | Hilloul Cho. | Razjkumar Cho | Nainda 05 | Yes | |
| 10 | Priti Rani Das | Pathan Das | Mukterpur 05 | Yes | 01741436683 |
| 11 | Rubal Das | Gorango Das | Rupsha 06 | Yes | |
| 12 | Juma Rani Talukder | Jogodis talukder | Rupsha 06 | Yes | 01770128218 |
| 13 | Promila Rani Das | Moharaz Das | Pratapur 07 | Yes | 01729169524 |
| 14 | Auminro Das | Romao Das | Pratapur 07 | Yes | 01766122196 |
| 15 | Sama tara Biswoma | Krisno Kanti Biswoma | VeraDhor 08 | Yes | 01728390918 |
| 16 | Dijlif Biswoma | Hor kumar | Veradhor 08 | Yes | |
| 17 | Faruk Ahmmad | Abdul Hakim | Butgaon 09 | Yes | 01717802215 |
| 18 | Sorno Bala Das | Bonobasi Das | Mada 09 | Yes | |

List of Union Volunteers (Hobibpur)

| Sl. No. | Name | Name of Father/Husband | No. of Ward | Training | Mobile No. |
|---------|--------------------------|-------------------------|----------------|----------|-------------|
| 01 | Papri Rani Das | Ronjit Das | Kshipur 1 | Yes | 01731624334 |
| 02 | Bivas Chakrobortee | Bijon Chakrobartee | Kashipur 1 | Yes | 01727990314 |
| 03 | Sheujy Rani Voumik | Kopindro Vowmik | Onnadhar pur 2 | | 01728642694 |
| 04 | Moloy Das | Makhon Das | Niamotpur 2 | Yes | |
| 05 | Radha Kanto Chakrobortee | Ramchandro Chakrobartee | Chakwa 3 | | 01771050100 |
| 06 | Supti Rani das | Nijindro das | Chakwa 3 | Yes | |
| 07 | Sajola Rani Das | Monindeo das | Habibpur 4 | | |
| 08 | Liton Das | Girindro Das | Noyagaon 4 | Yes | 01731624334 |
| 09 | Runa Rani Das | Jitendro das | Shorospur 5 | | |
| 10 | Hore Krishno Das | Upendro das | Shoroshpur 5 | Yes | 01731146393 |
| 11 | Anjona Rani Das | Arjun | Murapur 6 | | |
| 12 | Suvrata Das | Sudhir Das | Murapur 6 | Yes | 01981152970 |
| 13 | Jugmaia | Tara Chan Das | Brammongaon 7 | | |
| 14 | Nepal Das | Nobo kumar das | Putka 7 | Yes | 01713125237 |
| 15 | Akter Hossen | Matubbor Miah | Markoli 8 | | 01713812045 |
| 16 | Kaberi Mojumder | Jogendro Mojumder | Narkila 8 | Yes | |
| 17 | Mojid miah | Md. Jabbar Ali | Foejullapur 9 | | 01725775388 |
| 18 | Sandha Rani | Baga Chakrortee | Saudeshri 9 | Yes | |

List of Union Volunteers (Shulla)

| Sl. No. | Name | Name of Father/Husband | No. of Ward | Training | Mobile No. |
|---------|-----------------------|------------------------|---------------|----------|--------------|
| 01 | Premtus Das | Dhonnaj Das | Karuala 1 | Yes | 01988-912852 |
| 02 | Khenda Rani Das | Bihari Das | Abidropur 1 | Yes | |
| 03 | Md. Alim Miah | Abul Kashem | Shrihail 2 | Yes | 01719-843976 |
| 04 | Rani Bibi | Motahar Miah | Shrihail 2 | Yes | 01712-374655 |
| 05 | Joykumar Das | Sudhir das | Abda 3 | Yes | 01913-125237 |
| 06 | Momota Rani Das | Vushon Chandro Das | Abda 3 | Yes | |
| 07 | Jani Sarkar | Bidhan Sarkar | Rawa 4 | Yes | 01718-977359 |
| 08 | Shilpi Das | Himangshu Sekhor Das | Gobinda pur 4 | Yes | |
| 09 | Akor Hossen | Montu Miah | Bimerkanda 5 | Yes | |
| 10 | Mst. Shibly Akter | Oliur Rahman | Manua 5 | Yes | 01684-379595 |
| 11 | Mst. Parvin Akter | Md. Alauddin | Kandiga on 6 | Yes | 01720-849507 |
| 12 | Shoel Miah | Abdul Malek | Kandiga on 6 | Yes | 01771-050100 |
| 13 | Md. Shah jalal Miah | MainUddin | Shulla 7 | Yes | 01725-580970 |
| 14 | Mst. Nilufa Akter | Ajman Banu | Shulla 7 | Yes | 01743-267469 |
| 15 | Mst.Najia Akter | Md. Fazlul Haque | Sabbisha 8 | Yes | |
| 16 | Rothindro Chandro Das | Romesh Das | Sabbisha 8 | Yes | 01739-946393 |
| 17 | Pronti Rani Das | Pai Das | Sadeb Pasha 9 | Yes | |
| 18 | Sabidul Islam | Sobuj Miah | Kadirpur 9 | Yes | |

Annexure 4

List of Shelter Management Committee

Earth place (matir killa): There is no earth place (matir killa) in Shulla upazila

School cum Shelter

| Sl. No. | Name of Shelter | Responsible Person | Mobile No. | Remarks |
|---------|-----------------------------------|---------------------|-------------|---------|
| 1. | Shulla Govt. Primary School | Reaj Uddin | 01710361227 | |
| 2. | Anandapur Govt. Primary School | Sutba Rani Das | 01715643388 | |
| 3. | Noagaon Govt. Primary School | Akhil Chandra Das | 01724625968 | |
| 4. | Protappur Govt. Primary School | Bina Rani Roy | 01713386386 | |
| 5. | Kalimpur Govt. Primary School | Joy Kumar Das | 01746354936 | |
| 6. | Khalpara Govt. Primary School | Anonto Kumar Das | 01768996803 | |
| 7. | Hobipur Govt. Primary School | Provapoti Sarkar | 01717278222 | |
| 8. | Mohadebpur Govt. Primary School | Ajoy Kumar Talukder | 01719950778 | |
| 9. | Yearabad Govt. Primary School | Hamid Miah | 01717847262 | |
| 10. | Rogunathpur Govt. Primary School | Chitto Ronjon Das | 01735281717 | |
| 11. | Shibpur Govt. Primary School | Rama Ronjon Das | 01721045181 | |
| 12. | Dakkhin Hati Govt. Primary School | Lucky Rani Das | 01825605805 | |

GO/NGO Institutes: There is no GO/NGO Institutes in Shulla used as shelter.

Roads and Embankments

| Name of Shelter | Responsible Person | Mobile No. | Remarks |
|--------------------|--|-------------|---------|
| 2.72 k.m high Road | Abul Monjer Md. Motiullah Upazila Engineer, LGED, Shulla | 01718517951 | |

Health Management Committee

| Name of Health Centre | Responsible Person | Mobile No. | Remarks |
|------------------------|---|-------------|---------|
| Upazila Health Complex | Gonendra Chandra Sarker Upazila Chairman, Shulla | 01716700822 | |
| | Dr. Sukhlal Sarker UH&FPO, Shulla | 01712844929 | |
| | Dr. Helal Uddin | 01711447314 | |
| | Md. Zakir Hossain Chairman, Bahara Union Parishad | 01718376513 | |
| | Noni Gopal Sarker Office Assistant | 01718029137 | |
| | Nishikanta Talukder Assistant to UH&FPO, Shulla | 01714674698 | |
| | Ronodhir Ray Office Assistant | 01717793989 | |

Fire Security Committee

| Name of Health Centre | Responsible Person | Mobile No. | Remarks |
|------------------------------------|---|-------------|---------|
| There is no Fire Station in Shulla | Md. Shahidul Istam Officer Incharge, Shulla | 01715725111 | |
| | Md. Zakir Hossain Chairman, Bahara Union Parishad | 01718376513 | |
| | Md. Abdul Ali Officer, Anser and VDP Shulla | 01746351440 | |
| | Sunil Chandra Das Member Hobibpur Union Parishad | 01727992014 | |
| | Ajit Das Member Shulla Union Parishad | 01718977359 | |

Engine Boats

| Name of Union/Ward | Responsible Person | Mobile No. | Remarks |
|--------------------|--------------------|-------------|---------|
| Atgaon Union | Jahangir Alam | 01770279394 | |
| Bahara Union | Omor Chand | 01727713623 | |
| Hobibpur Union | Odhir Chand | 01748126689 | |
| Shulla Union | Uttom Das | 01759708555 | |

Local Businessmen

| Name of Union/Ward | Name of Local Businessmen | Mobile No. | Remarks |
|--------------------|---------------------------|-------------|---------|
| Bahara Union | Shombu Das | 01190645275 | |
| Bahara Union | Sagor Ray | 01926292834 | |
| Bahara Union | Sunil Das | 01824109670 | |
| Bahara Union | Fulbasi Das | 01757831163 | |
| Bahara Union | Kripesh Das | 01716790777 | |

Annexure 5

Shulla Upazila at a Glance

| | | | |
|-----------------------------------|--------------------|-------------------|------------|
| Area | 263 Sqr. km. | Church | - |
| Upazila | 1 | Eidgah | 5 |
| Union | 4 | Bank | 3 |
| Mouza | 68 | Post office | 4 |
| Village | 121 | Club | 2 |
| Households | 20299 | Hat bazar | 9 |
| Total population | 113743 | Grave yard | 16 |
| Male | 57316 | Shoshanghat | 12 |
| Female | 56427 | Poultry farm | - |
| Education institutes | 128 | Power/hand loom | - |
| Govt. primary school | 103 | Deep tubewell | - |
| Registered primary school | - | Shallow tubewell | 1521 |
| High school | 11 | Tube well | 1450 |
| College | 2 | River | 6 |
| Madrasa (Dakhil, Fazil, Ebtediya) | 2 | Canal | 121 |
| Brac school | 9 | Beel | 93 |
| Kinder garten school | 1 | Haor | 7 |
| Education rate | 44% | Pond | 236 |
| Community clinic | 13 | Wetland | - |
| Embankment | 91.10 km. (9 nos.) | Fider road | 134.55 km. |
| Sluice gate | 2 | Brick built roads | 2.72 km. |
| Bridge | 6 | Mobile tower | 4 |
| Culvert | 62 | Playing ground | 3 |
| Mosque | 47 | Farmers | 21,614 |
| Temple | 38 | Fishermen | 10,132 |

Source: Upazila Parishad, Shulla and Population census, 2011.

Some Important Program Schedule of Bangladesh Radio

| Radio Center | Name of Program | Time | Day |
|--------------|----------------------|-------------------|--|
| Dhaka-KA | Krishi Shamachar | 06:55-07:00 AM | Daily |
| | Shukher Thikana | 07:25-07:30 AM | Daily |
| | Shasthai Shukher Mul | 11:30 AM-12:00 PM | Daily but accept Friday |
| | Sonali Fashal | 06:05-06:35 PM | Daily |
| | Abhwoa Barta | 06:50-07:00 PM | Daily |
| Chittagong | Krishi Katha | 06:55-07:00 AM | Daily |
| | Krishi Khamar | 06:10-06:50 PM | Daily but accept Monday |
| | Shukhi Shansher | 08:10-08:30 PM | Daily but accept Friday |
| Rajshahi | KhetKhamar Shamacher | 6:55-07:00 AM | Daily |
| | Shabuj Bangla | 06:05-06:50 PM | Daily |
| Khulna | Health Information | 6:55-7:00 AM | Daily |
| | Krishi Shamachar | 04:20-04:30 PM | Daily |
| | Chashabad | 06:10-06:50 PM | Daily |
| Rangpur | Shukher Thikana | 07:25-07:30 AM | Daily |
| | Khetkhamare | 06:05-06:35 PM | Daily |
| Sylhet | Ajker Chshbad | 06:55-07:00 AM | Daily |
| | Shukher Thikana | 07:25-07:30 AM | Daily |
| | Shyamol Sylhet | 06:05-06:50 PM | Daily but accept Friday |
| Thakurgaon | Kishan Matir Desh | 06:05-06:25 PM | Saturday, Monday & Wednesday |
| Cox Bazar | Ajker Krishi | 03:07-03:10 PM | Daily |
| | Sonali Prantor | 03:40-03:45 PM | Tuesday & Thursday |
| Barishal | Krishi Katha | 03:15-03:30 PM | Saturday & Wednesday |
| | Chhoto Paribar | 03:35-03:50 PM | Daily but accept Monday Wednesday & Friday |
| Rangamati | Jiboner Janno | 01:50-01:55 PM | Daily |
| | Khamar Bari | 03:05-03:15 PM | Daily |

- Weather forecast is broadcasting from all centers at 6.50 PM together.

Some Important Program Schedule of Community Radio.

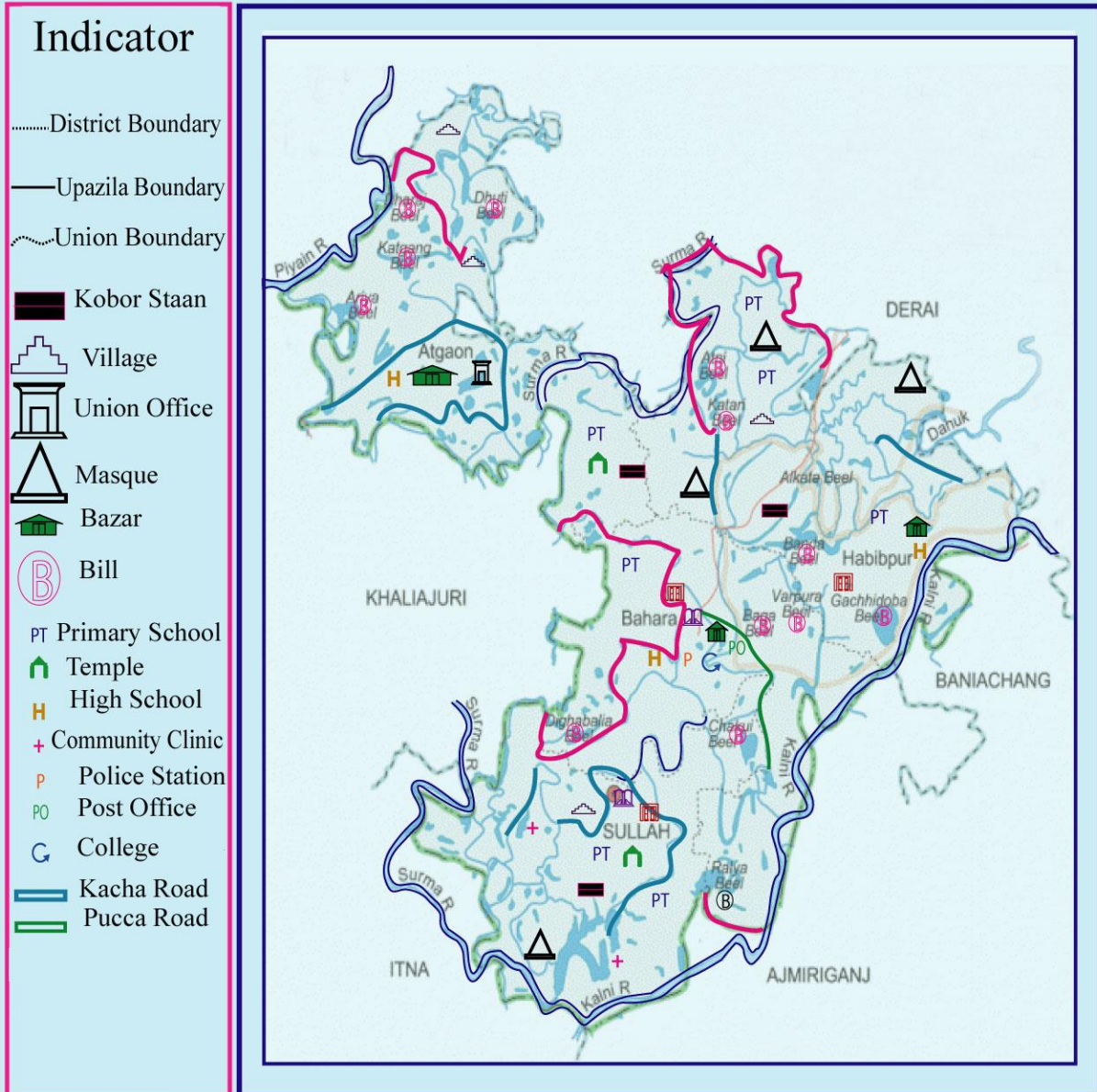
| Radio Center | Name of Program | Time | Day |
|--------------|-----------------|------|-----|
| | | | |

There is no broadcast of Community Radio in Bishwamvorpur upazila.

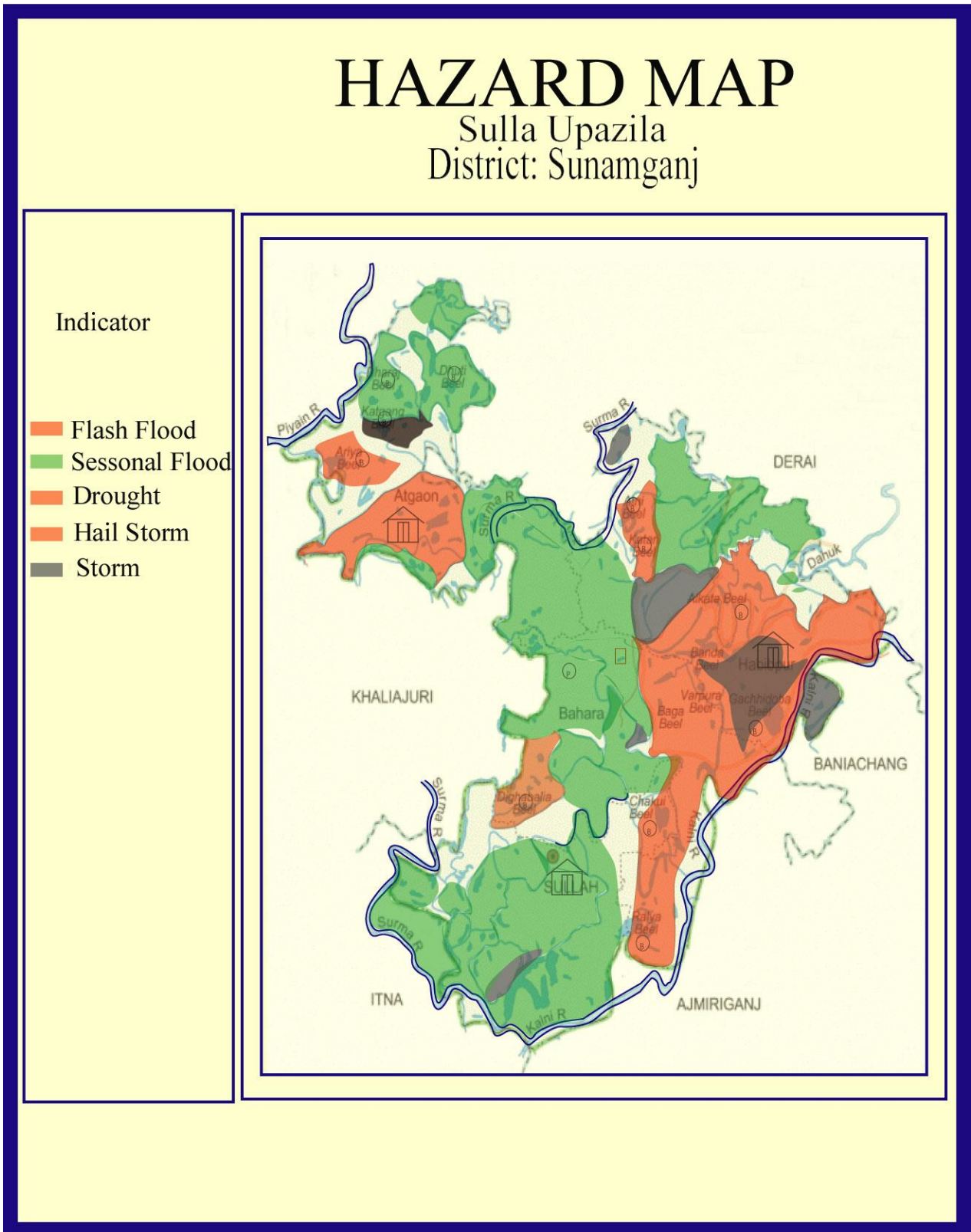
Social Map

SOCIAL MAP

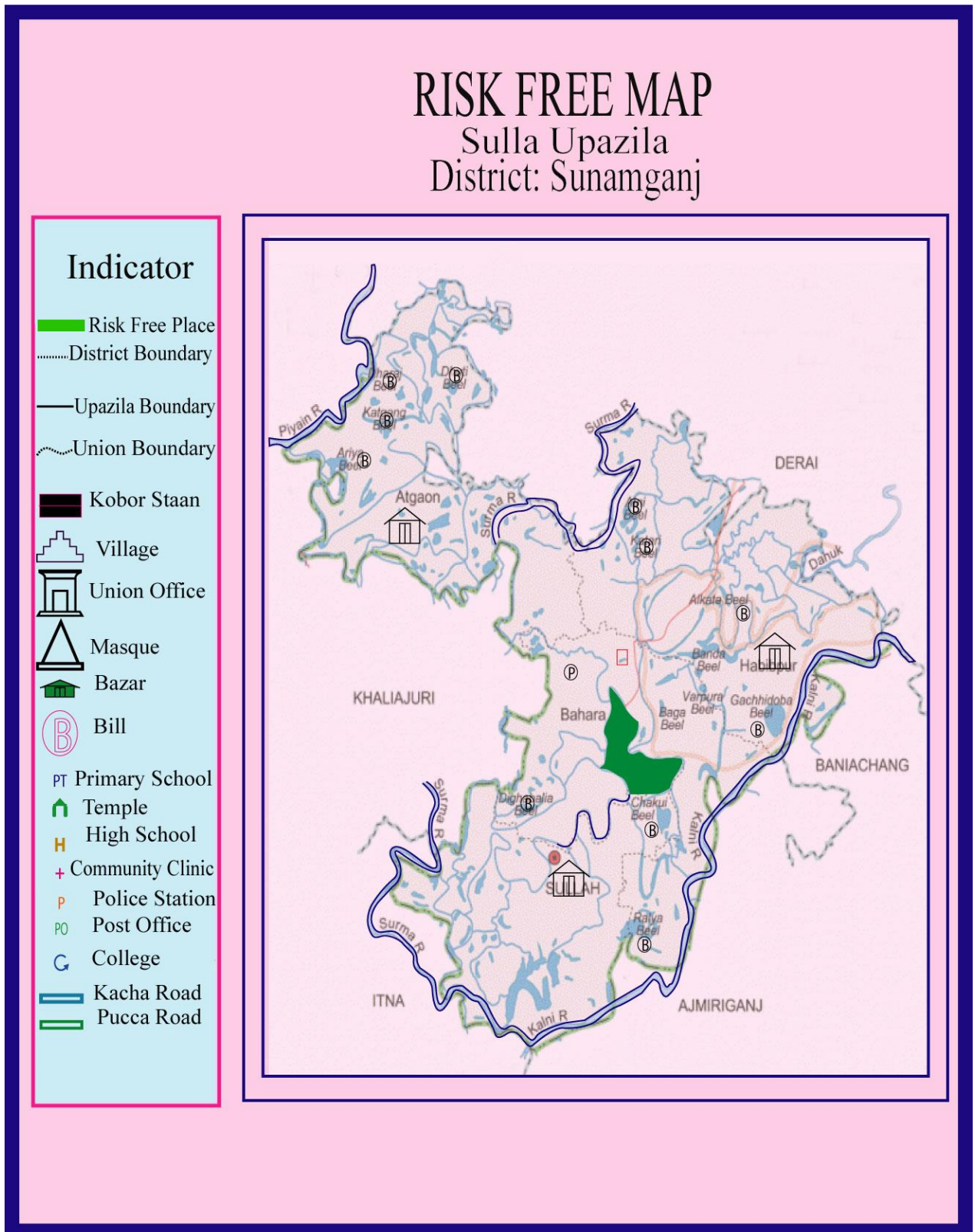
Sulla Upazila
District: Sunamganj



Hazard Map



Risk Free Map



Annexure 10

List of Hat bazaar

| Sl. No. | Name of Hat bazaar & Place | No. | When hat took place | No. of Shops | No. of Somiti |
|---------|----------------------------------|-----------|---------------------|--------------|---------------|
| 01 | Mamud Nagor Bazar, Atgaon Union | 1 | Everyday | 60 | 1 |
| 02 | Ghungiargaon Bazar, Bahara Union | 1 | Everyday | 235 | 1 |
| 03 | Anondapur Bazar, Hobibpur Union | 1 | Everyday | 50 | 1 |
| 04 | Shaskhai Bazar, Hobibpur Union | 1 | Everyday | 40 | 1 |
| 05 | Rahutol Bazar, Atgaon Union | 1 | Everyday | 105 | 1 |
| 06 | Shatpara Bazar, Shulla Union | 1 | Everyday | 115 | 1 |
| 07 | Protappur Bazar, Hobibpur Union | 1 | Everyday | 35 | 1 |
| 08 | Markuli Bazar, Hobibpur Union | 1 | Everyday | 250 | 1 |
| 09 | Paharpur Bazar, Shulla Union | 1 | Everyday | 150 | 1 |
| | Total | 09 | | 1040 | 09 |

Annexure 11

Educational Institutes

List of Govt. Primary School

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|-------------------------------------|-----------------|-----------------|-------------------------|---------------------------------|
| 01 | Govt. Primary School | Atgaon Govt. Primary School | 315 | 5 | Atgaon, Atgaon Union | Yes |
| 02 | | Rahutola Govt. Primary School | 302 | 4 | Rahutola Atgaon Union | No |
| 03 | | Mirzapur Govt. Primary School | 206 | 4 | Mirjapur Atgaon Union | No |
| 04 | | Bazar kandi Govt. Primary School | 151 | 4 | Bazarkandi Atgaon Union | No |
| 05 | | Nijgaon Govt. Primary School | 306 | 4 | Nijgaon Atgaon Union | No |
| 06 | | Borgaon Govt. Primary School | 276 | 5 | Barogaon Atgaon Union | No |
| 07 | | Atgaon Pashati Govt. Primary School | 249 | 4 | Atgaon Atgaon Union | No |
| 08 | | Yeara bad Govt. Primary School | 150 | 3 | Earabad Atgaon Union | Yes |
| 09 | | Mahamud Nogar Govt. Primary School | 263 | 4 | Mamudnagor | No |

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|--------------------------------------|-----------------|-----------------|----------------------------------|---------------------------------|
| 10 | | Kasampur Govt.Primary School | 215 | 4 | Kashipur Atgaon Union | No |
| 11 | | Dadudpur Govt.Primary School | 158 | 4 | Daudpur, Atgaon Union | No |
| 12 | | Ujangaon Govt.Primary School | 164 | 4 | Uzangaon, Atgaon Union | No |
| 13 | | Sosar kanda Govt.Primary School | 120 | 4 | Shosharkanda Atgaon Union | No |
| 14 | | Surma Govt.Primary School | 109 | 3 | Surma,Atgaon Union | No |
| 15 | | Sorif Pur Govt.Primary School | 95 | 3 | Sharifpur, Atgaon Union | No |
| 16 | | Gonganogor Govt.Primary School | 96 | 3 | Gonganagor, Atgaon Union | No |
| 17 | | Uttar Ujanigaon Govt.Primary School | 180 | 3 | Uttar Uzangaon, Atgaon Union | No |
| 18 | | Uttar Sosarkanda Govt.Primary School | 152 | 3 | Uttar Shoaharkanda, Atgaon Union | No |
| 19 | | Annodour Govt.Primary | 159 | 5 | Anondapur, Atgaon | Yes |

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|----------------------------------|-----------------|-----------------|----------------------------|---------------------------------|
| | | School | | | Union | |
| 20 | | Chakua Govt.Primary School | 242 | 4 | Chakua, Atgaon Union | No |
| 21 | | Hobibpur Govt.Primary School | 158 | 5 | Hobibpur, Atgaon Union | Yes |
| 22 | | Noyagaon Govt.Primary School | 92 | 4 | Noagaon, Hobibpur Union | Yes |
| 23 | | Kasimpur Govt.Primary School | 189 | 4 | Kashiur, Hobibpur Union | No |
| 24 | | Ditpur Govt.Primary School | 94 | 3 | Dhitpur, Hobibpur Union | No |
| 25 | | Volanogor Govt.Primary School | 102 | 3 | Volanagor, Hobibpur Union | No |
| 26 | | Dokkhin hati Govt.Primary School | 103 | 3 | Dakkhinhati Hobibpur Union | No |
| 27 | | Namotpur Govt.Primary School | 92 | 3 | Niamotpur, Hobibpur Union | No |
| 28 | | Rampur Govt.Primary School | 40 | 3 | Rampur, Hobibpur Union | No |
| 29 | | Sha Arpin Govt.Primary School | 107 | 3 | Shah Arpin, Hobibpur Union | No |
| 30 | | Saskhai Govt.Primary School | 102 | 4 | Shaskhai, Hobibpur Union | No |

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|--------------------------------|-----------------|-----------------|-----------------------------|---------------------------------|
| 31 | | Soudeshri Govt.Primary School | 251 | 4 | Soudeshri, Hobibpur Union | Yes |
| 32 | | Markuli Govt.Primary School | 275 | 4 | Markuli, Hobibpur Union | No |
| 33 | | Narkila Govt.Primary School | 64 | 5 | Narkila, Hobibpur Union | Yes |
| 34 | | Jatgaon Govt.Primary School | 33 | 4 | Jatgaon, Hobibpur Union | No |
| 35 | | Putka Govt.Primary School | 50 | 4 | Putka, Hobibpur Union | No |
| 36 | | Narinpur Govt.Primary School | 45 | 4 | Narayanpur, Hobibpur Union | No |
| 37 | | Sorosh pur Govt.Primary School | 117 | 3 | Soroshpur, Hobibpur Union | Yes |
| 38 | | BeelPur Govt.Primary School | 7577 | 3 | Beelpur, Hobibpur Union | No |
| 39 | | Ahsanpur Govt.Primary School | 51 | 3 | Ahsanpur, Hobibpur Union | No |
| 40 | | Kolapara Govt.Primary School | 81 | 3 | Kholapara, Hobibpur Union | Yes |
| 41 | | Pochimpara Govt.Primary School | 139 | 3 | Poschimpara, Hobibpur Union | No |
| 42 | | Aguai Govt.Primary | 139 | 3 | Aguai, Hobibpur | No |

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|-----------------------------------|-----------------|-----------------|-----------------------------|---------------------------------|
| | | School | | | Union | |
| 43 | | Mohura pur Govt.Primary School | 105 | 3 | Mohurapur, Hobibpur Union | No |
| 44 | | Dhokkain Para Govt.Primary School | 91 | 3 | Dokkhinpara, Hobibpur Union | No |
| 45 | | Fozulla Pur Govt.Primary School | 117 | 3 | Foyjullapur, Hobibpur Union | No |
| 46 | | Bisnpur Govt.Primary School | 116 | 3 | Bishnupur, Hobibpur Union | No |
| 47 | | Dobirul Islam Govt.Primary School | 226 | 3 | Hobibpur Union | No |
| 48 | | Brammongan Govt.Primary School | 43 | 3 | Brammongaon, Hobibpur Union | No |
| 49 | | Bahara Govt.Primary School | 109 | 5 | Bahara, Hobibpur Union | Yes |
| 50 | | Angarua Govt.Primary School | 134 | 4 | Angarua, Hobibpur Union | No |
| 51 | | Porarpar Govt.Primary School | 61 | 4 | Porarpar, Hobibpur Union | No |
| 52 | | Protap Pur Govt.Primary School | 114 | 4 | Protappur, Hobibpur Union | Yes |
| 53 | | Veradohor Govt.Primary School | 96 | 4 | Verador, Hobibpur Union | No |

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|---|-----------------|-----------------|-------------------------------|---------------------------------|
| 54 | | Jatrapur Govt.Primary School | 95 | 4 | atrapur, Hobibpur Union | No |
| 55 | | Ghungiargaon Adorso Govt.Primary School | 260 | 5 | Ghungiarga on, Hobibpur Union | No |
| 56 | | Sultanpur Govt.Primary School | 139 | 4 | Sultanpur, Hobibpur Union | No |
| 57 | | Mukterpur Govt.Primary School | 117 | 5 | Mokterpur, Hobibpur Union | No |
| 58 | | Nandi Govt.Primary School | 28 | 5 | Nandi Bahara Union | No |
| 59 | | Sudon Kholli Govt.Primary School | 45 | 4 | Sudon Kholli Bahara Union | No |
| 60 | | Vatgaon Govt.Primary School | 125 | 4 | Vatgaon Bahara Union | No |
| 61 | | Musapur Govt.Primary School | 229 | 04 | Musapur Bahara Union | No |
| 62 | | Noyapara Govt.Primary School | 160 | 03 | Noyapara Bahara Union | No |
| 63 | | Kholim Pur Govt.Primary School | 65 | 03 | Kholim Pur Bahara Union | Yes |
| 64 | | Loxmipasa Govt.Primary School | 81 | 03 | Loxmipasa Bahara Union | No |

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|--------------------------------------|-----------------|-----------------|---------------------------------|---------------------------------|
| 65 | | Mada Govt.Primary School | 161 | 03 | Mada, Bahara Union | No |
| 66 | | Ujan Jattrra Pur Govt.Primary School | 180 | 03 | Ujan Jattrra Pur , Bahara Union | No |
| 67 | | Domra Roshiklal Govt.Primary School | 150 | 03 | Domra, Bahara Union | No |
| 68 | | Moddor Hati Govt.Primary School | 62 | 03 | Moddor Hati, Bahara Union | No |
| 69 | | Hori Nogor Govt.Primary School | 59 | 03 | Hori Nogor, Bahara Union | No |
| 70 | | Noya Hati Govt.Primary School | 54 | 03 | Noya Hati, Bahara Union | No |
| 71 | | Sibpur Govt.Primary School | 50 | 03 | Sibpur, Bahara Union | Yes |
| 72 | | Tazpur Govt.Primary School | 77 | 03 | Tazpur, Bahara Union | No |
| 73 | | Sukhline Govt.Primary School | 95 | 03 | Sukhline Bahara Union | No |
| 74 | | Kandar Hati Govt.Primary School | 73 | 03 | Kandar Hati, Bahara Union | No |
| 75 | | Rupsha Govt.Primary School | 63 | 03 | Rupsha, Bahara Union | No |

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|-----------------------------------|-----------------|-----------------|----------------------------|---------------------------------|
| 76 | | Shekh Hati Govt.Primary School | 58 | 03 | Shekh Hati, Bahara Union | No |
| 77 | | Mohon Kholli Govt.Primary School | 52 | 03 | Mohon Kholli, Bahara Union | No |
| 78 | | Hori Pur Govt.Primary School | 59 | 03 | Hori Pur, Bahara Union | No |
| 79 | | Magna Par Govt.Primary School | 137 | 03 | Magna Par, Bahara Union | No |
| 80 | | Rogunath Pur Govt.Primary School | 58 | 03 | Rogunath Pur, Bahara Union | Yes |
| 81 | | Mirzakanda Govt.Primary School | 113 | 03 | Mirzakanda, Bahara Union | No |
| 82 | | Shulla Govt.Primary School | 446 | 05 | Shulla, Shulla Union | Yes |
| 83 | | Kadirpur Govt.Primary School | 100 | 03 | Kadirpur, Shulla Union | No |
| 84 | | Kandigaon Govt.Primary School | 180 | 04 | Kandigaon, Shulla Union | No |
| 85 | | Sohodab pasha Govt.Primary School | 144 | 04 | Sohodab, Shulla Union | Yes |
| 86 | | Sobia Govt.Primary School | 113 | 04 | Sobia, Shulla Union | No |

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|--|-----------------|-----------------|----------------------------|---------------------------------|
| 87 | | Monuya Govt.Primary School | 118 | 4 | Monuya, Shulla Union | No |
| 88 | | Yearabad Govt.Primary School | 219 | 3 | Yearabad, Shulla Union | No |
| 89 | | Noyagaon Rahamot pur Govt.Primary School | 113 | 3 | Noyagaon, Shulla Union | No |
| 90 | | Krishno Pur Govt.Primary School | 70 | 3 | Krishno Pur, Shulla Union | No |
| 91 | | Shimer Kanda Govt.Primary School | 116 | 3 | Shimer Kanda, Shulla Union | No |
| 92 | | Additopur Govt.Primary School | 65 | 4 | Additopur, Shulla Union | No |
| 93 | | Kartikpur Govt.Primary School | 148 | 4 | Kartikpur, Shulla Union | No |
| 94 | | Kamargaon Govt.Primary School | 55 | 4 | Kamargaon, Shulla Union | No |
| 95 | | Gobindopur Govt.Primary School | 36 | 4 | Gobindopur, Shulla Union | No |
| 96 | | Abda Govt.Primary School | 234 | 4 | Abda, Shulla Union | No |
| 97 | | Shrihai Govt.Primary School | 137 | 4 | Shrihai, Shulla Union | No |

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|--------------------------------------|-----------------|-----------------|-------------------------|---------------------------------|
| 98 | | Rowua Govt.Primary School | 59 | 04 | Rowua, Shulla Union | No |
| 99 | | Bolrumpur Govt.Primary School | 41 | 03 | Bolrumpur, Shulla Union | No |
| 100 | | Goani Govt.Primary School | 59 | 03 | Goani, Shulla Union | No |
| 101 | | Kheruala Govt.Primary School | 50 | 03 | Kheruala, Shulla Union | No |
| 102 | | Rowua choto hati Govt.Primary School | 55 | 03 | Rowua, Shulla Union | No |
| 103 | | 14 NO kasipur Govt. Primary School | 189 | 04 | kasipur, Atgaon Union | No |
| | Total | 103 | 12906 | 369 | | 17 |

List of Non Govt. High School, Shulla

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|-----------------------------------|-----------------|-----------------|----------------|---------------------------------|
| 01 | Non Govt. High School | Shahid Alli High School | 645 | 09 | Bahara Union | Yes |
| 02 | | Gobindro Chando Girls High School | 512 | 10 | Bahara Union | No |
| 03 | | Giridhor High School | 478 | 08 | Hobibpur Union | No |
| 04 | | Shamsuddor High School | 428 | 06 | Bahara Union | No |
| 05 | | Hafez Ali High School | 343 | 05 | Atgaon Union | No |
| 06 | | Mahmud Nagor High School | 193 | 05 | Atgaon Union | No |
| 07 | | Soudersree School & College | 487 | 10 | Hobibpur Union | Yes |
| 08 | | Aslam Uddin Public High School | 420 | 05 | Shulla Union | No |
| 09 | | Chkua Junior Secondary School | 95 | 03 | Hobibpur Union | No |
| 10 | | Sorlal Junior Secondary School | 204 | 04 | Bahara Union | No |
| 11 | | Ballrampur High School | 215 | 04 | Shulla Union | No |
| | Total | 11 | 4020 | 69 | | 02 |

List of Non Govt. Dakhil Madrasa, Shulla

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|---------------------------------|-----------------|-----------------|--------------|---------------------------------|
| 01 | Non Govt. Dakhil Madrasa | Shulla Hasemiah Dakhil Madrasha | 282 | 09 | Bahara Union | NO |
| 02 | | Dampur Madrasha | 484 | 05 | Shulla Union | No |
| | Total | 02 | 766 | 14 | | |

List of Govt. / Non Govt. Colleges, Shulla

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|-----------------------------|-----------------|-----------------|----------------|---------------------------------|
| 01 | College | Shulla College | 402 | 13 | Bahara Union | Yes |
| 02 | | Soudersree School & College | 63 | 03 | Hobibpur Union | Yes |
| | Total | 02 | 465 | 16 | | 02 |

List of Community Schools, Shulla

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|-------------------------|-----------------|-----------------|------------------------|---------------------------------|
| 01 | Community School | Hossen Community School | 150 | 3 | Kashipur, Shulla Union | No |

List of BRAC Schools, Shulla

| Sl. No. | School/ Madrasa/ College | Name | No. of Students | No. of Teachers | Village | Whether used as a Flood Shelter |
|---------|--------------------------|------------------------------------|-----------------|-----------------|---------------------------|---------------------------------|
| 01 | BRAC School | Dowlotpur-1 BRAC School | 30 | 1 | Dowlotpur, Atgaon Union | No |
| 02 | | Dowlotpur-3 BRAC School | 30 | 1 | Dowlotpur Atgaon Union | No |
| 03 | | Bishnupur BRAC School | 30 | 1 | Bishnupur, Hobibpur Union | No |
| 04 | | Sultanpur Sultanpur BRAC School | 30 | 1 | Sultanpur, Bahara Union | No |
| 05 | | Meda BRAC School | 30 | 1 | Meda, Bahara Union | No |
| 06 | | Charvera Dohor BRAC School | 30 | 1 | Charvera, Bahara Union | No |
| 07 | | Veradohor Tengrar hati BRAC School | 30 | 1 | Veradohor, Bahara Union | No |
| 08 | | Tuker hati BRAC School | 30 | 1 | Tuker hati, Bahara Union | No |
| 09 | | Nasirpur BRAC School | 30 | 1 | Nasirpur, Shulla Union | No |
| | Total | 09 | 270 | 09 | | - |

Annexure 12

List of Health Service Centers, Shulla

| Sl. No. | Name of Health Centers | Location | Number | Numbers of | | |
|---------|---|----------------------------|-----------|------------|----------|---------------|
| | | | | Doctor | Nurse | Service Staff |
| 01 | Upazila Health & Family Walfaer Centers | Ghungiargaon, Bahara Union | 1 | 3 | 5 | 5 |
| 02 | Health & Family Walfaer Centers | Ghungiargaon, Bahara Union | 1 | 3 | | 2 |
| 03 | Health & Family Walfaer Centers | Atgaon, Atgaon Union | 1 | 3 | | 2 |
| 04 | Community Clinic | Hobibpur, Hobibpur Union | 1 | 1 | | |
| 05 | Community Clinic | Bishnupur, Hobibpur Union | 1 | 1 | | |
| 06 | Community Clinic | Ahsanpur, Hobibpur Union | 1 | 1 | | |
| 07 | Community Clinic | Monua, Shulla Union | 1 | 1 | | |
| 08 | Community Clinic | Adittopur, Shulla Union | 1 | 1 | | |
| 09 | Community Clinic | Shreehail, Shulla Union | 1 | 1 | | |
| 10 | Community Clinic | Earabad, Atgaon Union | 1 | 1 | | |
| 11 | Community Clinic | Shukline, Bahara Union | Close | 1 | | |
| 12 | Community Clinic | Horipur, Bahara Union | Close | | | |
| 13 | Community Clinic | Berador, Bahara Union | Close | | | |
| 14 | Community Clinic | Kashipur, Atgaon Union | Close | | | |
| 15 | Community Clinic | Uzangaon, Atgaon Union | Close | | | |
| 16 | Community Clinic | Mahmudnagor, Atgaon Union | Close | | | |
| | Total | 16 | 16 | 17 | 5 | 9 |

Annexure 13

List of Beels

There are 35 beels in Shulla. Among them, 43 beels are above 20 acre and 47 beels are below 20 acre and 3 beels are open.

| Sl. No. | Name of Beel | Use | Usefulness | Brief Description |
|---------|---|-------|---|-------------------|
| 1. | Bahirchapta Beel | Using | Different types of fish found in the beels. Huge sums of money are earned every year by selling fish from the beels which is playing a leading role in the social development. Besides, the water of the beels is used for irrigation. It helps to create employment opportunity and meet the demand of nutrition. The beels are the fields of different birds. | Above 20 acre |
| 2. | Kapna Beel | | Do | Do |
| 3. | Chamar nodir Agar Par & Surmar dobi & Kara beel | | Do | Do |
| 4. | Kazua Nodi | | Do | Do |
| 5. | Kalni Nodir Dohor(nos.-2) | | Do | Do |
| 6. | Chapta Beel Grop | | Do | Do |
| 7. | Andarin Nodi | | Do | Above 20 acre |
| 8. | Sojtalkhali 6 th Khondo | | Do | Do |
| 9. | Horipur Nodi 1 st Khondo | | Do | Do |
| 10. | Darin Nodi 2st Khondo | | Do | Do |
| 11. | Mukterpur Nodi group | | Do | Do |
| 12. | Duttapara | | Do | Do |

| Sl. No. | Name of Beel | Use | Usefulness | Brief Description |
|---------|---|-----|------------|-------------------|
| 13. | Mouti Beel & Garalia | | Do | Do |
| 14. | Gulma beel | | Do | Do |
| 15. | Potengga beel | | Do | Do |
| 16. | Vando Beel | | Do | Do |
| 17. | Dhonnar Mannar Chapta beel | | Do | Do |
| 18. | howka chatli Bagua beel | | Do | Do |
| 19. | Bahara nodir 1 st Dobi beel | | Do | Do |
| 20. | Godi beel | | Do | Do |
| 21. | Chandihor 1 st dobi beel | | Do | Do |
| 22. | Hatni Beel | | Do | Do |
| 23. | Haria Beel | | Do | Do |
| 24. | Bash Patia 1 st vera mohona beel | | Do | Do |
| 25. | putka Jagor beel | | Do | Do |
| 26. | Mora gang | | Do | Do |
| 27. | souresree lock kating beel | | Do | Do |
| 28. | Fen Khai beel | | Do | Do |
| 29. | Kashipur Laia Digha group C | | Do | Do |
| 30. | Kashipur Laia Digha group D | | Do | Do |
| 31. | Chilar dobi ganggua gugly beel | | Do | Above 20 acre |
| 32. | Akter beel | | Do | Do |
| 33. | Chamty nodi beel | | Do | Do |
| 34. | Borgaon Earabad beel | | Do | Do |
| 35. | Chotopura beel group beel | | Do | Do |
| 36. | son chatol beel | | Do | Do |

| Sl. No. | Name of Beel | Use | Usefulness | Brief Description |
|---------|--|-----|------------|-------------------|
| 37. | Roua & kari beel | | Do | Do |
| 38. | mora buck look cutting beel | | Do | Do |
| 39. | Darain nodi 5 th khondo | | Do | Do |
| 40. | Kochuapara khal & beel | | Do | Do |
| 41. | Hizli beel 1 st choto hizly | | Do | Do |
| 42. | Noagaon Chamti nodi beel | | Do | Do |
| 43. | Kabil beel | | Do | Do |
| 44. | Piair Chamria beel | | Do | Below 20 acre |
| 45. | Chamti nodir ziara beel | | Do | Do |
| 46. | Kalni nodir mora jhak | | Do | Do |
| 47. | notun doba & putkha khalerpul beel | | Do | Do |
| 48. | Rupa baro bondher beel | | Do | Do |
| 49. | Joaria beel | | Do | Do |
| 50. | Darain nodir beel | | Do | Do |
| 51. | Kuri beel | | Do | Do |
| 52. | Shapla beel | | Do | Do |
| 53. | Kuril beel 1 st joaria chalki | | Do | Do |
| 54. | Kuril 1 st choto chalki | | Do | Do |
| 55. | Bhanga Khaler Khew beel | | Do | Do |
| 56. | Darain nodi 1 st monuar dair | | Do | Do |
| 57. | Juktia doriar kheu beel | | Do | Do |
| 58. | Chamti nodir Ziara beel | | Do | Do |
| 59. | Goa beel | | Do | Do |
| 60. | Gullo beel & dharer mukher beel | | Do | Do |

| Sl. No. | Name of Beel | Use | Usefulness | Brief Description |
|---------|---|-----|------------|-------------------|
| 61. | Gonfir beel boro beel | | Do | Do |
| 62. | Boro bondher beel | | Do | Do |
| 63. | Char kunai beel | | Do | Do |
| 64. | Boro bhuyan beel 1 st baro doa beel | | Do | Do |
| 65. | Choto Gung beel | | Do | Do |
| 66. | Khalisha beel | | Do | Do |
| 67. | Garua jora beel | | Do | Do |
| 68. | Baro khal beel | | Do | Do |
| 69. | Barokhai | | Do | Do |
| 70. | Choto digha & baro digha beel | | Do | Do |
| 71. | Gora Vungga beel | | Do | Do |
| 72. | Kara beel | | Do | Do |
| 73. | Digha beel | | Do | Do |
| 74. | Garua Beel | | Do | Do |
| 75. | Chatol beel | | Do | Do |
| 76. | Lamapura beel | | Do | Do |
| 77. | mokterpurer khal | | Do | Do |
| 78. | Kumaria beel | | Do | Do |
| 79. | Koshma beel | | Do | Do |
| 80. | Baro medi choto medi boishakhy beel | | Do | Do |
| 81. | gopy beelSabbir beel | | Do | Do |
| 82. | Sabbir beel | | Do | Do |
| 83. | Kali chuna group beel | | Do | Open beel |
| 84. | Bahir Chapta beel | | Do | Do |

| Sl. No. | Name of Beel | Use | Usefulness | Brief Description |
|---------|--|-----|------------|-------------------|
| 85. | Godi beel nil khir beel | | Do | Do |
| 86. | Pagla beel | | Do | Do |
| 87. | Abdullapurur Bhuyan beel | | Do | Do |
| 88. | Bazaria beel | | Do | Do |
| 89. | Borer bondher beel | | Do | Below 20 acre |
| 90. | Chengguar kara & dubi beel | | Do | Do |
| 91. | Darai nodi 1 st khondo beel | | Do | Open beel |
| 92. | Darai nodi 3 rd khondo beel | | Do | Do |
| 93. | Darai nodi 4 th khondo beel | | Do | Do |

Annexure 14

List of Professional Cooperative Society, Shulla

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|--|-----------------------------|---|----------|
| 1 | Putka Fishermen Cooperative Association Ltd | 673 8/4/72 | Village:Putka,UP:Hobi bpur Post:Kadirganj,Shulla | Inactive |
| 2 | Kholapara Fishermen Cooperative Association Ltd | 765 | Village:Asanpur,UP:Ho bibpur Post:Kadirganj, Shulla | Active |
| 3 | Uzan Earabad Fishermen Cooperative Association Ltd | 63 23/2/06 | Village: Uzan Earabad ,UP: Post:Brogendrogonj ,Shulla | Active |
| 4 | Atgaon Fishermen Cooperative Association Ltd | 21 27/11/07 | Village:Agua ,UP:Hobibpur Post:Kadirganj,Shulla | Active |
| 5 | Akota Fishermen Cooperative Association Ltd | Sunam/10- 8-09 8/9/09 | Village: Akota,UP: Atgaon Post: Brogendrogonj,Shulla | Active |
| 6 | Rogunathpur Fishermen Cooperative Association Ltd | 1263 27/7/09 | Village:, Rogunathpur UP:Bahara, Post:Ghungiur gaon,Shulla | Active |
| 7 | Mokterpur Fishermen Cooperative Association Ltd | 1264 27/7/09 | Village:Mokterpur,UP: Bahara,Post:Ghungiar gaon | Active |
| 8 | Shahodeb pasha Fishermen Cooperative Association Ltd | 1288 24/8/09 | Village: Shahodeb pasha Up:Shulla Post:Azmirigonj,Shulla | Active |
| 9 | Jatrapur Fishermen Cooperative Association Ltd | 1309 24/8/09 | Village: Jatrapur Up:Bahara Post:Ghungiur gaon,Shulla | Active |
| 10 | Rowya Fishermen Cooperative Association Ltd | 1362 29/9/09 | Village: Rowya Up:Shulla Post:Sreehil,Shulla | Active |
| 11 | Goani Fishermen Cooperative Association Ltd | 1419 31/12/09 | Village: Goani Up: Shulla Post:Sreehil,Shulla | Active |
| 12 | Foyjullah pur Fishermen Cooperative Association Ltd | 1439 31/1/10 | Village:Foyjullah pur Up: Hobibpur Post:Kadirgonj, Shulla | Active |
| 13 | Shreehai Fishermen Cooperative | 1729 22/5/11 | Village:Shreehai Up: Shulla | Active |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|---|-------------------------|---|----------|
| | Association Ltd | | Post:Sreehil,Shulla | |
| 14 | Niamotpur Fishermen Cooperative Association Ltd | 1723 22/5/11 | Village:Niamotpur Up: Hobibpur Post:Anndopur,Shulla | Active |
| 15 | Faridpur Fishermen Cooperative Association Ltd | 161 22/5/10 | Village: Faridpur Post:Brojanrogonj,Shulla | Inactive |
| 16 | Brogaon Fishermen Cooperative Association Ltd | 1472 28/02/10 | Village: Brogaon UP:Atgaon Post:Brojanrogonj,Shulla | Inactive |
| 17 | Meda notun hati Fishermen Cooperative Association Ltd | 1446 4/2/10 | Village: Meda UP:Bahara Post: Paharpur Shulla | Active |
| 18 | Sultanpur Fishermen Cooperative Association Ltd | 55 17/2/08 | Village: Sultanpur Up: Shulla Post: Ghonggiar gaon, Shulla | Active |
| 19 | Sharifpur Fishermen Cooperative Association Ltd | 1411 15/12/09 | Village: Sharifpur UP:Atgaon Post:Brojanrogonj,Shulla | Active |
| 20 | Sonar bangla Fishermen Cooperative Association Ltd | 995 30/04/72 | Village:Abda Up: Shulla Post:Sreehail ,Shulla | Active |
| 21 | Anondopur Fishermen Cooperative Association Ltd | 1375 5/10/09 | Village: Anondopur Up: Hobibpur, Post: Anondopur,Shulla | Inactive |
| 22 | Sapla Ujan Fishermen Cooperative Association Ltd | 66 1/3/06 | Village:Ujan Earabad UP:Atgaon Post:Brojanrogonj,Shulla | Active |
| 23 | Kandigaon Fishermen Cooperative Association Ltd | 1302 18/8/09 | Village: Kandigaon UP: Shulla Post:Azmirigonj, Shulla | Active |
| 24 | Meghnapara Fishermen Cooperative Association Ltd | 735 7/4/72 | Village: Meghnapara UP:Bahara Post:Ghunggiar Gaon, Shulla | Active |
| 25 | Kashipur Fishermen Cooperative Association Ltd | 790 8/4/72 | Village: Kashipur UP:Atgaon Post:Brojanrogonj,Shulla | Active |
| 26 | Fishermen Cooperative Association Ltd | 585 4/4/2002 | Kadirpur,Up: Shulla Post:Azmiriganj,Shulla | Active |
| 27 | Pach hati somota | 27/08-09 | Village: Atgaon, UP: | Inactive |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|--|--------------------------|---|----------|
| | Fishermen Cooperative Association Ltd | 23/2/09 | Atgaon, Post: Bajendragonj, Shulla | |
| 28 | Daudpur Fishermen Cooperative Association Ltd | 1303 18/8/09 | Village: Dhoutpur, UP: Atgaon, Post: Bajendragonj, Shulla | Inactive |
| 29 | Ghunggiar gaon Fishermen Cooperative Association Ltd | 1362 13/9/09 | Village: Ghunggiar gaon, UP: Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 30 | Bahara Fishermen Cooperative Association Ltd | 1478 2/3/10 | Village: Bahara, UP: Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 31 | Protappur Fishermen Cooperative Association Ltd | 1684 3/3/11 | Village: Protappur, UP: Bahara, Post: Paharpur, Shulla | Active |
| 32 | Mourapur Fishermen Cooperative Association Ltd | 1461 22/2/11 | Village: Mourapur, UP: Habipur, Post: Kadirganj, Shulla | Active |
| 33 | Kartikpur Fishermen Cooperative Association Ltd | 3 18/6/90 | Village: Kartikpur, UP: Shulla, Post: Shreehail, Shulla | Active |
| 34 | Ujangaon Fishermen Cooperative Association Ltd | 1404 15/11/09 | Village: Ujangaon, UP: Atgaon, Post: Shulla, Shulla, | Active |
| 35 | Mamudnagor Fishermen Cooperative Association Ltd | 1526 7/4/10 | Village: Mamudnagar, UP: Atgaon, Post: Bajendaganj, Shulla | Inactive |
| 36 | Shorospur Fishermen Cooperative Association Ltd | 1520 21/3/10 | Village: Saurespur, UP: Hobibpur, Post: Kadirganj, Shulla | Inactive |
| 37 | Shulla (Ali Nagor) Fishermen Cooperative Association Ltd | 1458 18/2/10 | Village: Shulla (Alinagor), UP: , Post: Shulla, Shulla | Inactive |
| 38 | Bazrkandi Fishermen Cooperative Association Ltd | 1447 4/2/10 | Village: Bazarkandi, UP: Atgaon , Post: Brajendraganj, Shulla | Inactive |
| 39 | Meda Fishermen Cooperative Association Ltd | 1363 13/9/09 | Village: Meda, UP: Bahara , Post: Paharpur, Shulla | Inactive |
| 40 | Simerkanda Fishermen Cooperative Association Ltd | 1360 13/9/09 | Village: Simerkanda, UP: Shulla , Post: Shreehail, Shulla | Inactive |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|---|-------------------------------|--|----------|
| 41 | Hossenpur Fishermen Cooperative Association Ltd | 1262 27/7/9 | Village:Hosenpur, UP:Shulla , Post: Shreehail, Shulla | Active |
| 42 | Nijgaon Fishermen Cooperative Association Ltd | 151 12/2/07 | Village:Nijgaon, UP:Atgaon , Post: Brajendraganj , Shulla | Active |
| 43 | Bishnupur Fishermen Cooperative Association Ltd | 40/14- sunam 3/4/14 | Village:Bishnopur, UP:Hobibpur , Post: Kadirganj , Shulla | Active |
| 44 | Monua Fishermen Cooperative Association Ltd | 1296 17/8/09 | Village:Monua, UP:Shulla , Post: Azmeriganj , Shulla | Active |
| 45 | Chabbisha CBRMP Fishermen Cooperative Association Ltd | 40/14sunam 3/4/14 | Village: Chabbisha, UP:Shulla , Post: Azmeriganj , Shulla | Active |
| 46 | SurmaMultipurpas Cooperative Association Ltd | 1637 3/4/14 | Village:Faridpur, UP:Atgaon , Post: Brajendraganj , Shulla | Inactive |
| 47 | Satata Sanchoi o Rendan Cooperative Association Ltd | 39/11- 12(Sunam) 3/4/14 | Village: Ghunggiar gaon, UP:Bahara , Post: Ghunggiar gaon , Shulla | Active |
| 48 | Satpara Sanchoi o Rendan Cooperative Association Ltd | 20/12/11 | Village:Satpara , UP:Shulla , Post: Ghunggiar gaon , Shulla | Inactive |
| 49 | Shokhline Agriculture Cooperative Association Ltd | 738 7/12/67 | Village:Shukhline, UP:Bahara, Post: Anandapur, Shulla | Inactive |
| 50 | Veradhor gopalkhali Agriculture Cooperative Association Ltd | 683 5/10/68 | Village:Veradhor, UP:Bahara, Post: Paharpur, Shulla | Inactive |
| 51 | Sultanpur Agriculture Cooperative Association Ltd | 481 29/10/68 | Village:Sultanpur, UP:Bahara, Post: Ghunggiar gaon, Shulla | Inactive |
| 52 | Rouja Agriculture Cooperative Association Ltd | 708 5/11/68 | Village:Rouja, UP: Shulla, Post: , Sreehail, Shulla | Inactive |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|--|--------------------------|---|----------|
| 53 | Meghnapara Potua Agriculture Cooperative Association Ltd | 1143 6/11/68 | Village: Meghnapara, UP: Bahara, Post: Ghunggiar gaon, Shulla | Inactive |
| 54 | Uttar Protappur Agriculture Cooperative Association Ltd | 255 15/11/06 | Village: Protappur, UP: Bahara, Post: Paharpur , Shulla | Inactive |
| 55 | Putka Agriculture Cooperative Association Ltd | 246 16/11/68 | Village: Putka, UP: Hobibpur, Post: Kadirganj , Shulla | Inactive |
| 56 | 2no: Sahadebpur Agriculture Cooperative Association Ltd | 252 18/11/68 | Village: Sahadebpur, UP: Shulla, Post: Azmeriganj , Shulla | Active |
| 57 | 2no: Putka Agriculture Cooperative Association Ltd | 449 26/11/68 | Village: Pukta, UP: Hobibpur, Post: Kadirganj, Shulla | Active |
| 58 | 2no: Veradhor Agriculture Cooperative Association Ltd | 465 26/11/68 | Village: Rogunathpur, UP: Bahara, Post: Ghunggiar gaon , Shulla | Active |
| 59 | Rogunath Agriculture Cooperative Association Ltd | 739 28/12/68 | Village: Rogunathpur, UP: Bahara, Post: Ghunggiar gaon , Shulla | Active |
| 60 | 1no: Bahara Agriculture Cooperative Association Ltd | 742 7/12/68 | Village: Bahara, UP: Bahara, Post: Ghunggiar gaon , Shulla | Active |
| 61 | 2no: Kadipur Agriculture Cooperative Association Ltd | 904 7/12/68 | Village: Kadipur, UP: Shulla, Post: Azmeriganj , Shulla | Active |
| 62 | Monuya krishnopur Agriculture Cooperative | 741 7/12/68 | Village: Monuya, UP: Shulla, Post: Azmeriganj, Shulla | Active |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|---|-------------------------|---|---------|
| | Association Ltd | | | |
| 63 | Dakkin Protuppur Agriculture Cooperative Association Ltd | 254 16/12/68 | Village:Protappur, UP:Bahara, Post:Paharpur , Shulla | Active |
| 64 | 1no:Nasirpur Agriculture Cooperative Association Ltd | 248 16/12/68 | Village:Nasirpur, UP:Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 65 | Additopur Agriculture Cooperative Association Ltd | 456 16/3/69 | Village:Additopur, UP:Mallha, Post:Sreehail , Shulla | Active |
| 66 | Simerbondha Agriculture Cooperative Association Ltd | 456 16/3/69 | Village:Mamudnagor, UP:Atgaon, Post:Brojendroganj , Shulla | Active |
| 67 | Pachimerchar Agriculture Cooperative Association Ltd | 1799 10/10/69 | Village:Mamudnagor, UP:Atgaon, Post: Brojendroganj , Shulla | Active |
| 68 | Haripur Agriculture Cooperative Association Ltd | 1358 10/10/69 | Village:Haripur, UP:Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 69 | 3no:Kadirpur Agriculture Cooperative Association Ltd | 1401 10/10/69 | Village:Kandigaon, UP:Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 70 | Veradhor Barodhoba Agriculture Cooperative Association Ltd | 1775 10/10/69 | Village:Veradhor, UP:Bahara, Post:Paharpur , Shulla | Active |
| 71 | Iyarabad Samaj kallan Agriculture Cooperative Association Ltd | 1364 10/10/68 | Village:Iyarabad, UP:Atgaon, Post:Brojendroganj , Shulla | Active |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|---|-----------------------------|---|---------|
| 72 | 2no: Sreehail Agriculture Cooperative Association Ltd | 1742 18/10/68 | Village:Sreehail, UP:Shulla, Post:Sreehail , Shulla | Active |
| 73 | 3no:Kadirpur Agriculture Cooperative Association Ltd | 1783 18/10/69 | Village:Kadipur, UP:Shulla, Post:Azmeriganj , Shulla | Active |
| 74 | Bouria Kasipur Agriculture Cooperative Association Ltd | 1340 18/10/69 | Village:Kasipur, UP:Atgaon, Post:Brojendaganj , Shulla | Active |
| 75 | Shulla Milon Agriculture Cooperative Association Ltd | 771 10/10/69 | Village:Shulla, UP:Shulla, Post:Azmerigang , Shulla | Active |
| 76 | Udhaya Kasipur Agriculture Cooperative Association Ltd | 1839 13/11/69 7/11/69 | Village:Kasipur, UP:Atgaon, Post:Brojendaganj , Shulla | Active |
| 77 | Simerkanda Agriculture Cooperative Association Ltd | 819 7/11/69 | Village:Simerkandi, UP:Shulla, Post:Azmeriganj , Shulla | Active |
| 78 | 1no:Kadirpur Agriculture Cooperative Association Ltd | 896 7/12/69 | Village:Kadipur, UP:Shulla, Post:Azmeriganj , Shulla | Active |
| 79 | Hobibpur Agriculture Cooperative Association Ltd | 1409 11/10/70 | Village:Hobibpur, UP:Hobibpur, Post: , Shulla | Active |
| 80 | Krishnopur Barir lama Agriculture Cooperative Association Ltd | 1245 7/12/72 | Village: Krishnopur, UP:, Post: , Shulla | Active |
| 81 | Hizli Agriculture Cooperative | 468 | Village:Hizli, UP:Hobibpur, Post:Anadapur , | Active |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|---|--------------------------|--|----------|
| | Association Ltd | | Shulla | |
| 82 | Tarajani Landless Agriculture Cooperative Association Ltd | 244 11/8/75 | Village: Tarajani, UP: Bahara, Post: Kadirganj , Shulla | Active |
| 83 | Garerbanda landless Agriculture Cooperative Association Ltd | 2846 10/12/76 | Village: Tarajani, UP: Bahara, Post: Kadirganj, Shulla | Inactive |
| 84 | 1no Atgaon Agriculture Cooperative Association Ltd | 1733 31/12/68 | Village: Akota, UP: Atgaon, Post: Brojendraganj , Shulla | Inactive |
| 85 | Shulla upazilla central Cooperative Association Ltd | 95/c 23/9/93 | Shulla Upazila , Ghunggiar gaon, Shulla | Active |
| 86 | Nabaran Agriculture Cooperative Association Ltd | 180 6/11/70 | Village: Gobindapur, UP: Shulla, Post: Azmeriganj , Shulla | Active |
| 87 | Shulla Muslim Agriculture Cooperative Association Ltd | 1771 6/11/69 | Village: Shulla, UP: Shulla, Post: Azmeriganj , Shulla | Active |
| 88 | Bahara poliarjan Agriculture Cooperative Association Ltd | 1234 7/12/72 | Village: Bahara, UP: Bahara, Post:, Shulla | Inactive |
| 89 | Ujanjtrapur Agriculture Cooperative Association Ltd | 1234 25/11/72 | Village: Ujanjtrapur, UP: Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 90 | Meghnapara Dighabonda Agriculture Cooperative Association Ltd | 1231 14/11/72 | Village: Meghnapara, UP: Bahara, Post: Ghunggiar gaon, Shulla | Active |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|---|-------------------------|---|----------|
| 91 | 1no: Dampur Agriculture Cooperative Association Ltd | 244 16/11/68 | Village:Dampur, UP:Shulla, Post:Azmeriganj, Shulla | Active |
| 92 | Horipur Tarajani Agriculture Cooperative Association Ltd | 1236 5/11/72 | Village:Horipur, UP:Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 93 | Sahadebpasa Agriculture Cooperative Association Ltd | 251 16/11/68 | Village:Horipur, UP:Bahara, Post: Ghunggiar gaon , Shulla | Active |
| 94 | Vatgaon Agriculture Cooperative Association Ltd | 1395 10/10/69 | Village:Vatgaon, UP:Bahara, Post: Ghunggiar gaon, Shulla | Inactive |
| 95 | Kandigaon Agriculture Cooperative Association Ltd | 1759 18/10/69 | Village:Kandigaon, UP:Bahara, Post: Ghunggiar gaon, Shulla | Inactive |
| 96 | Tokchanpur Agriculture Cooperative Association Ltd | 1489 10/10/69 | Village:Tokchanpur,U P:Hobibpur, Post:Kadirganj , Shulla | Inactive |
| 97 | Narkila Brammongaon Agriculture Cooperative Association Ltd | 743 7/12/68 | VillageTokchanpur,UP :Hobibpur, Post:Kadirganj Shulla | Active |
| 98 | Bazarkandi Agriculture Cooperative Association Ltd | 1371 14/10/69 | Village:Bazarkandi:,UP :Atgaon, Post:Brojendraganj , Shulla | Active |
| 99 | Anggaruya Thalerbonda Agriculture Cooperative Association Ltd | 1227 25/11/72 | Village : Anggaruya,UP:Hobibpur, Post:Ananadapur , Shulla | Active |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|--|--------------------------|--|----------|
| 100 | 1no:Kandigaon Agriculture Cooperative Association Ltd | 740 | Village: Kandigaon, UP:Shulla, Post Ghunggiar gaon: , Shulla | Active |
| 101 | Sharifpur Agriculture Cooperative Association Ltd | 1235 25/11/72 | Village: Sharifpur, UP:Atgaon, Post:Brojendraganj , Shulla | Active |
| 102 | Kandakhal Agriculture Cooperative Association Ltd | 1397 10/10/69 | Village:, Kandakhal,UP:Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 103 | Rouya chotu hati Agriculture Cooperative Association Ltd | 457 16/3/79 | Village: Rouya, UP:Shulla, Post:Sreehail , Shulla | Active |
| 104 | Rupsha Agriculture Cooperative Association Ltd | 1182 23/12/72 | Village: Rupsa, UP:Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 105 | Niamotpur Agriculture Cooperative Association Ltd | 1146 7/12/72 | Village:Niamotpur,UP: Bahara, Post:Ananadapur , Shulla | Active |
| 106 | 3 no.Putka Agriculture Cooperative Association Ltd | 764 7/12/68 | Village:Pukta , UP:Hobibpur, Post:Kadirganj , Shulla | Inactive |
| 107 | Sonakani Agriculture Cooperative Association Ltd | 1824 | Village: Sonakani, UP:Atgaon, Post:Brojendraganj , Shulla | Active |
| 108 | Horinagor Agriculture Cooperative Association Ltd | 342 27/12/78 | Village: Horinagor, UP:Bahara, Post:Ananadapur , Shulla | Active |
| 109 | Ishakpur Agriculture Cooperative Association Ltd | 215 10/10/69 | Village: Ishakpur, UP:Shulla, Post:Sreehail , Shulla | Active |
| 110 | Mokterpur Agriculture | 1354 10/10/69 | Village: Mokterpur, UP:Bahara, Post: Ghunggiar gaon, | Active |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|---|--------------------------|---|---------|
| | Cooperative Association Ltd | | Shulla | |
| 111 | Porarpar Agriculture Cooperative Association Ltd | 1425 | Village: Porarpar, UP: Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 112 | 1 no. Mokterpur Agriculture Cooperative Association Ltd | 751 10/10/68 | Village: Mokterpur , UP: Bahara, Post: Ananadapur , Shulla | Active |
| 113 | 3 no. Mokterpur Agriculture Cooperative Association Ltd | 708 10/10/68 | Village: Mokterpur, UP: Bahara, Post: Ananadapur, Shulla | Active |
| 114 | Nabo Rupali Agriculture Cooperative Association Ltd | 155 17/02/78 | Village: Gobindapur , UP: Shulla, Post: Sreehail , Shulla | Active |
| 115 | Shibpur Agriculture Cooperative Association Ltd | 343 12/12/78 | Village: Shibpur, UP: Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 116 | 1 no. Nasirpur Agriculture Cooperative Association Ltd | 250 16/3/68 | Village: Nasirpur, UP: Shulla, Post: Sreehail , Shulla | Active |
| 117 | Adilpur Agriculture Cooperative Association Ltd | 456 16/3/79 | Village: Adilpur, UP: Shulla, Post: Sreehail , Shulla | Active |
| 118 | Narayanpur Agriculture Cooperative Association Ltd | 447 8/3/79 | Village: Narayanpur, UP: Hobibpur, Post: Kadirganj , Shulla | Active |
| 119 | Simerkanda Agriculture Cooperative Association Ltd | 458 16/3/79 | Village: Simerkanda, UP: Atgaon, Post: Brojendraganj , Shulla | Active |
| 120 | Tri polli ganok hati | 869 22/11/79 | Village: Mamudnagor, | Active |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|--|-------------------------|---|---------|
| | Agriculture Cooperative Association Ltd | | UP:Atgaon, Post:Brojendraganj, Shulla | |
| 121 | Ninda GatuarBondaAgriculture Cooperative Association Ltda | 1228 25/11/72 | Village: Ninda, UP: Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 122 | Ditpur Agriculture Cooperative Association Ltd | 876 8/1/80 | Village: Hobibpur, UP: Hobibpur, Post: Kadirganj, Shulla | Active |
| 123 | Aguai Agriculture Cooperative Association Ltd | 650 8/9/79 | Village: Aguai, UP: Hobibpur, Post: Kadirganj, Shulla | Active |
| 124 | 1no Aguai Agriculture Cooperative Association Ltd | 661 3/10/79 | Village: Aguai, UP: Hobibpur, Post: Kadirganj, Shulla | Active |
| 125 | Lamerchar Agriculture Cooperative Association Ltd | 1763 18/10/69 | Village: Mirzakanda, UP: Bahara, Post: Azmeriganj, Shulla | Active |
| 126 | Purbo earabad Agriculture Cooperative Association Ltd | 657 25/9/79 | Village: Earabad, UP: Shulla, Post: Ghunggiar gaon, Shulla | Active |
| 127 | Bahara Boruhati Agriculture Cooperative Association Ltd | 877 8/1/80 | Village: Bahara, UP: Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 128 | Chabbisakhali hati Agriculture Cooperative Association Ltd | 724 30/10/79 | Village: Chabbisa, UP: Shulla, Post: Ghunggiar gaon, Shulla | Active |
| 129 | Uttar Sharifpur Agriculture Cooperative Association Ltd | 808 22/11/79 | Village: Sharifpur, UP: Atgaon, Post: Brojendraganj, Shulla | Active |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|--|-------------------------|---|---------|
| 130 | Rampur Agriculture Cooperative Association Ltd | 1233 25/11/72 | Village: Rampur, UP: Bahara, Post: Ghunggiar gaon, Shulla | Active |
| 131 | Khaledpur Agriculture Cooperative Association Ltd | 973 11/3/80 | Village: Khaledpur, UP: Shulla, Post: Sreehail , Shulla | Active |
| 132 | Kalimpur Agriculture Cooperative Association Ltd | 1322 13/12/80 | Village: Kalimpur ,UP: Bahara, Post: Paharpur, Shulla | Active |
| 133 | Ghunggiar gaon Agriculture Cooperative Association Ltd | 934 6/2/80 | Village: Ghunggiargaon, UP: Bahara, Post: Ghunggiargaon, S hulla | Active |
| 134 | Boruabda Agriculture Cooperative Association Ltd | 2036 6/2/82 | Village: Boruabda, UP: Shulla, Post: Sreehail , Shulla | Active |
| 135 | Borugaon Agriculture Cooperative Association Ltd | 1704 21/7/80 | Village: Borugaon, UP: Atgaon, Post: Brojendraganj , Shulla | Active |
| 136 | Bagerhati Agriculture Cooperative Association Ltd | 1809 | Village: Bagerhati, UP: Bahara, Post: Ghunggiargaon, Shulla | Active |
| 137 | Mamudnagor Shamoly Agriculture Cooperative Association Ltd | 1342 13/12/80 | Village: Mamudnagor, UP: Atga on, Post: Brojendraganj , Shulla | Active |
| 138 | Shukline Progoti Agriculture Cooperative Association Ltd | 1250 22/10/80 | Village: Shukline, UP: Atgaon, Post: Brojendraganj , Shulla | Active |
| 139 | Sreehail Pachim hati Agriculture Cooperative Association Ltd | 1311 6/2/80 | Village: Sreehail , UP: Shulla, Post: Sreehail , Shulla | Active |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|--|-------------------------|---|----------|
| 140 | Porargaon Purbo hati Agriculture Cooperative Association Ltd | 1697 | Village: Porargaon, UP: Bahara, Post: Brojendraganj, Shulla | Active |
| 141 | Vati Doulotpur Agriculture Cooperative Association Ltd | 1730 4/9/81 | Village: Doulotpur, Atgaon, Post: Brojendraganj, Shulla | Inactive |
| 142 | Mahespur(chokuya) Agriculture Cooperative Association Ltd | 1700 21/7/81 | Village: Chokuya, UP: Hobibpur, Post: Brojendraganj, Shulla | Active |
| 143 | MohanKholli Agriculture Cooperative Association Ltd | 1180 4/10/80 | Village: MohanKholli, UP: Bahara, Post: Ghunggiargaon, Shulla | Active |
| 144 | Jatrapur Agrini Agriculture Cooperative Association Ltd | 2298 21/9/74 | Village: Jatrapur, UP: Bahara, Post: Ghunggiargaon, Shulla | Active |
| 145 | Vatgaon Noya bosti Agriculture Cooperative Association Ltd | 1079 8/7/80 | Village: Vatgaon, UP: Bahara, Post: Ghunggiargaon, Shulla | Active |
| 146 | Uttar Vatgaon Agriculture Cooperative Association Ltd | 2034 | Village: Vatgaon, UP: Bahara, Post: Ghunggiargaon, Shulla | Active |
| 147 | Khalapara Agriculture Cooperative Association Ltd | 1807 3/12/81 | Village: Khalapara UP: Hobibpur, Post: Ghunggiargaon, Shulla | Active |
| 148 | Rampur purbo Hati Agriculture Cooperative Association Ltd | 1808 3/12/81 | Village: Rampur, UP: Hobibpur, Post: Ghunggiargaon, Shulla | Active |
| 149 | Narayanpur chouipara Agriculture | 3 11/1/83 | Village: Narayanpur, UP: Hobibpur, Post: | Active |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|--|--------------------------|--|---------|
| | Cooperative Association Ltd | | Ghunggiargaon,Shulla | |
| 150 | Kasipur Noyahati Agriculture Cooperative Association Ltd | 1812 3/12/81 | Village: Kasipur, UP:Hobibpur, Post: Ghunggiargaon,Shulla | Active |
| 151 | Nizgaon Purbohati Agriculture Cooperative Association Ltd | 1813 4/12/81 | Village: Nizgaon, UP:Atgaon, Post:Brojendraganj , Shulla | Active |
| 152 | Kartikpur Agriculture Cooperative Association Ltd | 1959 11/12/81 | Village: Kartikpur, UP:Shulla, Post:Azmeriganj , Shulla | Active |
| 153 | Sosarkanda Dhokin Para Agriculture Cooperative Association Ltd | 2010 | Village: Sosarkanda, UP:Atgaon, Post:Brojendraganj , Shulla | Active |
| 154 | Kasipur Agriculture Cooperative Association Ltd | 2378 27/12/82 | Village: Kasipur ,UP:Hobibpur, Post: Ghunggiargaon,Shulla | Active |
| 155 | Rupsa Madhapara Agriculture Cooperative Association Ltd | 2292 15/10/82 | Village: Rupsa, UP:Bahara, Post: Ghunggiargaon,Shulla | Active |
| 156 | Dhokin Potka Agriculture Cooperative Association Ltd | 2 11/1/83 | Village: Potka, UP:Hobibpur, Post: Kadirganj,Shulla | Active |
| 157 | Uttor Yasakpur Agriculture Cooperative Association Ltd | 78 3/2/83 | Village: Yasakpur, UP:Shulla, Post:Azmeriganj , Shulla | Active |
| 158 | Bithongol (Saros)Agriculture Cooperative Association Ltd | 1/11/83 | Village: Sarospur, UP:Hobibpur, Post: Kadirganj,Shulla | Active |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|---|--------------------------|--|----------|
| 159 | Bahara Bazar Hati Agriculture Cooperative Association Ltd | 45 25/1/83 | Village: Bahara, UP: Bahara, Post: Ghunggiargaon, Shulla | Active |
| 160 | Horipur Uttar para Agriculture Cooperative Association Ltd | 2285 25/10/82 | Village: Horipur, UP: Bahara, Post: Ghunggiargaon, Shulla | Active |
| 161 | 2no Bahara Boru hati Agriculture Cooperative Association Ltd | 46 25/3/83 | Village: Bahara, UP: Bahara, Post: Ghunggiargaon, Shulla | Active |
| 162 | Soudersree Kadamtoli Agriculture Cooperative Association Ltd | 2213 13/8/82 | Village: Soudersree, UP: Bahara, Post: Ghunggiargaon, Shulla | Active |
| 163 | Uttar Abda Agriculture Cooperative Association Ltd | 2287 25/10/82 | Village: Boru abda, UP: Shulla, Post: Sreehail , Shulla | Active |
| 164 | Kartikpur dakkin para Agriculture Cooperative Association Ltd | 2290 25/10/82 | Village: Kartikpur, , UP: Shulla, Post: Sreehail , Shulla | Active |
| 165 | Soudersree Nayahati Agriculture Cooperative Association Ltd | 2286 | Village: Soudersree, UP: Hobibpur, Post: Kadirganj, Shulla | Active |
| 166 | Kharuyala Agriculture Cooperative Association Ltd | 195 12/5/78 | Village: Kharuyala, , UP: Shulla, Post: Sreehail , Shulla | Active |
| 167 | Shulla Upazila Central Poor Cooperative Association Ltd | 40 4/6/2001 | Palli Jibikayan Baban Shulla | Active |
| 168 | Mukterpur Nayahati Poor Woman Cooperative | 461 18/4/01 | Village: Mukterpur, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|---|-------------------------|--|----------|
| | Association Ltd | | | |
| 169 | Mukterpur Pachimhati Poor Woman Cooperative Association Ltd | 462 18/4/01 | Village: Mukterpur, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 170 | Bahara Madhahati Poor Woman Cooperative Association Ltd | 463 18/4/01 | Village: Bahara, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 171 | Bahara Boruhati Poor Woman Cooperative Association Ltd | 469 30/4/01 | Village: Bahara, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 172 | Mamudnagor Bagerhati Poor Woman Cooperative Association Ltd | 471 30/04/01 | Village: Mamudnagor, UP: Atgaon, Post: Brojendraganj, Shulla | Inactive |
| 173 | Mukterpur Shekhati Poor Woman Cooperative Association Ltd | 472 30/4/01 | Village: Mukterpur, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 174 | Dakkin Sultanpur Poor Woman Cooperative Association Ltd | 473 30/4/01 | Village: Sultanpur, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 175 | Meghnapara Poor Woman Cooperative Association Ltd | 474 30/4/01 | Village: Meghnapara, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 176 | Mukterpur Madhahati Poor Woman Cooperative Association Ltd | 475 30/4/01 | Village: Mukterpur, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 177 | Mantipur Poor Woman Cooperative Association Ltd | 476 30/4/01 | Village: Santipur, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 178 | Kandigaon Nayahati | 01 26/8/01 | Village: Kandigaon, | Inactive |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|---|--------------------------|---|----------|
| | Poor Woman Cooperative Association Ltd | | UP:Shulla, Post: Ghunggiargaon,Shulla | |
| 179 | Chabbisa Dakkinhati Poor Woman Cooperative Association Ltd | 02 26/8/01 | Village: Chabbisa ,UP:Shulla, Post: Ghunggiargaon,Shulla | Inactive |
| 180 | Sultanpur Uttar Poor Woman Cooperative Association Ltd | 03 26/8/01 | Village: Sultanpur, UP:Bahara, Post: Ghunggiargaon,Shulla | Inactive |
| 181 | Anandapur Uttarhati Poor Woman Cooperative Association Ltd | 9 06/11/01 | Village:Anandapur,UP: Hobibpur, Post:Anandapur,Shulla | Inactive |
| 182 | Horipur Dakkinhati Poor Woman Cooperative Association Ltd | 11 6/11/01 | Village: Horinagor, UP:Bahara, Post: Anandapur,Shulla | Inactive |
| 183 | Anandapur Dakkinhati Poor Woman Cooperative Association Ltd | 13 6/11/01 | Village: Anandapur,UP:Hobibpur, Post:Anandapur,Shulla | Inactive |
| 184 | Anandapur Baruhati Poor Woman Cooperative Association Ltd | 14 6/11/01 | Village: Anandapur, UP:Hobibpur, Post:Anandapur,Shulla | Inactive |
| 185 | AnandapurPatnihati Poor Woman Cooperative Association Ltd | | Village: Anandapur, UP:Hobibpur, Post:Anandapur,Shulla | Inactive |
| 186 | Dhumra Purbohati Poor Woman Cooperative Association Ltd | 1 16/01/5 | Village: Dhumra, UP:Bahara, Post: Ghunggiargaon,Shulla | Inactive |
| 187 | Rouya Baruhati Poor Woman Cooperative Association Ltd | 02 16/01/05 | Village: Rouya, UP:Shulla, Post: Sreehail,Shulla | Inactive |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|--|--------------------------|--|----------|
| 188 | Rouya Chotuhati Poor Woman Cooperative Association Ltd | 3 16/01/05 | Village: Rouya, UP:Shulla, Post: Sreehail,Shulla | Inactive |
| 189 | Meghnapara Poor Woman Cooperative Association Ltd | 4 16/01/05 | Village: Meghnapara, UP:Bahara, Post: Ghunggiargaon,Shulla | Inactive |
| 190 | Ghunggiargaon Poor Woman Cooperative Association Ltd | 5 16/01/05 | Village: Ghunggiargaon, UP:Bahara, Post: Ghunggiargaon,Shulla | Inactive |
| 191 | Sasakanda Dashati Poor Woman Cooperative Association Ltd | 6 16/01/05 | Village: Sasakanda, UP:Atgaon, Post:Brojendraganj , Shulla | Inactive |
| 192 | Sasakanda Uttarhati Poor Woman Cooperative Association Ltd | 7 16/01/05 | Village: Sasakanda, UP:Atgaon, Post:Brojendraganj , Shulla | Inactive |
| 193 | Dhumra Pachimhati Poor Woman Cooperative Association Ltd | 8 16/01/5 | Village: Dhumra, UP:Bahara, Post: Ghunggiargaon,Shulla | Inactive |
| 194 | Rampur Purbohata Poor Woman Cooperative Association Ltd | 9 16/01/05 | Village: Rampur, UP:Hobibpur, Post:Anandapur,Shulla | Inactive |
| 195 | Monuya Baruhata Poor Woman Cooperative Association Ltd | 10 16/01/05 | Village: Monuya, UP:Shulla, Post:Azmeriganj , Shulla | Inactive |
| 196 | Chobbisa Uttarhati Poor Woman Cooperative Association Ltd | 11 16/01/05 | Village: Chobbisa, UP:Shulla, Post:Azmeriganj , Shulla | Inactive |
| 197 | Saskhai Nayahata Poor Woman Cooperative Association Ltd | 12 22/01/05 | Village: Saskhai, UP:Hobibpur, Post:Kadirganj,Shulla | Inactive |

| Sl. No. | Name of Association | Registrati on No. & Date | Adderess | Remarks |
|---------|--|--------------------------|---|----------|
| 198 | Ninda Poor Woman Cooperative Association Ltd | 13 22/01/05 | Village: Ninda, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 199 | Vatijatrapur Poor Woman Cooperative Association Ltd | 14 22/01/05 | Village: Vatijatrapur, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 200 | Rouya Nayahati Poor Woman Cooperative Association Ltd | 15 22/11/05 | Village: Rouya, UP: Shulla, Post: Sreehail, Shulla | Inactive |
| 201 | Nasirpur Poor Woman Cooperative Association Ltd | 16 2/11/05 | Village: Nasirpur, UP: Shulla, Po st: Ajmiriganj, Shull | Inactive |
| 202 | Monua Moddho hati Poor Woman Cooperative Association Ltd | 18 2/11/05 | Village: Monua, UP: shulla, Post: Shrihail , Shulla | Inactive |
| 203 | Gobindapur Poor Woman Cooperative Association Ltd | 19 11/6/06 | Village: Gobindapur, UP: shulla, Post: Shrihail , Shulla | Inactive |
| 204 | Shasarkanda hati Poor Woman Cooperative Association Ltd | 20 11/6/06 | Village: Shasarkanda, Up: Hobibpur, Post: Brojendroganj, Shulla. | Inactive |
| 205 | Gonganagor Poor Woman Cooperative Association Ltd | 21 11/6/06 | Village: Gonganagor, Up: Hobibpur, Post: Brojendroganj, Shulla. | Inactive |
| 206 | Mokterpur Kanda hati Poor Woman Cooperative Association Ltd | 467 30/4/01 | Village: Mokterpur, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 207 | Kandigaon Masgid hati Poor Woman Cooperative Association Ltd | 468 26/8/01 | Village: Kandigaon, Up: Shulla, Post: Ajmirig anj, Shulla | Inactive |
| 208 | Mokterpur Baro hati Poor Woman | 470 30/4/01 | Village: Mokterpur, UP: Bahara, | Inactive |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|--|-------------------------|---|----------|
| | Cooperative Association Ltd | | Post: Ghunggiargaon, Shulla | |
| 209 | Kandigaon Moddho hati Poor Woman Cooperative Association Ltd | 01 26/8/01 | Village: Mokterpur, Up:Shulla,Post:Ajmiriganj, Shulla | Inactive |
| 210 | Shahodebpur pasha Poor Woman Cooperative Association Ltd para | 05 26/8/01 | Village:Shahodebpasha, Up:Shulla,Post:Ajmiriganj, Shulla | Inactive |
| 211 | Domra baro hati Poor Woman Cooperative Association Ltd | 06 6/11/01 | Village: Domra, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 212 | Ghunggiargaon barohati Poor Woman Cooperative Association Ltd | 07 6/11/01 | Village: Ghunggiargaon, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 213 | Mamudnagor Baro hati Poor Woman Cooperative Association Ltd | 08 6/11/01 | Village: Mamudnagor, UP: Atgaon, Post: Brojendroganj, Shull | Inactive |
| 214 | Anandopur moddho hati Poor Woman Cooperative Association Ltd | 10 6/11/01 | Village: Anandopur, UP: Hobibpur, Post: Anondapur, Shulla | Inactive |
| 215 | Horinagor baro hati Poor Woman Cooperative Association Ltd | 12 6/11/01 | Village: Horinagor, UP: Hobibpur, Post: Anondapur, Shulla | Inactive |
| 216 | Sukhline Poor Woman Cooperative Association Ltd | 17 2/11/05 | Village: Sukhline, UP: Bahara, Post: Ghunggiargaon, Shulla | Inactive |
| 217 | Shahodebpasha masjid hati Poor Woman Cooperative Association Ltd | 76 23/4/08 | Village: Shahodebpasha, Up: Shulla, Post: Ajmiriganj, Shulla | Inactive |

| Sl. No. | Name of Association | Registration No. & Date | Address | Remarks |
|---------|--|-------------------------|--|----------|
| 218 | Shahodebpasha Baro Poor Woman Cooperative Association Ltd hati | 75 23/4/08 | Village: Shahodebpasha, Up:Shulla,Post:Ajmiriganj, Shulla | Inactive |
| 219 | Protappur dokkhin noya hati Poor Woman Cooperative Association Ltd | | Village: Protappur, Up : Bahara, Post: Paharpur, Shulla | Inactive |
| 220 | Shosarkanda faridpur hati Poor Cooperative Association Ltd | | Village: Shosarkanda, UP: Atgaon, Post:Brojendroganj,Shulla | Inactive |
| 221 | Mamudnagor bithonggol hati Poor Woman Cooperative Association Ltd | | Village: Mamudnagor, , UP: Atgaon, Post:Brojendroganj,Shulla | Inactive |
| 222 | Shibpur Poor Woman Cooperative Association Ltd | | Village:Shibpur, UP:Bahara Post:Anondapur,Shulla | Inactive |
| 223 | Protappur baro hati Poor Woman Cooperative Association Ltd | | Village: Protappur, Up : Bahara, Post: Paharpur, Shulla | Inactive |
| 224 | Anondopur bazaar hati Poor Woman Cooperative Association Ltd | | Village: Anondopur, UP: Hobibpur, Post:Anondapur,Shulla | Inactive |

Annexure 15

List of Elected Bodies of Shulla Upazila

| Sl. No. | Name | Designation | Mobile No. |
|---------|---------------------------|--------------------------------------|-------------|
| 1 | Gonendra Chandra Sarker | Upazila Chairman, Shulla | 01716700822 |
| 2 | Mahabub Sobahani Chowdury | Vice - Chairman, Shulla Upazila | 01712929236 |
| 3 | Mrs. Rezia Begum | Female Vice- Chairman Shulla Upazila | |
| 4 | Juned Manir Prodip | Chairman, Atgaon UP | 01711054385 |
| 5 | Sobul Chandra Das | Chairman, Hobibpur UP | 01714930394 |
| 6 | Md. Jakir Hossain | Chairman,,Bahara UP | 01718376513 |
| 7 | Abul Laiz Chowdhury | Chairman, Shulla UP | 01711156372 |

Annexure 16

Ward Wise Number of Affected Farmers of Shulla Upazila

| Sl. No. | Ward No. | Atgaon Union | | Bahara Union | | Hobibpur Union | | Shulla Union | |
|---------|--------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|
| | | Total No. of Farmers | Affected Farmers | Total No. of Farmers | Affected Farmers | Total No. of Farmers | Affected Farmers | Total No. of Farmers | Affected Farmers |
| 1. | Ward No. 1 | 435 | 112 | 701 | 320 | 775 | 376 | 605 | 275 |
| 2. | Ward No. 2 | 575 | 217 | 692 | 345 | 842 | 517 | 595 | 180 |
| 3. | Ward No. 3 | 382 | 97 | 814 | 520 | 375 | 115 | 625 | 320 |
| 4. | Ward No. 4 | 682 | 292 | 972 | 678 | 780 | 340 | 575 | 185 |
| 5. | Ward No. 5 | 389 | 170 | 435 | 225 | 520 | 145 | 480 | 140 |
| 6. | Ward No. 6 | 420 | 129 | 580 | 384 | 679 | 225 | 392 | 117 |
| 7. | Ward No. 7 | 479 | 202 | 682 | 288 | 872 | 320 | 779 | 382 |
| 8. | Ward No. 8 | 336 | 108 | 579 | 197 | 672 | 281 | 670 | 172 |
| 9. | Ward No. 9 | 330 | 75 | 432 | 115 | 781 | 287 | 682 | 287 |
| | Total | 4028 | 1402 | 5887 | 3072 | 6296 | 2606 | 5403 | 2058 |

Source: Sub Assistant Agriculture Officer, Shulla

*A Workshop on Disaster Management Planning
held at Shulla Upazila*

Disaster Management Planning Workshop held with the initiative of VARD on 03 March, 2014 at 10:30 A.M. under Disaster Management (DM) Plan Project funded by Comprehensive Disaster Management Programme (CDMP II) at the Hall Room of Shulla Upazila Parishad, Sunamganj. Mr. M. M. Mahiuddin Kabir Mahin, Upazila Nirbahi Officer (UNO), Shulla, presided over the workshop. Md. Fazlul Hoque, Master Trainer of VARD-DM Plan Project moderated the workshop. A total of 36 participants of Shulla UpDMC were present on the occasion.

In his greeting speech, Mr. Samir Ranjan Baral, Assistant Director (Field Operation), VARD, congratulated all the guests presented at the workshop. He explained goal and objectives of DM Plan Project and of the workshop as well.



The disaster management planning session is conducted by Md. Fazlul Hoque, Master Trainer of VARD-DM Plan Project. The session becomes lively as well as exuberant resulting in active participation of UpDMC members. Disaster management plan format is filled up based on the opinion of the participants. In the open discussion part of the workshop, participants from different institutions of GO and NGO shared their experience and expressed their opinion to prepare disaster management plan which will be helpful to mitigate the risk of disaster in the context of Sunamganj. In this regard, we have some important and valuable recommendation from them in the workshop those are as follows:

- Heavy rainfall in Meghalaya through the entering point of the Darain river causes flash flood in Shulla. It damaged paddy field of different haors of this upazila. Apart from this, the Darain river is filled up as a result of siltation. So, initiative to be taken to re-excavate this river.
- During flash flood, it is difficult to carry paddy from field for want of vehicle. In this regard, tractor can be introduced for this purpose.

In his closing speech, the president of the workshop Mr. M. M. Mahiuddin Kabir Mahin, Upazila Nirbahi Officer (UNO), Shulla, told that the main hazards of this area are flash flood and draught. As the communication system of this upazila is very poor, submersible roads need to be constructed. He emphasizes on community toilet installation and construction of sluice gate at Katakhal. He expresses thanks and gratitude to UpDMC members, CDMP and VARD as they have prepared disaster management plan. He thinks this plan will play a vital role in disaster risk reduction.

Report prepared by: Md. Fazlul Hoque, Master Trainer, DM Plan Project, VARD.

Workshop on disaster management held

A CORRESPONDENT

SUNAMGANJ: A workshop on disaster management planning was held recently at the hall room of Sulla Upazila Parishad under Sulla upazila of Sunamganj district.

Voluntary Association for Rural Development (VARD), a development organization, organised the workshop under Disaster Management (DM) Plan Project being funded by the Comprehensive Disaster Management Programme (CDMP II).

The workshop was presided over by Sulla Upazila Nirbahi Officer (UNO) M M Mahiuddin Kabir Mahin while it was moderated by VARD-DM Plan Project master trainer Md Fazlul Haque. A total of 36 participants of Sulla UZDMC were present on the occasion.

VARD assistant director (field operation) Samir Ranjan Baral delivered the welcome address. In his address, he explained the goal and objectives of the DM Plan Project and that of the workshop.

The session became

lively as well as exuberant due to active participation of the UZDMC members. The disaster management plan format was created based on the opinion of the participants.

At the open discussion session, participants coming from different institutions of GO and NGO shared their experience and expressed their opinion in preparing the disaster management plan which will be helpful to mitigate the risk of disaster in Sunamganj district.

In his closing speech, Sulla UNO M M Mahiuddin Kabir Mahin said, "Main hazard in the area is flash flood and drought. As the communication system in the upazila is very poor, the low-lying roads need to be constructed."

He stressed on installation of community toilets and construction of sluice gate at Katakhal.

Finally, the UNO expressed thanks to UpDMC members, CDMP and VARD for preparing the disaster management plan. He also hoped that the plan would play a vital role in disaster risk reduction.



A session of the workshop is progressing.

SUN PHOTO

সুদামকর্ষ

মঙ্গলবার, ১১ মার্চ ২০১৪, ২৭ ফাল্গুন ১৪২০, ৯ জমা. আউয়াল ১৪৩৫



আলোচনা সভায় মঞ্চে উপবিষ্ট আতিথিবন্দ -সুদামকর্ষ

শাল্লায় ভার্ডের দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রণয়নে কর্মশালা

ভার্ড-এর উদ্যোগে কম্প্রিহেনসিভ ডিজাস্টার ম্যানেজমেন্ট প্রোগ্রাম (সিডিএমপি-২)-এর আর্থিক সহযোগিতায় দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্পের আওতায় ৩ মার্চ সোমবার সকাল ১০:৩০ ঘটিকায় শাল্লা উপজেলা পরিষদের হলরুমে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রণয়ন বিষয়ক কর্মশালা অনুষ্ঠিত হয়। কর্মশালায় সভাপতিত্ব করেন এম.এম. মহিউদ্দিন কবীর মাহিন, উপজেলা নির্বাহী অফিসার, শাল্লা। কর্মশালায় মুখ্য সংগঠকের ভূমিকায় ছিলেন মো. ফজলুল হক, মাস্টার ট্রেনার, পৃ. ২ কলাম ৪

শাল্লায় ভার্ডের

ডিএম প্ল্যান প্রজেক্ট, ভার্ড। কর্মশালায় শাল্লা উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির মাঠে ৩৬ জন সদস্য উপস্থিত ছিলেন। সমীর রঞ্জন বড়াল, সহকারী পরিচালক (এফও), ভার্ড তার স্বাগত বক্তব্যে উপস্থিত সকলকে শুভেচ্ছা ও অভিনন্দন জানান। এছাড়া, তিনি দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্প এবং কর্মশালার লক্ষ্য ও উদ্দেশ্য ব্যাখ্যা করেন। দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রণয়ন বিষয়ক সেশন পরিচালনা করেন মো. ফজলুল হক, মাস্টার ট্রেনার, ডিএম প্ল্যান প্রজেক্ট, ভার্ড। কর্মশালার সভাপতি এম. এম. মহিউদ্দিন কবীর মাহিন, উপজেলা নির্বাহী অফিসার, শাল্লা, তার সমাপনী বক্তব্যে বলেন যে, আগাম বন্যা ও খরা এই উপজেলার প্রধান দুর্যোগ। তিনি বলেন, শাল্লার যোগাযোগ ব্যবস্থা বিশেষ করে রাস্তাঘাট নেই বললেই চলে। তাই এ উপজেলায় রাস্তাঘাট তৈরি করা দরকার। তিনি কমিউনিটি টয়লেট স্থাপন, কাটাখালিতে সুইজ গেট নির্মাণ এবং মাটির কেদ্বা তৈরির উপর গুরুত্বারোপ করেন। শাল্লা উপজেলার দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রণয়ন করায় উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির সদস্যবৃন্দ, ভার্ড ও সিডিএমপি'কে ধন্যবাদ জানান এবং তাদের প্রতি, কৃতজ্ঞতা প্রকাশ করেন। দুর্যোগ ব্যবস্থাপনা পরিকল্পনা এ উপজেলার দুর্যোগ ঝুঁকি হ্রাসকরণে গুরুত্বপূর্ণ ভূমিকা পালন করবে বলে তিনি আশাবাদ ব্যক্ত করেন।

শাল্লায় কর্মশালা

সুনামগঞ্জ প্রতিনিধি

সুনামগঞ্জ জেলার শাল্লা উপজেলা পরিষদের হলরুমে ভারত উদ্যোগে দুর্যোগ ব্যবস্থাপনা ও পরিকল্পনা প্রশয়নবিষয়ক কর্মশালা সোমবার অনুষ্ঠিত হয়েছে। কর্মশালায় সভাপতিত্ব করেন উপজেলা নির্বাহী অফিসার এমএম মহিউদ্দিন কবীর মাহিন। এতে ভারতের সহকারী পরিচালক (এফও) সমীর রঞ্জন বড়াল ও মাস্টার ট্রেনার মো. ফজলুল হক উপস্থিত ছিলেন।

Annexure 18

A Meeting on Disaster Management Plan Validation held at Shulla Upazila

Disaster Management Plan Validation Meeting is held by VARD on 2 June, 2014 at 11:00 A.M. in participation with Upazila Disaster Management Committee (UzDMC), Shulla under Disaster Management (DM) Plan Project funded by Comprehensive Disaster Management Programme (CDMP II) at the Hall Room of Shulla Upazila Parishad, Sunamganj. Mr. Gonendra Chandra Sarker, the Honorable Chairman, Upazila Parishad, Shulla, presided over the meeting. Md. Fazlul Hoque, Master Trainer of VARD-DM Plan Project moderated the workshop. A total of 30 participants of Shulla UzDMC were present on the occasion.

In his greeting speech, Mr. Samir Ranjan Baral Assistant Director (Field Operation), VARD, congratulated all the guests presented at the meeting. He explained goal and objectives of DM Plan Project and of the meeting as well.



The disaster management plan session is conducted by Md. Fazlul Hoque, Master Trainer of VARD-DM Plan Project. Disaster management plan is finalized based on constructive and valuable opinion from the members of UzDMC. In the open discussion part of the meeting, participants from different institutions of GO, NGO and civil society shared their experience.

In his closing speech, the president of the meeting Mr. Gonendra Chandra Sarker, the Honorable Chairman, Upazila Parishad, Shulla, expresses thanks and gratitude to UzDMC members, CDMP and VARD as they have prepared disaster management plan will play a vital role in disaster risk reduction. He draws attention to the successful implementation of DM Plan Project.

Report prepared by:

*Md. Fazlul Hoque
Master Trainer
DM Plan Project, VARD
Date: 2 June, 2014*

সর্বাধিক প্রচারিত সুনামগঞ্জ জেলার একমাত্র নিয়মিত সাপ্তাহিক

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২৪ রমজান ১৪৩৫
বর্ষ ১৪ সংখ্যা ০২
রেজিঃ নং-চ-৩৭৮

শাল্লায় ভার্ডের উদ্যোগে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা অবহিতকরণ সভা অনুষ্ঠিত

ভার্ড-এর উদ্যোগে কমিপ্রহেলিত অনুষ্ঠিত হয়। উক্ত সভায় ডিভিস্টার ম্যানেজমেন্ট প্রোগ্রাম সভাপতিত্ব করেন শাল্লা উপজেলা (সিডিএমপি-২)-এর আর্থিক পরিষদ চেয়ারম্যান গণেশ চন্দ্র সহযোগিতায় দুর্যোগ ব্যবস্থাপনা পরিষদ চেয়ারম্যান গণেশ চন্দ্র জন সর্বকালে শাল্লা উপজেলা পরিষদের হলরুমে উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি, শাল্লা-এর অংশগ্রহণে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা অবহিতকরণ সভা অনুষ্ঠিত হয়।

শাল্লায় ভার্ডের উদ্যোগে

(এফও) সমীর রঞ্জন বড়াল তার স্বাগত বক্তব্যে উপস্থিত সকলকে শুভেচ্ছা ও অভিনন্দন জানান। এছাড়া, তিনি দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্প এবং সভার লক্ষ্য ও উদ্দেশ্য ব্যাখ্যা করেন। শাল্লা উপজেলার দুর্যোগ ব্যবস্থাপনা পরিকল্পনা বিষয়ক সেশন পরিচালনা করেন মাস্টার ট্রেইনার মো. ফজলুল হক। উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির সদস্যবৃন্দের কার্যকরী মতামতের ভিত্তিতে পরিকল্পনায় প্রয়োজনীয় সংযোজনের মাধ্যমে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা চূড়ান্ত করা হয়। উল্লেখ্য আলোচনায় বিভিন্ন সরকারি-বেসরকারি সংস্থা থেকে আগত প্রতিনিধিগণ তাদের অভিজ্ঞতা বিনিময় করেন। সভায় সভাপতি উপজেলা পরিষদ চেয়ারম্যান গণেশ চন্দ্র সরকার তার সমাপনী বক্তব্যে শাল্লা উপজেলার দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রণয়ন করায় শাল্লা উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির সদস্যবৃন্দ, ভার্ড ও সিডিএমপি'কে ধন্যবাদ জানান এবং তাদের প্রতি কৃতজ্ঞতা প্রকাশ করেন। এটি দুর্যোগ ঝুঁকিহ্রাসকরণে গুরুত্বপূর্ণ ভূমিকা পালন করবে বলে তিনি মতপ্রকাশ করেন। তিনি দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্পের সফল বাস্তবায়নের উপর গুরুত্বারোপ করেন। প্রেসবিজ্ঞপ্তি

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