



Upazila level Disaster Management Plan Development
Upazila -Jamalganj, District-Sunamganj

Plan developed by

Upazila Disaster Management Committee, Jamalganj, Sunamganj

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Upazila Disaster Management Plan Jamalganj Upazila 2014



Upazila Disaster Management Committee
Jamalganj 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. Jamalganj 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 upazils are seasonal floods, river erosion, water logging, kalhaishakhi jhar etc.

VARD is implementing Disaster Management (DM) Plan Project in Jamalganj upazila through the financial assistance of (CDMP) Ph ase-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.

Alhaj Samsul Alam Talukder (Jhunu Mia)
Chairman
Upazila Parishad
Jamalganj, Sunamganj
And
Chairperson
Upazila Disaster Management Committee
Jamalganj, Sunamganj



Message from the 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. Sunamganj district is one of them. Sunamganj district is known throughout the country as low land. 'Fishes, stones, rice are the soul of Sunamganj is universally recognized in the parable. Jamalganj 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 upazils are seasonal floods, river erosion, water logging, kalhaishakhi jhar etc.

Flash flood occurred in Jamalganj due to heavy rainfall and upstream from Meghalaya. The entering point of water is the Surma river of Beheli union. It damaged boro paddy of different haors of the upazila. Seasonal flood is a very common and familiar phenomenon of Jamalganj upazila under Sunamganj district. It is occurred from Ashar to Bhadra in this area due to havv rainfall and upstream from Meghalayas. It occurs widespread damage in the sector of agriculture, fishery, livestock, infrastructure, homes, education, health, trees etc. In Tahirpur upazila the vulnerability of Kalboishakhi Jhar is very high. Due to climate change and seasonal strong wind in Tahirpur 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. 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 damage boro crop, cattle, birds, trees & plants and forest.

Almost every year disaster hits every union of this upazila and adversely affect 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 Jamalganj 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 draw attention to the successful implementation of DM Plan Project.

S. M. Shafi Kamal
Upazila Nirbahi Officer
Jamalganj, Sunamganj
And
Co-chairperson
Upazila Disaster Management Committee
Jamalganj, Sunamganj



Message from Project Implementation Officer (PIO)

Halir and Paknar haor reserves inexhaustible teeming with fish. People of this upazila apply their indigenous 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 Jamalganj 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. Mahmudul Islam
Project Implementation Officer
Jamalganj, Sunamganj
And
Member Secretary
Upazila Disaster Management Committee
Jamalganj, 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. Jamalganj 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, river erosion, thunder storm, draught, kalbaishakhi jhar 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 Jamalganj 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". Jamalganj upazila of Sunamganj district is a very disaster prone area. Agriculture is the main livelihood option of the people of this area. The main obstacles of development of this area are different types of disasters.

Flash flood is the main disaster of this Upazila. Beside, the remarkable disasters of this Upazila are thundarstorm, seasonal flood, river erosion, kalboishakhai jhar, draught etc. Basically, flash flood occurred in Jamalganj due to heavy rainfall in Meghalaya and water entering in Beheli union through Surma River. It causes damage of boro paddy in Halir haor, Paknar haor, Royar haor, Channar haor and Dakuar haor. So, embankment repair is needed. Jamalganj upazila is near Meghalya hill and full of haors, so many peoples died due to thundardstorm in each year. Therefore, it is important to install anti-thunderstorm pole side by side of awareness. Jamapgonj is highly flood prone area. Seasonal flood visits here due to heavy rainfall and upstream flood water from Ashar to Bhadra month. During the rainy season entire area fulls to the brim. Then each and every village looks like floating water hyasinth (kachuri pana). At this time wave raise high and high due to wind. As a result houses, roads, bridge, culverts, cattles, educational institutes, religious institutes, trees & plants and embankments affected. Deaths cases also occur due to boat drown. Up stream water and black earth quarry (for fire place) in the bank of surma river running through Jamalganj union and Sachna Bazar union creates river erosion, basically. River erosion in many villages including Noyagaon, Ramnagar, Horipur, Bahadurpur, Uzzalpur, Talea villages of this upazila losses their houses or crop field and become meager and moving one place to another place like Gipsy. In fact, they are living in a very meagerable condition. Neither government nor any other organization taken initiatives to protect them from river erosion for long times. Generally, Kalboishakhai jhar hits in this Upazila at the end of the month chaitra to the month of Boishak. As a result, boro crops, houses, cattles & poultry birds, trees & plants, forests, and electric cables & poles, educational institutes, religious institutes damaged. At this time food scarcity and scarcity of cattle food breakout. Though kalboishaki jhar occurs in each years Kalboishaki jhar in 2006, 2008, 2012 and 2013 were severe. In

generally, the month of Falgun to Boishak is draught period. Due to draughts boro crops, cattles & poultry birds, trees, plants and forest damages. At this time food scarcity and scarcity of cattle food get away. Draughts occurred in 2008 and 2012 in Jamalganj Upazila. It may be mentioned here that draughts in 2012 affected 14020 hector boro crops. Disaster hits every unions of Jamalganj upazila almost every year which have negative impact on people's lives and livelihood. It hampers different types of development efforts and initiatives. Although this upazila is affected by disasters every year, there is no reflection of workplan at upazila level. This disaster management plan is prepared for Jamalganj upazila as a 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 District/ Upazila

Jamalganj upazila is situated in haor surrounded Sunamganj district under Sylhet division of the north-eastern part of Bangladesh. Tahirpur union of Tahirpur Upazila and Fatehpur Union of Bishwamvarpur upazila of Sunamganj district is to the north, Bhatipara union of Derai Upazila of Sunamganj district and Chakua union of Khaliajuri Upazila of Netrokona district to the south, Mohonpur union Union of Sunamganj Sadar and Shimulbak union of Dakshin Sunamganj upazila of Sunamganj district to the east and Uttar sukhair Rajapur union as well as Dakshin Sukhair Rajapur union of Dharmapasha upazila of sunamganj district to the west of this upazila. The distance is 69 km from the city of Sylhet to Sunamganj district and Jamalganj upazila is 39 km. far from Sunamganj district town. There are 10 rivers, 49 canals, 142.5 km. embankment and 275.8 km. roads in this upazila. The total area of this upazila

is 338.74 square km. The nature of soil is loamy, sandy loamy and Bisuues. Most of the homesteads are bisuues. The soil of agriculture land is loamy and sandy loamy of which the power of fertility is high. Irrigation canal and pond shore are sandy and loamy soils and roads nature bisuues and loamy soil. There is no mineral under-ground resource in this Upazila.

1.3.2 Area

The total area of Jamalganj upazila is 338.74 sq. km. There are 5 unions, 93 mouzas and 179 villages in this upazila.

Upazila	Name of Union	No. of Mouza	Name of Mouza
Jamalganj	Beheli	27	Sundarpur, Barendrapur, Ulukandi, Bazgaon, Bowala, Harinakandi, Jotindrapur, Parshin Alipur, Radhanagar, Innatnagar, Rahimapur, Beheli chak, Kumaria, Harinagar, Beheli, Moshalghat, Rajendrapur, Putia, Haripur, Umedpur, Ahsanpur, Herakandi, Ahmadpur, Hisla, Mohalia, Sahadebpur and Durgapur.
	Bhimkhali	16	Golamipur, Shahpur, Uzzalpur, Uttar Kamlabaz, Bara Ghagotia, Choto Gaghotia, Noyagaon, Bisna, Mirzapur, Molinnagar, Latifpur, Uzirpur, Kalkatakha, Bakhorkhola, Hayatpur and Mollikpur.
	Fenarbak	22	Dakshin Laxmipur, Sammipur, Dakshin Lalapur, Sherpur, Dakshin Jamalpur, Dakshin Rampur, Jashamantapur, Kandabpur, Kuri, Hasnabaz, Nidhipur, Kashipur, Kamargaon, Hatamara, Sharifpur, Rahinagar, Khuzargaon, Matargaon, Dakshin Doulatpur, Gangadharpur, Soyhara and Innatnagar.
	Jamalganj	11	Sunargaon, Kamlabaz, Schna, Rampur, Jamalghor, Teliajamalpur, Kewlikona, Bugbarichak, Lakshipur, Chandpur and Sangbadpur.
	Sachna Bazar	17	Hariharpur, Purbachandpur, dakshin Faridpur, Shemastapur, Takipur, Najatpur, Kukri Pashi, Palak, Dakshin Fatehpur, Parchimnoorpur, Durlabpur, Damudharpur, Rangamati, Uttarlalpur, Haripur, Sujatpur and Rupabali.
Total	05	93	

Source: Upazila land office, Jamalganj

1.3.3 Population

The total population of Jamalganj upazila is 167,260 of which 84,612 are male and 82,648 are female.

Name of Union	Male	Female	Child (0-15)	Aged (60+)	Disable	Total Population	Household	Voter
Beheli	7681	9639	7964	1488	224	19320	3565	12233
Bhimkhali	16307	16540	14124	2562	491	32847	5890	20029
Fenarbak	19261	18179	16099	2696	352	37440	6748	21939
Jamalganj	26141	15463	22137	3561	463	51604	9295	30031
Sachna Bazar	13222	12827	11096	1823	342	26049	4437	15315
Total	84612	82648	71420	12130	1872	167260	29935	99547

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 5 embankments in Jamalganj upazila of which a total length of 142.5 km. The embankments are Shanir haor embankment (Mashuker khara to Science regulator-4.00km, Mohalia embankment (Madnakandi to hizla end point)- 5 km, Halir haor embankment (Sachna Bazar to Ppandupbazar, Rajdharpur to Kalagag, and sangrampur to Sachna Bazar) – 52 km, Paknar haor embankment (Jamalganj 0 to Jamalganj 740 – 74 km, and Mini Paknar haor embankment (Toiabnagar 0 to Toiabnagar 7.5) – 7.5 km. The average height of the embankments are R.L. i.e, reduce level from 5.5 to 6 meter. Embankments damaged more or less in the rainy season every year. That's why, it requires repairing in each year. Source: Bangladesh Water Development Board, Sunamganj.

Sluice Gate

There are 4 sluice gates in a haor of Jamalganj upazila, 1st is constructed on Kalagang river of Royar haor, 2nd is in Abbua river constructed on front of Beheli High school, 3rd is constructed on Anda river channel of fazilpur village and the 4th is constructed on Rakti river channel of Sonapur village and all these sluice gate are well functioning. Source: Bangladesh Water Development Board, Sunamganj.

Bridge

Jamalganj upazila has a total of 05 bridges. These are under Local Government and Engineering Department (LGED). All these 05 bridges are RCC bridges. All bridges are in use in condition. Source: Local Government and Engineering Department (LGED), Jamalganj.

Sl No.	Name Bridge	On which river or canal	Functioning or not
1.	Chandpur (Jamalganj–Salimganj road)	Paknar Khal	Functioning
2.	Lakxmipur (Salimganj–Fenarbak road)	Kanaikhali river	Functioning
3.	Rajapur (Sachna Bazar–Beheli UP road)	Jhadukata river	Functioning
4.	Teranagar (Teranagar–Jamalganj UP road)	Kanaikhali river	Functioning
5.	Noyagaon (Noyagaon–Bhimkhali Bazar road)	Buityar Khal	Functioning

Culvert

There are a total of 169 culverts in Jamalganj upazila. These are under Local Government and Engineering Department (LGED). All bridges are active in condition. **Source: Local Government and Engineering Department (LGED), Jamalganj.**

Road

Jamalganj upazila has a total of 275.8 km. Among them, there are 97.06 km. RCC roads, 160.74 km and 18 km HBB roads in this upazila. There is no submergible road here. The average height of the roads is 3 feet. Needs to be mentioned here that, 88 km. road out of 275.8 km. road are up to the flood level which is free from flood risk. **Source: Local Government and Engineering Department (LGED), Jamalganj.**

Irrigation System

There is no deep tube well in Jamalganj upazila. This upazila has a total of 16 shallow tube wells or shallow machine. Among them 07 are electric and 09 are diesel tube wells. Apart from this, there are 2476 LLP (Low Leap Pump) in this upazila of which 26 are electric and 2450 are diesel LLP. In fact, there is no hand tube well in this upazila. But there are some traditional irrigation machines. These are Don and Seuty. Here are approximately 2250 don and seuti through which 3775 hectares of agricultural land are irrigated. In Jamalganj upazila, 20350 hectares land is under irrigation out of 29,231 hectares of agricultural land. Huge number of agriculture land are still out of irrigation. Still 8,881 hector lands remains out of irrigation. **Source: Department of Agricultural Extension, Jamalganj.**

Hat bazar

There are a total of 17 Hatbazaar in Jamalganj upazila. These are located at 17 villages of 5 Union of this upazila. These take place on different day of the week. There are 930 shops and 17 associations in 17 hat bazaar. The list of hat bazaar of Jamalganj upazila is added at Annexure 10. **Source: Upazila Statistics Office, Jamalganj.**

1.4.2 Social Resource

Homes

Jamalganj upazilaha 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, Jamalganj upazila has a total of 22578 homes. Among them, 18062 homes are hut and 4516 are building. **Source: District Statistical Office, Sunamganj.**

Water

The main sources of drinking water in this upazila are tube well, rivers, canal, beels and ponds. There are a total of 1,364 tube wells in this upazila. Among them, 1297 tube wells are active and 67 tube wells are inactive. 707 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, 40% people of Jamalganj upazila use tube well water. **Source: Department of Public Health and Engineering, Jamalganj.**

Sewerage system

There are a total of 14,974 sanitary latrines in Jamalganj upazila. Among them, 1402 sanitary latrines are placed above the flood level. As a result, these latrines remain suitable for use during flooding period. It is remarkable that 60% people of Jamalganj upazila use sanitary latrine. **Source: Department of Public Health and Engineering, Jamalganj.**

Educational institutions / libraries

There are a total of 518 teachers under 124 government primary schools. 23691 students read in these schools. Besides, there are a total of 126 teachers under 10 non-government primary schools. Students read in these schools. There are 98 Moderres (teacher) in 7 madrasas of this upazila and 2157 students are reading in these madrasas. Mentionable, in Jamalganj there is only one College where 850 students are studying under 22 professors. The list of educational institutes of Jamalganj upazila is added at Annexure 11. **Source: Upazila Primary Education Office and Upazila Secondary Education Office Jamalganj**

Religious institutions

There are a total of 202 religious institutions in Jamalganj upazila. Among them, 159 are mosques and 43 temples. **Source: Upazila Statistics Office Jamalganj.**

Religious gathering place (Eidgah)

There are a total of a total of 23 religious gathering place (Eidgah) in Jamalganj upazila. These are located at 5 Union of this upazila. **Source: Upazila Statistics Office Jamalganj.**

Health Care

There are 1 Upazila Health Complex, 3 health and family welfare centre, 16 community clinics and 1 union-sub center in Jamalganj upazila. There is no private health care center here. Upazila Health Complex is located at upazila head quarter under Jamalganj sadar union. Here are 5 doctors and 5 nurses. The list of health care center of Jamalganj upazila is added at Annexure 12. **Source: Upazila Health Complex, Jamalganj.**

Bank

There are a total of 6 banks in Jamalganj upazila. Among them, Bangladesh Krishi Bank and Janata bank are in Schnabazar, Sonali Bank, Pubali Bank, Grameen Bank and BRAC Bank are situated at Jamalganj Sadar union. Banks provide service here loan, business loans, credit, deposits, etc. **Source: Upazila Statistics Office Jamalganj.**

Post Office

There are a total of 6 Post Office in Jamalganj upazila. Post offices are located at Sachnabazar, Beheli, Jamalganj, Gazaria bazaar, Bheemkhali and Lakshmipur. Post offices here provide services on exchanging letters and parcels, sales revenue and judicial stamps, postal order, money transfer, etc. **Source: Post Office, Jamalganj.**

Club / cultural center

There are a total of 62 Club / cultural centers in Jamalganj upazila. These are located at 5 Union of this upazila. Club / cultural centers here assist in different types of social welfare and development activities. **Source: Upazila Statistics Office, Jamalganj.**

NGO/Voluntary Organizations

Sl. No.	Name of NGO	Project/ Activities	No. of Beneficiaries	Project Duration
1	Friends In Village Development Bangladesh (FIVDB)	Livelihood Support Program (LEP) Livelihood development activities, sanitation, vegetable cultivation, health care	1,359	Continued from October 2010
		Community Learning Program (CLP) Pre-primary schooling, dropout child education	462	Continued from 2009
2	Centre for Natural Resource and Studies	Organizational capacity development	1,678	Continued from 2010
		Good governance	167,260	Continued from 2006
		Swam forestation inn	1,265	Continued from 2008
3	Voluntary Association for Rural Development	Economic and Social Empowerment of the extreme Poor (ESEP) Livelihood development of	2369	Continued from 2011

Sl. No.	Name of NGO	Project/ Activities	No.of Beneficiaries	Project Duration
	(VARD)	the extreme poor.		
		Community Managed Disaster Risk Reduction (CMDRR) Phase-II Project Disaster risk reduction through capacity building of the vulnerable community	33538	Continued from 2009
		Social Intervention towards Sustainable Development (SISD) Adolescent empowerment, IGA for livelihood and development of the poor.	750	Jan'12-Dec'14
4	BRAC	Education program	13050	Continued from 2004
		WASH (Water, Sanitation and Hygiene), ,	1755	Continued from 2012
		Health Program	2800	Continued from 1995
		Micro credit	5000	Continued
		Disaster climate change project	3000	Continued since November 2013
5	IDEA	Livelihood promotion	2000	Continued from 2004
6	CARE Bangladesh	Food security	1800	Continued from 2009
7	DASCO	Safe water and sanitation	1800	Continued from 2011
8	ASA	Micro credit	3000	Continued from 1989
9	PADAKHEP	Micro credit	2000	Continued from 2004
10	Grameen Bank	Micro credit	6000	Continued from 1989
11	Grameen Sakti	Solar energy	1500	Continued from 2010
12	Patakuri	Solar energy	1300	Continued from 2010

Playground

There are a total of 33 playgrounds in Jamalganj upazila. These play grounds are in 5 unions. Out of 33 play grounds of this upazila on 5 play grounds (Mollikipur, Jamalganj , Salimganj, Beheli and Durlavpur) are above flood level and are used during the floods. As a result, People and livestock can take shelter in the fields during flooding period. **Source: Upazila Statistics Office, Jamalganj.**

Cemetery / Crematorium

There are a total of 105 grave yards and 34 crematoriums in Jamalganj upazila. These are located at 5 Union of this upazila. 30 out of 105 grave yard are located at above of the flood level, it is easy to bury death bodies during rainy season. 15 out of 34 crematoriums 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, Jamalganj.**

Communication and transportation

In Jamalganj upazila, the means of communication is leguna, CNG, motorcycle, easy bike, rickshaw, van, bhotbhoti, boat, engine boat etc. People of this area travel one place to another place through above vehicles. There are leguna-150, CNG-130, motorcycle-250, easy bike-135, rickshaw-1100, van-70, bhotbhoti-30, boat-80, engine boat-125 in Jamalganj upazila. **Source: Upazila Statistics Office, Jamalganj.**

Forests and forestry

There are 30 km. strip gardening (forest) in Jamalganj upazila. Different types of trees contain in this forest, such as, kodom, acacia, rain tree, arjun, berry, jackfruit trees, etc. Non- Government Organization CNRS has made 8 Hisal Korose forest totaling 7.75 Acores. 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 Jamalganj upazila, it is found that average quantity of daily rainfall is all the same. The average annual rainfall is 4000 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 1000 mm. in summer, 2500 mm. in rainy season and 500 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, Jamalganj.**

Temperature

In Jamalganj upazila, the highest temperature is 38 degrees centigrade and lowest temperature is 30 degrees centigrade in summer and the maximum temperature is 18 degrees centigrade and minimum temperature is 10 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, Jamalganj.**

Underground water level

In Jamalganj upazila, the level of underground water is usually 450 feet below. Going to notice a change in the level of underground water. Earlier, the level of underground water was 350 feet below. Since underground water level is

getting down during the dry season, there is a shortages of drinking and irrigation water in this area. **Source: Department of Agricultural Extension, Jamalganj.**

1.4.4 Other

Land and land use

Jamalganj upazila has a total of 29,231 hectares land. Among them, the amount of arable and uncultivatedlands are 27,050 hectares and 2181 hectares respectively. Among the arable land, one crop land is 22950 hectares, two crop land is 4100 hectares and tri crop land is. Besides, the amount of the settlement area of 3000 hectoros of the total land area. **Source: Department of Agricultural Extension, Jamalganj.**

Agriculture and Food

The main crops of Jamalganj upazila are rice (Boro, Aus and Aman), potato, vegetables, wheat, pepper, mustard, peanuts, etc. The upazil's cultivated agricultural land and production figures (February,2014) are as follows:

Sl. No.	Name of crop	Cultivateable land (hector)	Production (Metric Tonnes)	Comments
1.	Boro	25150	85510 (rice)	
2.	Aman	500	1250 (rice)	
3.	Aus	-	-	
4.	Wheat	5	12.5	
5.	Mustard	110	110	
6.	Potato	110	2200	
7.	Pepper	150	166.5	
8.	Sweet potato	55	1375	
9.	Peanut	10	18	
10.	Vegetables	150	2250	

Last year there was no disaster in Jamalganj Upazila. Although the flood hits every year in this area, flash flood in 2004, 2009 and 2010 were more devastating.The main foods of this area are rice, fish and vegetables. **Source: Department of Agricultural Extension, Jamalganj.**

River

There are 10 rivers flowing through Jamalganj upazila. The rivers are the Surma, the Peian, the Rakti, the Jadukata, the Dighar Peian, the Dhamalia, the Bemuna, the Daulata, the Kanaikhali and the Boulai. These rivers are playing a vital role in the development of this 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 265 ponds in Jamalganj 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, Jamalganj.**

Canal

There are 49 canals flowing through Jamalganj upazila. Different types of fish found in the canals. Besides the water of the canals is used for irrigation. **Source: Upazila Fishery Office, Jamalganj.**

Beel

There are 95 beels in Jamalganj upazila. Among them, 41 beels are above 20 acre, 41 beels are under 20 acre and 13 are open 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 Jamalganj upazila is added at Annexure 13. **Source: Upazila Fishery Office, Jamalganj.**

Haor

There are 5 haors in Jamalganj upazila. These are Rouar haor, Halir haor, Paknar haor, chanuar haor and Dakuar haor. 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, Jamalganj.**

Arsenic pollution

Arsenic contamination levels are 0.1% in Jamalganj upazila. Arsenic contamination are found in 13 tubes well (0.1%) 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, Jamalganj.**

Chapter 2: Disaster, Hazard and Vulnerability

2.1 Overall History of Disaster

Jamalganj upazila under 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, thunderstorm, seasonal flood, river erosion, kalbaishakhi jhar and draught are remarkable disaster of this upazila as well.

Flash flood occurred in Jamalganj due to heavy rainfall in Meghalaya. As a result the boro crops in Rouar haor, Halir haor, Paknar haor, channar haor and Dakuar haor damage. So, the embankment repair is necessary. Jamalganj Upazila is near the Meghalaya hill and full of haors, so many peoples in Jamalganj died due to the thunderstorms in each year. Therefore, it is important to install anti-thunderstorm pole side by side of awareness. Jamapgonj is highly flood prone area. Seasonal flood visits here due to heavy rainfall and upstream flood water from Ashar to Bhadra month. During the rainy season entire area fulls to the brim. Then each and every village looks like floating water hyacinth (kachuri pana). At this time weav raise high and high due to wind. As a result houses, roads, bridge, culverts, cattles, educational institutes, religious institutes, trees & plants and embankments affected. Deaths cases also occur due to boat drown. Up stream water and black earth quarry (to use as fire) in the bank of surma river running through Jamalganj union and Sachna Bazar union creates river erosion, basically. River erosion in many villages including Noyagaon, Ramnagar, Horipur, Bahadurpur, Uzzalpur, Talea villages of this upazila losses their houses or crop field and become meager and moving one place to another place like Gipsy. In fact, they are living in a very meagerable condition. Neither government nor any other organization taken initiatives to protect them from river erosion for long times. Generally Kalboishakhi jhar hits in this Upazila at the end of the month chaitra to the month of Boishak. As a result boro crops, houses, cattles & poultry birds, trees & plants, forests, and electric cables & poles, educational institutes, religious institutes damaged. At this time food scarcity and scarcity of cattle food breakout. Though kalboishaki jhar occurs in each years Kalboishaki jhar in 2006, 2008, 2012 and 2013 were severe. Grnerally the month of Falgun to Boishak is draught period. Due to draughts boro crops, cattles & poultry birds, trees, plants and forest damages. At this time food scarcity and scarcity of cattle food getaway. Draughts occurred in 2008 and 2012 in Jamalgonj Upazila. It may be mention here that draughts in 2012 affected 14020 hector boro crops.

Previously seasonal flood water was flowing onver 35 cm of the danger point and it was increased for 2-3 days. This water was stayed for 15 days. Flood water was flown from Meghaloy hill through Chalti river of Dalura village in Solukabad union. Peoples generally faced problem in communication, scarcity of food, shelter, emergency treatment, job opportunity, mental depression etc. Due to devastrating floods in 2004 crops in 24734 hectors field, 5472 houses, 74 MK roads (partial), 58 religious institutes, 38 educational institutes and 15 fish firms were damaged and 129 cattles died. Besides, 02 children were drown.

Disaster hits every unions of Jamalganj upazila almost every year which have negative impact on people's lives and livelihood. It hampers different types of development utmost and initiatives.

Name of Disaster	Year	Quantity of loses	Which Sectors/ Elements Damaged
Flash flood	2004, 2007 & 2010	Crops of 24734 (91%) hectares land, 5472 (24%) homes, 74 km (27%) road (partial) , 58 (29%) religious institutions , 38 (21%) educational institutions,15 fish firms were affected and 129 cattles were died, 9550(58%) farmers were affected by flash flood occurred in 2004. Besides, 2 (0.0028%) children were died. Due to flash flood in 2010 Crops of 10389 (38.4%) hectares land were damaged and 6912 (42%) farmers were affected.	Roads, bridges, culverts, homes, seedlings, crops, livestocks, educational institutes, religious institutes, trees, embankments and business enterprises are damaged.
Thunderstorm	2001 to 2013	Due to thunderstorm 20(0.012%) peoples and 65 cattles were died during the year 2001 to 2013.	Peoples, cattles and trees & plants damage
Seasonal flood	2002, 2008 & 2012	In 2002, the total amount of loss & damage were 82 (0.36%) houses, 19km(6.9%) roads (partial), 175 hectors (0.65%) amon crops. Due to boat drown 15 (0.009%) peoples in 1998, 03 (0.0018%) peoples in 2010 and 7 (0.004%) peoples in 2012 died.	Roads, bridges, culverts, homes, seedlings, crops, livestocks, educational institutes, religious institutes, trees, embankments and business enterprises are damaged.
River erosion	2013	As a result of river erosion 40 (0.18%) homestead, 01 (0.36%) km roads, 23 hector	Homes, roads, seedlings, crops, educational institutes and trees are damaged.

Name of Disaster	Year	Quantity of loses	Which Sectors/ Elements Damaged
		crop land(0.09%), 08 tube well, 37 latrine and 72 trees & plants damaged as a result of river erosion in Noyagaon, Ramnagar, Haripur, Bahadurpur, Uzzalpur, Telia and many other villages under this Upazila.	
Kalbaishakhi jhar	2006, 2008, 2012 & 2013	In 2006 Kalbaishakhi jhar 70 (0.31%) homes (partial) damage and 18 (0.004%) domestic poultry birds died.	Boro crops, Homes, livestocks, 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.
Draught	2008 and 2012	Draughts in 2012 damaged 14020 hector (51.8%) boro crops.	Boro crops, cattles, poultry birds, trees & plants and neo natalis affected. Food scarcity and scarcity of cattle foods arises.

2.2 Hazards of District/Upazila

Sl. No.	Hazard	Priority	Ranking
1.	Flash flood	Flash flood	1 st
2.	Kalbaishakhi jhar	Thunder storm	2 nd
3.	Thander storm	Seasonal flood	3 rd
4.	Draught	River erosion	4 th
5.	River erosion	Kalbaishakhi jhar	5 th
6.	Seasonal flood	Draught	6 th

2.3 Different Types of Hazards and its Present and Future Aspects

Flash flood: Jamalganj upazila under Sunamganj district is a very disaster prone, beneath Meghalay and disadvantaged area. Highly flash flood prone area in Jamalganj Upazila. Flash flood occurred in Jamalganj due to heavy rainfall and Meghalayan flashing cross border water at the beginning of the rainy season. Generally flash flood occurs here due to the sudden heavy rainfall in the upstream. Which occurs at the end of the month Chaitra to the month of Boishakh. In fact due to heavy rainfall in the Meghalaya, flashing water comes through the Surma river in the Beheli union of Jamalganj upazila and creates flash floods. As a result crops in Rouar haor, Halir haor, Paknar haor, Channar haor and Dakuar haor damaged.

Flash flood occur wide spread damage in the sector of agriculture, fishery, infrastructure, home, education, communication etc. Though it occurs every year, flash flood of 2004 was devastating. Crops of 24734 hectares land, 5472 homes, 74 km road (partial), 58 religious institutions, 38 educational institutions, 15 fish farms were affected and 129 cattle were died, 9550 farmers were affected by flash flood occurred in 2004. 2 children were died. Due to flash flood in 2010 Crops of 10389 hectares land were damaged and 6912 farmers were affected. The quantity of union wise damages by the flash flood occurred in 2004 is as follows:

Beheli Union

In Beheli union of Jamalganj upazila, boro crops of 4215 hectares land, 1083 homes, 15.7 km road (partial), 30 trees, 8 educational institutes, 12 religious institutions and 2 fish farms are affected and 24 cattle died by flash flood occurred in 2004. As a result, 2844 farmers family are affected directly and indirectly.

Bhimkhali Union

In Bhimkhali union of Jamalganj upazila, boro crops of 3296 hectares land, 815 homes, 10 km road (partial), 6 trees, 4 educational institutes, 08 religious institutions and 4 fish farms are affected and 19 cattle died by flash flood occurred in 2004. As a result, 2020 farmers family are affected directly and indirectly.

Fenarbak Union

In Fenarbak union of Jamalganj upazila, boro crops of 6981 hectares land, 1410 homes, 18 km road (partial), 40 trees, 09 educational institutes, 10 religious institutions and 2 fish farms are affected and 34 cattle died by flash flood occurred in 2004. As a result, 3375 farmers family are affected directly and indirectly.

Jamalganj Union

In Jamalganj union of Jamalganj upazila, boro crops of 5947 hectares land, 1195 homes, 19 km road (partial), 17 trees, 11 educational institutes, 13 religious institutions and 4 fish farms are affected and 30 cattle and 2 children died by flash flood occurred in 2004. As a result, 2505 farmers family are affected directly and indirectly.

Sachna Bazar Union

In Sachna Bazar union of Jamalganj upazila, boro crops of 4295 hectares land, 969 homes, 10.3 km road (partial), 15 trees, 6 educational institutes, 09 religious institutions and 3 fish firms are affected and 20 cattle died by flash flood occurred in 2004. As a result, 2388 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 Jamalganj upazila is as follows:

Beheli Union

Due to heavy rainfall and upstream water from Meghalay if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in Beheli union of Jamalganj Upazila then 5128 hector boro crop, 1352 home & homestead (partial), 19 KM roads (partial), 170 trees & plants, 13 educational institutes, 04 religious institutes, 4 fish firm may be affected and 40 cattle may be died . As a result 3535 farmer families may fall in loss directly or indirectly.

Bhimkhali Union

Due to heavy rainfall and upstream water from Meghalay if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in Bhimkhali union of Jamalganj Upazila then 4150 hector boro crop, 1082 home & homestead (partial), 13 KM roads (partial), 110 trees & plants, 11 educational institutes, 17 religious institutes, 9 fish firm may be affected and 32 cattle may be died . As a result 2525 farmer families may fall in loss directly or indirectly.

Fenarbak Union

Due to heavy rainfall and upstream water from Meghalay if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in Fenarbak Union of Jamalganj Upazila then 9116 hector boro crop, 1973 home & homestead (partial), 23 KM roads (partial), 220 trees & plants, 17 educational institutes, 35 religious institutes, 6 fish firm may be affected and 58 cattle may be died . As a result 4219 farmer families may fall in loss directly or indirectly.

Jamalganj Union

Due to heavy rainfall and upstream water from Meghalay if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in Jamalganj sadar **Union** of Jamalganj Upazila then 8758 hector boro crop, 1895 home & homestead (partial), 25 KM roads (partial), 120 trees & plants, 20 educational institutes, 32 religious institutes, 7 fish firm may be affected and 52 cattle may be died . As a result 3132 farmer families may fall in loss directly or indirectly.

Sachna Bazar Union

Due to heavy rainfall and upstream water from Meghalay if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in Sachna Bazar Union of Jamalganj Upazila then 5585 hector boro crop, 1095 home & homestead (partial), 14 KM roads (partial), 95 trees & plants, 10 educational institutes, 15

religious institutes, 7 fish farm may be affected and 38 cattle may be died . As a result 2985 farmer families may fall in loss directly or indirectly.

Thunder storm: Thunder storm is frequent in Sunamganj district. Jamalganj upazila is near Meghalya hill and full of haors, so many peoples died due to thundardstorm in each year. Thunderstorm occurs here from the month of Boishakh to Kartik month. As a result peoples died. Livestock and trees damage due to the thunderstorm. In each year death case occurs due to thander storm in this upazila. During the las few years the vulnerabloty of the thander storm increased in a horifull manner. It may mention here that from 2001 – 2013 due to thander storm 20 peoples and 65 cattles died here. Union wise loss and damages due to thander storm are as follows:

Beheli Union

Due to thander storm in Beheli union of Jamalganj Upazila 4 peoples and 18 cattles died from 2001 to 2013.

Bhimkhali Union

Due to thander storm in Bhimkhali union of Jamalganj Upazila 3 peoples and 11 cattles died from 2001 to 2013.

Fenarbak Union

Due to thander storm in Fenarbak union of Jamalganj Upazila 7 peoples and 15 cattles died from 2001 to 2013.

Jamalganj sadar Union

Due to thander storm in Jamalganj sadar union of Jamalganj Upazila 2 peoples and 12 cattles died from 2001 to 2013.

Sachna Bazar Union

Due to thander storm in Sachna Bazar union of Jamalganj Upazila 4 peoples and 9 cattles died from 2001 to 2013.

In future, losses and damages of thander storm may increase due to climate change. Because, in last 2-3 years the frequency of thander storm increased alarmingly. At this, death case of the peoples may be increased and livestock, trees & plants, etc may be damage in large scale. In future, the quantity of union wise damages may be happened by the thander storm in Jamalganj upazila is as follows:

Beheli Union

Due to thander storm in Beheli union of Jamalganj Upazila 2 peoples and 11 cattles may die in future.

Bhimkhali Union

Due to thander storm in Bhimkhali union of Jamalganj Upazila 1 peoples and 07 cattles may die in future.

Fenarbak Union

Due to thander storm in Fenarbak union of Jamalganj Upazila 3 peoples and 15 cattles may die in future.

Jamalganj sadar Union

Due to thander storm in Jamalganj sadar union of Jamalganj Upazila 1 peoples and 07 cattles may die in future.

Sachna Bazar Union

Due to thander storm in Sachna Bazar union of Jamalganj Upazila 2 peoples and 08 cattles may die in future.

Seasonal flood: Seasonal flood is a very common and familiar phenomenon of Jamalganj upazila under Sunamganj district. Heavy rainfall in rainy season occurs seasonal flood by the flashing from the Meghalaya. Seasonal flood continue here from the month of Ashar to Ashwin. It occurs widespread damage in the sector of agriculture, fishery, livestock, infrastructure, homes, 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, peoples die by boat drowning as well. Mentionable, in 1998 peoples died-15, in 2010 peoples died - 10 and in 2012 peoples died -07 due seasonal floods.

If water level rises 3-4 yard than the normal situation in the area, it will affect homestead, roads, educational and religious institutes. 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 2002, 2008 and 2012 were more devastating. The quantity of union wise damages by the seasonal flood occurred in 2002 is as follows:

Beheli Union

In Beheli union of Jamalganj upazila, amon crops of 33.5 hectares land, 17 homes, 4 km road (partial), 12 trees, 1 educational institutions, 90 tube well, 438 latrine and 6 religious institutions are affected by seasonal flood occurred in 2002. As a result, 1426 farmers family are affected directly and indirectly.

Bhimkhali Union

In Bhimkhali union of Jamalganj upazila, amon crops of 30 hectares land, 11 homes, 27 trees, 3 educational institutions, 73 tube well, 406 latrine and 4 religious institutions are affected by seasonal flood occurred in 2002. As a result, 2473 farmers family are affected directly and indirectly.

Fenarbak Union

In Fenarbak union of Jamalganj upazila, amon crops of 35 hectares land, 18 homes, 6 km road (partial), 14 trees, 4 educational institutions, 100 tube well, 908 latrine and 7 religious institutions are affected by seasonal flood occurred in 2002. As a result, 3036 farmers family are affected directly and indirectly.

Jamalganj Union

In Jamalganj union of Jamalganj upazila, amon crops of 45 hectares land, 21 homes, 9 km road (partial), 7 trees, 03 educational institutions, 102 tube well, 586 latrine and 7 religious institutions are affected by seasonal flood occurred in 2002. As a result, 3253 farmers family are affected directly and indirectly.

Sachna Bazar Union

In Sachna Bazar union of Jamalganj upazila, among crops of 31.5 hectares land, 13 homes, 20 trees, 2 educational institutions, 82 tube well, 585 latrine and 2 religious institutions are affected by seasonal flood occurred in 2002. As a result, 1775 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 Among 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 Jamalganj upazila is as follows:

Beheli Union

If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in Beheli union, among crops of 45 hectares land, 35 homes, 9 km road (partial), 25 km. embankments, 132 trees, 6 educational institutions, 128 tube well, 605 latrine and 15 religious institutions may be affected by seasonal flood. As a result, 3565 family may be affected directly and indirectly.

Bhimkhali Union

If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in Bhimkhali union, among crops of 48 hectares land, 32 homes, 1.5 km road (partial), 22 km. embankments, 201 trees, 6 educational institutions, 102 tube well, 688 latrine and 17 religious institutions may be affected by seasonal flood. As a result, 5890 family may be affected directly and indirectly

Fenarbak Union

If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in Fenarbak union, among crops of 52 hectares land, 45 homes, 9 km road (partial), 40 km. embankments, 351 trees, 10 educational institutions, 112 tube well, 1209 latrine and 22 religious institutions may be affected by seasonal flood. As a result, 6748 family may be affected directly and indirectly

Jamalganj Union

If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in Jamalganj union, among crops of 58 hectares land, 48 homes, 13 km road (partial), 35 km. embankments, 120 trees, 5 educational institutions, 182 tube well, 993 latrine and 10 religious institutions may be affected by seasonal flood. As a result, 9295 family may be affected directly and indirectly

Sachna Bazar Union

If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in Sachna Bazar union, among crops of 44 hectares land, 43 homes, 1 km road (partial), 20

km. embankments, 168 trees, 5 educational institutions, 75 tube well, 813 latrine and 12 religious institutions may be affected by seasonal flood. As a result, 4437 family may be affected directly and indirectly

River erosion: River erosion in Jamalganj Upazila is high. It is continued in every year. River erosion occurs here generally from the month Katrik to Chaitra. As a result houses, roads, seedbed, agriculture land, education institute, trees & plants etc damage. So food production was hampered. Peoples become shelter less, environment affected. Upstream flashing and black mud quarry (to use as fire wood) from the bank of the surma river create river erosion in both bank of the rivers in Jamalganj sadar union and Schna Bazar union. Due to continuous river erosion many people lost their home & homestead, someone lost their crop field and living in a measurable condition. Illustratable that due to river erosion in 2013, 40 house, 1 km roads, and 23 hectors crop lands sunk in the river. There is no initiative taken by the government or non-government organization to protect them from river erosion for long time.

At **Jamalganj sadar** union in Jamalganj upazila Upstream flashing and black mud quarry (to use as fire wood) from the bank of the Surma river create river erosion in both banks of the river in Jamalganj sadar union. As a result agriculture crops, home & homestead, roads, trees & plants sunk. So, food production hampered, peoples become shelter less and environment become polluted. At this in Jamalganj union 15 houses and 9 hector aman crop, 0.3 KM road (partial) damaged partially and 5 Tub-well, 15 slab latrine and 33 trees & plants were badly affected. That is why 53 families directly or indirectly exaggerated.

At **Sachnabazar union** in Jamalganj upazila Upstream flashing and black mud quarry (to use as fire wood) from the bank of the Surma river create river erosion in both banks of the river in Sachnabazar union. As a result agriculture crops, home & homestead, roads, trees & plants sunk. So, food production hampered, peoples become shelter less and environment become polluted. At this in Sachnabazar union 25 houses and 14 hector aman crop, 0.7 KM road (partial) damaged partially and 3 Tub-well, 22 slab latrine and 39 trees & plants were badly affected. That is why 77 families directly or indirectly exaggerated.

At **Jamalganj sadar union** in Jamalganj upazila Upstream flashing and black mud quarry (to use as fire wood) from the bank of the Surma river and climate change may create in future river erosion in both banks of the river in Jamalganj sadar union. At this in Jamalganj union 32 houses and 14 hector aman crop, 01 KM road (partial) damaged partially and 12 Tub-well, 107 slab latrine and 157 trees & plants may be affected. That is why 125 families directly or indirectly may be exaggerated. On the other hand, at this in **Sachnabazar union** 58 houses and 25 hector aman crop, 1.5 KM road (partial) damaged partially and 15 Tub-well, 95 slab latrine and 149 trees & plants may be affected. That is why 215 families directly or indirectly may be exaggerated.

Kalboishakhi Jhar (storm hit): In Sunamganj district the vulnerability of Kalboishakhi Jhar is very high. Due to climate change and seasonal strong wind in Jamalganj Upazila generally at the end of the month Chaitra to Jhoista 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. In each year kalboishakhi jhar occurs but the year of 2006, 2008,2012 and 2013 the Kalboishakhi Jhar was very strong and severe. Illustratable that in the Kalboishakhi Jhar of 2006 boro crops 11 hector, 70 home & home stead, 470 trees & plants, and 487 latine damaged and 18 cattle died. That is why 442 families directly or indirectly exaggerated. In 2006 Union wise damages of Kalboishakhi in Jamalganj Upazila are as follows:

Beheli Union :

Kalboishakhi Jhar in 2006 in Beheli union of Jamalganj Upazila affected 2 hector boro crops, 18 home & homestead (partial), 85 trees & plants and 50 latrines and 5 domestic animals died. As a result 125 families were fall in loss directly or indirectly.

Bhimkhali Union :

Kalboishakhi Jhar in 2006 in Bhimkhali union of Jamalganj Upazila affected 1 hector boro crops, 8 home & homestead (partial), 75 trees & plants and 44 latrines and 2 domestic animals died. As a result 92 families were fall in loss directly or indirectly.

Fenarbak Union :

Kalboishakhi Jhar in 2006 in Fenarbak union of Jamalganj Upazila affected 3 hector boro crops, 17 home & homestead (partial), 112 trees, 144 latrines and 3 domestic animals died. As a result 240 families were fall in loss directly or indirectly.

Jamalganj Union :

Kalboishakhi Jhar in 2006 in Jamalganj union of Jamalganj Upazila affected 4 hector boro crops, 20 home & homestead (partial), 108 trees & plants, 117 latrines and 4 domestic animals died. As a result 210 families were fall in loss directly or indirectly.

Sachna Bazar Union :

Kalboishakhi Jhar in 2006 in Sachna Bazar union of Jamalganj Upazila affected 1 hector boro crops, 04 home & homestead (partial), 90 trees & plants, 72 latrines and 04 domestic animals died. As a result 175 families were fall in loss directly or indirectly.

Due to climate change and seasonal strong wind in future Kalboishakhi Jhar may occurs frequently. Ant its dimension may be increased. In Kalboishakhai Jhar generally Boro crop, home & homestead, cattle, birds, trees & plants and forest , electric cable & filler and educational & religious institutes may affected even death case may happen and scarcity of food may be arise. 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 Kalboishaki jhar in Jamalganj Upazila are as follows;

Beheli Union :

Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hit like in 2006 in Beheli union of Jamalganj Upazila then 05 hector boro crop, 45 home & homestead (partial), 150 trees & plants, 3 educational institutes and 5 religious institutes and 02 electric filler and 102 latrines may affected and 18 domistic animals may be died. As a result 2844 families may fall in loss directly or indirectly.

Bhimkhali Union :

Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hit like in 2006 in Bhimkhali union of Jamalganj Upazila then 02 hector boro crop, 21 home & homestead (partial), 102 trees & plants, 5 educational institutes and 4 religious institutes and 01 electric filler and 109 latrines may affected and 10 domistic animals may be died. As a result 2020 families may fall in loss directly or indirectly.

Fenarbak Union :

Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hit like in 2006 in Fenarbak union of Jamalganj Upazila then 06 hector boro crop, 28 home & homestead (partial), 113 trees & plants, 7 educational institutes and 12 religious institutes and 02 electric filler and 250 latrines may affected and 11 domistic animals may be died. As a result 3375 families may fall in loss directly or indirectly.

Jamalganj Union :

Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hit like in 2006 in Jamalganj sadar union of Jamalganj Upazila then 07 hector boro crop, 52 home & homestead (partial), 200 trees & plants, 7 educational institutes and 5 religious institutes and 06 electric filler and 150 latrines may affected and 13 domistic animals may be died. As a result 2505 families may fall in loss directly or indirectly.

Sachna Bazar Union :

Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hit like in 2006 in Sachna Bazar union of Jamalganj

Upazila then 03 hector boro crop, 18 home & homestead (partial), 185 trees & plants, 4 educational institutes and 6 religious institutes and 03 electric filler and 133 latrines may affected and 15 domestic animals may be died. As a result 2388 families may fall in loss directly or indirectly.

Draught : In this upazila gnrerally the month of Falgun to Boishak is draught period. Due to draughts boro crops, cattles & poultry birds, trees, plants and forest damages. At this time food scarcity and scarcity of cattle food getaway. Draughts occurred in 2008 and 2012 in Jamalgonj Upazila. It may be mention here that draughts in 2012 affected 14020 hector boro crops and cattle was also affected. Scarcity of cattle food arises and different types of diseases breakout. As a result employment opportunity of day labor and business opportunity become lower. In 2012 Union wise damages of draughts in Jamalganj Upazila are as follows:

Beheli Union :

Due to Draughts in 2012 in Beheli union of Jamalganj Upazila affected 128 hector boro crops. As a result 235 families were fall in loss directly or indirectly.

Bhimkhali Union :

Due to Draughts in 2012 in Bhimkhali union of Jamalganj Upazila affected 58 hector boro crops. As a result 144 families were fall in loss directly or indirectly.

Fenarbak Union :

Due to Draughts in 2012 in Fenarbak union of Jamalganj Upazila affected 290 hector boro crops. As a result 310 families were fall in loss directly or indirectly.

Jamalganj Union :

Due to Draughts in 2012 in Jamalganj union of Jamalganj Upazila affected 270 hector boro crops. As a result 137 families were fall in loss directly or indirectly.

Sachna Bazar Union :

Due to Draughts in 2012 in Sachna Bazar union of Jamalganj Upazila affected 360 hector boro crops. As a result 168 families were fall in loss directly or indirectly.

Due to climate change in future draughts may be happen frequently and its width my be increased. As a result of draughts boro crops, cattles & poultry birds and fisharies may be damages. At this scarcity of cattle food and different types of diseases may getaway. As a result employment opportunity

of day labor and business opportunity become lower. Union wise damages of draughts in Jamalganj Upazila are as follows:

Beheli Union :

Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in Beheli Union of Jamalganj Upazila then 235 hector boro crop may affected . As a result 2844 families may fall in loss directly or indirectly.

Bhimkhali Union :

Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in Bhimkhali Union of Jamalganj Upazila then 293 hector boro crop may affected . As a result 2020 families may fall in loss directly or indirectly.

Fenarbak Union :

Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in Fenarbak Union of Jamalganj Upazila then 301 hector boro crop may affected . As a result 3375 families may fall in loss directly or indirectly.

Jamalganj Union :

Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in Jamalganj Union of Jamalganj Upazila then 342 hector boro crop may affected . As a result 2505 families may fall in loss directly or indirectly.

Sachna Bazar Union :

Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in Sachna Bazar Union of Jamalganj Upazila then 417 hector boro crop may affected. As a result 2388 families may fall in loss directly or 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"> • 142.5 KM embankment subsists. • 97 KM high road subsists. • 47 school cum shelter. • 5 raised playing field • 30 raised graveyard • 01 earth castle (matir killah) • 2 engine boats

Hazard	Vulnerability	Capacity
		<ul style="list-style-type: none"> • 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.
Thunder storm	<ul style="list-style-type: none"> • Peoples died • Domestic animals died • Trees and plants damaged 	<ul style="list-style-type: none"> • 47 school cum shelter.
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 • Maximum graveyard goes under water and putting in the grave becomes tuff. • Cattle and poultry birds fall in to huge distress. 	<ul style="list-style-type: none"> • 47 school cum shelter. • 97 KM high road subsists. • 5 raised playing fields. • 30 raised graveyards • 01 earth triangular (matir killah) • 02 engine boats. • 01 food godowan • Upazila Disaster Management Committee takes initiatives for relief and rehabilitation supports. • Trained volunteer groups are active at union level. • Early paddy variety seed 28 and 45 are available.
River erosion	<ul style="list-style-type: none"> • Affect crops • Home & homesteads and trees & plants damage • Roads, bridges and culvert damage. • Furniture & fixtures damage • Educational and religious institutes damaged • Hampers employment opportunity. 	<ul style="list-style-type: none"> • No capacity
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 	<ul style="list-style-type: none"> • 47 school cum shelter. • 02 engine boats. • 01 food godowan • Monthly meeting of Upazila Disaster Management Committee and Union Disaster Management held

Hazard	Vulnerability	Capacity
	<ul style="list-style-type: none"> 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"> regularly. Trained volunteer groups are active at union level. Early paddy variety seed BR 28 and BR 45 are available. 30 KM Stripe gardens in government roads 47 school cum shelter. 97 KM high road subsists. 5 raised playing fields. 30 raised graveyards 01 earth triangular (matir killah) 02 engine boats. 01 food godowan 8 hisal and korose forest totaling 7.75 acres.
Draughts	<ul style="list-style-type: none"> Affect boro crops Cattles affects Trees and forests affects Food crisis occurs. Scarcity of cattle food arises. 	<ul style="list-style-type: none"> 16 shallow tub-wells. 2476 LLPs 2250 Don and sewoti 30 KM Stripe gardens in government roads 8 hisal and korose forests totaling 7.75 acres.

2.5 Most Vulnerable Area

Hazard	Most Vulnerable Area	Reason of Vulnerability	Vulnerable Population
Flashflood	<p>Ahasanpur, Haripur, Mahmoodpur, Badarpur, Howria alipur, Gopalpur, Netaipur, Ummedpur, Durgapur, Hista, harinakandi, Madnakandi and Noyapara villages of Beheli union.</p> <p>Kashipur, Sangbadpur, Kalagazi, bhatilalpur, Uzanlalapur, Alipur and Sharifpur</p>	Upstream hilly overflow, Heavy rainfall	7600 person

	<p>villages of Jamalganj Sadar union.</p> <p>Bisnapur, Nidhipur, Amannipur, Alipur, Sharifpur, Rajendrapur, Gazaria, Innatnagar, Rasulpur, Uzanpur and Bhati daulatpur villages of Ferarbak union.</p> <p>Radhanagar, Brahmngaon, Fazilpur, Polokpur and Kandha Hati village of Sachna Bazar union. Bhandamakorkhola, Mollikpur and its surrounding villages of Bhimkhali union.</p>		
Thunder storm	Jamalganj Upazila	Close to Meghaloy hills	-
Seasonal flood	Jamalganj Upazila	Flash flood, Upstream hilly overflow, heavy rainfall	167260 person
River erosion	<p>Uttarkamlabazar , Lambabak, Kalipur, Sadarkandi, Kaminipur, Nayahalot, Dakshin Kamlabaz, Gazariahati, Chandpur, Sonapur and salimganj villages of Jamalganj sadar union.</p> <p>Noyagaon, Ramnagar, Haripur, Bahadurpur, Uzzalpur and Telia villages of Sachna Bazar union,</p>	Upstream flashing, excess black earth quarry (to use as fire wood) from the banks of the Surma river.	27106 person
Kalboishakhi	Whole Jamalganj	Climate change	167260 person

Jhar (Norwest hit)	Upazila	and seasonal flow affect.	
Droughts	Jamalganj Upazila	Climate change and seasonal flow affect.	167260 person

2.6 Main Sectors of Development Plan

Main Sectors	Detail Description	Coordination with DRR
Agriculture	There are 29231 hector lands in Jamalganj upazila. Among these cultivatable land is 27050 hectors and uncultivated land is 2181 hectors. Among cultivatable lands mono crops land 22950 hectors, two crops 4100 and no tri crops land hectors. There are 16456 persons lives on agriculture. Besides, homesteads lands are in total 3000 hectors. Main crops of this Upazila are paddy-boro, aus and amon, potato, wheat, chili, mustered, nuts, vegetables etc.	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 , LL installation sand and black earth, excavation of cannels, quarry control, deep tub-well sinking and earth place establishment is important. Farmers training, rice yard making , gopat making is important.
Fisheries	There are 10 rivers, 49 channels, 95 beels, 265 ponds, and 93 water bodies in Jamalganj Upazila. There are 8754 fishermen here. In this Upazila fish production hampered severely due to fishing in winter by drying up cannels & 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 excavation of cannels and fingerlings protection is important.
Livestock	The main livestock in Jamalganj Upazila cow, goat, sheep, duck, hen, birds, buffalo etc. There are 47885 cows, goat-3578, sheep-7699, poultry birds-412938 and buffalo-175 in this upazila. Due to flash flood cattle	To protect livestock it is important to supply cattle foods, high earth place establish and in case of diseases it is important to ensure emergency medicine. To prevent cow

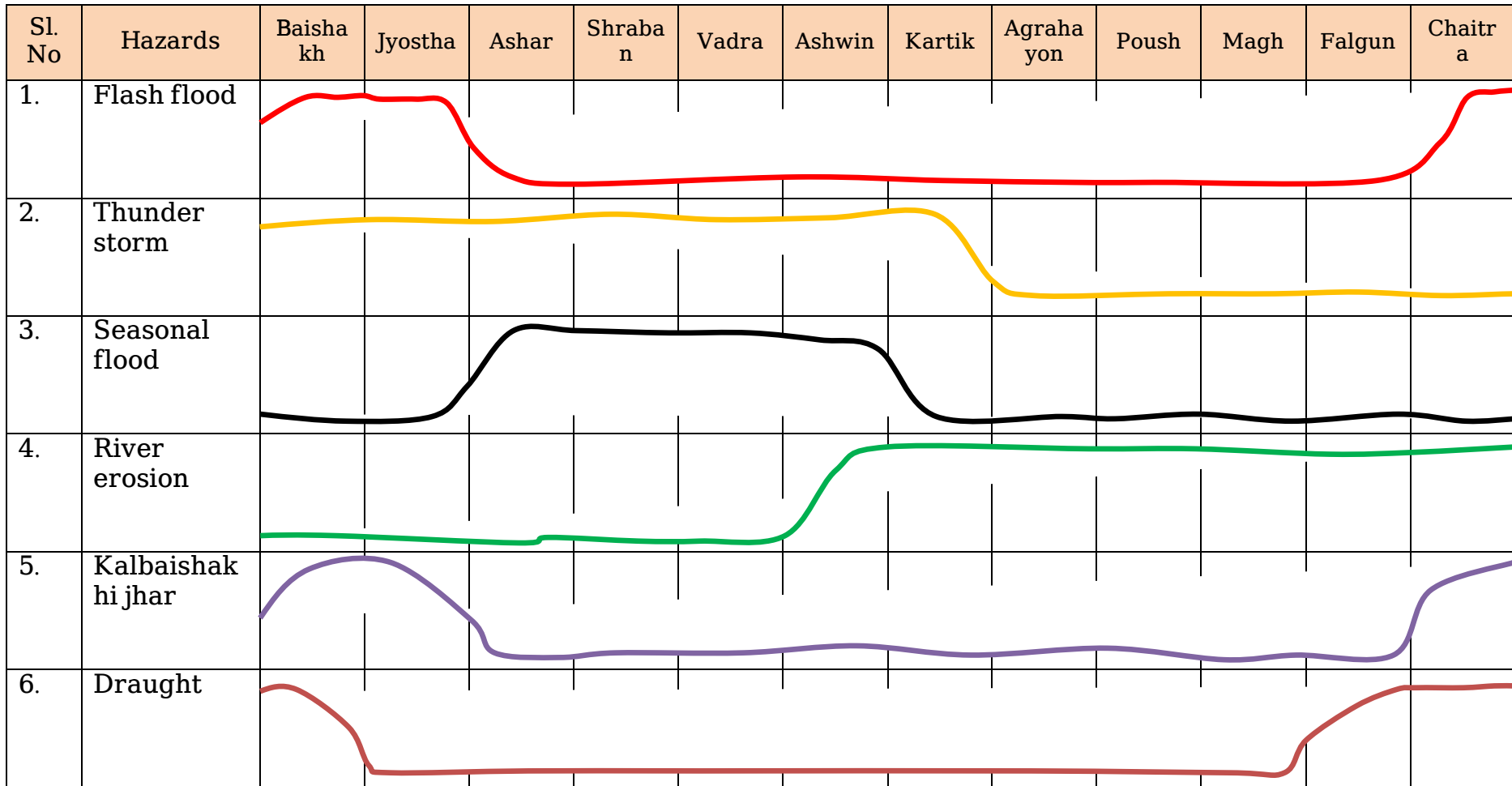
Main Sectors	Detail Description	Coordination with DRR
	<p>food crisis begin. Seasonal floods also cause of scarcity of cattle foods. Different diseases and cattle shed problems occurs in these disasters. It also caused the death of poultry birds and livestock. Besides, Norwest hit and thunderstorm cased death of cattle and birds. Again due to water logging cattle food crisis begin and different types of cattle diseases breakout.</p>	<p>and goats it is essential to arrange vaccine and organize vaccination programs. So, it is very important to aware community on this issue.</p>
Health sector	<p>There are Upazila health & family welfare center-1, community clinics-16 and union sub-center -01 in ther Upazila. There is no private health center. Upazila health & family welfare center is in Jamalganj sadar union. There are 5 doctors and 5 nurses in this upazila health & family welfare center. Health sector hampered in Jamalganj Upazila due to flash flood, seasonal flood, Norwest hit, river erosion, water logging etc.</p>	<p>So , to reduce risks in health sector it is impotent ensure supply of sufficient medicine, safe water supply, water purification tablets to increase staffs in health sectors for emergency treatment . Above water level Tub well and latrine installation is also important.</p>
Livelihoods	<p>Main livelihood options in Jamalganj Upazila are agriculture, fisheries, day labor, business, etc. There are total 16456 farmers, 8754 fishermen, 19844 day-labor and 5685 businessmen. Flash flood, seasonal flood, Norwest hit, river erosion, water logging etc. disaster in this Upazila occurs frequently and as a result peoples livelihoods hampered due to the increased dimension of disasters. That is why scope of employment decrease and agriculture production hampered which influence people's livelihood negatively.</p>	<p>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.</p>
Trees and plants	<p>There are 30 KM stripe garden i.e. social forest in Jamalganj Upazila. In this forest there are ,</p>	<p>To reduce disaster damage of trees & plants i.e. to protect homestead, roads,</p>

Main Sectors	Detail Description	Coordination with DRR
	<p>tick, kadam, akashmony, raintree, chakarashi, etc trees. There are 8 hisal 7 korose forest totaling 7.75 acres land by the non government organization- CNRS. Besides, community peoples initiate forests around their homes and in the homesteads. Diffewrent disaster like seasonal floods, river erosion, thunderstorm, Kalboishakhi Jhor etc damage trees and plants. Besides, open trees destroy is the main cause of imbalance of the environment.</p>	<p>natural resources it is important to initiate social afforestation.</p>
<p>Infrastructures</p>	<p>There are 142.5 KM embankment, 275.8 MK roads, 5 bridge, 169 culverts, 22578 houses, 179 schools and 202 religious institutes in Jamalganj Upazila. Different disasters like flash flood, seasonal flood, thunderstorm, river erosion, Kalboishakhai jhor, draughts etc. caused damage in different types of infrastructures like embankment, roads, bridges, culvert, education and religious institutes, houses etc.</p>	<p>To protect infrastructures i.e. roads, bridges, culvert, education and religious institutes, houses etc., it is important to construct school cum shelter, road repair and maintenance, culvert repair, village protection wall construction.</p>

2.7 Social Map: Attached on Annexure 7.

2.8 Hazard and Risk Map: Attached on Annexure 8.

2.9 Seasonal Calendar of Hazard



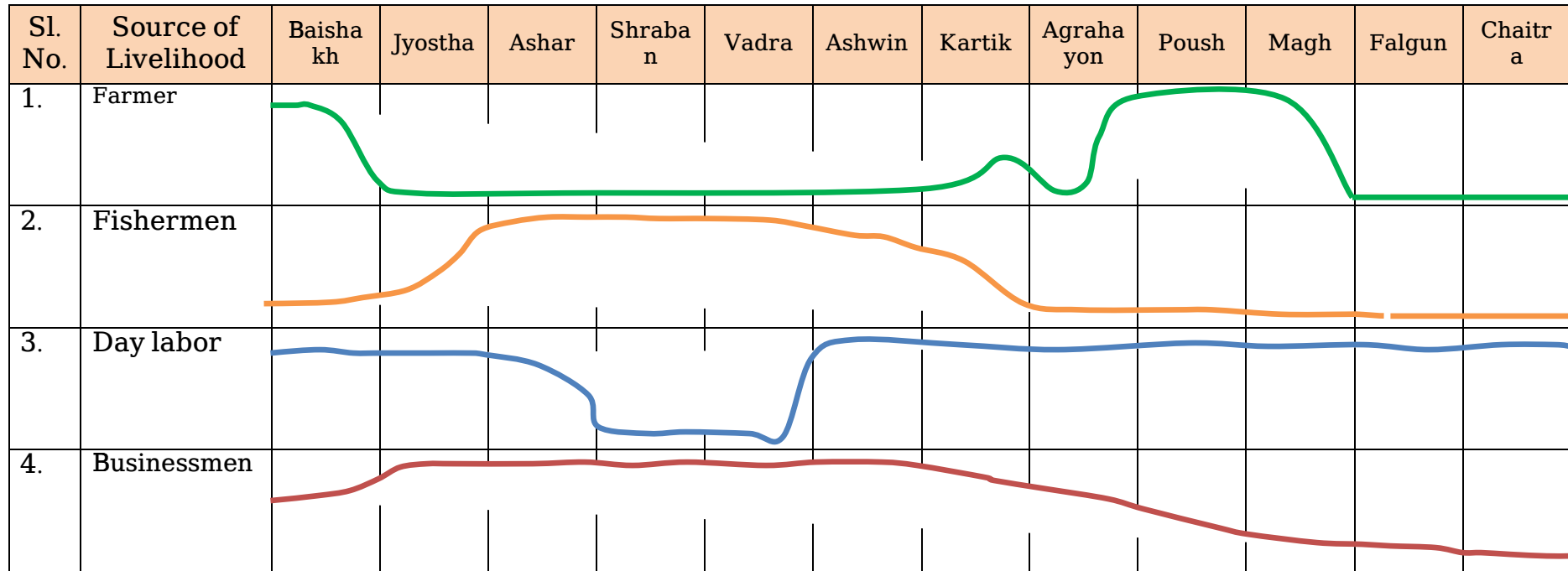
Analysis of seasonal calendar of hazard shows, hazards happens in which months of the year and in which months of the years its affects is more or less by the line diagram. As part of Disaster Management Plan preparation, following are known by the discussion with the participants;

- Flash flood is the main hazard of this upazila which occurs at the end of the month Chaitra or at the beginning of the month Boishakh. Basically, heavy rainfall and upstream water enter through the surma river in Beheli union which cause flash floods. At this the boro crops in Halir haor, Pakner haor, Roar haor, chnner haor and Dakuar haor are damaged. 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. It also caused in the embankment of this areas. At this time scarcity of cattle food seriously take place. Affect of flash flood spread in all levels of the community, specially job opportunity of low income group become narrow and businessmen's business diminish.
- In Sunamganj district frequency of thunderstorm is widely spread. Jamalganj Upazila is near the Meghalaya hill and full of haors, son many peoples in Jamalganj died due to the thunderstorms in each year. Generally thunder storm occurs here from the month of Boishakh to Kartik month. It caused the death of the peoples and livestock and trees & plants affected. In each year there is death case in this Upazila.
- Jamalganj upazila is one of the brutally flood affected areas. In rainy season, basically seasonal floods occur due to the upstream heavy rainfall in Meghaloya. Generally from the month of Ashar to Aswin flood continue here which harshly concern the agriculture, fisheries, infrastructure, establishment, education and communication sectors. Among these flash flood in 2002, 82 houses, 19 KM roads (partial), 175 hector Amon crops were damaged. In rainy season entire areas of Jamalganj upazila deluge in water. Then, 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 in 1998 peoples died-15, in 2010 peoples died-03 and in 2012 peoples died-07. During the floods peoples suffers from different types of water borne diseases due to lack of pure drinking water. Specially in this time pregnant mother, children, elderly and disable's life become most awful.
- In Jamalganj upazila river erosion is most. In each and every years river erosion continued. River erosion occurs here generally from the month Kartik to Chaitra. As a result, houses, roads, seedbed, agriculture crops, educational institutes, tree etc. in this area sunk in river and damaged. It hampers food production and peoples become homeless and it affects the

environment. Due to upstream flashings and unauthorized black earth quarry in the bank of the Surma river cause river erosion Jamalganj and Sachna Bazar union of Jamalganj Upazila. Noyagaon, Ramnagar, Horipur, Bahadurpur, Uzzalpur, Telia along with many other villages many of the peoples lost home and homesteads and many have lost agriculture lands in continued river erosion and living in a vulnerable life like Gipsy. In fact they living in a helpless life. Mentionable that continued river erosion in 2013, 40 home, 1 km roads, and 23 hectors crops field sunk in the river.

- In Sunamganj district the vulnerability of Kalboishakhai Jhar is huge. Generally in Jamalganj Upazila Kalboishakhai Jhar occurs during the end of the month Chaitra to Jhusta. Due to Kalboishakhai Jhar Boro crop, home & homestead, cattle, birds, trees & plants and forest, electric cable & filler and educational & religious institutes are affected. In this death case occurs, food crisis happens, boat and lunch drawn occurs and lives and assets damaged. In each year kalboishakhi jhar occurs but the year of 2006, 2008 2012 and 2013 the Kalboishakhi Jhar was very strong and severe. Illustratable that in the Kalboishakhi Jhar of 2006, 70 home & home stead damaged partially and 18 domestic animals died.
- Generally in this Upazila draughts occurs during the begining of the month Falgun to Boishakh. Due to draughts crop fields, fields & roads, cannels & beels etc dried up and broken into pices. At this due to high tempeture peoples become irritated and suffers from different types of diseases. Boro crops, cattles, 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 differen types of deases breakout. In this upazila there was draughts in 2008 and 2012. Illustrateable that in the droughts of 2012, 14020 crops in hector land damaged. As a result employment opportunity of the day labor and business opportunioty diminished.

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 16456 farmers in Jamalganj 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 90% agriculture of this upazila. As a result farmers in this Upazila become most susceptible 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 Chaatak Upazila for the sake of their livelihoods. Besides, they work as construction labor in different town.
- There are 8754 fishermen in Jamalganj Upazila. There is a proverb, “ the owner of the net is the owner of the water body’. But in fact there is no reality here. So, fishermen have to fight hard to earn livelihoods from the month of jhosta to Kartik. At this time they can not catch fish in the open waterbody for the influential persons. They have to lead a very meagerable life as they could not catch fish in the season of fishes. At this time they have to think about the alternative livelihood.
- The few peoples are involved in the business in compare with the total population of the Upazila. However, the season of the business for the businessmen is the month of Boishakh to Agrahayon. Other months are dull-season for business but not bad at all.
- 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 Joistha 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.

2.11 Life and Livelihood Related Vulnerability

Sl. No.	Livelihood	Hazards					
		Flash flood	Thunder storm	Seasonal flood	River erosion	Kalboisha khi Jhor	Draught
1.	Agriculture	✓		✓	✓	✓	✓
2.	Fishery			✓		✓	
3.	Day labor	✓	✓	✓	✓	✓	✓
4.	Businessmen			✓	✓	✓	

2.12 Sector wise Hazard and Risk

Jamalganj is a very disaster prone high risk Upazila in Sunamganj where main livelihood is agriculture. Different types of disasters are the main constrains on the way to development of this Upazila. The main disaster of this Upazila are ; flash flood, thunderstorm, seasonal flood, river erosion, kalboishakhai Jhar(storm), draughts etc. Basically, flash flood in Jamalganj occurs due to the flow of upstream Meghaloy water through the Surma river of Beheli union. It damage boro crops of Jamalganj Upazila. Generally crops in Halir haor, Pakner haor, Roar hor, Channer haor and Dakuar Haor are damaged. As Jamalganj upazila is beneath the Meghaloya and being in flood prone areas, thunderstorm caused death of the peoples. Jamalganj is widely spread flood prone area. Due to upstream water and heavy railfall creates here seasonal floods. Besides, upstream water flow, and heavy rainfall in the month of Ashar to Bhadra generate seasonal floods in this upazila. At these homes, roads, bridge, culvert, cattles, educational institutes, religious institutes, trees and embankment are affected. Besides , death case occurs due to the sunk of the boats. Due to upstream flashings and unauthorized black earth quarry in the bank of the Surma river cause river erosion in Jamalganj. In this upazila usually Kalboishakai jhor comes here at the end of the month of Chaitra to Boishakh. As a result boro crops , homes, cattles, birds, trees and forest , electric cable, pole , educational institutes, and religious institutes damaged. Food scarcity arise, baot and lounch sunk create death case and scarcity of cattle food arise. Generally at the beginning of the fulgun to boishakh draughts occurs. At this, boro crops, cattles, birds, trees and forest damage. Food scarcity arises, and scarcity of cattle food arises.

Hazards	Vulnerable Social Elements										
	Paddy	Tree & Plants	Livestock	Fishery	Roads	Bridge Culvert	Educatio n Inst.	Health	Shelters	Seedbed	Human life
Flash flood	■	■	■	■	■			■		■	
Thunderstorm		■	■								■
Seasonal flood		■	■	■	■	■	■	■	■	■	
River erosion	■	■	■	■	■	■	■	■	■	■	
Kalboishaki jhar	■	■	■				■	■	■	■	■
Draughts	■	■	■					■		■	

Main disaster of this upazila are flash flood, thunderstorm, seasonal flood, river erosion, Norwest hit, thunder storm, draughts etc. These disaster 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;

- Due to heavy rainfall and upstream water from Meghaloy if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in **Beheli union**

of Jamalganj Upazila then 5128 hector boro crop, 1352 home & homestead (partial), 19 KM roads (partial), 170 trees & plants, 13 educational institutes, 04 religious institutes, 4fish firm may be affected and 40 cattle may be died . As a result 3535 farmer families may fall in loss directly or indirectly.

- Due to heavy rainfall and upstream water from Meghaloy if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in **Bhimkhali union** of Jamalganj Upazila then 4150 hector boro crop, 1082 home & homestead (partial), 13 KM roads (partial), 110 trees & plants, 11 educational institutes, 17 religious institutes, 9fish firm may be affected and 32 cattle may be died . As a result 2525 farmer families may fall in loss directly or indirectly.
- Due to heavy rainfall and upstream water from Meghaloy if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in **Fenarbak Union** of Jamalganj Upazila then 9116 hector boro crop, 1973 home & homestead (partial), 23 KM roads (partial), 220 trees & plants, 17 educational institutes, 35 religious institutes, 6 fish firm may be affected and 58 cattle may be died . As a result 4219 farmer families may fall in loss directly or indirectly.
- Due to heavy rainfall and upstream water from Meghaloy if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in **Jamalganj sadar Union** of Jamalganj Upazila then 8758 hector boro crop, 1895 home & homestead (partial), 25 KM roads (partial), 120 trees & plants, 20 educational institutes, 32 religious institutes, 7 fish firm may be affected and 52 cattle may be died . As a result 3132 farmer families may fall in loss directly or indirectly.
- Due to heavy rainfall and upstream water from Meghaloy if there is flash flood in Jamalganj Upazila or if flashflood occurs like in 2004 in **Sachna Bazar Union** of Jamalganj Upazila then 5585 hector boro crop, 1095 home & homestead (partial), 14 KM roads (partial), 95 trees & plants, 10 educational institutes, 15 religious institutes, 7 fish firm may be affected and 38 cattle may be died . As a result 2985 farmer families may fall in loss directly or indirectly.
- Due to thander storm in **Beheli union** of Jamalganj Upazila 2 peoples and 11 cattles may die in future.
- Due to thander storm in **Bhimkhali union** of Jamalganj Upazila 1 peoples and 07 cattles may die in future.
- Due to thander storm in **Fenarbak union** of Jamalganj Upazila 3 peoples and 15 cattles may die in future.
- Due to thander storm in **Jamalganj sadar union** of Jamalganj Upazila 1 peoples and 07 cattles may die in future.

- Due to thander storm in **Sachna Bazar union** of Jamalganj Upazila 2 peoples and 08 cattles may die in future.
- If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in **Beheli union**, amon crops of 45 hectares land, 35 homes, 9 km road (partial), 25 km. embankments,132 trees, 6 educational institutions, 128 tube well, 605 latrine and 15 religious institutions may be affected by seasonal flood. As a result, 3565 family may be affected directly and indirectly.
- If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in **Bhimkhali union**, amon crops of 48 hectares land, 32 homes, 1.5 km road (partial), 22 km. embankments, 201 trees, 6 educational institutions, 102 tube well, 688 latrine and 17 religious institutions may be affected by seasonal flood. As a result, 5890 family may be affected directly and indirectly.
- If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in **Fenarbak union**, amon crops of 52 hectares land, 45 homes, 9 km road (partial), 40 km. embankments,351 trees, 10 educational institutions, 112 tube well, 1209 latrine and 22 religious institutions may be affected by seasonal flood. As a result, 6748 family may be affected directly and indirectly.
- If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in **Jamalganj union**, amon crops of 58 hectares land, 48 homes, 13 km road (partial), 35 km. embankments,120 trees, 5 educational institutions, 182 tube well, 993 latrine and 10 religious institutions may be affected by seasonal flood. As a result, 9295 family may be affected directly and indirectly.
- If seasonal flood occurs in Jamalganj upazila due to heavy rainfall and the flashing water from Meghalayan hills or seasonal flood like 2002 hits in **Sachna Bazar union**, amon crops of 44 hectares land, 43 homes, 1 km road (partial), 20 km. embankments,168 trees, 5 educational institutions, 75 tube well, 813 latrine and 12 religious institutions may be affected by seasonal flood. As a result, 4437 family may be affected directly and indirectly.
- At **Jamalganj sadar union** in Jamalganj upazila Upstream flashing and black mud quarry (to use as fire wood) from the bakn of the Surma river and climate change may create infuture river erosion in both banks of the river in Jamalganj sadar union. At this in Jamalganj union 32 houses and 14 hector aman crop, 01 KM road (partial) damaged partially and 12 Tub-well, 107 slab latrine and 157 trees & plants may be affected. That is why 125 families directly or indirectly may be exaggerated.
- On the other hand, at this in **Sachnabazar union** 58 houses and 25 hector aman crop, 1.5 KM road (partial) damaged partially and 15 Tub-well, 95 slab latrine and 149 trees & plants may be affected. That is why 215 families directly or indirectly may be exaggerated.

- Due to climate change and affect of seasonal wind if there is Kalboishakhi Jhar or if Kalboashaki Jhar hit like in 2006 in **Beheli union** of Jamalganj Upazila then 05 hector boro crop, 45 home & homestead (partial), 150 trees & plants, 3 educational institutes and 5 religious institutes and 02 electric filler and 102 latrines may affected and 18 domestic animals may be died. As a result 2844 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 hit like in 2006 in **Bhimkhali union** of Jamalganj Upazila then 02 hector boro crop, 21 home & homestead (partial), 102 trees & plants, 5 educational institutes and 4 religious institutes and 01 electric filler and 109 latrines may affected and 10 domestic animals may be died. As a result 2020 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 hit like in 2006 in **Fenarbak union** of Jamalganj Upazila then 06 hector boro crop, 28 home & homestead (partial), 113 trees & plants, 7 educational institutes and 12 religious institutes and 02 electric filler and 250 latrines may affected and 11 domestic animals may be died. As a result 3375 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 hit like in 2006 in **Jamalganj sadar union** of Jamalganj Upazila then 07 hector boro crop, 52 home & homestead (partial), 200 trees & plants, 7 educational institutes and 5 religious institutes and 06 electric filler and 150 latrines may affected and 13 domestic animals may be died. As a result 2505 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 hit like in 2006 in **Sachna Bazar union** of Jamalganj Upazila then 03 hector boro crop, 18 home & homestead (partial), 185 trees & plants, 4 educational institutes and 6 religious institutes and 03 electric filler and 133 latrines may affected and 15 domestic animals may be died. As a result 2388 families may fall in loss directly or indirectly.
- Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in **Beheli Union** of Jamalganj Upazila then 235 hector boro crop may affected . As a result 2844 families may fall in loss directly or indirectly.
- Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in **Bhimkhali Union** of Jamalganj Upazila then 293 hector boro crop may affected . As a result 2020 families may fall in loss directly or indirectly.
- Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in **Fenarbak Union** of Jamalganj Upazila then 301 hector boro crop may affected . As a result 3375 families may fall in loss directly or indirectly.

- Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in **Jamalganj Union** of Jamalganj Upazila then 342 hector boro crop may affected . As a result 2505 families may fall in loss directly or indirectly.
- Due to climate change and affect of seasonal wind if there is Draughts or if draughts breakout like in 2012 in **Sachna Bazar Union** of Jamalganj Upazila then 417 hector boro crop may affected. As a result 2388 families may fall in loss directly or indirectly.

2.13 Climate Change and it's Feasible Impact

Sectors	Description
Agriculture	<p>Due to climate change in future, frequent flash floods, seasonal floods, Norwest hit, river erosion, water logging may occur in this upazila and its coverage may 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 lessen and business opportunity may be limited. Due to the climate change in future in Jamalganj upazila, union wise different disaster damage trend are follows;</p> <p>Beheli Union :</p> <p>In future, due to climate change in Beheli union of Jamalganj Upazila may damage flash flood 4310 hector boro crop, seasonal flood approximately 45 hector amon crops, Kalboishakhai Jhar approximately 5 hector boro crops and draughts approximately 235 hector boro crops. At all due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation.</p> <p>Bhimkhali Union :</p> <p>In future, due to climate change in Bhimkhali union of Jamalganj Upazila may damage flash flood 3397 hector borocrop, seasonal flood approximately 48 hector amon crops, Kalboishakhai Jhar approximately 02 hector boro crops and draught approximately 293 hector boro crops. At all due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation.</p> <p>Fenarbak Union :</p> <p>In future, due to climate change in Fenarbak union of Jamalganj Upazila may damage flash flood 7279 hector boro crop, seasonal flood approximately 52 hector amon crops, Kalboishakhai Jhar approximately 06 hector boro crops and draughts approximately 301 hector boro crops. As a whole due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation.</p> <p>Jamalganj sadar Union :</p> <p>In future, due to climate change in Jamalganj union of</p>

Sectors	Description
	<p>Jamalganj Upazila may damage flash flood 6210 hector boro crop, seasonal flood approximately 52 hector amon crops, river erosion -14 hectors crops, Kalboishakhai Jhar approximately 7 hector boro crops and draughts approximately 342 hector boro crops. As a whole due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation.</p> <p>Sachna Bazar Union :</p> <p>In future, due to climate change in Sachna Bazar union of Jamalganj Upazila may damage flash flood 4320 hector boro crop, seasonal flood approximately 46 hector amon crops, river erosion 25 hectors crops, Kalboishakhai Jhar approximately 3 and draughts 417 hector boro crops. As a whole due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation.</p>
Fisheries	<p>Due to climate change in future, frequent flash floods , seasonal floods, Norwest hit, river erosion, water logging may occur in this upazila and its coverage may 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 through “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 Jamalganj upazila, union wise different disaster damage trend on fisheries are follows;</p> <p>Beheli Union :</p> <p>In future, due to climate change in Beheli union of Jamalganj Upazila flash flood may damage fisheries in 11 ponds. As a whole due to climate change in future in this union fish production may reduce severely.</p> <p>Bhimkhali Union :</p> <p>In future, due to climate change in Bhimkhali union of Jamalganj Upazila flash flood may damage fisheries in 9 ponds. As a whole due to climate change in future in this union</p>

Sectors	Description
	<p>fish production may reduce severely.</p> <p>Fenarbak Union :</p> <p>In future, due to climate change in Fenarbak union of Jamalganj Upazila flash flood may damage fisheries in 14 ponds. As a whole due to climate change in future in this union fish production may reduce severely.</p> <p>Jamalganj Union :</p> <p>In future, due to climate change in Jamalganj union of Jamalganj Upazila flash flood may damage fisheries in 6 ponds. As a whole due to climate change in future in this union fish production may reduce severely.</p> <p>Sachna Bazar Union :</p> <p>In future, due to climate change in Sachna Bazar union of Jamalganj Upazila flash flood may damage fisheries in 12 ponds. As a whole due to climate change in future in this union fish production may reduce severely.</p>
Trees & plants	<p>Due to climate change in future, frequent flash floods , seasonal floods, river erosion, Norwest hit etc may occur 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 Jamalganj upazila, union wise different disaster damage trend are follows;</p> <p>Beheli Union :</p> <p>In future, due to climate change in Beheli union of Jamalganj Upazila flash flood may damage 170 tree & plants, seasonal floods -132 trees & plants and Norwest hit -150 trees & plants.</p> <p>Bhimkhali Union :</p> <p>In future, due to climate change in Bhimkhali union of Jamalganj Upazila flash flood may damage 110 tree & plants, seasonal floods -201 trees & plants, and Norwest hit -102 trees & plants.</p> <p>Fenarbak Union :</p> <p>In future, due to climate change in Fenarbak union of Jamalganj Upazila flash flood may damage 220 tree & plants, seasonal floods -351 trees & plants, and Norwest hit -113 trees & plants.</p>

Sectors	Description
	<p>Jamalganj Union :</p> <p>In future, due to climate change in Jamalganj union of Jamalganj Upazila flash flood may damage 120 tree & plants, seasonal floods -120 trees & plants, river erosion -157 trees and Norwest hit -200 trees & plants.</p> <p>Sachna Bazar Union :</p> <p>In future, due to climate change in Sachna Bazar union of Jamalganj Upazila flash flood may damage 97 tree & plants, seasonal floods -168 trees & plants, river erosion 149 trees and plants and Norwest hit -185 trees & plants.</p>
Health	<p>Due to climate change in future, frequent flash floods , seasonal floods, river erosion, draughts and Norwest hit 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 Norwest hit and thunder storm peoples may be injured and death case may be occurred. Due to the climate change in future in Jamalganj upazila, union wise different disaster damage trend are follows;</p> <p>Beheli Union :</p> <p>In future, due to climate change in Beheli union of Jamalganj Upazila among 19320 population 1.7% may suffer from diarrhea, 0.8% (children) may suffer pneumonia, 1.0 % may suffer from Tipoyet, 1.5% may suffer from dysentery, 2% may suffer from Jhondish, 3.7% may suffer from skin diseases, and 2.1% may suffer different viral diseases. Besides , 1.9 % peoples may suffer from Jhondish due to draughts . As a result each and every family in this union may have different loses including economic insolvency.</p> <p>Bhimkhali Union :</p> <p>In future, due to climate change in Bhimkhali union of Jamalganj Upazila among 32847 population 0.7% may suffer from diarrhea, 1.0% (children) may suffer pneumonia, 0.8 % may suffer from Tipoyet, 1% may suffer from dysentery, 2.1% may suffer from Jhondish, 2% may suffer from skin diseases, and 2% may suffer different viral diseases. Due to droughts among 32847 population 2 % peoples may suffer from Jhondish. As a result each and every family in this union may have different loses including economic insolvency.</p>

Sectors	Description
	<p>Fenarbak Union :</p> <p>In future, due to climate change in Fenarbak union of Jamalganj Upazila among 37440 population 2.2% may suffer from diarrhea, 1% (children) may suffer pneumonia, 3 % may suffer from Tipoyet, 1.8% may suffer from dysentery, 2.1% may suffer from Jhondish, 3.8% may suffer from skin diseases, and 3% may suffer different viral diseases. Besides , 1.5 % peoples may suffer from Jhondish due to draughts. As a result each and every family in this union may have different loses including economic insolvency.</p> <p>Jamalganj Union :</p> <p>In future, due to climate change in Jamalganj union of Jamalganj Upazila among 51606 population 2.3% may suffer from diarrhea, 0.6% (children) may suffer pneumonia, 2.1 % may suffer from Tipoyet, 2.5% may suffer from dysentery, 3% may suffer from Jhondish, 1.2% may suffer from skin diseases, and 2.9% may suffer different viral diseases. Besides , 0.2 % peoples may suffer from Jhondish due to draughts. As a result each and every family in this union may have different loses including economic insolvency.</p> <p>Sachna Bazar Union :</p> <p>In future, due to climate change in Sachna Bazar union of Jamalganj Upazila among 26049 population 1.4% may suffer from diarrhea, 0.9% (children) may suffer pneumonia, 1.1 % may suffer from Tipoyet, 1.3% may suffer from dysentery, 1.8% may suffer from Jhondish, 2.1% may suffer from skin diseases, and 2% may suffer from different diseases including viral fever. Besides , 2 % peoples may suffer from Jhondish due to draughts. As a result each and every family in this union may have different loses including economic insolvency.</p>
Livelihoods	<p>Due to climate change in future, frequent flash floods , seasonal floods, river erosion, droughts and Norwest hit 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 Jamalganj upazila, union wise different disaster damage trend are follows;</p> <p>Beheli Union :</p>

Sectors	Description
	<p>In future, due to climate change in Beheli union of Jamalganj Upazila, in case of flash flood 2475 farmer, 127 fishermen, 821 day labor may be affected. In seasonal flood 1113 farmers, 1314 day labor and 90 businessmen may be affected. In Kalboishakhai Jhar 527 farmers, 492 day labor and 27 businessmen may be affected. Due to draughts 1933 farmers, and 106 day labor may be affected.</p> <p>Bhimkhali Union :</p> <p>In future, due to climate change in Bhimkhali union of Jamalganj Upazila, in case of flash flood 1080 farmer, 75 fishermen, 114 day labor may be affected. In seasonal flood 513 farmers, 573 day labor and 55 businessmen may be affected. In Kalboishakhai Jhar 641 farmers, 587 day labor and 17 businessmen may be affected. In droughts 1410 farmers, 215 day labor may be affected.</p> <p>Fenarbak Union :</p> <p>In future, due to climate change in Fenarbak union of Jamalganj Upazila, in case of flash flood 2330 farmer, 673 fishermen, 2027 day labor may be affected. In seasonal flood 2031 farmers, 2605 day labor and 20 businessmen may be affected. In Kalboishakhai Jhar 632 farmers and 695 day labor and 35 businessmen may be affected. In droughts 2320 farmers and 177 day labor may be affected.</p> <p>Jamalganj Union :</p> <p>In future, due to climate change in Jamalganjunion of Jamalganj Upazila, in case of flash flood 2230 farmer, 192 fishermen, 1740 day labor may be affected. In seasonal flood 890 farmers, 1992 day labor and 112 businessmen may be affected. Due to river erosion 50 farmers and 110 day labor and 8 businessmen may be affected. In Kalboishakhai Jhar 267 farmers and 249 day labor may be affected. In droughts 1003 farmers, and 153 day labor may be affected.</p> <p>Sachna Bazar Union :</p> <p>In future, due to climate change in Sachna Bazar union of Jamalganj Upazila, in case of flash flood 1435 farmer, 75 fishermen, 1086 day labor may be affected. In seasonal flood 746 farmers, 1397 day labor and 115 businessmen may be affected. Due to river erosion 358 farmers and 34 day labor and 5 businessmen may be affected. In Kalboishakhai Jhar</p>

Sectors	Description
	1044 farmers, 776 day labor and 17 businessmen may be affected. In droughts 1641 farmers, and 356 day labor may be affected.
Water	<p>Due to climate change in future, frequent flash floods, seasonal floods, river erosion, water logging etc. may occur in this upazila and its smash up may be increased. Tub-well may be affected seriously from these. Besides, as a result of climate change under ground water level may be higher day by day. As a result scarcity of drinking water may be happened. Due to the different disaster in Jamalganj upazila, union wise affect trend are follows;</p> <p>Beheli Union :</p> <p>In future, due to climate change in Beheli union of Jamalganj Upazila, in case of seasonal flood 128 tub-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>Bhimkhali Union :</p> <p>In future, due to climate change in Bhimkhali union of Jamalganj Upazila, in case of seasonal flood 102 tube well . 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>Fenarbak Union :</p> <p>In future, due to climate change in Fenarbak union of Jamalganj Upazila, in case of seasonal flood 112 tub-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>Jamalganj Union :</p> <p>In future, due to climate change in Jamalganj union of Jamalganj Upazila, in case of seasonal flood 182 tub-wells and due to river erosion 12 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>Sachna Bazar Union :</p>

Sectors	Description
	<p>In future, due to climate change in Sachna Bazar union of Jamalganj Upazila, in case of seasonal flood 75 tube wells and river erosion 15 tub-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>
Infrastructure	<p>Due to climate change in future, frequent flash floods , seasonal floods, river erosion, river erosion , draughts etc. 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 damage and it may be huge in future. In future, due to the different disaster in Jamalganj upazila, union wise affect trend are follows;</p> <p>Beheli Union :</p> <p>In future, due to climate change in Beheli union of Jamalganj Upazila in flash flood 7.5 KM embankment, 19 KM roads (partial), 1352 home & homestead, 13 educational institutes and 04 religious institutes may be affected. In seasonal flood 25 KM embankment, 09 KM roads (partial), 35 home & homestead, 06 educational institutes, 15 religious institutes may be affected. Due to Kalboishakhai Jhar 45 home & homestead (partial), 3 educational institutes, 05 religious institutes, 2 electric filler etc may be affected.</p> <p>Bhimkhali Union :</p> <p>In future, due to climate change in Bhimkhali union of Jamalganj Upazila in flash flood 3.5 KM embankment, 13 KM roads (partial), 182 home & homestead, 11 educational institutes and 17 religious institutes may be affected. In seasonal flood 22 KM embankment, 1.5 KM roads (partial), 32 home & homestead, 6 educational institutes, 17 religious institutes may be affected. Due to Kalboishakhai Jhar 21 home & homestead (partial),5 educational institutes , 04 religious institutes, 1 electric filler etc may be affected.</p> <p>Fenarbak Union :</p> <p>In future, due to climate change in Fenarbakunion of Jamalganj Upazila in flash flood 17.75 KM embankment, 23 KM roads (partial), 1973 home & homestead, 17 educational institutes and 35 religious institutes may be affected. In seasonal flood 40 KM embankment, 9 KM roads (partial), 45 home & homestead, 10 educational institutes, 22 religious</p>

Sectors	Description
	<p>institutes may be affected. Due to Kalboishakhai Jhar 28 home & homestead (partial), 7 educational institutes, 12 religious institutes, 2 electric filler may be affected.</p> <p>Jamalganj Union :</p> <p>In future, due to climate change in Jamalganj union of Jamalganj Upazila in flash flood 9.5 KM embankment, 25 KM roads (partial), 1895 home & homestead, 20 educational institutes and 32 religious institutes may be affected. In seasonal flood 35 KM embankment, 13 KM roads (partial), 48 home & homestead, 5 educational institutes, 10 religious institutes may be affected. Due to river erosion 32 houses (partial) 1.0 KM roads (partial may be affected. In Kalboishakhai Jhar 52 home & homestead (partial), 7 educational institutes, 5 religious institutes, etc may be affected.</p> <p>Sachna Bazar Union :</p> <p>In future, due to climate change in Sachna Bazar union of Jamalganj Upazila in flash flood 11 KM embankment, 14 KM roads (partial), 1095 home & homestead, 10 educational institutes and 15 religious institutes may be affected. In seasonal flood 20.0 KM embankment, 5.0 KM roads (partial), 43 home & homestead, 5 educational institutes, 12 religious institutes may be affected. In river erosion 58 houses (partial) and 1.5 KM roads (partial) may be affected. In Kalboishakhai Jhar 18 home & homestead (partial), 4 educational institutes, 06 religious institutes, and 3 electric pole etc may be affected.</p>

Section 3: Disaster Risk Reduction

3.1 Risk Factors Identification

Hazards	Reasons		
	Immidiata	Mid Term	Final
Flash flood	Heavy rainfall and Upstream water	Siltation in rivers and cannels Lack of maintenance of the embankments, Inadequate sluice gate , lack of early veriety plantation	Geographical location and affects of climate change of the Upazila
Thunderstorm	Close to Meghaloya	Haor area and heavy rain prone area.	Geographical settings of the Upazila
Seasonal flood	Heavy rainfall and Upstream water	Siltation in rivers and cannels, inadequate plants and trees.	Geographical settings of the Upazila
River erosion	Heavy rain fall, upstream flashing,	Excess black earth quarry.	Geographical settings of the Upazila
Kalboishakhai Jhar (Norwest hit)	Seasonal wind blow, geographical settings of the Upazila	Inadequate trees and plants.	Affect of climate change.
Draughts	Under ground water level narrowing	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 	<ul style="list-style-type: none"> • Construction of sluice gate • Rubber dam making 	<ul style="list-style-type: none"> • Construction of embankment • Dragging of

Hazards	Feasible Measures of Risk Reduction		
	Short Term	Mid Term	Long Term
	<ul style="list-style-type: none"> embankment repaired and maintenance • Manage drainage system • Preservation of crop seeds. • Early warning system establishes. • Early warning system 	<ul style="list-style-type: none"> • Readiness of Volunteers groups 	<ul style="list-style-type: none"> rivers and cannels • Plantation of Hijal & koros forests to protect lives from the weaves.
Thunder storm	<ul style="list-style-type: none"> • Readiness of Volunteers groups • Social awareness activities initiating 	<ul style="list-style-type: none"> • Anti-stom pole installation 	<ul style="list-style-type: none"> • Awareness rising through courtyard meeting. • Awareness rising through school session • Billboard, leaflets, poster etc for awareness building.
Seasonal flood	<ul style="list-style-type: none"> • Dam repair • Drainage system establishing • Repair shelters • Plinth raising • Keeping 	<ul style="list-style-type: none"> • Placement of rubber dam • Village protection wall construction • Keeping volunteers 	<ul style="list-style-type: none"> • Construction of earth hillers. • Roads rising above the flood level. • Dragging of rivers and

Hazards	Feasible Measures of Risk Reduction		
	Short Term	Mid Term	Long Term
	<p>engine boat ready for emergency rescue, treatment and supports</p> <ul style="list-style-type: none"> • 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 purification tablets distribution. • Emergency medicine and saline preservation • Crops seeds preservation • Important deeds & agreements preservation • Storage of dry 	<p>groups ready</p> <ul style="list-style-type: none"> • 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 fund raising • 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) 	<p>cannels</p> <ul style="list-style-type: none"> • 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 relief arrangement • Awareness building by courtyard meeting. • Awareness building through school session. • Village disaster management committee's monthly

Hazards	Feasible Measures of Risk Reduction		
	Short Term	Mid Term	Long Term
	<p>food.</p> <ul style="list-style-type: none"> • 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 to the shelters. 	<ul style="list-style-type: none"> • Fodder cultivation like germon, nippier etc. 	<p>meeting organizing.</p> <ul style="list-style-type: none"> • 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.) for awareness building • Establishment of billboards for awareness building. • Facilitation of trade based training and supply necessary materials to involve in the

Hazards	Feasible Measures of Risk Reduction		
	Short Term	Mid Term	Long Term
			<p>income generating activities.</p> <ul style="list-style-type: none"> • Provide training for volunteers groups on search and rescue
River erosion	Stop excess black earth quarry	River and cannels dragging	River bank protection with blocks.
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 assists preservation • Boat, floating materials and van preservation. • Readiness of volunteers groups. • Early warning broadcasting • Social 	<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 village) • Formation of volunteer groups • Emergency fund raising • Search & rescue mock drill arrangement • Contingency stock (life 	<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
	awareness activities. <ul style="list-style-type: none"> • Emergency rescue activities performs • Accompanying the distressed to the shelter 	jackets, touch lights, whistle, hand mike , rope etc.) <ul style="list-style-type: none"> • Store house (emergency medicine, tents, poly-thins) 	
Draught	<ul style="list-style-type: none"> • Arrange irrigation 	<ul style="list-style-type: none"> • River and cannel dragging 	<ul style="list-style-type: none"> • Plantation and social forestry

3.3 Development Plan of NGO's

Sl. No.	Name of NGO	Activities on Disaster	No.of Beneficiaries	Project Duration
1.	BRAC	Disaster and climate change project	3000 psn	Continued since November 2013
2.	IDEA	Livelihood promotion	2000 psn	Continued from 2004
3.	Voluntary Association for Rural Development (VARD)	Community Managed Disaster Risk Reduction (CMDRR) Phase-II Project Disaster risk reduction by improving the capacity of the target families.	33538 psn.	Jan'09-Jul'15

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	1000 No.	8,000,000	UnionFenarbak Union-350, Bhimkhali union – 250 Beheli Union-300, Sachna Bazar Union-50 and Jamalganj union -50	February and March	30%	-	20%	50%	Proposed activities will aware the community peoples to take disaster preparedness and initiatives which will
2.	Embankment construction	41.4 KM	24,840,000	Beheli union : 1. Beheli bazar to Rajapur through Putia- 4 KM 2. Kumuria to Ranjit's house through Nitaipur- 4 KM 3. Rahimapur to Bharopur Fari gate through Gopalpur – 4 KM 4. Hizla embankment – 1.5 KM 5. Embankment in the	January and February	40%	-	20%	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 %	
				west Haripur -2 KM 6. Ahasanpur Badh -0.4 KM Sachna Bazar Union : 7. CBRMP road at Palok to Kukraparashi through Shamimnagar – 2 KM 8. Chandpur Akra to Nayabarangta Faryghat- 4 KM 9. Fazilpur primary school to Ayub Ali's house -1 KM 10. Alauddin's house at Suzatpur to river bank – 5 KM 11. Muchi Barir Khal to Chandpur in front of Sunapur 05 KM 12. Dolay Badh at Matikataroypur – 0.5 KM 13. Chaptar kanda to Taler kanda -0.5 KM 14. Rupaya badh -0.5 KM						contribute in immediate disaster risk reduction. Through this people's lives and assets will reduce. Right implementation of

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>Jamalganj sadar union</p> <p>15. Uttar kamlabazar to Hekkar Jangaliar badh-5 KM</p> <p>16. Rangar badh -1.7 KM</p> <p>Bhimkhali union :</p> <p>17. Noyapara to Lalbazar road at Moneygaon – 0.5 KM</p> <p>18. Latifpur bridge to Jalalabad by-pass road via Beelpar- 2 KM</p> <p>19. Ghagotia – Sreepur road to uzzalpur by pass road- 2 KM</p> <p>20. Angul Bhanga Jhangal Badh – 1 KM</p> <p>21. Peine river dam -1 KM</p>						these activities will improve the socio economic condition of the risky haor peoples which will contribute in the national development

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 %	
				Fanerbak union 22.Amanipur Badh -0.7 KM 23. Kanaikhali Badh -1.1 KM						nt
3.	Early variety of paddy seeds supply (seed -10 Kg/farmer, Uria fertilizer – 50 Kg/farmer, TSP- 25Kg/famer, MOP- 25Kg/farmer Gypsum- 25 Kg / Farmer)	3000 farmer	7,500,000	<ul style="list-style-type: none"> Fenarbak Union-500 , Bhimkhali Union- 500 Beheli Union -500 Sachna Bazar Union - 500 Jamalganj Union -1000 	December to January	40%	-	40%	20%	
4.	River dragging	4 KM	4000,000	The Surma, the Kanaikhali and the Rakti rivers	November to March	60%	-	20%	20%	
5.	Sluice gate construction and repair (1 construction and 3 repair)	04 No.s	4,250,000	Sluice gate construction 01.In amanipur Badh Sluice gate repair 02. Sluice gate infront	November to March	50%	-	20%	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 %	
				of Beheli High school. (Beheli) 03.Ratla sluice gate (Jamalganj Sadar) 04.Kalaganger Khara sluice agte (Sachna bazaar)						
6.	Village protection wall construction	27 No.s	216,000,000	1. Sreemontapur (Fenarbak union) 2. Josmontapur (Fenarbak union) 3. Bisnapur (Fenarbak union) 4. Rasulpur (Fenarbak union) 5. Shantipur (Fenarbak union) 6. Innatnagar (Fenarbak union) 7. Hatamara (Fenarbak union) 8. Nazimnagar (Fenarbak union) 9. Udaypur (Fenarbak union)	November to March	40%	-	15%	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 %	
				10. Alipur (Fenarbak union) 11. Amanipur (Fenarbak union) 12. Madnakandi (Beheli union) 13. Durgapur (Beheli union) 14. Haripur (Beheli union) 15. Jatindrapur (Beheli union) 16. Noyapara (Beheli union) 17. Howria Alipur (Beheli union) 18. Badalpur (Beheli union) 19. Harinagar (Beheli union) 20. Bhgani (Beheli union) 21. Kumuria (Beheli union) 22. Harnakandi (Beheli union) 23. Mahmoodpur (Beheli union)						

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 %	
				24.Ahasanpur (Beheli union) 25.Badarpur (Beheli union) 26.Sharifpur (Jamalganj sadar) 27.Lakshampur Bazaar (Jamalganj sadar)						
7.	Readiness of engine boat for emergency rescue, treatment services and support.	5 No.s	300,000	One in each union	Nov. to Mar	40%	-	15%	45%	
8.	Readiness of Volunteer groups	5 No.s	-	In all the 5 unions	April to November	20%	30%	20%	30%	
9.	Construction of Shelter	10 No.s	25,000,000	1. Nazimnagar (Fenarbak union) 2. Bisnapur village (Fenarbak union) 3. Chandpur (Sachna Bazaar union) 4. Radhanagar (Sachna Bazaar union) 5. Mollikpur Bazaar (November to March	60%	10%	10%	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 %	
				Bhimkhali union) 6. Beside Achiruddin High School (Bhimkhali union) 7. Beside Bhimkhali High school(Bhimkhali union) 8. Ahasanpur (Beheli union) 9. Chargaon (Durgapur) (Beheli union) 10. Beheli (Beheli union)						
10.	Shelter repair	8 No.s	2,100,000	1. Ahasanpur Govt. Primary school (very meagerable condition) 2. Mahmoodpur Govt. Primary school 3. Howria alipur Govt. Primary school 4. Kamargaon Govt. Primary school 5. Abdul Wahid Govt. Primary school 6. Bhatidoulatur Govt.	November to March	60%	10%	10%	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 %	
				Primary school 7. Hizla Govt. Primary school 8. Badarpur Govt. Primary school						
11.	Upholding tub-well over the flood levels.	659	1,977,000	In all the 5 unions	November to March	50%	10%	20%	20%	
12.	Excavation of Cannels	2.5 Km	250,000	In all the 5 unions	January to February	40%	-	20%	40%	
13.	Construction of earth hiller (Matir killah)	13 No.s	19,500,000	1. Fenarbak (Fenarbak union) 2. Bidhipur (Fenarbak union) 3. Hatamara (Fenarbak union) 4. Matargaon (Fenarbak	January to February	40%	-	10%	50%	

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 %	
				union) 5. Amanipur (Fenarbak union) 6. Chandpur (Sachna Bazaar union) 7. Radhanagar (Sachna Bazaar union) 8. Kandagaon (Sachna Bazaar union) 9. Ahasanpur (Beheli union) 10. Harinagar (Beheli union) 11. Badarpur (Beheli union) 12.Momenpur (Jamalganj						

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 %	
				sadar union) 13. Mollokpur (Bhimkhali union)						
14.	Repair of earth hiller (Matir killah)	1	200,000	01.Beheli (Beheli union)	January to February	40%	-	10%	50%	
15.	Formation of village disaster management committee	179 No.s	-	-	November	-	-	-	100%	
16	Formation of subcommittee (3 in each village)	537 No.s	-	-	November	-	-	-	100%	
17	Formation of volunteer group	179	-	-	November	-	-	-	100%	
18	Hisol and Korose forest to protect village and lives from weaves (50,000 plants for each)	5 No.s	12500,000	Beheli Union,Bhimkhali Union, Fenarbak Union, Jamalganj Union and Sachna Bazar Union	November to March	-	-	-	100%	
19	Anti-thunder pole installation	10	2,000,000	Two in each union	November to March	-	-	-	100%	
20	Paddy harshing machine	25	5,000,000	5 in each union	Oct. – Dec.	10%	-	10%	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 %	
21	Hygienic latrine installation	1000 No.s	12,000,000	200 latrine in each union	October to March	10%	10%	20%	60%	
22	Tub well sinking	155	7,750,000	Beheli Union-78, Bhimkhali Union-15, Fenarbak Union-19, Jamalganj Union-22 and Sachna Bazar Union-21	October to March	10%	10%	20%	60%	
23	Road construction	50 KM	40,000,000	<ol style="list-style-type: none"> 1. Gucchagram to Ahasanpur -10 KM (Beheli union) 2. Beheli primary school to Mashalghat -0.5 KM(Beheli union) 3. Putia purbapara to Nitaipur -1 KM (Beheli union) 4. Beheli road to Inatnagar – 1 KM (Beheli union) 5. Beheli bazaar to western house of Alipur -5 KM (Beheli union) 6. Rajendopur to Amanipur -2.5KM (Fenarbak union) 7. Bisnapur to Amanipur 	October to March	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 %	
				2.5 KM (Fenarbak union) 8. Amanipur to Alipur - 3KM (Fenarbak union) 9. Hatmara to Gazaria 5 KM (Fenarbak union) 10. Fenarbak to Salimganj 4 KM (Fenarbak union) 11. Kalipur to Mannanghat 5 KM (Jamalganj sadar union) 12. Kashipur to Salimganj bazaar – 1 KM (Jamalganj sadar union) 13. Saratpur to Bagirband bank -6 KM(Jamalganj sadar union) 14. Chandpur Kheaghat to Baratpur Kheaghat – 5KM (Sachna Bazar union) 15. Harierpur bridge to Baghhati Mosque 2 KM (Sachna Bazar union) 16.Noyahalat village road -						

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 KM (Jamalganj sadar union)						
24	Road repair	73.95	59,160,000	<ol style="list-style-type: none"> 1. Ulukandi to Parchim Alipur – 4.75 KM (Beheli union) 2. Rahimapur to Barokuri Feryghat -3.39 KM (Beheli union) 3. Gucchagram to Badarpur – 3.5 KM (Beheli union) 4. Beheli to Alipur – 4.05 KM (Beheli union) 5. Harinakandi to Ahasanpur – 4 KM (Beheli union) 6. Teranagar to Fenarbak 9.35 KM (Fenarbak union) 7. Teranagar to Benagora 6.92 KM (Fenarbak union) 8. Shibpur to Chandipur 1.10 KM (Fenarbak union) 	October to March	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 %	
				9. Kaminipur bazaar to Insanpur via Mominpur 6.5 KM (Jamalganj sadar union) 10. Lambabak to Harinakandi 9 KM (Jamalganj sadar union) 11. Lambabak to Rangiar road 2.5 KM (Jamalganj sadar union) 12. Kalipur to haormukhi road 1.75 KM (Jamalganj sadar union) 13. Jamalganj GC road to Nayahalat Eidgaon 0.3 KM (Jamalganj sadar union) 14. Nayahalat GC road to Noyahalat Govt. Primary school-1.0 KM (Jamalganj sadar union) 15. Salimganj bazaar to Fenarbak UP Lakshmipur bazaar 4.84 KM (Jamalganj sadar						

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 %	
				union) 16. Kalkatkha to Santashpur via Hugli 2 KM (Bhimkhali union) 17. Sachna bazaar to Sachnabazar UP via Ramnagar - 3.05 KM (Sachna Bazaar union) 18. Sachna Bazar GC to Sunamganj RHD road 1.05 KM (Sachna Bazaar union) 19. Kukraparashi RHD road to Chandpur via Noyabarunka kheaghat -5 KM (Sachna Bazaar union)						
25	LLP installation , drain digging, Tap pipe arrangement for irrigation into boro field	LLP-500 Tap pipe – 30000 feet Drain	22,500,000	LLP installation : In all the 5 unions Drain digging • Fenarbak Union-2 KM	October to March	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 %	
		digging – 9 KM		<ul style="list-style-type: none"> • Bhimkhali Union- 2 KM • Beheli Union -2 KM • Sachna Bazar Union -2 KM • Jamalganj Union -1 KM 						
26	High raise paddy drying field preparation (for paddy storage after harvest during flash flood)	6 No.s	600,000	<ul style="list-style-type: none"> • Beheli Union -1 • Bhimkhali Union- 1 • Jamalganj Union -1 • Sachna Bazar Union -1 • Fenarbak Union-2 	October to March	20%	-	-	80%	
27	Gopat (road towards haor to carry paddy) making	9 KM	2,700,000	<ol style="list-style-type: none"> 1. Rangamati Maktab to Rakti river bank -3.5 KM (Sachna Bazar union) 2. Sachna haor mukhi gopat -1.5 KM (Jamalganj sadar union) 3. Jamalganj CC road (Chandpur to Pakhnar haor) – 0.5 KM (Jamalganj sadar union) 4. Rangar road to Halir 	November to March	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 %	
				haor -1.5 KM (Jamalganj sadar union) 5. Halir Haor to river bank -1.5 KM (Jamalganj sadar union) 6. Jamalganj CC road (Sunamganj) to Pakhnar Haor -0.5 KM (Jamalganj sadar union)						
28	Graveyard maintenance	42 No.s	4,200,000	1. Chandpur gazaria hati graveyard (Jamalganj sadar union) 2. Lalpur graveyard (Jamalganj sadar union) 3. Alipur Sharifpur graveyard (Jamalganj sadar union) 4. Kaminipur graveyard (Jamalganj sadar union) 5. Lakshmipur graveyard (Jamalganj sadar union) 6. Bhatilalpur graveyard (Jamalganj sadar union) 7. Nayahalat graveyard (November to March	20%	-	20%	60%	

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 %	
				Jamalganj sadar union) 8. Sunapur graveyard (Jamalganj sadar union) 9. Kalipur graveyard (Jamalganj sadar union) 10.Lambabak graveyard (Jamalganj sadar union) 11.Betal alipur graveyard (Jamalganj sadar union) 12.Kashipur graveyard (Jamalganj sadar union) 13. Shantipur graveyard (Fenarbak union) 14. Rajapur graveyard (Fenarbak union) 15.Sharif pur graveyard (Fenarbak union) 16.Alipur graveyard (Fenarbak union) 17.Gazaria graveyard (Fenarbak union) 18.Kalkatkha graveyard (Bhimkhali union) 19. Uzzalpur graveyard (Bhimkhali union)						

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 %	
				20. Mirzapur graveyard (Bhimkhali union) 21. Banda graveyard (Bhimkhali union) 22. Mollikpur graveyard (Bhimkhali union) 23. Hugli graveyard (Bhimkhali union) 24. Pakul Mohammadpur graveyard (Bhimkhali union) 25. Moulinagar graveyard (Bhimkhali union) 26. Teranagar graveyard (Bhimkhali union) 27. Ahasanpur graveyard (Beheli union) 28. Innatnagar graveyard (Beheli union) 29. Moshalghat graveyard (Beheli union) 30. Harinagar graveyard (Beheli union) 31. Beheli Muslimpara graveyard (Beheli union)						

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 %	
) 32. Bgani graveyard (Beheli union) 33. Mahmudpur graveyard (Beheli union) 34. Harinakandi graveyard (Beheli union) 35. Rupabali graveyard (Sachna Bazar union) 36. Durgapur graveyard (Sachna Bazar union) 37. Fazilpur graveyard (Sachna Bazar union) 38. Sharifpur graveyard (Sachna Bazar union) 39. Sujatpur graveyard (Sachna Bazar union) 40. Noorpur graveyard (Sachna Bazar union) 41. Sukdebpur graveyard (Sachna Bazar union) 42. Ramnagar graveyard (Sachna Bazar union)						
29	Preparation of organic vegetable village	5 No.s	500,000	<ul style="list-style-type: none"> Beheli Union-1 Bhimkhali Union -1 	Novem	10%	-	10%	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 %	
				<ul style="list-style-type: none"> Jamalganj Sadar Union -1 Sachna Bazar Union -1 Fenarbak Union -1 	ber to March					
30	Aware community on improved cook stove to reduce carbon smog	As per need	-	In all the five unions	October to September				100%	
31	Organize mock-drill at school level	18	360,000	<ol style="list-style-type: none"> Jamalganj Model High School Jamalganj Girls High School Bhimkhali High School Sachna Bazar High School Nobin Chandra High School Beheli High School Alauddin Memorial High School Hazi Achiruddin High School 	November to March				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 %	
				9. Abdul Mokit High School 10. Al- Haz Junu Mia High School 11. Noyagoan and austagram Islamia Alim Madrasa 12. Lakshmipur Taukulia Dakhil Madrasa 13. Lakshmipur Tayadul Islamia Dakhil Madrasa 14. Kalipur Nasaria Dakhil Madrasa 15. Sukdebpur Dakhil Madrasa 16. Hazi Julekha Tayeb Islamia Dakhil Madrasa 17. Kamlabaz Abtedai Madrasa 18. Jamalganj Degree College						
32	Raising school field	2 No.s	500,000	1. Lakshmipur Govt. Primary School 2. Al haz junu Mia High School	November to March	30%	-	10%	60%	

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 %	
33	Veterinary clinic establishment for livestock treatment	2 no.s	200,000	Beheli union and Fenarbak union	November to March	30%	-	10%	60%	

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	-	179 village	June to November	-	100%	-	-	
1.1.2	Crop seeds preservation	As per need	-	179 village	June to November	-	100%	-	-	
1.1.3	Important deeds and agreements preservation	As per need	-	179 village	June to November	-	100%	-	-	
1.1.4	Storage of dry food	As per need	-	179 village	June to November	-	100%	-	-	
1.1.5	Furniture & fixture and assets preservation	As per need	-	179 village	June to November	-	100%	-	-	
1.1.6	Boat, van, and floating materials keeping ready	As per need	-	179 village	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	5	-			20%	30%	20%	30%	
2.1.1	Early warning message broadcasting	As per need	-	-	-	30%	20%	10%	40%	
2.1.2	Emergency fund	5	1,000,000	5 unions	November	30%	20%	10%	40%	
2.1.3	Rescue works preparedness (Mock drill arrangement)	5	250,000	5 unions	May to June	30%	20%	10%	40%	
2.1.4	Contingency stock (Life jacket, touch light, whistle, hand mike etc)	5	50,000	5 unions	March to April	30%	20%	10%	40%	
2.1.5	Store house (emergency medicine tends, and polithin)	5	50,000	5 unions	March to April	30%	20%	10%	40%	
2.1.6	Community awareness activities	As per need	-	5 unions	October to September	-	-	-	100%	
2.1.7	Emergency rescue works	As per need	-	5 unions	As per need	30%	10%	20%	40%	
2.1.8	Accompany distress peoples to the shelter (pregnant women, old men, disable	As per need	-	5 unions	-	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 %	
	and children)									
2.1.9	Keep ready the Medical team with medicine and equipment	5 No.s	-	5 union	-	-	-	-	-	
2.1.10	Emergency medicine storage for shelter and Medical Team	5 No.s	-	5 union	-	-	-	-	-	

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	Early varieties paddy seeds, fertilizer and insecticide delivery	1200 Farmer	3,000,000	Affected farmer	October to November	40%	-	40%	20%	If proposed activities during post disaster is implemented, it will help to reduce the damage of people's lives and assets.
2	Road reparing	24 K.M	4,800,000	Damaged Road	December-February	50%	-	20%	30%	
3	House reparing	2000 Nos.	10,000,000	Damaged house	January-March	50%	-	20%	30%	
4	Provide emergency treatment	2000 family	100,000	Affected area	January – March	50%	10%	20%	20%	
5	Distribute pure water and water purifying tablet	2000 family	400,000	Affected area	June-November	50%	10%	10%	30%	
6	Reparing of damaged embankment	5.4 KM	2700,000	6 embankment	January-February	40%	-	20%	40%	
7	Tree plantation at homestead (10 seedlings for	5000	2500,000	5 union	December-	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 %	
	each family)	family			January					Right implementation of these activities will improve the socio economic condition of the risky haor peoples which will contribute in the national
8	Cultivate Jarmon, Nepeyar grass etc to ensure livestock feeds.	As per need	-	5 union	June-November	10%	90%	-	-	
9	Arrange relief during emergency period	2000 family	6,000,000	5 union	June-November	40%	10%	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 %	
										development.
10	Hygeinic latrine repair	2000 No.s	2,000,000	5 Union	Dec. to Feb.	40 %	10%	10%	40%	
11	Tub well repair	300 Nos.	600,000	5 Unions	Dec. to Jan	20 %	80%			
12	Create employment opportunity	500 psn	2500,000	5 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	2148 nos.	-	5 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	1704 nos.	-	142 school	October-September	30%	20%	10%	40%	
3	Monthly meeting of Village disaster management committee at village level	2148 nos.	-	5 unions	October-September	10%	30%	10%	50%	
4	Monthly meeting of union disaster management committee at Union level	60 Nos.	30,000	In 5 Unions	October-September	10%	30%	30%	30%	
5	Monthly meeting of upazila disaster management committee at upazila level	12 Nos.	12,000	In upazila	October-September	40%	-	20%	40%	
6	Develop education materials for awareness building (5000 Nos.	500,000	In Upazilla	October-September	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 %	
	Leflet, brochure, poster)				mber					
7	Install billboard for awareness building	5 Nos.	500,000	In 5 Unions	October-September	20%	30%	10%	40%	
8	Arrange tradebased training and provide materials for IGA	200 persons	1000,000	In 5 Unions	October-September	10%	30%	10%	50%	
9	Provide search and rescue training for volunteer group	5 Nos.	150,000	In 5 Unions	October-February	20%	20%	20%	40%	
10	Provide training to Union Disaster Management Committee on Disaster Management .	5 No.s	150,000	In 5 Unions	October-February	20%	20%	20%	40%	
11	Provide training to Upazila Disaster Management Committee on Disaster Management .	1	30,000	In Upazila	October-February	20%	20%	20%	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 %	
12	Provide training to farmers on fertilizer and irrigation management	40 Batches	1,000,000	In 5 Unions	October-February	20%	20%	20%	40%	
13	Organize street dram and folk song (Jharigan) for awareness	15 No.s	150,000	3 in each of the 5 unions	October-February	20%	20%	20%	40%	

Section 4 : Emergency Response

4.1 Emergency Operation Centre (EOC)

SL. No.	Name	Designation	Mobile No.
1.	S.M. Shafi Kamal	Upazila Nirbahi Officer, Jamalganj	01717123106
2.	Jahangir Alam	Nazir , UNO office Jamalganj	01712375957
3.	Habibur Rahman	Office Assistant ,Project Implementation Officer's Office , Jamalganj	01929846480
4.	Subrata Das	Sub Assistant	01734154403
5.	Kamrul Islam	Typeist	01717491262

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	5 nos.	12 months	UP Chairma n	UzDMC, non-goverme nt organization and public	Provide training and equipmen ts, personal communi cation	Respons ible represe ntative of union & upazila disaster manage

Sl. No.	Activities	Target	When Done	Responsible Person	Who will Help	How Done	Communication
							ment committee
2.	Precaution message publicity	5 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	5 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	5 nos.	8 months (April-November)	Representative of UP	Non-government organization and community people	Collect phone # and communicate nearest health service center	Responsible Officer of Upazila health center
6.	Keep ready dry eat, collect medicine	1000 family	6 months (June-November)	UDMC responsible representative	Local business man/non-government organization and community people	Direct discussion with community and organization who will give eat & medicine and	UzDMC & UDMC responsible representative

Sl. No.	Activities	Target	When Done	Responsible Person	Who will Help	How Done	Communication
						collect phone #	
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	5 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	5 Nos.	3 months (January-March)	Responsible representative of UP	Govt/non-govt. organization and community people	Organize drill with the support of volunteer and community people	Communicate with UzDMC & UDMC responsible 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 will ensure warning message by him/her self .
- 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.
- Probide primary treatment for illness person, oldest, child and pragnent woment who stay in shelter.
- UP members with the help of volunteer at ward level will be responsilbe for for the burial of deadbody of man and death of domistic animal.

4.2.5 Shelter Maintenance

- Keep ready and required reparing of shelter centersat 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 disable personduring disaster.
- Ensure supply of pure water and others services at shelter center.
- Assist community people for transfering of necessary resources i.e. livestocks, 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 works.
- 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 d form will be send to UP chairman.
- UP chairman through UP secretary will submit the consolitated loss and damage of the union (ward sise) 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 conduct relief work at locally and also inform to controll room.
- Union disaster management committee will finalyze the quantity of relief goods ward wise based on the vulneribility 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, ata, 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 responsible for transpotation 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, forcast publicity, evacuation, rescue and primary relief work.
- To arrange simulation at strom/flood prone area continuously.
- To echeck 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)	Beheli matir Killa	Beheli	100 psn	-
Storm shelter center	-	-	-	There is no Storm shelter center in Jamalganj Upazila
	Beheli Govt.Primary School	Beheli	200 psn.	
	Madudpur Govt.Primary School	Beheli	200 psn.	
	Dhurgapur Govt.Primary School	Beheli	200 psn.	
	Horikande Govt.Primary School	Beheli	200 psn.	
	Hawreya Allipur Govt.Primary School	Beheli	200 psn.	
	Asanpur Govt.Primary School	Beheli	200 psn.	
	Hori Nogor Govt.Primary School	Beheli	200 psn.	
	Bodurpur Govt.Primary School	Beheli	200 psn.	
	Nowahat Govt.Primary School	Jamalganj Sadar	200 psn.	
	Lombak	Jamalganj	200 psn.	

	Govt.Primary School	Sadar		
	Gojariya Chanpur Govt.Primary School	Jamalganj Sadar	200 psn.	
	Sachna Adoroso Govt.Primary School	Jamalganj Sadar	200 psn.	
	Matargawo Govt.Primary School	Fenarbak	200 psn.	
	Choyhara Govt.Primary School	Fenarbak	200 psn.	
	Nidipur Govt.Primary School	Fenarbak	200 psn.	
	Fanarbuk Govt.Primary School	Fenarbak	200 psn.	
	Loxmipur Govt.Primary School	Fenarbak	200 psn.	
	Razpur Govt.Primary School	Fenarbak	200 psn.	
	Sukdabpur Govt.Primary School	Sachna Bazar	200 psn.	
	Ramnogur Govt.Primary School	Sachna Bazar	200 psn.	
	Mamudpur Govt.Primary School	Sachna Bazar	200 psn.	
	Vanda Makorkhal Govt.Primary School	Fenarbak	200 psn.	
	Molinogor Govt.Primary School	Fenarbak	200 psn.	
	Shermostompur Govt.Primary School	Sachna Bazar	200 psn.	
	Mosalgat Govt.Primary School	Beheli	200 psn.	
	Sreepur Govt.Primary School	Sachna Bazar	200 psn.	
	Kaminipur Govt.Primary School	Sachna Bazar	200 psn.	
	Modnakandi Govt.Primary School	Sachna Bazar	200 psn.	
	Sonapur Govt.Primary School	Jamalganj Sadar	200 psn.	
	Sorifpur Alli pur Govt.Primary School	Jamalganj Sadar	200 psn.	
	Horipur Govt.Primary School	Beheli	200 psn.	
	Rangamati Govt.Primary School	Sachna Bazar	200 psn.	
	Hijla Govt.Primary School	Beheli	200 psn.	
	Abdur Rahamah Govt.Primary School	Beheli	200 psn.	
	Tilki Govt.Primary School	Beheli	200 psn.	
	Tagoriya	Fenarbak	200 psn.	

	Govt.Primary School			
	Vati Dolotpur Govt.Primary School	Fenarbak	200 psn.	
	Azor Alli Govt.Primary School	Vimkhali	200 psn.	
	Abdul wahed Govt.Primary School	Fenarbak	200 psn.	
	Kamargaon Govt.Primary School	Fenarbak	200 psn.	
	jamalganj Model High School	Jamalganj Sadar	200 psn.	
	Jamalganj Garils High School	Jamalganj Sadar	200 psn.	
	Vimkhali High School	Vimkhali	200 psn.	
	Sasna Bazar High School	Sachna Bazar	200 psn.	
	Nobin Chonro High School	Fenarbak	200 psn.	
	Beheli High School	Beheli	200 psn.	
	Allauddin Memorial High School	Fenarbak	200 psn.	
GO/NGO Institutes	Upazila Kindergaten	Jamalganj Sadar	150 psn.	
	Upazila youth Devolapment Officer	Jamalganj Sadar	150 psn.	
	Upazila Land Officer	Jamalganj Sadar	150 psn.	
	jamalgonj Model High School	Jamalganj Sadar	1000 psn.	
UP Bhaban	Sachna Bazar Union Parishad Bhaban	Sachna Bazar	300 psn.	
High Roads	97 k.m paka Road	Jamalganj Sadar, Sachna Bazar and Bhimkhali	24,250 psn.	

4.4 Structure of Shelter Management Committee

Shelters	Shelter center name	Responsible person	Mobile No.	Remarks
Earth place (Matir Killa)	Beheli Matir killa	Md.Sirajul haq Talukder Chairman, 1no Beheli U.P	01711012632	
	Beheli Govt.Primary School	Nisindu Ranjon Gosami	0171674262	
	Madudpur	Fardus Akter	01759331644	

	Govt.Primary School			
	Dhurgapur Govt.Primary School	Mihir Ranjon Talukd.	01714507238	
	Horikande Govt.Primary School	Toli Rani talukder	01740950100	
	Hawreya Allipur Govt.Primary School	Tofazzol Hossan	01714487050	
	Asanpur Govt.Primary School	Sudangsu Das	01714483602	
	Hori Nogor Govt.Primary School	Sindu purkaysto	01726701442	
	Bodurpur Govt.Primary School	Protima Rani Das	01712497702	
	Nowahat Govt.Primary School	Abdul Gaffer	01748982627	
	Lombak Govt.Primary School	Md.Sokoat Alli	01915920439	
	Gojariya Chanpur Govt.Primary School	Dinas Chanro das	01745712061	
	Sasna Adoroso Govt.Primary School	Biddut joti Chokroborti	01712403953	
	Matargawo Govt.Primary School	Prodif Roy	01716466602	
	Choyhara Govt.Primary School	Krisnokanto purkaysto	01745612724	
	Nidipur Govt.Primary School	Ronto kumar Mojumder	01716870176	
	Fanarbuk Govt.Primary School	Alli Hossan	01722213514	
	Loxmipur Govt.Primary School	Protiva Das	01729725308	
	Razpur Govt.Primary School	Atulo Chunro talukder	01714912103	
	Sukdabpur	Anupom das	01190750942	

	Govt.Primary School			
	Ramnogur Govt.Primary School	Salina Begum	01718349299	
	Mamudpur Govt.Primary School	Golom Mowla	01724274195	
	Vanda Makorkhal Govt.Primary School	Md. Sahib Uddin	01716042179	
	Molinogor Govt.Primary School	Abules	01728187849	
	Shermostompur Govt.Primary School	Hiraman Akter	01723260381	
	Mosalgat Govt.Primary School	Sojol kanti Roy	01712402499	
	Sreepur Govt.Primary School	Jakir hossen	01713807331	
	Kaminipur Govt.Primary School	Golam Mostofa	01742980787	
	Modnakandi Govt.Primary School	Sudansu roy	01737656587	
	Sonapur Govt.Primary School	kripash Ranjon sondi	01735103930	
	Sorifpur Allipur Govt.Primary School	Gopal Chando das	01928500981	
	Horipur Govt.Primary School	Sreekanto Talukder	01738070640	
	Rangamati Govt.Primary School	wajol Islam	01720527083	
	Hijla Govt.Primary School	Surinjit Talukder	01724065564	
	Abdur Rahamah Govt.Primary School	Archona Rani devnath	01728375539	
	Tilki Govt.Primary School	Dilip Chanro pal	01729471231	

	Tagoriya Govt.Primary School	Prite rani Somosto	01738350667	
	Vati Dolotpur Govt.Primary School	Bekash Chando Talukder	01736386742	
	Azor Alli Govt.Primary School	Sahada Begum	01733671200	
	Abdul wahed Govt.Primary School	Md. bahauddin	01736362011	
	Kamargaon Govt.Primary School	Motinrolal Sarkar	01733700632	
	jamalgonj Model High School	Lutfur Rahaman	01716068921	
	Jamalgonj Garils High School	Bidan Chokroborti	01720600958	
	Vimkhale High School	Toyobur Rahaman	01720146372	
	Sasna Bazar High School	Promot gosh	01720147770	
	Nobin Chonro High School	Vopenro Chonro das	017124403438	
	Beheli High School	Roti Purkaysto	01710705957	
	Allauddin Memorial High School	Md.Twofiq Miha	01718661108	
GO/NGO Institutes	Upazila Kindergaten	S.M.Sopi kamal Upazila Nirbahi Officer	01717123106	
	Upazila youth Devolapment Officer	Md.Mamodul Islam program inplements Officer	01718112705	
	Upazila Land Officer	Md.Mamodul Islam program inplements Officer	01718112705	
	jamalgonj Model High School	Lutfur Rahaman	01716068921	
UP Bhaban	Sachna Bazar Union Parishad Bhaban	Md. Rezaul Karim Shamim	01717310037	
High roads	97 k.m paka Road	Md. Abdur Sotter Talukder Upazila Engineering Officer	01716043885	

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 responsibilities 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 overalll 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 (Paracitamol/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 pragnent 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 activites 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.

Maintanance of shelter center :

- Each shelter center will maintain properly and keep neat and cleanspecially.
- 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 Upazila (which may be used during Disaster)

Infructation	Number	Responsible person	Short brief
School cum shelter	47	Md. Mahmudul Islam PIO, Jamalganj	01718112705
Godown	1	Md. Golam Awlia Upazila Food controller	01717189511
Boat	2	S.M. Shafi Kamal Upazila Nirbahi Officer, Jamalganj	01717123106
Earth place (Matir Killa)	1	Md. Sirajul Hoque Talukder, Chairman, Beheli Union Parishad	01711012632
Car	1	Md. Mahmudul Islam PIO, Jamalganj	01718112705
Speed Boat	1	S.M. Shafi Kamal Upazila Nirbahi Officer, Jamalganj	01717123106

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 5 union
	Jamalganj Sadar	Beheli	Sachna Bazar	Fenarbak	Vimkhali	
Annual tax on homestead	730,000	62,000	55,800	180,000	65,322	1,093,122
Tax on Businss, occupation, livelihood (Trade licence)	-	-	-	3,000	-	3,000
License issue and license permit by UP	120000	79,000	98,000	18,000	58,400	373,400
Leasing (hat, bazar, ghat, pond, khoar uzara etc.	Hat, bazar lease- 200,000 ghat lease 30,000 khoar lease 2,000	Hat, bazar lease- 18,000 ghat lease- 2,000 khoar lease- 3,500	Hat, bazar lease- 15,800 khoar lease- 2,800	Hat, bazar lease- 56,000 khoar lease- 2,000	54,625	386,725
Tax on motorbike except vehicle	26,000	15,000	-	1,500	-	42,500
Income from resource	-	-	-	-	-	-
General fund of UP	-	-	20,000	-	131,761	151,761
Others	-	-	-	-	-	-

Govt. donation
Development Sector

Nature of items	Annual income					Total 5 union
	Jamalganj Sadar	Beheli	Sachna Bazar	Fenarbak	Vimkhali	
Agriculture	6,342,741	5,327,000	5,607,000	5,940,000	1,435,412	24,652,153
Health & Sanitation						
Road construction and reparing						
House build and reparing						
Development support fund (LGSP)	2,000,000	1,200,000	1,322,371	1,790,000	43,090	6,355,461

Establishment:

Honorarium of UP chairman and member (Monthly)

Chairman (5) each govt. 1750/= and UP 1750/=

Members of UP (60), each govt. 1050/= and UP 950/-

Secretary (5 person) each govt. 4425/= and UP 1475/-

Dafadar (5 union) each 2100/=

Village police (5 union) each 2100/=

Others

Land transfer tax (1%)

c) Local government

Nature of items	Annual payable					Total 5 union
	Jamalganj Sadar	Beheli	Sachna Bazar	Fenarbak	Vimkhali	
Upazila parishad	397,000	325,000	1530,000	-	7373098	9625098
Zila parishad	-	-	-	-	-	-

d) Non-government development organization

Nature of items	Annual payable					Total 5 union
	Jamalganj Sadar	Beheli	Sachna Bazar	Fenarbak	Vimkhali	
DASCOH	2,000,000	1,900,000	2,000,000	2,200,000	2,100,000	10,200,000
CNRS (Sharik)	70,000	35,000	30,000	500,000	-	635,000

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.	Alhaz Samsul Alam Talukder (Jhunu Mia)	Chairman, Jamalganj Upazila	01716345185
2.	Md. Mahmudul Islam	Project Implementation Officer, Jamalganj	01718112705
3.	Ajit Kumar Chowdhury	Upazila Coordinator, Jamalganj, CMDRR Project, VARD	01717118225
4.	Arju Mia	General member	01736791404
5.	Md. Kamrul Islam	General member	01717491262

Plan implementation and maintenance committee

Sl. No.	Name	Designation	Mobile No.
1.	Alhaz Samsul Alam Talukder (Jhunu Mia)	Chairman, Jamalganj Upazila	01716345185
2.	Ayesha Siddika	Women UP Member, Jamalganj Sadar Union Parishad	01753598549
3.	Md. Mahmudul Islam	Project Implementation Officer, Jamalganj	01718112705
4.	Sudhangshu Talukder	Office Assistant, DPHE, Jamalganj	01714913549
5.	Rabindra Kumar Das	General member	01721657021
6.	Abdul Ali	General member	0174971132
7.	Ajit Kumar Chowdhury	Upazila Coordinator, Jamalganj, CMDRR Project, VARD	01717118225

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	Description
Agriculture	<p>There are 29231 hector lands in Jamalganj upazila. Among these cultivatable land is 27050 hectors and uncultivated land is 2181 hectors. Among cultivatable lands mono crops land 22950 hectors, two crops 4100. But there is no tri crops land here. There are 16456 persons lives on agriculture. Besides, homesteads lands are in total 3000 hectors. Main crops of this Upazila are paddy- boro, aus and amon, potato, wheat, chili, mustered, nuts, vegetables etc. Due to climate change in future, frequent flash floods, seasonal floods, Norwest hit, river erosion and draught may occur in this upazila and its coverage may increased. Agriculture sector may have huge damage from this. In future in Jamalganj upazila, union wise different disaster damage trend are follows;</p> <ul style="list-style-type: none"> ▪ In future, in Beheli Union of Jamalganj Upazila may damage flash flood 4310 hector boro crop, seasonal flood approximately 45 hector amon crops, Kalboishakhai Jhar approximately 5 hector boro crops and draughts approximately 235 hector boro crops. At all due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation. ▪ In future, in Bhimkhali Union of Jamalganj Upazila may damage flash flood 3397 hector borocrop, seasonal flood approximately 48 hector amon crops, Kalboishakhai Jhar approximately 02 hector boro crops and draught approximately 293 hector boro crops. At all due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation. ▪ In future, in Fenarbak Union of Jamalganj Upazila may damage flash flood 7279 hector boro crop, seasonal flood approximately 52 hector amon crops, Kalboishakhai Jhar approximately 06 hector boro crops and draughts approximately 301 hector boro crops. As a whole due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation. ▪ In future, in Jamalganj sadar Union of Jamalganj Upazila may damage flash flood 6210 hector boro crop, seasonal flood approximately 52 hector amon crops, river erosion -14 hectors crops, Kalboishakhai Jhar approximately 7 hector boro crops and draughts approximately 342

Sectors	Description
	<p>hector boro crops. As a whole due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation.</p> <ul style="list-style-type: none"> ▪ In future, in Sachna Bazar Union of Jamalganj Upazila may damage flash flood 4320 hector boro crop, seasonal flood approximately 46 hector amon crops, river erosion 25 hectors crops, Kalboishakhai Jhar approximately 3 and draughts 417 hector boro crops. As a whole due to climate change in future in this union boro and amon paddy production may reduce largely. Besides, due to draught huge land may be out of cultivation.
Fisheries	<p>There are 10 rivers, 49 canals, 95 beels, 265 ponds, and 93 water bodies in Jamalganj Upazila. There are 8754 fishermen here. In future, frequent flash floods , seasonal floods, Norwest hit, river erosion, water logging may occur in this upazila and its coverage may 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 through “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. In future in Jamalganj upazila, union wise different disaster damage trend on fisheries are follows;</p> <ul style="list-style-type: none"> ▪ In future, in Beheli union of Jamalganj Upazila flash flood may damage fisheries in 11 ponds. As a whole due to climate change in future in this union fish production may reduce severely. ▪ In futurein Bhimkhali union of Jamalganj Upazila flash flood may damage fisheries in 9 ponds. As a whole due to climate change in future in this union fish production may reduce severely. ▪ In future, in Fenarbak union of Jamalganj Upazila flash flood may damage fisheries in 14 ponds. As a whole due to climate change in future in this union fish production may reduce severely. ▪ In future, in Jamalganj union of Jamalganj Upazila flash flood may damage fisheries in 6 ponds. As a whole due to climate change in future in this union fish production may reduce severely.

Sectors	Description
	<ul style="list-style-type: none"> ▪ In future, in Sachna Bazar union of Jamalganj Upazila flash flood may damage fisheries in 12 ponds. As a whole due to climate change in future in this union fish production may reduce severely. ▪
Livestock	<p>The main livestock in Jamalganj Upazila cow, goat, sheep, duck, hen, birds, buffalo etc. There are 47885 cows, goat-3578, sheep-7699, poultry birds-412938 and buffalo-175 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 cased death of cattle and birds. Again due to water logging cattle food crisis begin and different types of cattle diseases breakout.</p>
Trees & plants	<p>There are 30 KM stripe garden i.e. social forest in Jamalganj Upazila. In this forest there are , tick, kadam, akashmony, raintree, chakarashi, etc trees. There are 8 hisal 7 korose forest totaling 7.75 acres land by the non government organization- CNRS. Besides, community peoples initiate forests around their homes and in the homesteads. Diffewrent disaster like seasonal floods, river erosion, thunderstorm, Kalboishakhi Jhor etc. damage trees and plants. Besides, open trees destroy is the main cause of imbalance of the environment. In future, frequent flash floods , seasonal floods, river erosion, Norwest hit etc may occur 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 Jamalganj upazila, union wise different disaster damage trend are follows;</p> <ul style="list-style-type: none"> ▪ In future, in Beheli union of Jamalganj Upazila flash flood may damage 170 tree & plants, seasonal floods -132 trees & plants and Norwest hit -150 trees & plants. ▪ In future, in Bhimkhali union of Jamalganj Upazila flash flood may damage 110 tree & plants, seasonal floods -201 trees & plants, and Norwest hit -102 trees & plants. ▪ In future, in Fenarbak union of Jamalganj Upazila flash flood may damage 220 tree & plants, seasonal floods -351 trees & plants, and Norwest hit -113 trees & plants. ▪ In future, in Jamalganj union of Jamalganj Upazila flash flood may damage 120 tree & plants, seasonal floods -120 trees & plants, river erosion -157 trees and Norwest hit -200 trees & plants. ▪ In future, in Sachna Bazar union of Jamalganj Upazila

Sectors	Description
	flash flood may damage 97 tree & plants, seasonal floods -168 trees & plants, river erosion 149 trees and plants and Norwest hit -185 trees & plants.
Health	<p>There are Upazila Health Complex-1, community clinics-16 and union sub-center -01 in ther Upazila. There is no private health center. Upazila health & family welfare center is in Jamalganj sadar union. There are 5 doctors and 5 nurses in this upazila health & family welfare center. Health sector hampered in Jamalganj Upazila due to flash flood, seasonal flood, Norwest hit, river erosion, water logging etc. In future, frequent flash floods , seasonal floods, river erosion, draughts and Norwest hit 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 Norwest hit and thunder storm peoples may be injured and death case may be occurred. Due to the climate change in future in Jamalganj upazila, union wise different disaster damage trend are follows;</p> <ul style="list-style-type: none"> ▪ In future, in Beheli union of Jamalganj Upazila among 19320 population 1.7% may suffer from diarrhea, 0.8% (children) may suffer pneumonia, 1.0 % may suffer from Tipoyet, 1.5% may suffer from dysentery, 2% may suffer from Jhondish, 3.7% may suffer from skin diseases, and 2.1% may suffer different viral diseases. Besides, 1.9 % peoples may suffer from Jhondish due to draughts . As a result each and every family in this union may have different loses including economic insolvency. ▪ In future, in Bhimkhali union of Jamalganj Upazila among 32847 population 0.7% may suffer from diarrhea, 1.0% (children) may suffer pneumonia, 0.8 % may suffer from Tipoyet, 1% may suffer from dysentery, 2.1% may suffer from Jhondish, 2% may suffer from skin diseases, and 2% may suffer different viral diseases. Due to draughts among 32847 population 2 % peoples may suffer from Jhondish. As a result each and every family in this union may have different loses including economic insolvency. ▪ In future, in Fenarbak union of Jamalganj Upazila among 37440 population 2.2% may suffer from diarrhea, 1% (children) may suffer pneumonia, 3 % may suffer from Tipoyet, 1.8% may suffer from dysentery, 2.1% may suffer from Jhondish, 3.8% may suffer from skin diseases, and 3% may suffer different viral diseases. Besides, 1.5 % peoples may suffer from Jhondish due to draughts. As a result each and every family in this union may have different loses including economic insolvency.

Sectors	Description
	<ul style="list-style-type: none"> ▪ In future, in Jamalganj union of Jamalganj Upazila among 51606 population 2.3% may suffer from diarrhea, 0.6% (children) may suffer pneumonia, 2.1 % may suffer from Tipoyet, 2.5% may suffer from dysentery, 3% may suffer from Jhondish, 1.2% may suffer from skin diseases, and 2.9% may suffer different viral diseases. Besides, 0.2 % peoples may suffer from Jhondish due to draughts. As a result each and every family in this union may have different loses including economic insolvency. ▪ In future, in Sachna Bazar union of Jamalganj Upazila among 26049 population 1.4% may suffer from diarrhea, 0.9% (children) may suffer pneumonia, 1.1 % may suffer from Tipoyet, 1.3% may suffer from dysentery, 1.8% may suffer from Jhondish, 2.1% may suffer from skin diseases, and 2% may suffer from different diseases including viral fever. Besides, 2 % peoples may suffer from Jhondish due to draughts. As a result each and every family in this union may have different loses including economic insolvency.
Livelihoods	<p>Main livelihood options in Jamalganj Upazila are agriculture, fisharies, day labor, business, etc. There are total 16456 farmers, 8754 fishermen, 19844 day-labor and 5685 businessmen. Flash flood, seasonal flood, Norwest hit, river erosion, water logging etc. disaster in this Upazila occurs frequently and as a result peoples livelihoods hampered due to the increased dimension of disasters. That is why scope of employment decrease and agriculture production hampered which influence people's livelihood negatively. In future, frequent flash floods , seasonal floods, river erosion, draughts, thunderstorm and Norwest hit 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. In future, in Jamalganj upazila, union wise different disaster damage trend are follows;</p> <ul style="list-style-type: none"> ▪ In future, in Beheli union of Jamalganj Upazila, in case of flash flood 2475 farmer, 127 fishermen, 821 day labor may be affected. In seasonal flood 1113 farmers, 1314 day labor and 90 businessmen may be affected. In Kalboishakhai Jhar 527 farmers, 492 day labor and 27 businessmen may be affected. Due to draughts 1933 farmers, and 106 day labor may be affected. ▪ In future, in Bhimkhali union of Jamalganj Upazila, in case of flash flood 1080 farmer, 75 fishermen, 114 day labor may be affected. In seasonal flood 513 farmers, 573 day labor and 55 businessmen may be affected. In

Sectors	Description
	<p>Kalboishakhai Jhar 641 farmers, 587 day labor and 17 businessmen may be affected. In droughts 1410 farmers, 215 day labor may be affected.</p> <ul style="list-style-type: none"> ▪ In future, in Fenarbak union of Jamalganj Upazila, in case of flash flood 2330 farmer, 673 fishermen, 2027 day labor may be affected. In seasonal flood 2031 farmers, 2605 day labor and 20 businessmen may be affected. In Kalboishakhai Jhar 632 farmers and 695 day labor and 35 businessmen may be affected. In droughts 2320 farmers and 177 day labor may be affected. ▪ In future, in Jamalganj union of Jamalganj Upazila, in case of flash flood 2230 farmer, 192 fishermen, 1740 day labor may be affected. In seasonal flood 890 farmers, 1992 day labor and 112 businessmen may be affected. Due to river erosion 50 farmers and 110 day labor and 8 businessmen may be affected. In Kalboishakhai Jhar 267 farmers and 249 day labor may be affected. In droughts 1003 farmers, and 153 day labor may be affected. ▪ In future, in Sachna Bazar union of Jamalganj Upazila, in case of flash flood 1435 farmer, 75 fishermen, 1086 day labor may be affected. In seasonal flood 746 farmers, 1397 day labor and 115 businessmen may be affected. Due to river erosion 358 farmers and 34 day labor and 5 businessmen may be affected. In Kalboishakhai Jhar 1044 farmers, 776 day labor and 17 businessmen may be affected. In droughts 1641 farmers, and 356 day labor may be affected.
Water	<p>The main sources of drinking water in this upazila are tube well, rivers, canal, beels and ponds. There are a total of 1,364 tube wells in this upazila. Among them, 1297 tube wells are active and 67 tube wells are inactive. 707 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, 40% people of Jamalganj upazila use tube well water. In future, frequent flash floods, seasonal floods, river erosion, water logging etc. may occur in this upazila and its smash up may be increased. Tub-well may be affected seriously from these. Besides, as a result of climate change under ground water level may be higher day by day. As a result scarcity of drinking water may be happened. Due to the different disaster in Jamalganj upazila, union wise affect trend are follows;</p> <ul style="list-style-type: none"> ▪ In future, in Beheli union of Jamalganj Upazila, in case of seasonal flood 128 tub-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

Sectors	Description
	<p>various types of water borne diseases.</p> <ul style="list-style-type: none"> ▪ In future, in Bhimkhali union of Jamalganj Upazila, in case of seasonal flood 102 tube well. 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 Fenarbak union of Jamalganj Upazila, in case of seasonal flood 112 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 Jamalganj union of Jamalganj Upazila, in case of seasonal flood 182 tub-wells and due to river erosion 12 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 Sachna Bazar union of Jamalganj Upazila, in case of seasonal flood 75 tube wells and river erosion 15 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.
Infrastructure	<p>There are 142.5 KM embankment, 275.8 MK roads, 5 bridge, 169 culverts, 22578 houses, 179 schools and 202 religious institutes in Jamalganj Upazila. Different disasters like flash flood, seasonal flood, thunderstorm, river erosion, Kalboishakhai jhor, draughts etc. caused damage in different types of infrastructures like embankment, roads, bridges, culvert, education and religious institutes, houses etc. In future, frequent flash floods, seasonal floods, river erosion, river erosion, draughts etc. 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 damage and it may be huge in future. In future, due to the different disaster in Jamalganj upazila, union wise affect trend are follows:</p> <ul style="list-style-type: none"> ▪ In future, in Beheli union of Jamalganj Upazila in flash flood 7.5 KM embankment, 19 KM roads (partial), 1352 home & homestead, 13 educational institutes and 04 religious institutes may be affected. In seasonal flood 25 KM embankment, 09 KM roads (partial), 35 home & homestead, 06 educational institutes, 15 religious institutes may be affected. Due to Kalboishakhai Jhar 45 home & homestead (partial), 3 educational institutes, 05

Sectors	Description
	<p>religious institutes, 2 electric filler etc may be affected.</p> <ul style="list-style-type: none"> ▪ In future, in Bhimkhali union of Jamalganj Upazila in flash flood 3.5 KM embankment, 13 KM roads (partial), 182 home & homestead, 11 educational institutes and 17 religious institutes may be affected. In seasonal flood 22 KM embankment, 1.5 KM roads (partial), 32 home & homestead, 6 educational institutes, 17 religious institutes may be affected. Due to Kalboishakhai Jhar 21 home & homestead (partial), 5 educational institutes, 04 religious institutes, 1 electric filler etc may be affected. ▪ In future, in Fenarbakunion of Jamalganj Upazila in flash flood 17.75 KM embankment, 23 KM roads (partial), 1973 home & homestead, 17 educational institutes and 35 religious institutes may be affected. In seasonal flood 40 KM embankment, 9 KM roads (partial), 45 home & homestead, 10 educational institutes, 22 religious institutes may be affected. Due to Kalboishakhai Jhar 28 home & homestead (partial), 7 educational institutes, 12 religious institutes, 2 electric filler may be affected. ▪ In future, in Jamalganj union of Jamalganj Upazila in flash flood 9.5 KM embankment, 25 KM roads (partial), 1895 home & homestead, 20 educational institutes and 32 religious institutes may be affected. In seasonal flood 35 KM embankment, 13 KM roads (partial), 48 home & homestead, 5 educational institutes, 10 religious institutes may be affected. Due to river erosion 32 houses (partial) 1.0 KM roads (partial) may be affected. In Kalboishakhai Jhar 52 home & homestead (partial), 7 educational institutes, 5 religious institutes, etc may be affected. ▪ In future, in Sachna Bazar union of Jamalganj Upazila in flash flood 11 KM embankment, 14 KM roads (partial), 1095 home & homestead, 10 educational institutes and 15 religious institutes may be affected. In seasonal flood 20.0 KM embankment, 5.0 KM roads (partial), 43 home & homestead, 5 educational institutes, 12 religious institutes may be affected. In river erosion 58 houses (partial) and 1.5 KM roads (partial) may be affected. In Kalboishakhai Jhar 18 home & homestead (partial), 4 educational institutes, 06 religious institutes, and 3 electric pole etc may be affected.

5.2 Hastily Recover

5.2.1 Administrative Resettlement

Sl. No.	Name	Designation	Mobile No.
1.	S.M. Shafiq Aman	Upazilla Nirbahi Officer (UNO)	01717123106
2.	Muhammad Rashid Ahmed	Upazilla Vice Chairman	01712331682
3.	Foyezul Alam Mohan	Chairman, 2 no. Jamalganj UP	01717930710

5.2.2 Clean ruin/wreck

Sl. No.	Name	Designation	Mobile No.
1.	Nehar Rani Chowdhury	Upazilla Ansar and VDP Officer	01754339063
2.	Md. Muzammel Hossain Bhuiyan	Upazilla Rural Development Officer (BRDO)	01672126062
3.	Ayesha Siddika	Reserve Woman Member, Jamalganj Sadar UP	01753598549

5.2.3 Re-start Public Service

Sl. No.	Name	Designation	Mobile No.
1.	Mrs. Hafiza Akter(Dipu)	Upazilla Mohila Vice Chairman	01732863281
2.	Md. Harun Ar Rahid	Upazilla Social Welfare Officer	01711459899
3.	Md. Shirajul Haque Talukder	Chairman, 1 no. Beheli UP	01711012632

5.2.4 Emergency Livelihood Support

Sl. No.	Name	Designation	Mobile No.
1.	Md. Mahmudul Islam	Project Implementation Officer(PIO)	01718112705
2.	Md. Gulam Awlia	Upazilla Food Control Officer (UFO)	01717189511
3.	Md. Jamal Uddin	Upazilla Livestock Officer	01711664009

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.	

Upazila Disaster Management Committee, Jamalganj

Sl. No.	Name	Designation	Member	Mobile No.
1.	Alhaz Shamsul Alam Talukder	Upazilla Chairman	President	01716345185
2.	S.M. Shafi Kamal	Upazilla Nirbahi Officer (UNO)	Co. Chair Person	01717123106
3.	Md. Mahmudul Islam	Project Implementation Officer(PIO)	Member Secretary	01718112705
4.	Muhammad Rashid Ahmed	Upazilla Vice Chairman	Member	01712331682
5.	Mrs. Hafiza Akter (Dipu)	Upazilla Mohila Vice Chairman	Member	01732863281
6.	Md. Shirajul Haque Talukder	Chairman, 1no. Beheli UP	Member	01711012632
7.	Foyzul Alam Mohan	Chairman, 2 no. Jamalganj UP	Member	01717930710
8.	Md. Motiur Rahman	Chairman, 4 no. Fenerbak UP	Member	01712819856
9.	Md. Rezaul Karim Shamim	Chairman, Shasna Bazar UP	Member	01717310037
10.	Md. Abdul Mannan Talukder	Chairman, 5 no. Vimkhali UP	Member	01716165011
11.	Md. Emdad Hossain Sheikh	Upazilla Agriculter Officer (UAO)	Member	01717249214
12.	Dr. Mohsin Ali Fakir	Upazilla Health and Family Planning Officer (UHFPO)	Member	01719535442
13.	Md. Jamal Uddin	Upazilla Livestock Officer	Member	01711664009
14.	Md. Muzammel Hossain Bhuiyan	Upazilla Rural Development Officer (URDO)	Member	01672126062
15.	Md. Kamrul Hasan	Upazilla Fisheries Officer (UFO)	Member	01918733422
16.	Md. Nurul Alam Bhuiyan	Upazilla Education Officer (UEO)	Member	01757816175
17.	Md. Abdus Sattar Talukder	Upazilla Engineer	Member	01716043885
18.	Md. Harun Or Rahid	Upazilla Social Welfar Officer	Member	01711459899
19.	Md. Juel Rana	Upazilla Statisticks	Member	01756360008

Sl. No.	Name	Designation	Member	Mobile No.
20.	Md. Gulam Awlia	Upazilla Food Control Officer (UFO)	Member	01717189511
21.	Md. Atiqur Rahman	Officer In Charge (Police)	Member	01713374426
22.	Md. Abdur Rob Sarkar	Upazilla Sub-Assistant Engineer (Public Health)	Member	01714913549
23.	Md. Mahfuzur Rahman	Upazilla Youth Development Officer	Member	01711013317
24.	Md. Abul Kalam Farazi	Upazilla Co-operative Officer	Member	01741203194
25.	Md. Lutfullahil Shafi	Upazilla Secondary Education Officer	Member	01712141070
26.	Md. Ashraf Ali	Upazilla Woman Affairs Officer	Member	01930247293
27.	Nehar Rani Chowdhury	Upazilla Ansar and VDP Officer	Member	01754339063
28.	Ayesha Siddika	Reserve Woman Member, Jamalganj Sadar UP	Member	01753598549
29.	Mrs. Rawshon Ara	Reserve Woman Member, Shasna Bazar UP	Member	01750237421
30.	Rokhsana Begum	Reserve Woman Member, Fenarbak UP	Member	01771925645
31.	Selina Akter	Reserve Woman Member, Beheli UP	Member	01774391327
32.	Ajit Kumar Chowdhury	Upazilla Coordinator, VARD	Member	01717118225
33.	Md. Habibur Rahman	Principal, Jamalganj Degree College	Member	01718107078
34.	Bidhan Chakrabarti	Head Master, Jamalganj Girls High School.	Member	01720600958
35.	Anjon Purkayostho	President, Press Club	Member	01727885802
36.	Lutfur Rahman	Head Master, Jamalganj Model High School	Member	0171608921
37.	Md. Gulam Mortuja	Principal, Jamalganj	Member	

Sl. No.	Name	Designation	Member	Mobile No.
		Kindergarten		
38.	Wadud Faisal Chowdhury	PM, Idea	Member	01718365449

Annexure 3

List of Union Volunteers (Beheli)

Sl. No.	Name	Name of Father/Husband	No. of Ward	Training	Mobile No.
1.	Golam Rabbani	Abdul Kader	Ahsanpur-01	Yes	
2.	Mrs. Jolna Talukder	Bikash Talukder	Horipur-01	Yes	
3.	Jibon Krishno Talukder	Late Upandro Talukder	Mondakandi-02	Yes	
4.	Lokkhi Roy	Shujit Roy	Durgapur-02	Yes	
5.	Debnath Chowdhury	Late Shuresh Chowdhury	Jotindrapur-03	Yes	01915363111
6.	Nioti Talukder	Poritush	Ulukandi-03	Yes	
7.	Nigendro Pal	Late Norshingho Pal	Bodorpur-04	Yes	
8.	Beauti Pal	Shubol Pal	Bodorpur-04	Yes	
9.	Chandon Roy	Late Birendro Roy	Rahimpur-05	Yes	
10.	Triipti Roy	Late Shashanko Roy	Rahimpur-05	Yes	01722673752
11.	Abul Hossain	Late Abdul Hashim	Horinagar-06	Yes	01724381008
12.	Shurbala	Gobordhon Das	Putia-06	Yes	
13.	Poltu Das	Proholad Das	Beheli-07	Yes	01713340920
14.	Papri Talukder	Poresh Talukder	Moshalgahat-07	Yes	01711300626
15.	Mst. Sufia Akter	Benu Miah	Islampur-08	Yes	
16.	Md. Akai Hossain	Md. Wafiz Miah	Islampur-08	Yes	01739717160
17.	Abdur Rahman	Abdul Jabbar	Shibpur-09	Yes	
18.	Mst. Mazeda	Zahur Ali	Radhanagar-09	Yes	01726610262

List of Union Volunteers (VimKhali)

Sl. No.	Name	Name of Father/Husband	No. of Ward	Training	Mobile No.
1.	Delwar Hossain	Abdul Haque	Selaia-01	Yes	
2.	Mst. Safia Begum	Mashuk Miah	Mahmudpur-01	Yes	
3.	Md. Muktadir	Abdul Mannan	Chander nagar-02	Yes	
4.	Mst. Hasina Begum	Abdul Jabbar	Teranagar-02	Yes	
5.	Shulekha Rani	Late Bakul Miah	Uzzalpur-03	Yes	
6.	Md. Shobuj Miah	Aakbor Ali	Sripur-03	Yes	
7.	Mst. Nehar Akter	Abdul Motin	Mowlinagar-04	Yes	
8.	Aiyub Ali	Late Zahur Ali	Chanbari-04	Yes	
9.	Abul Kashem	Anjob Ali	Noagao n-05	Yes	
10.	Mst. Hosnehar	Mojibur Rahman	Jalalabaj-05	Yes	
11.	Mst. Asea Begum	Nazir Ali	Bisna-06	Yes	
12.	Md. Babul Miah	Fazlul Haque Chowdhury	Mirzapur-06	Yes	
13.	Abdul Kayum	Late Razob Ali Talukder	Kamlabaj-07	Yes	
14.	Mst. Rezia Begum	Giash Uddin	Kamlabaj-07	Yes	
15.	Mst. Azizun Nessa	Mojumder Miah	Rajabad-08	Yes	
16.	Md. Ahad Miah	Jomir Ali	Hugli-08	Yes	
17.	Abdul Kuddus	Chamak Ali	Mollikpur-09	Yes	
18.	Parboti	Jogendro	Mollikpur-09	Yes	

List of Union Volunteers (Shachna Bazar)

Sl. No.	Name	Name of Father/Husband	No. of Ward	Training	Mobile No.
1	Haidul Islam	Aroz Ali	Radhanagar-01	Yes	01717267547
2	Mst. Bilkis	Sultan Uddin	Rangamati-01	Yes	
3	Umor Gani	Late Jafor Ali	Shukdebpur-02	Yes	
4	Mst. Morium Begum	Shofiul Islam	Shukdebpur-02	Yes	
5	Mst. Tamanna	Umor Ali	Ramnagar-03	Yes	
6	Mst. Jannatun Nahar	Sultan Uddin	Ramnagar-03	Yes	
7	Mst. Rufeja Begum	Ashiq Nur	Rupabali-04	Yes	01719820139
8	Md. Rahim Miah	Lal Miah	Shujatpur-04	Yes	01719373698
9	Mst. Nargis Akter	Abdur Rashid	Fazilpur-05	Yes	
10	Md. Abdus Salam	Shona Ullah	Nurpur-05	Yes	
11	Mst. Fatema Akter	Late Siddiq Ali	Durlobpur-06	Yes	01726925780
12	Mst. Moyful	Shirazul Haque	Durlobpur-06	Yes	01721424728
13	Mst. Aleya	Abdul Mutaleb	Shasna Bazar-07	Yes	01725298893
14	Shobuj Miah	Late Dhonu Miah	Mafiznagar-07	Yes	
15	Mst. Manoara Begum	Abdul Jalil	Horihorpur-08	Yes	
16	Rezaul Karim	Late Kapil Uddin	Kukraporhi-08	Yes	
17	Mst. Kaitunesa	Abdur Rahim	Folokpur-09	Yes	
18	Mst. Faijunur	Aiyub Ali	Folokpur-09	Yes	

Annexure 3

List of Union Volunteers (Jamalganj Sadar)

Sl. No.	Name	Name of Father/Husband	No. of Ward	Training	Mobile No.
01	Mrs. Sahina	Md.Nozrul	Vatilalp ur-01	Yes	-
02	Nure Alom	Ubid Alli	Vatilalp ur-01	Yes	01914382715
03	Mst. Nadira	Md.Azizur Rahaman	Laxmipur-02	Yes	01737091473
04	Anowar Hossen	Moin Uddin	Laxmipur-02	Yes	-
05	Asulata	Nores kor	Durgapur-03	Yes	-
06	Md. Mubarak Hossen	Raza Miha	Chanpur-03	Yes	01714289848
07	Mst. Panna Begum	Akkas Uddin	Nowahalt-04	Yes	01721593298
08	Md.Sakirul	Nasir Uddin	Nowahalt-04	Yes	01734786202
09	Mansa Sarkar	Pintu Sarkar	Teliya-05	Yes	01714727220
10	Md.Masum	Kazi Samsuzzaman	Jamalgonj-05	Yes	01717019253
11	Mst.Mapia	Abdur Sohid	Sasna -06	Yes	-
12	Ajit pal	Anil pal	Sasna-06	Yes	-
13	Mst.Shahina	Yousup Miha	Uttar Kamlabaz -7	Yes	-
14	Md. Attaur	Md.Haris	Uttar Kamlabaz -7	Yes	-
15	Mst.Salama	Alauddin	Kalipur-08	Yes	-
16	Bilal Miha	Md. Ismil	Kalipur-8	Yes	-
17	Mofiz Alli	Saheb Alli	Buiyaha ti	Yes	-
18	Sumitra	Gopal Nat	Hindu Kalipur-9	Yes	-

List of Union Volunteers (Fanarbak)

Sl. No.	Name	Name of Father/Husband	No. of Ward	Training	Mobile No.
01	Uttara Talukder	Anulul Talukder	Nidepur -01	Yes	
02	Dilif Sarkar	Sunil Sarkar	Nidepur -01	Yes	
03	Md.Angur Miha	Late.Abdul Khalak	Kamdorpur-02	Yes	01725960202
04	Mst.Manna Akter	Dloer Hossan	Kamdorpur-02	Yes	
05	Liton Bormon	Nikhil Bormon	Gojariya -03	Yes	01814555770
06	Mst. Parbin	Sodru Miha	Gojariya -03	Yes	
07	Sofikul Islam	Abdul Wahid	Sorifpur -04	Yes	01918771422
08	Mst.Modina Akter	Yousuf Master	Shoyadpur	Yes	
09	Mst.Tohura Akter	Hassem Uddin	Fanarbak-05	Yes	
10	Sujat Miha	Joynal Abidin	Fanarbak-05	Yes	01726609488
11	Mst. Noor Begum	Taher Miha	Razapur -06	Yes	
12	Alim Uddin	Tara Miha	Razapur -06	Yes	01726700376
13	Hafiz Miha	Late.Imam Uddin	Nazim Nogor-07	Yes	
14	Abdur Rohim	Abul Hossan	Hatamara-07	Yes	01726609425
15	Sreedhon	Late.Dhurga Choron	Vatidow lutpur-08	Yes	
16	Mst. Renu Begum	Shahin Miha	Rasulpur-08	Yes	
17	Mst.Miksana	Alkas	Laxmipur-09	Yes	
18	Md. kowser	Golam Amin	Laxmipur	Yes	01717714263

Annexure 4

List of Shelter Management Committee

Soil made Kella (Matir Kella)

Name of Shelter	Responsible Person	Mobile No.	Remarks
Beheli Matir Killa	Md.Sirajul haq Talukder Chairman, 1no Beheli U.P	01711012632	

School cum Shelter

Sl. No.	Name of Shelter	Responsible Person	Mobile No.	Remarks
1.	Beheli Govt.Primary School	Nisindu Ranjon Gosami	0171674262	
2.	Madudpur Govt.Primary School	Fardus Akter	01759331644	
3.	Dhurgapur Govt.Primary School	Mihir Ranjon Talukd.	01714507238	
4.	Horikande Govt.Primary School	Toli Rani talukde r	01740950100	
5.	Hawreya Allipur Govt.Primary School	Tofazzol Hossan	01714487050	
6.	Asanpur Govt.Primary School	Sudangsu Das	01714483602	
7.	Hori Nogor Govt.Primary School	Sindu purkaysto	01726701442	
8.	Bodurpur Govt.Primary School	Protima Rani Das	01712497702	
9.	Nowahat Govt.Primary School	Abdul Gaffer	01748982627	
10.	Lombok Govt.Primary School	Md.Sokoat Alli	01915920439	
11.	Gojariya Chanpur Govt.Primary School	Dinas Chanro das	01745712061	
12.	Sasna Adoroso Govt.Primary School	Biddut joti Chokroborti	01712403953	
13.	Matargawo Govt.Primary School	Prodif Roy	01716466602	
14.	Choyhara Govt.Primary School	Krisnokanto purkaysto	01745612724	
15.	Nidipur Govt.Primary School	Ronto kumar Mojumder	01716870176	
16.	Fanarbuk Govt.Primary School	Alli Hossan	01722213514	
17.	Loxmipur Govt.Primary School	Protiva Das	01729725308	
18.	Razpur Govt.Primary School	Atulo Chunro talukder	01714912103	

19.	Sukdabpur Govt.Primary School	Anupom das	01190750942	
20.	Ramnogur Govt.Primary School	Salina Begum	01718349299	
21.	Mamudpur Govt.Primary School	Golom Mowla	01724274195	
22.	Vanda Makorkhal Govt.Primary School	Md. Sahib Uddin	01716042179	
23.	Molinogor Govt.Primary School	Abules	01728187849	
24.	Shermostompur Govt.Primary School	Hiraman Akter	01723260381	
25.	Mosalgat Govt.Primary School	Sojol kanti Roy	01712402499	
26.	Sreepur Govt.Primary School	Jakir hossen	01713807331	
27.	Kaminipur Govt.Primary School	Golam Mostofa	01742980787	
28.	Modnakandi Govt.Primary School	Sudansu roy	01737656587	
29.	Sonapur Govt.Primary School	kripash Ranjon sondi	01735103930	
30.	Sorifpur Alli pur Govt.Primary School	Gopal Chando das	01928500981	
31.	Horipur Govt.Primary School	Sreekanto Talukder	01738070640	
32.	Rangamati Govt.Primary School	wajol Islam	01720527083	
33.	Hijla Govt.Primary School	Surinjit Talukder	01724065564	
34.	Abdur Rahamah Govt.Primary School	Archona Rani devnath	01728375539	
35.	Tilki Govt.Primary School	Dilip Chanro pal	01729471231	
36.	Tagoriya Govt.Primary School	Prite rani Somosto	01738350667	
37.	Vati Dolotpur Govt.Primary School	Bekash Chando Talukder	01736386742	
38.	Azor Alli Govt.Primary School	Sahada Begum	01733671200	
39.	Abdul wahed Govt.Primary School	Md. bahauddin	01736362011	
40.	Kamargaon Govt.Primary School	Motinrolal Sarkar	01733700632	
41.	jamalgonj Model High School	Lutfur Rahaman	01716068921	
42.	Jamalgonj Garils High School	Bidan Chokroborti	01720600958	
43.	Vimkhale High School	Toyobur Rahaman	01720146372	
44.	Sasna Bazar High School	Promot gosh	01720147770	
45.	Nobin Chonro High School	Vopenro	017124403438	

		Chonro das		
46.	Beheli High School	Roti Purkaysto	01710705957	
47.	Allauddin Memorial High School	Md.Twofiq Miha	01718661108	

GO/NGO Institute

Name of Shelter	Responsible Person	Mobile No.	Remarks
Upazila Kindergaten	S.M.Sopi kamal Upazila Nirbahi Officer	01717123106	
Upazila youth Devolapment Officer	Md.Mamodul Islam program inplements Officer	01718112705	
Upazila Land Officer	Md.Mamodul Islam program inplements Officer	01718112705	
jamalgonj Model High School	Lutfur Rahaman	01716068921	

Roads and Embankments

Name of Shelter	Responsible Person	Mobile No.	Remarks
97 k.m paka Road	Md. Abdur Sotter Talukder Upazila Engineering Officer	01716043885	

Health Management Committee

Name of Health Centre	Responsible Person	Mobile No.	Remarks
Upazila Health Complex	Alhaz Sumsul Alom Talukder(zunu miha) Upazila Chairman Jamalgonj	01716345185	
	S.M.Sopi Kamal Upazila Nirbahi Officer Jamalgonj	01717123106	
	Dr.Mohashin Alli Fokir,UH&FPO Jamalgonj	01719535442	
	Md.Masba Uddin, Elite parson	01717141120	
	Md.Habibor Rahaman. Principal Jamalgonj Digree Collige.	01718107078	
	Anjon purkaysto President Press Club jamalgonj	01727885802	
	Hanif Ahmmad Upazila Co-odinator M.N.H -1	01719894733	

	Md.Abdul Mannan Talukder Chairman, 5no Vimkhali U P	01716165011	
	Ponkoj pal Comaniti Saport Grop	01740952627	

Fire Security Committee

Name of Health Centre	Responsible Person	Mobile No.	Remarks
There is no Fire Station in Jamalgonj	Md. atiqur Rahaman Officer Incharge	01713374426	
	Nahar Rani Chodure. Officer of Uncer VDP Jamalgonj Upazila	01754669063	
	Md. Kamrul Islam Office Ass.	01717491262	

Engine Boats

Name of Union/Ward	Responsible Person	Mobile No.	Remarks
Jamalgonj sadar Union	Md. Mahamudul Islam. Project Implementation Officer.	01718112705	
Jamalgonj sadar Union	Md. Mahamudul Islam. Project Implementation Officer.	01718112705	

Local Businessmen

Name of Union/Ward	Name of Local Businessmen	Mobile No.	Remarks
Jamalgonj sadar Union	Manik Mia	01718073248	
	Fozor Ali	01725333812	

Annexure 5

Jamalganj Upazila at a Glance

Area	338.74 Sqr. km.	Eidgah	23
Upazila	1	Bank	04
Union	5	Post office	06
Mouza	93	Club	62
Village	179	Hat bazar	17
Households	29935	Grave yard	105
Total population	167260	Shoshanghat	34
Male	84612	Poultry farm	22
Female	82648	Power/hand loom	-
Education institutes	180	Deep tubewell	-
Govt. primary school	124	Shallow tubewell	16
Registered primary school	-	Tubewell	1364
High school	10	River	10
College	1	Canal	49
Madrasa (Dakhil, Fazil, Ebtediya)	7	Beel	95
Brac school	36	Haor	05
Kinder garten school	2	Pond	265
Education rate	42%	Wetland	93
Community clinic	16	Fider roads	160.74 km.
Embankment	142.5 km. (5 nos.)	Brick built roads	97.06 km.
Sluice gate	4	HBB roads	18 km.
Bridge	5	Mobile tower	09
Culvert	169	Playing ground	33
Mosque	159	Farmers	16456
Temple	43	Fishermen	8754
Church	-		

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

Annexure-6

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

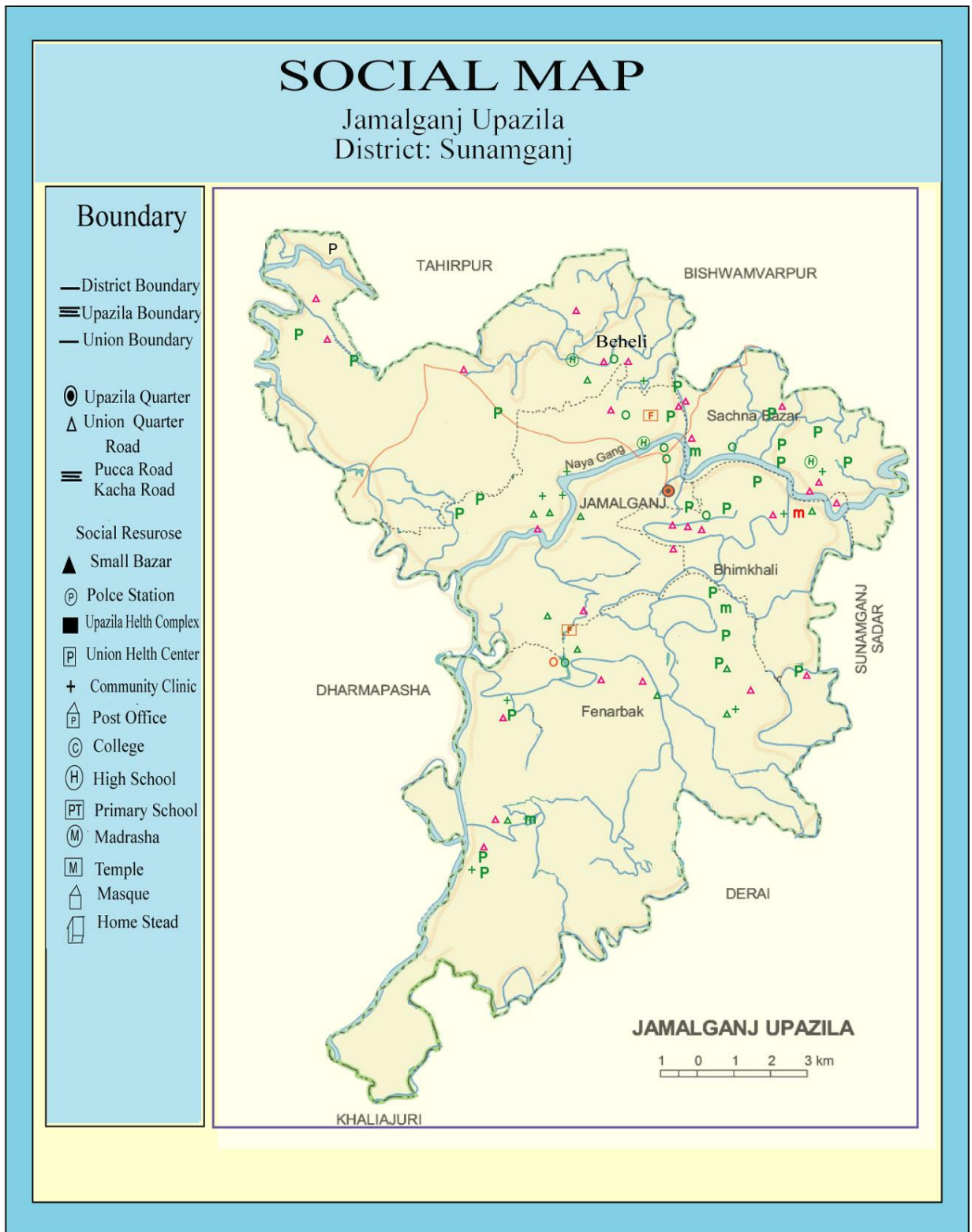
- Weather forecast is broadcasting from all centers at 6.50 PM together.

Some Important Program Schedule of Community Radio.

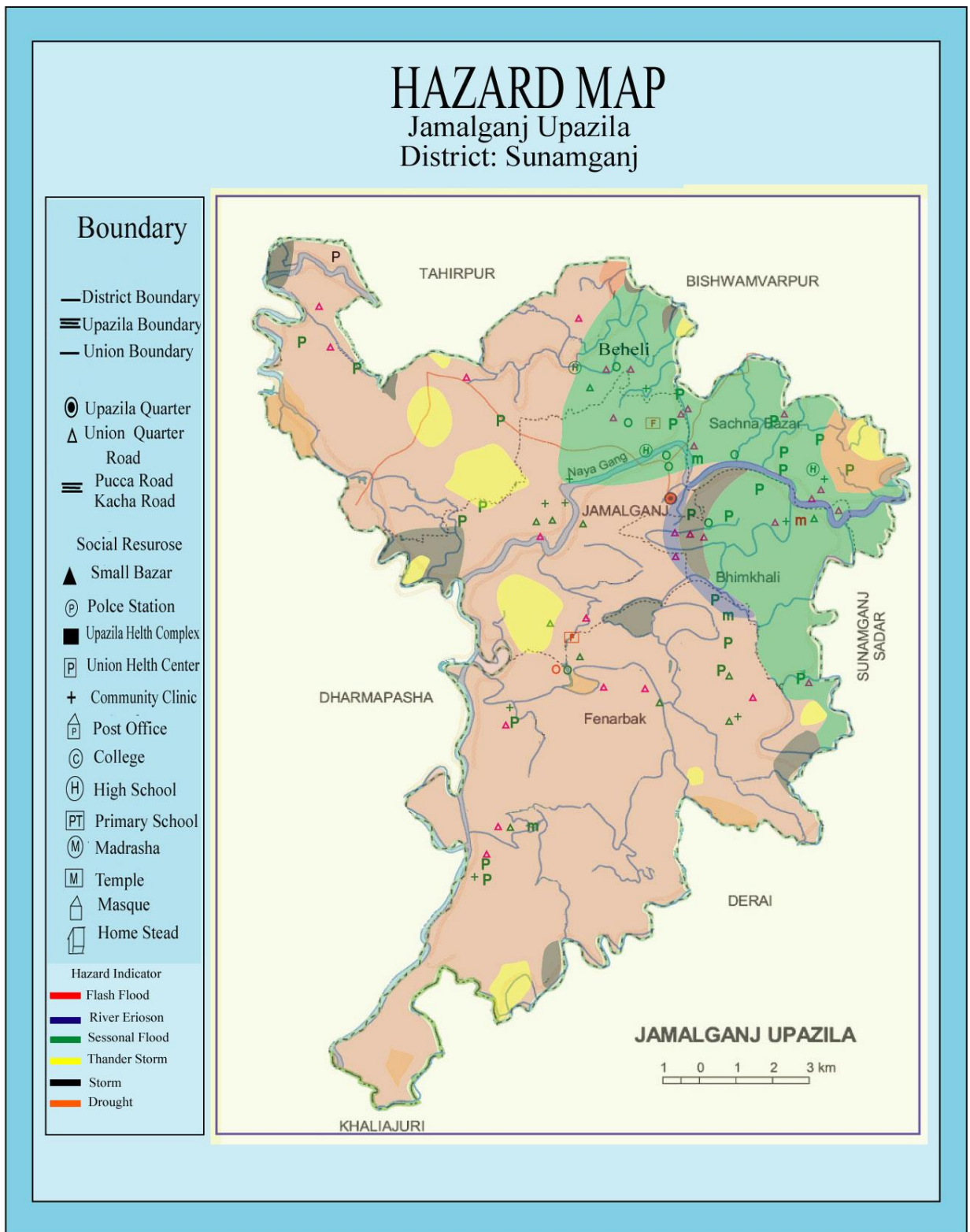
Radio Center	Name of Program	Time	Day

There is no broadcast of Community Radio in Jamalganj upazila.

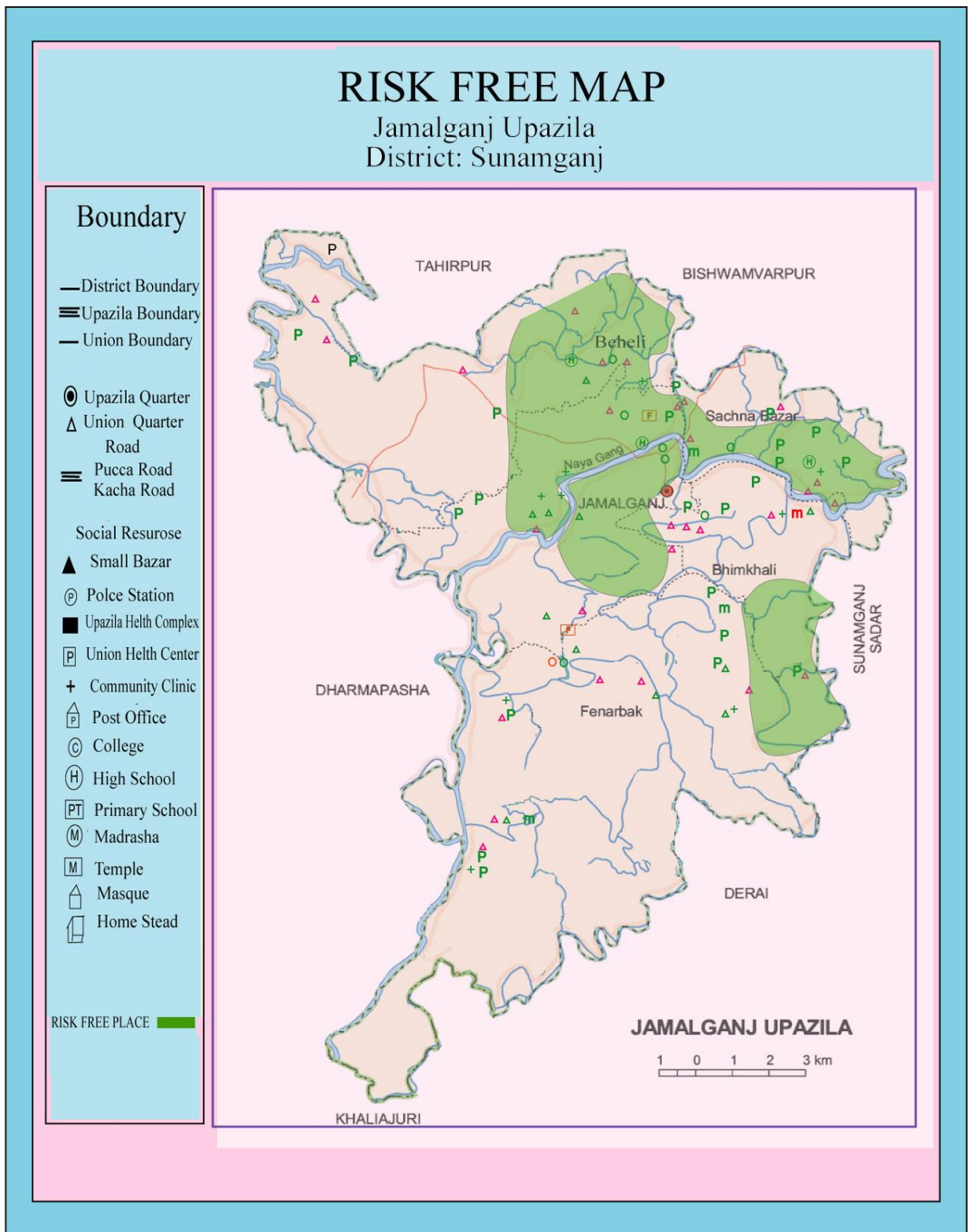
Social Map



Hazard Map



Safe Map



Annexure 10

List of Hat bazar

Sl. No.	Name of Hat bazaar & Place	No.	When hat took place	No. of Shops	No. of Somiti
01	Sachna Bazar	01	Monday	250	01
02	Jamalganj Bazar	01	Monday	70	01
03	Lal Bazar	01	Friday	30	01
04	Chanpur Bazar	01	Wednesday & Saturday	20	01
05	Salimganj Bazar	01	Sunday	100	01
06	Mannan Gat Bazar	01	Sunday	50	01
07	Dorlop pur Bazar	01	Saturday	20	01
08	Ramnogor Bazar	01	Wednesday	30	01
09	Milon Bazar	01	Saturday	25	01
10	Sarmostopur Bazar	01	Tuesday	50	01
11	Gojareya Bazar	01	Sunday	50	01
12	Beheli Bazar	01	Thursday	45	01
13	Loximpur Bazar	01	Saturday	30	01
14	Fanarbuk Bazar	01	Monday	20	01
15	Nowagaon	01	Tuesday	90	01
16	Bimkhali Bazar	01	Friday	30	01
17	Mullikpur Bazar	01	Sunday	20	01
	Total	17		930	17

Annexure 11

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	Beheli Govt.Primary School	139	5	07	Yes
02		Radanogor Govt.Primary School	335	04	07	-
03		Mamudpur Govt.Primary School	107	01	02	Yes
04		Durapur Govt.Primary School	59	02	02	Yes
05		Horinakandi Govt.Primary School	238	02	03	Yes
06		Jotinropur Govt.Primary School	101	03	04	-
07		Howria Allipur Govt.Primary School	81	03	03	-
08		Ashanpur Govt.Primary School	79	03	04	Yes
09		Horinogor Govt.Primary School	192	04	01	Yes
10		Bodorpur Govt.Primary School	146	04	06	Yes

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
11		Bodorpur Govt.Primary School	221	03	04	Yes
12		Jamalganj Govt.Primary School	145	09	05	-
13		Nowahalot Govt.Primary School	267	05	04	Yes
14		Loximpur Govt.Primary School	440	07	02	-
15		Lombabuk Govt.Primary School	363	07	08	Yes
16		Lalpur Govt.Primary School	162	04	07	-
17		Kasipur Govt.Primary School	529	08	01	-
18		Danuyakhali Govt.Primary School	539	07	07	-
19		Gojaria Govt.Primary School	345	07	03	Yes
20		Sorif pur Govt.Primary School	253	04	01	-
21		Sasna Ardarsa Govt.Primary School	162	08	06	Yes

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
22		Matergaon Govt.Primary School	165	04	05	Yes
23		Shoyhara Govt.Primary School	207	05	05	Yes
24		Bisnopur Govt.Primary School	219	03	03	-
25		Benajura Govt.Primary School	197	04	08	-
26		Razabaj Govt.Primary School	186	04	08	-
27		Razonropur Govt.Primary School	66	03	01	-
28		Nidipur Govt.Primary School	70	02	01	Yes
29		jamlabaz Govt.Primary School	216	03	03	-
30		Gongadorpur Govt.Primary School	129	03	04	-
31		Najinnogor Govt.Primary School	191	04	07	-
32		Hotamara Govt.Primary School	191	04	02	-

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
33		Amanipur Govt.Primary School	134	03	01	-
34		Kamdorpur Govt.Primary School	98	03	06	-
35		Fanarbuk Govt.Primary School	165	04	01	Yes
36		Loxmipur Govt.Primary School	186	03	03	Yes
37		Razapur Govt.Primary School	200	04	06	Yes
38		Uzzandolupur Govt.Primary School	181	03	05	-
39		Gozariya Govt.Primary School	324	04	03	-
40		Rampur Govt.Primary School	178	04	05	-
41		Durlovpur Govt.Primary School	188	04	03	-
42		Sukdabpur Govt.Primary School	422	07	02	Yes
43		Rahimnogor Govt.Primary School	192	03	04	-

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
44		Noorpur Govt.Primary School	165	04	06	-
45		Ramnogor Govt.Primary School	116	08	03	Yes
46		Ginnaho memorial Govt.Primary School	182	05	04	-
47		Haze kalagazi Govt.Primary School	282	09	07	-
48		Hasnabaz Govt.Primary School	216	05	06	-
49		Mamudpur Govt.Primary School	145	03	07	Yes
50		Nowagaon Govt.Primary School	279	06	05	-
51		Bander makorkhola Govt.Primary School	310	07	08	Yes
52		Gagtya Govt.Primary School	271	07	03	-
53		Chondo bari Govt.Primary School	178	04	04	-
54		Bisna	146	04	06	-

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
		Govt.Primary School				
55		Sontospur Govt.Primary School	160	02	09	-
56		Mullinogor Govt.Primary School	185	04	08	Yes
57		Jalalabag Govt.Primary School	263	08	05	-
58		Kolkoto kha Govt.Primary School	365	07	07	-
59		Mullikpur Govt.Primary School	351	06	09	-
60		Sarmostopur Govt.Primary School	210	04	09	yes
61		Suzatpur Govt.Primary School	219	04	04	-
62		Vorotpur Govt.Primary School	187	04	08	-
63		Masalgat Govt.Primary School	142	03	08	yes
64		Ullokandi Govt.Primary School	113	04	03	yes
65		Gopalpur Govt.Primary	58	03	05	yes

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
		School				
66		Sonripur Govt.Primary School	150	03	09	-
67		Zamser Alli Terella Govt.Primary School	196	04	02	-
68		Sreepur Govt.Primary School	166	04	03	yes
69		Inatnogor Govt.Primary School	125	04	09	-
70		Kaminipur Govt.Primary School	198	04	06	yes
71		Modanakandi Govt.Primary School	80	02	04	yes
72		Sujatpur Govt.Primary School	183	03	07	-
73		Santipur Govt.Primary School	225	04	05	-
74		Allipur Govt.Primary School	257	03	02	-
75		Uzzalpur Govt.Primary School	150	04	03	-
76		Hazi Abdul Bari	250	04	05	-

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
		Govt.Primary School				
77		Khojargaon Govt.Primary School	208	04	05	-
78		Rahimapur Goccogram Govt.Primary School	166	04	05	-
79		Islampur Govt.Primary School	244	04	04	-
80		Chanpur Govt.Primary School	103	03	08	-
81		pochim Razapur Govt.Primary School	150	04	06	-
82		Alli pur Govt.Primary School	186	04	06	-
83		Fazilpur Govt.Primary School	177	04	05	-
84		Horihorpur Govt.Primary School	135	04	08	-
85		Sonapur Govt.Primary School	325	04	03	yes
86		Kodomtoli Govt.Primary School	78	03	04	-

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
87		Sukdibpur Alli Govt.Primary School	422	07	02	-
88		Hazi Yousof Alli Govt.Primary School	277	04	02	-
89		Salya Govt.Primary School	204	04	01	-
90		Lalpur Govt.Primary School	148	04	08	-
91		Sorifpur Allipur Govt.Primary School	155	04	06	yes
92		Horipur Govt.Primary School	56	03	01	yes
93		Vati lalpur Govt.Primary School	382	04	01	-
94		Rangamatya Govt.Primary School	237	04	01	yes
95		Hazi tahar alli Govt.Primary School	180	04	03	-
96		Hijla Govt.Primary School	38	04	02	yes

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
97		Abdur rahaman Govt.Primary School	129	04	02	yes
98		Kasipur Govt.Primary School	142	03	09	-
99		Hazi hatimulla Aknoji Govt.Primary School	216	04	09	-
100		Tilki Govt.Primary School	66	04	07	yes
101		Sirajul Islam Govt.Primary School	112	03	06	-
102		Uttar kamlabaz Govt.Primary School	150	04	07	-
103		Abu Bakkar Govt.Primary School	169	04	04	-
104		Safez uddin Govt.Primary School	131	04	05	-
105		Tagoriya Govt.Primary School	51	03	06	yes
106		Harar kndi Govt.Primary School	86	03	07	-

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
107		Mirzapur Govt.Primary School	129	04	06	-
108		Kalipur Govt.Primary School	151	04	06	-
109		Vati dolut pur Govt.Primary School	64	04	08	yes
110		Azor Alli Govt.Primary School	177	04	01	yes
111		Manigaon Govt.Primary School	131	04	01	-
112		Probo Razabaj Govt.Primary School	208	04	08	-
113		Hazi Abdul Azziz Govt.Primary School	140	04	08	-
114		Polok usmani Govt.Primary School	184	04	07	-
115		Abdul Woahid Govt.Primary School	131	04	08	yes
116		Kamargaon Govt.Primary School	101	04	09	yes

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
117		Potia Govt.Primary School	110	04	06	-
118		Sasna rustom Alli Govt.Primary School	202	04	06	yes
119		Sorif pur pokit Govt.Primary School	195	03	04	yes
120		Kandagaon Govt.Primary School	115	04	02	-
121		Porespal Cho. Govt.Primary School	171	04	05	-
122		Kalibari Govt.Primary School	165	04	06	-
123		Hogli Govt.Primary School	129	03	08	-
124		Purbo Lombabg Govt.Primary School	194	04	08	-
	Total	124	23691	518		40

List of High School Jamalgonj

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
01	Non Govt. High School	Jamalgonj Model High School	1198	21	Jamalgonj	Yes
02		Jamalgonj Garils High School	1204	24	Jamalgonj	Yes
03		Vimkhali High School	832	13	Vimkhali	Yes
04		Sasna Bazar High School	1059	19	Sasna Bazar	Yes
05		Nobin Chondo High School	448	09	Fanarbuk	Yes
06		Beheli High School	370	11	Beheli	Yes
07		Alla Uddin Memoryel High School	680	06	Fanarbuk	Yes
08		Hazi Acir Uddin High School	314	05	Vimkhali	-
09		Abdul Mukit High School	304	08	Sasna Bazar	-
10		Allhaz Jonu Miha High School	389	06	Jamalgonj	-
	Total	10	6798	126		07

List of Dakhil Madrasa

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
01	Non Govt. Dakhil Madrasa	Nowagano & Astogram Islamiha Dakhil Madrasha	452	55	Vimkhali	-
02		Loxmipur Twakoliya Dakhil Madrasha	186	12	Fanarbuk	-
03		Loxmipur Taedul Islamiha Dakhil Madrasha	179	13	Jamalganj	-
04		Kalipur Nasariya Dakhil Madrasha	653	16	Jamalganj	-
05		Sukdevpur Dakhil Madrasha	298	13	Sasna Bazar	-
06		Hazi jolekha Tayab Islamiha Dakhil Madrasha	151	10	Fanarbuk	-
07		Kamal baj Ibteday Madrasha	238	34	Vimkhali	-
	Total	07	2157	153		

List of Colleges

Sl. No.	School/ Madrasa/ College	Name	No. of Students	No. of Teachers	Village	Whether used as a Flood Shelter
1	Govt. College	Jamalgonj Degree College	850	22	Jamalgonj	-
	Total	01	850	22		

Annexure 12

List of Health Service Centers

Sl. No.	Name of Health Centers	Location	Number	Numbers of		
				Doctor	Nurse	Service Staff
01	Upazila Health Complex	Jamalgonj Sadar	01	05	05	04
02	Health & Family Walfaer Centers	Loxmipur Fanarbuk Union	01	01	-	01
03	Health & Family Walfaer Centers	Vimkhali. Vimkhali Union	01	01	-	01
04	Health & Family Walfaer Centers	Durlobpur Sasna Bazar Union	01	01	-	01
05	Community Clinic	Lombabuk Jamalgonj Sadar	01	01	-	-
06	Community Clinic	Kamimipur Jamalgonj Sadar	01	01	-	-
07	Community Clinic	Sanpur Jamalgonj Sadar	01	01	-	-
08	Community Clinic	Loxmipur Jamalgonj Sadar	01	01	-	-
09	Community Clinic	Rampur Jamalgonj Sadar	01	01	-	-
10	Community Clinic	Ahasan pur Beheli Union	01	01	-	-
11	Community Clinic	Horinogor Beheli Union	01	01	-	-
12	Community Clinic	Ramnogor Sasna Bazar Union	01	01	-	-
13	Community Clinic	Kokri Porsi Sasna Bazar Union	01	01	-	-
14	Community Clinic	Kojargaon Fanarbuk Union	01	01	-	-
15	Community Clinic	Sujatpur Fanarbuk Union	01	01	-	-
16	Community Clinic	Amanipur Fanarbuk Union	01	01	-	-
17	Community Clinic	Gojariya Fanarbuk Union	01	01	-	-
18	Community Clinic	Mullikpur Vimkhali Union	01	01	-	-
19	Community Clinic	Chandabari Vimkhali Union	01	01	-	-
20	Community Clinic	Fakul Mahamud pur Vimkhali Union	01	01	-	-
21	Sub Centers	Salimgonj Jamalgonj Sadar Union	01	01	-	-
	Total	21	21	25	05	07

Annexure 13

List of Beels

There are 95 beels in Jamalganj. Among them, 41 beels are above 20 acre and 41 beels are below 20 acre and 13 beels are open.

Sl. No.	Name of Beel	Use	Usefulness	Brief Description
01	Satiyar 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.	
02	Andda Nodi Ang Gong			
03	Dolapakna Beel			
04	Bowela Beel			
05	Bisar chatol Beel			
06	Nowa Nodi bahir Gong Beel			
07	Jonjar mohal Beel			
08	Dopapasi Beel			
09	Chot ab Boro Pagna Beel			
10	Hariar Cona Lomba Beel			
11	Larki Beel			
12	Ayla Sagya Beel			
13	Kakiya jori			
14	Kosma Grop Beel			
15	Bolhar nodi Beel			

Sl. No.	Name of Beel	Use	Usefulness	Brief Description
16	Apur Pat ab jol Vowli Beel			
17	Karal jan Grop Beel			
18	Potiya Cora Beel			
19	Vanda Beel			
20	Potia Beel Roya Beel			
21	Dhoi Mukka Beel			
22	Baim dari Beel			
23	Soyahara Nodi Beel			
24	Dolota Nodi Beel			
25	Vaskara Beel			
26	Boro Chatowa Grop			
27	Soni Roya Beel			
28	Gongador pur nodi Beel			
29	Sogiyar Gat mora nodi Beel			
30	Goniyar Beel			
31	Nolchorni Gojar Caatol Beel			
32	Amanier purar Dair Beel			
33	Rangya Nodi Beel			
34	Dheri Lomba Beel			
35	Kaladohor boikonther Dala Beel			
36	Boro Beel prokasito Khoriar Beel			
37	Salmara Grop Beel			
38	kamjiraPaintola Beel			
39	Votiyarpur nodi Beel			

Sl. No.	Name of Beel	Use	Usefulness	Brief Description
40	Hori Nogor Potiya Nodi Beel			
41	Chisraulle Beel			
42	Satol Beel			
43	Diga Beel			
44	Ramarkori Budirkori Beel			
45	Koreliya Gang Grop Beel			
46	Vander Beel			
47	Bari Lama Beel			
48	Lomba Beel Goul Beel			
49	Lomba Beel Chondogona			
50	Bori Dakoya Beel			
51	Sang Kala Gang Beel			
52	Apur Togyiar Nodi Beel			
53	Dolta Nodi Beel			
54	Kowar Mara grop Beel			
55	Baskar khal Beel			
56	Boro Chapra Grop Beel			
57	Natowar dobi Matwor dobi Beel			
58	Digalia Beel & korikhal Beel			
59	Zinaria Beel			
60	Nowakhal Ninda Beel			
61	Bonuya Beel			
62	More nodi Beel			
63	Matargaon Gangar ager Beel			

Sl. No.	Name of Beel	Use	Usefulness	Brief Description
64	Kaima kota Beel			
65	Hori Nogor nodi Beel			
66	Jani Beel			
67	Fakwer Dobi Beel			
68	Volykori & Doba Beel			
69	Tala kokir Beel			
70	Dawtan Beel			
71	Allipur Nodi Beel			
72	Kaju Doba Beel			
73	Soronger Beel			
74	Chatni Beel			
75	Dotto uza Beel			
76	Sondoika Beel			
77	Kowir Beel Zinaria dobi Beel			
78	Rangia Beel			
79	Sojatpur Horiporer Khal Beel			
80	Satbila Beel			
81	Folkar Kori Beel			
82	Gonowa Angul Vanga Beel			
83	Bolaia Nodi Titu Khondo Beel			
84	Rupabal Ninmo Pro. Tangerkhal Beel			
85	Takoria Nodi Beel			
86	Nowa halot Nodi protom Khondo Beel			
87	Boro Nodi Pro. Jallabaz Nimno Beel			

Sl. No.	Name of Beel	Use	Usefulness	Brief Description
88	Boro Dower Voli Nodir Aungso Beel			
89	Neamotpur Nodi Pro. Digir Paien Beel			
90	Behel Nodi 1 st & 2 st Khondo Beel			
91	Nowanodi 3 st Khondo Por. Loxmipur Beel			
92	Nowa Halot 2 st khondo Beel			
93	Tazar Khal Beel			
94	Digalia Beel & Korir Khal Beel			
95	Matargaon Gangar Ager Beel			
	Total	95		

Annexure 14

List of Professional Cooperative Society

List of Farmers Association

Sl. No.	Name of Association	Village	Union	Responsible Person	Designation	Mobile No.
01	Mosalgat Farmers Association	Mosalgat	Beheli	Nahar Das	President	
				Khorshad Alli	Secretary	
02	Sonapur Farmers Association	Sonapur	Jamalganj	Abdur Rohim	President	
				Anisuddin	Secretary	
03	Kasipur Farmers Association	Kasipur	Jamalganj	Sumsul Hoq	President	
					Secretary	
04	Inatnagar Farmers Association	Inatnagar	Beheli	Bironro kumar	President	
				Monoranjon	Secretary	
05	Chando Bari Farmers Association	Chando Bari	Vimkhali	Abdul Razzak	President	
				Sumsul Hoq	Secretary	
06	Loximpur Farmers Association	Loximpur	Jamalganj	Golam Rabbani	President	
				Abdur Salam	Secretary	
07	Lotifpur Farmers Association	Lotifpur	Vimkhali	Abdul Baki	President	
				Abdul Woadud	Secretary	
08	Lombabuk Farmers Association	Lombabuk	Jamalganj	Morom Alli	President	
				Abdul Amin	Secretary	
09	Kalipur Dokkin Farmers Association	Kalipur	Jamalganj	Jabed Alli	President	
				Abul Hossan	Secretary	
10	Abourhati Farmers Association	Abourhati	Jamalganj	Hazi Amjat Alli	President	
				Bojlur Rahaman	Secretary	
11	Santipur Farmers Association	Santipur	Fanarbuk	Md.Amdumiha	President	
				Abdur	Secretary	

Sl. No.	Name of Association	Village	Union	Responsible Person	Designation	Mobile No.
				Rahim	tary	
12	Nojatpur Farmers Association	Nojatpur	Sasna bazar	Masuk Miha	President	
				Tota Miha	Secretary	
13	Farmers Association	Rampur	Jamalgonj	Dr. Abdul Sotter	President	
				Abdul Kuddos Pir	Secretary	
14	Kowti Farmers Association	Radanagor	Beheli	Abdur Rahaman	President	
				Abdul Malak	Secretary	
15	Khowerbon Farmers Association	Kolko to Kha	Vimkhali	Bari	President	
				Abdul Rahaman	Secretary	
16	Khikani Farmers Association	Allipur	Fanarbuk	Rojot Alli	President	
				Kitab Alli	Secretary	
17	Jalalabad Utterbon Farmers Association	Jalalabad	Sasna bazar	Abdul Malik	President	
				Abdul Kayoum	Secretary	
18	Farmers Association	Kalagazi	Jamalgonj	Homayon Kobir	President	
				Julhas Miha	Secretary	
19	Berihawor Farmers Association	Nurpur	Sasna bazar	Kolim Uddin	President	
				Sorut Pathan	Secretary	
20	Boytakhali Dala Farmers Association	Binajuri	Fanarbuk	Moha Nondo	President	
				Probes Sarkar	Secretary	
21	Goniar Beel Farmers Association	Dokkin Kamlabag	Jamalgonj	Abul Kamal	President	
				Abbas Miha	Secretary	
22	Sorifpur Bad Farmers Association	Sorifpur	Jamalgonj	Amir Alli	President	
				Razaul Koeim	Secretary	
23	Sasna Bazar Farmers	Sasna	Sasna bazar	Akbor Alli	President	
				Usman	Secretary	

Sl. No.	Name of Association	Village	Union	Responsible Person	Designation	Mobile No.
	Association			Miha	tary	
24	Salaya-1 Farmers Association	Salaya	Vimkhali	Jalal Uddin	President	
				Harunur Roshid	Secretary	
25	Radanagor Farmers Association	Radanagor	Beheli	Nobi Hossan	President	
				Donu Miha	Secretary	
26	Paknar hawar Farmers Association	Soripur	Fanarbuk	Abdul Alim	President	
				Jafor Alli	Secretary	
27	Bagri Farmers Association	Sujatpur	Jamalgonj	Gash Uddin	President	
				Sohid Miha	Secretary	
28	Chorir kanda Farmers Association	Sukdarpur	Sasna bazar	Fozul Hoq	President	
				Hanif Miha	Secretary	
29	Mani Gaon Farmers Association	Mani Gaon	Vimkhali	Josim uddin	President	
				Abdur Rouf	Secretary	
30	Danuyakhali Farmers Association	Uttir Kamlabaj	Jamalgonj	HomayonKobir	President	
				Hayat miha	Secretary	
31	Chonroba Hawor Farmers Association	Durlobpur	Sasna bazar	Sirajul Hoq	President	
				Askor Alli	Secretary	

List of Fishermen Association

Sl. No.	Name of Association	Registrati on No. & Date	Responsibl e Person	Designation	Mobile No.
01	Nazim Nogor Uttar para Fishermen Association	1347/09-09-2009	Mojibur Rahaman	President	01718478233
			Golam Mostofa	Secretary	01733591596
02	Soyod Nogor Pochim Fanarbuk Fishermen Association	1436/21-03-2010	Rifatul Islam	President	01719595265
			Masud Miha	Secretary	01821375795
03	Kamargaon Loxmipur Fishermen Association	1348/09-09-2009	Ishak Miha	President	01737844414
			Golam Saklin	Secretary	01716689460
04	Bisnopur Moddo para Fishermen Association	1635/05-01/2011	Shakhor Broto Sarkar	President	01727938033
			Ranjon Sarkar	Secretary	01932203620
05	Sonapur Fishermen Association	903/16-04-1972	Mohidul Islam	President	
			Mosarof Hossan	Secretary	01733769141
06	Sukdavpur Fishermen Association	1628/26-12-2010	Harun Are Roshid	President	01726700527
				Secretary	
07	Allipur Fishermen Association	1445/04-02-2010	Samruj Miha	President	01712488903
			Amir Hossan	Secretary	01719163904
08	Durgapur Harar kandi Fishermen Association	1456/17-02-2010	Monoranjo n Das	President	01734076202
			Rakis Das	Secretary	01749414254
09	Brommongaon Fishermen Association	796/08-04-1972	Sudanso Das	President	01724924956
			Sottojat Das	Secretary	01734476829
10	Razapur Fishermen Association	1009/03-04-1972	Mukter Hossan	President	
			Abdur Rahaman	Secretary	
11	Kamdorpur Fishermen Association	1634/05-01-2011	Babul miha	President	01920052346
			Ful Miha	Secretary	01922746031
12	Gojariya Fishermen	1287/11-08-2009	Himansu Vormon	President	01714429402

Sl. No.	Name of Association	Registration No. & Date	Responsible Person	Designation	Mobile No.
	Association		Sohil Rana	Secretary	01718689150
13	Mofiz Nogor Protasha Fishermen Association	1674/13/11-06-2013	Tahir Miha	President	01773883849
			Sahalom	Secretary	
14	Gopalpur Fishermen Association	953/14-04-1972	Roma moni Das	President	
			Yobraj Das	Secretary	01737505384
15	Rupali Fishermen Association	379/02-02-1972	Borhan Uddin	President	
			Abdul Alli	Secretary	
16	Beheli milon Fishermen Association	950/29-04-1974	Md. Ruhol Amin	President	01731197281
			Md.Razaul Korim	Secretary	
17	Pochim Razapur Sapla Fishermen Association	1271/04-08-2009	Abdul Aziz	President	01743847159
			Johirul Islam	Secretary	01743847159
18	Ramnogor Mitali Fishermen Association	49/13/02-04-2013	Md Ranu Miha	President	01740973859
			Monir Ahmmad	Secretary	01715719137
19	Horipur Fishermen Association	1536/08-04-2010	Probir Roy	President	01719742796
			Jitero Roy	Secretary	01719742406
20	Binazura,Lalpur,Rosulpur Fishermen Association	1311/24-08-2009	Mrenal turkisto	President	01715597734
			Md. Alli	Secretary	01746066771
21	Horinakandi Pochim Noton Para Fishermen Association	027/13/25-02-2013	Md. Kamal	President	01719644604
			Ful Miha	Secretary	01733614262
22	Horinakandi Fishermen Association	020/13/05-02-2013	Sarwer Hossin	President	01722917656
			Razaul Korim	Secretary	01751854397
23	Fanarbuk Borpara Fishermen Association	1412/21-12-2009	Borjok noor	President	01912861844
			Yasir Arfat	Secretary	01746732274
24	Ujan Lalpur Fishermen Association	1313/24-08-2009	S.M Morshid	President	01711040492
			Razaul Korim	Secretary	01711950606

Sl. No.	Name of Association	Registration No. & Date	Responsible Person	Designation	Mobile No.
25	Bodorpur Fishermen Association	1267/28-07-2009	Jonyal Abdin	President	01735104315
			Razaul Korim	Secretary	01716015126
26	Beheli Alli pur Fishermen Association	1457/17-02-2010	Abdul Jolil	President	01728562721
			Nojibur Rahaman	Secretary	01732223880
27	Howriya Allipur Fishermen Association	1524/21-03-2010	Kolilur Rahaman	President	01745906305
			Alli Ahmmad	Secretary	01736952332
28	Rampur Taibnagor Fishermen Association	1233/14-07-2009	Rongo Das	President	
			All Roffiq Himal	Secretary	01912058873
29	Aminpur Fishermen Association	1437/28-01-2010	Joy mohon Vormon	President	01917299791
			Sotinro Vormon	Secretary	01918421624
30	Isanpur Fishermen Association	1560/14-06-2010	Borhan uddin	President	01724796621
			Alli Ahmmad	Secretary	
31	Sorifpur Butiyarpur Fishermen Association	1562/15-06-2010	Joynal uddin	President	
			Robil Miha	Secretary	
32	Bisnopur Fishermen Association	1523/08-04-2010	Horieh Chando Sarkar	President	01913662653
			Sojol Sarkar	Secretary	01739314377
33	Nurpur Fishermen Association	1636/05-01-2011	Ukkil Miha	President	01743900544
			Annamul Hoq	Secretary	01191405670
34	Loxmipur Fishermen Association	2141/19-07-2009	Anower Hossan	President	01733752399
			Norul Hoq	Secretary	01735079151
35	Chanpur Omur Bangla Fishermen Association	30/11-12/05-12-2012	Nobin Biswas	President	
			Joy Choron Talukder	Secretary	01718791066
36	Dokkin Loxmipur (Noton para) Fishermen Association	009/12/09-01-2012	Amrul	President	01736545753
			Roul Amin	Secretary	01738981814
37	Utsob Fishermen	012/12/05-	Koyis Miha	President	0172406362

Sl. No.	Name of Association	Registration No. & Date	Responsible Person	Designation	Mobile No.
	Association	12-2012			8
			Imam Hossan	Secretary	01728648158
38	Uttor Loxmipur milon Fishermen Association	053/12/05-03-2012	Soriful Islam	President	01719839551
			Abul Mohimini	Secretary	01724187127
39	Jotonropur Sapla Fishermen Association	067/12/14-03-2012	Ramkumar Das	President	01765026016
			Jankinat Cho.	Secretary	01915363111
40	Kasipur Fishermen Association	1611/07-10-2010	Mohon Miha	President	01738352550
			Norul Islam	Secretary	01731086279
41	Islampur Milon Fishermen Association	035/13/27-02-2013	Rois Uddin	President	01770669297
			Sohor Alli	Secretary	01753913076
42	Matar Gow Fishermen Association	028/13/27-02-2013	Utpol Talukder	President	01725167806
			Binod Purkisto	Secretary	01735180044
43	Asnapur Akota Fishermen Association	077/03-07-2013	Shajamal	President	01820945401
			Norul Islam	Secretary	
44	Asnapur Umatpur Sapla Fishermen Association	092/17-07-2013	Noor Ahmmad	President	01743000400
			Yousof Miha	Secretary	01740602305
45	Poncho Gram Millon Fishermen Association	079/13/08-07-2013	Kitab Alli	President	01734227705
			Apil Miha	Secretary	
46	Porbo Loxmipur kawalikona Fishermen Association	1314/25-08-2013	Sazzad Ahmmad	President	01712122200
			Najira Islam	Secretary	
47	pochim Kandipur Sodor kandi Fishermen Association	107/13/09-09-2013	Mukter Hossan	President	01714675488
			Jahagir Alom	Secretary	01747190464
48	Bodorpur (Moddopara) Fishermen Association	118/13/20-11-2013	Abulla Miha	President	01738141581
			Mihir Chonro Pal	Secretary	

List of Engine Boat Owners Association

Sl. No.	Name of Association	Village	Union	Responsible Person	Designation	Mobile No.
01	Sunamgonj Malbahi Nowka poribohon Sromik Somobahi Somiti	Mosalgat	Beheli	Yousuf Alli	President	
				Md. Alli	Secretary	01716965063
02	Bangladesh Lonce labor Association	Sonapur	Jamalgongj	Amdadul Hoq Afandi	President	01730186088
				Babul Miha	Secretary	01726538332

Annexure 15

List of Elected Bodies of Jamalgonj Upazila

Sl. No.	Name	Designation	Mobile No.
1	Alhaz Samsul Alom Talukder	Upazila Chairman Jamalgonj	01716345185
2	Md. Roshid Ahmmad	Vice - Chairman, Jamalgonj Upazila, Jamalgonj	01712331682
3	Mst.Hafiza Akter(Dipu)	Female Vice- Chairman Jamalgonj Upazila, Jamalgonj	01732863281
4	Md. Sirajul Hoq Talukder	Chairman, 1 no Beheli Union	01711012632
5	Foazul Alom Mohon	Chairman, 2 NO Jamalgonj Union	01711012632
6	Md.Motiur Rahaman	Chairman, 4 NoFanarbuk Union	01712819856
7	Md.Razaul Korim Samim	Chairman, Sasna Bazar Union	01717310037
8	Md.Abdul Mannan Talukder	Chairman, 5 No Vimkhali Union	01716165011

Annexure 16

Ward Wise Number of Affected Farmers of Jamalganj Upazila

Sl. No.	Ward No.	Beheli Union		Vimkhali Union		Fenerbak Union		Jamalganj Sadar Union		Sachna Bazar Union		Remarks
		Total No. of Farmers	Affected Farmers	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	380	280	290	110	515	310	370	270	330	180	
2.	Ward No. 2	425	315	310	160	635	350	365	260	385	205	
3.	Ward No. 3	390	275	285	105	480	220	295	265	295	170	
4.	Ward No. 4	400	300	340	165	470	250	205	105	365	190	
5.	Ward No. 5	385	270	155	105	345	150	225	115	340	120	
6.	Ward No. 6	510	390	290	110	385	185	445	310	310	130	
7.	Ward No. 7	456	255	320	140	530	270	395	280	355	145	
8.	Ward No. 8	285	180	285	90	454	205	365	265	385	190	
9.	Ward No. 9	325	210	290	95	414	390	467	360	220	105	
	Total	3555	2475	2525	1080	4219	2330	3132	2230	2998	1435	

Source: Sub Assistant Agriculture Officer, Jamalganj

A Workshop on Disaster Management Planning held at Jamalganj Upazila

Disaster Management Planning Workshop held with the initiative of VARD on 26 February, 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 Jamalganj Upazila Parishad, Sunamganj. Mr. S. M. Shafi Kamal, Upazila Nirbahi Officer (UNO), Jamalganj, presided over the workshop. Md. Fazlul Hoque, Master Trainer of VARD-DM Plan Project moderated the workshop. A total of 38 participants of Jamalganj 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 meeting. 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:

- Flash flood occurred in Jamalganj on account of heavy rainfall in Meghalaya through the entering point of the Surma river under beheli union. It damaged paddy field of different haors including Halir and Pakner haor. So, steps to be taken to repair embankments.
- Since many men loss their lives every year resulting in thunder storm, we should work on awareness building along with installation of thunder storm protecting device.

In his closing speech, the president of the workshop Mr. S. M. Shafi Kamal, Upazila Nirbahi Officer (UNO), Jamalganj, told that the main hazards of this area are flash flood and thunder storm. 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

The Bangladesh Today

March 21, 2014

Workshop on Disaster Management Planning held



VARD organized a workshop on Disaster Management Planning at the Hall Room of Jamalganj Upazila Parishad, Sunamganj recently. S. M. Shafi Kamal, Upazila Nirbahi Officer (UNO), Jamalganj, presided over the workshop. Md. Fazlul Hoque, Master Trainer of VARD-DM Plan Project moderated the workshop. A total of 38 participants of Jamalganj UpDMC were present on the occasion.

In his greeting speech, Samir Ranjan Baral Assistant Director (Field Operation), VARD, congratulated all the guests presented at the meeting.

The disaster management planning session was conducted by Md. Fazlul Hoque, Master Trainer of VARD-DM Plan Project. Disaster management plan

format was 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.

Flash flood occurred in Jamalganj on account of heavy rainfall in Meghalaya through the entering point of the Surma river under beheli union. It damaged paddy field of different haors including Halir and Paknar haor. So, steps to be taken to repair embankments. Since many men loss their lives every year resulting in thunder storm, we should work on awareness building along with installation of thunder storm protecting device.

স্বাধীনিক এগারিত সুনামগঞ্জ জেলার একমাত্র নিয়মিত সাপ্তাহিক

সুনামকণ্ঠ

মঙ্গলবার, ৪ মার্চ ২০১৪, ২০ ফাল্গুন ১৪২০, ২ জমা.উলা ১৪৩৫



জামালগঞ্জে ভার্ডের কর্মশালায় উপস্থিত অতিথিবৃন্দের একাংশ -সুনামকণ্ঠ

জামালগঞ্জে ভার্ডের কর্মশালা অনুষ্ঠিত

ভার্ড-এর উদ্যোগে কম্পিউহেসিড ডিজাস্টার ম্যানেজমেন্ট প্রোগ্রাম (সিডিএমপি-২)-এর আর্থিক সহযোগিতায় দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্পের আওতায় ২৬ ফেব্রুয়ারি, ২০১৪ রোজ বুধবার সকাল ১০:৩০ ঘটিকায় জামালগঞ্জ উপজেলা পরিষদের হলরুমে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রণয়ন বিষয়ক কর্মশালা অনুষ্ঠিত হয়। পৃ. ২ কলাম ১

জামালগঞ্জে ভার্ডের

(শেষ পৃষ্ঠার পর)

কর্মশালায় সভাপতিত্ব করেন এস. এম. শফি কামাল, উপজেলা নির্বাহী অফিসার, জামালগঞ্জ। কর্মশালায় মুখ্য সঞ্চালকের ভূমিকায় ছিলেন মো. ফজলুল হক, মাস্টার ট্রেনার, ডিএম প্ল্যান প্রজেক্ট, ভার্ড। কর্মশালায় জামালগঞ্জ উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির মোট ৩৮ জন সদস্য উপস্থিত ছিলেন। সমীর রঞ্জন বড়াল, সহকারি 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। কর্মশালার সভাপতি এস.এম. শফি কামাল, উপজেলা নির্বাহী অফিসার, জামালগঞ্জ, তার সমাপনী বক্তব্যে বলেন যে, আগাম বন্যা ও বজ্রপাত এই উপজেলার প্রধান দুর্যোগ। তিনি জামালগঞ্জ 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 ঝুঁকিহাসকরণে গুরুত্বপূর্ণ ভূমিকা পালন করবে বলে তিনি আশাবাদ ব্যক্ত করেন।

*A Meeting on Disaster Management Plan Validation
held at Jamalganj Upazila*

Disaster Management Plan Validation Meeting is held by VARD on 25 June, 2014 at 11:00 A.M. in participation with Upazila Disaster Management Committee (UzDMC), Jamalganj under Disaster Management (DM) Plan Project funded by Comprehensive Disaster Management Programme (CDMP II) at the Hall Room of Jamalganj Upazila Parishad, Sunamganj. Mr. Alhaz Samsul Alam Talukder (Jhunu Meah), the Honorable Chairman, Upazila Parishad, Jamalganj, was present as the Chief Guest and Mr. S. M Shafi Kamal, the Honorable Upazila Nirbahi Officer, Jamalganj, presided over the meeting. Md. Fazlul Hoque, Master Trainer of VARD-DM Plan Project moderated in the meeting. A total of 45 participants of Jamalganj UzDMC were present on the occasion.

In his greeting speech, Mr. Md. Belayet Hossain Meah, Deputy Director (Monitoring), 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 workshop, participants from different institutions of GO, NGO and civil society shared their experience.

The Chief Guest of the meeting, Mr. Alhaz Samsul Alam Talukder (Jhunu Meah), Chairman, Upazila Parishad, Jamalganj expresses thanks and gratitude to UzDMC members, CDMP and VARD as they have prepared disaster management plan.

In his closing speech, the president of the meeting, Mr. S. M. Shafi Kamal, the Honorable Upazila Nirbahi Officer, Jamalganj, utters that disaster management plan is, in reality, the plan of our Upazila. It should be far reaching, authentic, real and implementable. He draws attention to the successful implementation of DM Plan Project. He expects this plan will play a vital role in disaster risk reduction.

Report prepared by:

*Md. Fazlul Hoque
Master Trainer
DM Plan Project, VARD
Date: 25 June, 2014*

গোবরু কাগজ

ঢাকা ■ শনিবার ■ ১৪ আষাঢ় ১৪২১ ■ ২৮ জুন ২০১৪

ভার্ড

বেসরকারি উন্নয়ন সংস্থা ভার্ড-এর উদ্যোগে কম্পিউহেলিড ডিজাস্টার ম্যানেজমেন্ট প্রোগ্রাম (সিডিএমপি-২)-এর আর্থিক সহযোগিতায় দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্পের আওতায় গত ২৫ জুন সকাল জামালগঞ্জে উপজেলা পরিষদের সভাকক্ষে উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি, জামালগঞ্জ-এর অংশগ্রহণে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা বৈধকরণ সভা অনুষ্ঠিত হয়। সভায় প্রধান অতিথি হিসেবে উপস্থিত ছিলেন আলহাজ্ব সামছুল আলম তালুকদার (বুন্টু মিয়া), চেয়ারম্যান, উপজেলা পরিষদ, জামালগঞ্জ, সুনামগঞ্জ এবং সভায় সভাপতিত্ব করেন এস. এম. শফি কামাল, উপজেলা নির্বাহী অফিসার, জামালগঞ্জ, সুনামগঞ্জ। সভায় মুখ্য সঞ্চালকের ভূমিকায় ছিলেন মোঃ ফজলুল হক, মাস্টার ট্রেইনার, ডিএম প্র্যান প্রজেক্ট, ভার্ড। সভায় জামালগঞ্জ উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির মোট ৪৫ জন সদস্য উপস্থিত ছিলেন। মোঃ বেলায়েত হোসেন মিয়া, উপ-পরিচালক (মনিটরিং), ভার্ড তার স্বাগত বক্তব্যে উপস্থিত সকলকে শুভেচ্ছা ও অভিনন্দন জানান। এছাড়া, তিনি দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্প এবং সভার লক্ষ্য ও উদ্দেশ্য ব্যাখ্যা করেন।

সর্বাধিক প্রচারিত সুনামগঞ্জ জেলার একমাত্র নিয়মিত সাপ্তাহিক

সুনামকণ্ঠ

www.sunamkantha.com

মঙ্গলবার, ১ জুলাই ২০১৪, ১৭ আষাঢ় ১৪২১, ২ রমজান ১৪৩৫



ভার্ত আয়োজিত আদোচনা সভায় উপস্থিত অতিথিদের একাংশ - সুনামকণ্ঠ

জামালগঞ্জ ভার্ভের দুর্যোগ ব্যবস্থাপনা

পরিকল্পনা অবহিতকরণ সভা অনুষ্ঠিত

জামালগঞ্জ প্রতিনিধি :: ভার্ত-এর উদ্যোগে কম্পিউটার ডিজাস্টার ম্যানেজমেন্ট প্রোগ্রাম (সিডিএমপি-২)-এর আর্থিক সহযোগিতায় দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্পের আওতায় গত ২৫ জুন সকালে জামালগঞ্জে উপজেলা পরিষদের সভাকক্ষে উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি, জামালগঞ্জ-এর অংশগ্রহণে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা অবহিতকরণ সভা অনুষ্ঠিত হয়। উক্ত সভার প্রধান অতিথি হিসেবে উপস্থিত ছিলেন উপজেলা পরিষদ চেয়ারম্যান আলহাজ্ব সামছুল আলম তালুকদার (বুদু মিয়া)। সভায় সভাপতিত্ব করেন উপজেলা নির্বাহী কর্মকর্তা এস.এম. পূ. ও কলাম ৭

জামালগঞ্জে ভার্তের শফিক কামাল। সভায় মুখ্য সঞ্চালকের ভূমিকায় ছিলেন ভার্ত, ডিএম প্যান প্রজেক্টের মাস্টার ট্রেনার মো. ফজলুল হক। সভায় জামালগঞ্জ উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির মোট ৪৫ জন সদস্য উপস্থিত ছিলেন। ভার্তের উপ-পরিচালক (মনিটরিং) মো. বেলায়েত হোসেন মিয়া স্বাগত বক্তব্যে উপস্থিত সকলকে শুভেচ্ছা ও অভিনন্দন জানান। এছাড়া, তিনি দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্প এবং সভার লক্ষ্য ও উদ্দেশ্য ব্যাখ্যা করেন। জামালগঞ্জ উপজেলার দুর্যোগ ব্যবস্থাপনা পরিকল্পনা বিষয়ক সেশন পরিচালনা করেন মাস্টার ট্রেনার মো. ফজলুল হক। উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির সদস্যবৃন্দের কার্যকরী মতামতের ভিত্তিতে পরিকল্পনায় প্রয়োজনীয় সংযোজন বিষয়গুলোর মাধ্যমে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা চূড়ান্ত করা হয়। উনুক্ত আলোচনায় বিভিন্ন সরকারি বেসরকারি সংস্থা থেকে আগত প্রতিনিধিগণ তাদের অভিজ্ঞতা বিনিময় করেন।

সভার প্রধান অতিথি চেয়ারম্যান আলহাজ্ব সামছুল আলম তালুকদার (বুদু মিয়া) তার বক্তব্যে উপজেলার দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রণয়ন করার জামালগঞ্জ উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির সদস্যবৃন্দ, ভার্ত ও সিডিএমপি'কে ধন্যবাদ জানান এবং তাদের প্রতি কৃতজ্ঞতা প্রকাশ করেন। সভার সভাপতি নির্বাহী কর্মকর্তা এস.এম. শফিক কামাল তার সমাপনী বক্তব্যে বলেন, দুর্যোগ ব্যবস্থাপনা পরিকল্পনা মূলতঃ আমাদের উপজেলার পরিকল্পনা। এটি সুদূর প্রসারী, বাস্তবসম্মত ও বাস্তবায়নযোগ্য হওয়া জরুরি। তিনি দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রকল্পের সফল বাস্তবায়নের উপর ওরুদ্বারোপ করেন। ইহা দুর্যোগ সুস্থিহাসকরণে গুরুত্বপূর্ণ ভূমিকা পালন করবে বলে তিনি মত প্রকাশ করেন।

Coordinated by

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