



Upazila Disaster Management Plan

Upazila: Dasomina, District: Patuakhali

Plan Developed by

Upazila Disaster Management Committee, Dasomina, Patuakhali

Coordinated by



July 2014

Supported by

Comprehensive Disaster Management Programme (CDMP-II)

Ministry of Disaster Management & Relief



মুখবন্ধ

বাংলাদেশ একটি দুর্যোগ প্রবণ দেশ। ভৌগোলিক অবস্থান, জলবায়ু ও আবহাওয়ার তারতম্যের কারণে স্থানভেদে এদেশে প্রতিবছর বন্যা (নদীবাহিত/ বৃষ্টিপাতজনিত), টর্ণেডো (ঘূর্ণিঝড়), খরা/ অনাবৃষ্টি, ভূমিকম্প, ঘনকুয়াশার মত বিভিন্ন ধরনের আপদ আঘাত হানে। বাংলাদেশ একটি নদীমাতৃক দেশ হওয়ায় প্রায় প্রতিবছর এলাকা ভিত্তিক নদী ডাঙানের শিকার বহুলোক ডিটেমাটি ছাড়া হয়ে নিঃস্বহয়ে পড়ে এবং নদী-খাল ভরাটজনিত কারণে এলাকা ভিত্তিক অধিবাসীদের সংশ্লিষ্ট নানা ধরনের আপদের সম্মুখীন হতে হয়। এছাড়া ও মানবসৃষ্ট ও শিল্পকারখানা জনিত বিভিন্ন ধরনের আপদ প্রতিনিয়ত মানুষকে আতংক গ্রস্থ করে রাখে। এ সমস্ত আপদের প্রভাবে সহায় সম্পদ সহ জান-মাল, পশুসম্পদ ও ফসলের ব্যাপক ক্ষতিসাধিত হয়। এর ফলে শুধু আক্রান্ত জনগোষ্ঠী-ই ক্ষতি গ্রস্ত হয় তা নয়, জাতীয় সম্পদ এবং অর্থনীতিতে ও ব্যাপকভাবে এর প্রভাব পরিলক্ষিত হয়। দুর্যোগ প্রবণ দেশ হলেও পূর্বে দুর্যোগ ব্যবস্থাপনা পরিকল্পনার মাধ্যমে মানুষের সহায় সম্পদ সহ জান-মাল, পশুসম্পদ ও ফসলের ক্ষয়ক্ষতি হ্রাস করার সুদূর প্রসারী কোন পরিকল্পনা গ্রহণ করা হয়নি। সুষ্ঠু পরিকল্পনা ব্যতিরেকে, শুধু মাত্র ত্রাণ ও পুনর্বাসনকেই বেশী প্রাধান্য দেয়া হয়েছে। সম্প্রতি বাংলাদেশ সরকার সমন্বিত দুর্যোগ ব্যবস্থাপনা কর্মসূচীর (CDMP-II) মাধ্যমে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা বিষয়ক এক কর্মসূচী হাতে নিয়েছে। এই কর্মসূচীর আওতায় প্রাথমিক ভাবে সমাজের বিভিন্ন স্তরের জনসাধারণ, ইউনিয়ন ও উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির সমন্বয়ে স্থানীয় ঝুঁকি চিহ্নিত করে তা পর্যালোচনার মাধ্যমে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রনয়নের উদ্যোগ নেয়া হয়েছে। দুর্যোগ ব্যবস্থাপনা পরিকল্পনায় স্থানীয় আপদ সমূহ চিহ্নিত করে দুর্যোগ পূর্ব প্রস্তুতি গ্রহণ ও ঝুঁকি নিরসনের জন্য দশমিনা উপজেলায় কার্যকরী একটি দুর্যোগ ব্যবস্থা পরিকল্পনা প্রনয়ন করা হয়েছে যা স্থানীয় পর্যায়ে দুর্যোগ ঝুঁকি মোকাবেলায় সুদূর প্রসারী অবদান রাখতে পারবে বলে উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি মনে করে।

কর্মপরিকল্পনাটি প্রনয়ণে এলাকার নারী-পুরুষ, কৃষক-ভূমিহীন, প্রবীণ ও তথ্য প্রদানে সক্ষম অন্যান্য স্থানীয় জনগোষ্ঠীর প্রতিনিধি, ইউনিয়ন এবং উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির (UzDMC) সদস্য বৃন্দ সরাসরি সম্পৃক্ত ছিলেন। বিশেষ করে অত্র এলাকায় কর্মরত সুশীলন 'এর কর্মকর্তা ও গবেষকদের নিষ্ঠা ও অক্লান্ত পরিশ্রম স্থানীয় পর্যায়ে পরিকল্পনা প্রণয়নে যথা যথ অবদান রেখেছে। এ কর্ম প্রচেষ্টা ও অক্লান্ত পরিশ্রমের ফলে পটুয়াখালী জেলার দশমিনা উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি একটি বাস্তবসম্মত দুর্যোগ ব্যবস্থাপনা কর্ম পরিকল্পনা প্রণয়ন করতে সক্ষম হয়েছে। অত্র উপজেলায় প্রণীত দুর্যোগ ব্যবস্থাপনা পরিকল্পনায় দুর্যোগ মোকাবেলায় গুরুত্ব পূর্ণ বিষয় সমূহ প্রাধান্য লাভ করেছে। তন্মধ্যে উল্লেখ যোগ্য হচ্ছে পরিবার ও সমাজ পর্যায়ে দুর্যোগ ঝুঁকি সম্পর্কে গনসচেতনতা সৃষ্টি, স্থানীয় সম্পদ ব্যবহারের মাধ্যমে দুর্যোগ পূর্ব প্রস্তুতি গ্রহণ এবং দুর্যোগ কালীন সময়ে অপসারণ, উদ্ধার, চাহিদা নিরূপণ, ত্রাণ ও তাৎক্ষনিক পুনর্বাসন ব্যবস্থার জন্য স্থানীয় ভাবে প্রনীত পরিকল্পনার অনুশীলন ও প্রয়োগ, দুর্যোগ পরিকল্পনায় অংশগ্রহণ এবং কার্যকর অংশীদারীত্ব যা বাস্তবায়িত হলে আপদ সংশ্লিষ্ট স্থানীয় ঝুঁকিসমূহ অনেকাংশে হ্রাস পাবে এবং জনগণের সহায় সম্পত্তি, জানমাল এবং ফসলের ক্ষয়ক্ষতির পরিমাণ কমিয়ে আনা সম্ভব হবে। পাশাপাশি দুর্যোগ পূর্ব, দুর্যোগকালীন ও দুর্যোগ পরবর্তী প্রস্তুতি গ্রহণ, দুর্যোগ ঝুঁকি হ্রাসে স্থানীয় অবকাঠামো ও অবকাঠামো, সামাজিক সম্পদ ও নিরাপদ স্থান সমূহের তালিকা প্রনয়ন, ঝুঁকির কারণ সমূহ চিহ্নিত করণ, সর্বাধিক বিপদাপন্ন এলাকা চিহ্নিতকরণ, ঝুঁকি নিরসনের উপায় চিহ্নিত করণ, জলবায়ু পরিবর্তন এবং তার সম্ভাব্য প্রভাব নিরূপণ, উন্নয়ন পরিকল্পনার প্রধান খাতসমূহ চিহ্নিত করণ এবং বিভিন্ন সামাজিক সংগঠন সমূহের স্বেচ্ছাসেবক তালিকা প্রনয়ন করা হয়েছে।

২০১৪ সালে সিডিএমপি' ও সহায়তায় প্রনীত দুর্যোগ ব্যবস্থাপনা পরিকল্পনাটি প্রনয়নে যে সকল সরকারী এবং বেসরকারী সংস্থা ও ব্যক্তিবর্গ সক্রিয় ভাবে অংশ গ্রহণ ও পরামর্শ প্রদান করেছেন তাদেরকে আমি আন্তরিক ভাবে ধন্যবাদ জ্ঞাপন করছি। আমি আশাবাদী, স্থানীয় জনগন, স্থানীয় প্রশাসন ও বিভিন্ন সরকারী বেসরকারী প্রতিষ্ঠানের সমন্বয়ে দশমিনা উপজেলায় প্রণীত দুর্যোগ ব্যবস্থাপনা পরিকল্পনাটি দুর্যোগ ব্যবস্থাপনা কমিটি ও সংশ্লিষ্ট সেক্টরের (সরকারী, আন্তর্জাতিক ও জাতীয় এনজিও, দাতা সংস্থা ইত্যাদি) জন্য একটি সার্বিক পরিকল্পনা হিসেবে কাজ করবে।

সদস্য সচিব

উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি এবং
প্রকল্প বাস্তবায়ন কর্মকর্তা
দশমিনা উপজেলা
পটুয়াখালী জেলা

সভাপতি

উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি এবং
উপজেলা নির্বাহী অফিসার
দশমিনা উপজেলা
পটুয়াখালী জেলা

Preface

Bangladesh is a disaster prone country in the world. Due to Geographical disadvantage, the environment, losing balance of power, are facing various catastrophe like inundation, Tornados, drought, Erosion of river, earthquake, various cyclone, fogginess, white squall and so on. Bangladesh is river mothered country. The erosion of river for over flow of water, destroy the location of river side and all the inhabitants lose their all sort of livelihood and livestock and took shelter being pauper in the hovel on the high land or roads. Not only that, but also, men and industries' created catastrophe become the bane for calamity and people use to live in alarming plight. And also, by the horrific effect, all sort of assets, lives, livelihood, livestock and other resources of the locality may fall in danger. It does not destroy only the located people, also create obstacle for National and economical resources of the country. Though it is a disaster prone country but long term 'Disaster Management plan' has not been prepared for saving the human being, their all sort of resources, livelihood, animals and other asset, rather have been given importance to rehabilitation and on relief. Recently Government of Bangladesh has taken an initiative on the subject 'Disaster Management Planning' through CDMP 2. To implement the plan in action, primarily has taken an initiative for indication 'Disaster Risk' through conversation with all sorts of local people, Union and Upazila Management Committee. For Preparedness and reducing risk 'Disaster Management Plan' has provided to **Dashmina** Upazilla by indicating 'local disaster risks' through 'Disaster Management Plan' which will be efficacy for the forthcoming days.

At the time to providing the Plan all classes of people like male, female, cultivator, landless people, aged person, local elite persons, Union and Upazila Disaster Management Committee Members (UzDMC) were congregated. Locally this conspicuous doings have been done by the hard toiling of Shushilan Staffs and related analysis individuals. Disaster Management Committee of **Dashmina** Upazilla under **Patuakhali** District have provided this plan by efficacy toiling and restless endeavor. All kinds of important heart rending calamities as, awareness creation among family members and locality, to take preparation for facing risk would have to use local recourses, replacement of living assets and people to a safety place, rescue impediment people, necessary goods indication, and relief distribution have been included in the Upazila 'Disaster Management Plan'. If that plan come into being all kinds of calamities would be reduce and all sorts of materials of the people would be safe. Not only that, but also have included preparation before and after disaster, mitigation disaster by using Local resources, social assets, safety places, indication the causes of disaster, disaster warning sign, mostly disaster prone location, climate changes and its horrific effect, development sectors and name of the local volunteers as well as organization.

I am giving thanks from my core of heart to those very persons who have taken part and have given advice, like all Government and Non-Government Organizations and local persons to perform the conspicuous act in good manner. I am confident; this Disaster Management Plan which has prepared by the coherent cooperation of local people, Local Governances and other local organizations should help to Disaster Management Committee and other sectors (Government, International and National NGO, as well as Donor) to perform all acts as a overall plan.

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Chapter 1

Local Area Information

1.1 Introduction

Bangladesh is a disaster-prone country in the world. Climate change is one of the affected countries. Matter of future climate change, it is no longer just, it is happening around us now, and future changes in symptoms has now become clear. It is clear that the social and human development and real events having serious adverse effects. The south of the country and increasingly devastating cyclones, drought in the northwest, underground water level is going down, the north-east and central frequently floods and landslides in mountainous areas and across Grade River erosion danger makes the situation even more. Many do not know the proper way to influence the future of these still uncertain and the potential remedies and risk management.

Contingency Plan is included in the permanent disaster affected district, upazila, municipality and City Corporation has recommended the enactment of the Disaster Management plan. Disaster Management plans the CDMP taken very seriously. Sustainability and activities planning, intensive and feedback activities plan, concerned organizations, institutions and public participation depend on. Disaster Management Plan will be prepared for 3-5 years. Each Zilla less than country is affected by disasters. Dasamina upazila of Patuakhali district is one of them. The side of Himalayan small delta, Bangladesh. One of the talks at the natural beauty of the river maternal Land wonderful Leela. The natural flow of the settlement talks are here together in one beautiful love. Since the disaster in the history of the study of 2002 to 2013 can be seen until the ghurnijhara, tsunami, cyclone, Aila, Sidr, irregular rainfall, river erosion, storms, floods, drought struck the area. Cyclone, jalacchasa, nadibhangana, floods, erratic rainfall, drought, the country's conventional natural phenomena. For time immemorial, people of Bangladesh are suffering, survivors struggle with the natural flow. This is a major disaster under the menace of drinking. Upazila of Patuakhali district dasamina disaster every year, and the public has had an adverse impact on their lives and livelihoods. Every variety of disasters, but no such plans at the district level, there is no reflection. The disaster management plan as part of the overall disaster management dasamina under Patuakhali district is responsible for. This document from the 3rd chapter of 1st Bagha upazila social, economic, natural and infrastructure description, kausalapatrera relevance, potential impact on the underlying causes of climate change framework and Bagha, the story and the disaster management capacity of different adaptation strategies to attain a 3-5 year extended and hardens brief outline a plan of action. 4th and 5th chapters of ordinary people, especially in the social-political activists and development workers to increase participation in disaster management capacity to achieve and hardens organizational outline.

The poor from the adverse effects of climate change and endanger public security and the continuation of the country's economic development, the Ministry of Disaster Management and

Relief 'Comprehensive Disaster Management Programme (CDMP) as part of the local population nirasanakalpera disaster risk preparedness plan, designing a versatile pre-decided. The district level disaster management, climate change, the public face of the future vulnerability of socio-economic development, education, health, housing and other infrastructure development and implementation of the strategy has been to ascertain preferences therefore very important to have ideas at all concerned about.

1.2 Objectives of the plan

- To create mass-awareness of the risk of disaster at family and community level, the pragmatic ways of risk reduction at the level of family, community, union administration, upazilla and district commission.
- To promote risk reduction and development of process implementation system ensuring the most possible utilization of local assets, practice and implementation of locally prepared plan for exclusion, rescue, need analysis, immediate relief and rehabilitation.
- To construct a methodological document for a particular time and place.
- To prepare an integrated plan for Disaster Management Committee and all other related sectors (national, international, NGO, donors etc.)
- To provide the participants involved in Disaster Management necessary directions for preparing and implementing plans.
- To ensure and persuade the sincere participation, effective cooperation, responsibility and sense of possession in the disaster plan of related community.

1.3 Introduction to Dashomina Upazilla

Dasamina Upazila of Patuakhali district is situated in the east. Upazila in 06 unions, the village consists of 51 villages and 55 mouzas. Under the direction of the flows tetuliya River, west of the Patuakhali Sadar upazila on the south side galachipa, bauphala bounded toward the north. 300.74 sq km area of the district. Agriculture depends on agriculture as an area dasamina the region's main source of livelihood for the majority of the people. Patuakhali district, upazila dasamina rice, nuts, potatoes, drink, famous for the cultivation of watermelon. Abundant in the district, rice, peanuts, sweet potatoes, pepper, khesari, bean, sesame, mustard, watermelon, and drinking, and is producing. For agricultural irrigation in the region of rivers, canals and using rain water. Basabariya upazila in the BADC based Union of repositories seeds. It is Bangladesh's largest seed based repositories, which consists of 1044 acres of area-wide is 2009 established. As is now widely known landmarks. 2 Km away from the headquarters of the Union extends dasamina. Dasamina includes large lake house. An illustration of the old achievement.

1.3.1 Geographic Location

Patuakhali district is situated in the east dasamina 08 sub-districts in a dasamina sub-districts. Nature of the lowland area of 300.74 sq km of the land, the land here from 33 to 50 feet from the

sea level height. The average rainfall of 75 millimeters. To the east of the river tetuliya dasamina sub-district, west of the Patuakhali Sadar upazila galachipa south side, the north side bounded bauphal. Three small rivers flow through the sub-district.

1.3.2. Area

At a distance of just 40 km from the district headquarters of district 06 dasamina Total 300.74 sq km area which consists of the union. Patuakhali Sadar upazila on the north and west dasamina bauphala, galachipa and previously Lalmohan upazila. The total number of 55 mouza and a total of 51 villages under the subdistrict.

Table 1.1: Name of union mouzas and Go code number.

Upozla Name and Go Code	Union Name and GO code	Name of union mouzas
Doshomina (15)	Alipur (10)	Candpur ,moubariya, Modhupur, Rohitpur, Khalishakhali, mirmodon, west alipur, East Alipur, (Total mouzas=09
	Bohorampur (21)	Bogura, Bohorampur, Bohorampur, south Adompura, North AAdompura (total mouzas=04)
	Basbariya(31)	Basbaria, chor-Basbariya, Chor-dhandaniya, Chor-Hosnabad, SouthDasp, Gashaniya.
	Betagi Sankipur(42)	Betagi,BetagiRambollob,BetagiShankipura,Chinguriya,DabariBetagi,Gormali,Gopaldi,Jafrabad,Betagijafabad,Mashuakhali, Mashuakhali,Chor,Samirmardana,SertaluBetagi,Tafalbariya (Number of mouzas=15)
	Doshomina(52)	Arosbagi,chorDoshomina,Chorhadi,Doshomina,GopaldiNejabad,kantakhali,Laxmipur,EastLaxmipur,Sayedjafra, (Number of mouzas=10)
	Ronogopaldi(84)	Auliyapara,chor-Borhan,chor-Ghurni,Chur-Shahajalal,SouthRonogopaldi,Guli,Joutha,PaterChor,UttorRonogopaldi.Number of mouzas=09)

Source: BBS-2011

1.3.3. Demography

The total population of the dasamina upazilla under ptuyakhali district 1,23,388 in which male number 60241 and number of female 63.147. The population density of 351 persons / sq km, a total of 28,490 households. These sub- districts, 84% of Muslims, 15% were Hindu, the other 01%,Christian , Buddhist and there is no tribe.

Table 1.2: List of demography of Dashomina Upazilla

Union Name and GO code	Male	Female	Childs(0-15) %	Olders(60+) %	Diseable%	Total Population	House Hold	Voter
Alipur(10)	10183	10355	38.1	7.2	1.4	20538	4981	12443
Bohorampur(21)	7476	8494	37.6	9.9	1.4	15970	3677	10797
Basbariya (31)	8850	9490	36.9	8.8	1.3	182509	4170	12083
BetagiSankipur(42)	9620	10038	32.7	7.6	0.9	19658	4547	12758
Doshomina(52)	13238	14153	37.1	7.8	1.5	27391	6003	17380
Ronogopaldi(84)	10878	10698	38.2	9.2	0.6	21576	5112	14650
Total	60245	63147	37.6	8.3	1.2	123392	28490	80111

Source: BBS-2011

1.4 Structural and Non-structural Information

Dasamina originally is an agricultural upazilla. Agriculture and fishing are the main source of livelihood for the majority of people. So the industry has not developed agriculture based. All wards upazila, union rural electricity coverage. Several sub-districts, small and cottage industries, but there is a large industrial organization. In the meantime, poultry farms, cattle farms, auto rice mill, printed ditch, Welding Factory, coldastores, brick-kilns and cottage industries of various types. The industrial-Ice factory, flour mill, sa-mill etc.. Infrastructure and non-infrastructure barriers are to information, sluisa gate, roads, bridges and culverts etc.

1.4.1 Infrastructure

To prevent flooding and tidal water sub-districts dasamina river and canal coastal region has a small matching embankment total 3. The total length of the dam is about 35.5 km, located in the figures below, we have started a union based.

Embankment

Dasamina sub-district includes 35.5 km embankment. 06 km far from the gate of which appeared Dashomina College. Answer ranagopaladi Amir Uddin Sharif guard house on the west side of the house jomaddar fit up to 10 km ewe embankment. Embankment Kalibari building. (Which need re-construction). Western Union has caraghuni from North, South aija Uddin



Fig 1.1: Sluice Gate of Dashomina

guard house until 03km embankment side phakirabari embankment which is now (has 1000-1500ft)

Sluice Gate

Basement has many rivers and canals adjacent streets dasamina sub-district. Ranagopaladi 1 in the North, Central ranagopaladite 1, puhauliyapure 1, puhpase kalarani markets, market 1 pataracara sluica, calabhanga side of the canal, canal bhutiyar 1, Alipore sluijera market sluisa Gate 1.

Bridge/Culvert

Patuakhali district in the dasamina Upazilla many small rivers and streams have a net spread. With the management of the business and trade district, sub-district in the district of direct contact with the union has 369 bridges. There are 135 small and large culverts. This bridges the iron, concrete and wood. Dasamina has 6 union Total 466 Bridge / culverts . Below are a significant part.

Dasamina ranagopaladi tagarirahata from the Patuakhali (part of dasamina) 1 of the street has kalabhata. Bangaler has kalabhata basariya Union has 05 roads. The street from the Union has hajirahat has kalabhata dasamina 03. There are street markets kalabhata dasamina HQ 02 of the Alipore. The street from HQ grathasentara dasamina kalabhata ulaniya rangapaladi has become hats 08. There are street kalabhata ulaniya grathasentara from Alipur grathasentara 09. There are also 07 street kalabhat grathasentar gachani hajirahata grathasentar tibaragopaladi grathasentar kalabhat roads are grathasentar Alipur 03. Ayesha has hats from grathasentar kalabhat baragopaladi 08 RHD roads. From UP to dasamina khairahat streets, here are 03 kalabhat. Dasamina arajabegi market road from UP, here is kalabhat 09. UP dasamina mollarahat the road, here are kalabhat 1. UP rangapaladi rabibarirahata the road, here are 02 of kalabhat. Hats kapuriyakataciri Alipore road from UP, 02 posts are here kalabhat. Alipore patabuniya composition from UP to Centre street, here are kalabhat 03. Hats betagisanakipur jamiramrdhar road from UP, 02 posts are here kalabhat. Hats betagisanakipur HRS Bengal road from UP, here is kalabhat 03. Here the road from UP rora basambariya dahdasapata RHD has kalabhat 04. From the streets to the UP baharamapur Tagore hats, here are kalabhat04. Hats dasamina machuyakhalir road from UP, here is kalabhat 03. The road from the primary school hats basabariya UP, here are 02 of kalabhat. Basabariya bagira market road from UP, here is kalabhat 04. There are street markets kalabhat madhupur from Alipur UP 02. UP rangapaladi pataracara moon hats from the road, here are 02 of kalabhat. Caraborahan Union has rights to the prevailing road, here in the streets of the fort kalabhat neicaraborahan adasyagram eyarathana 3 km from the road, 3 km in the raw. From here kalabhat neipujakhol Katakali kalabhat Here is the elevation of the road is 02. 3 km west of the road from BWDB polagora Hats caraguni road, here are 01 tiramanat Sen kalabhat pancama alirabari from GPS road, here are kalabhata 1. Here is the road to the dam from UZR hajirahata dandaniya BWDB Katakali BWDB from 1 kalabhat

rayechenigabadnon-GPS dam road, here are kalabhat 1. Bagura karapurakathi badara road from R & H, here are kalabhat 1.

Road

346 According to the information of the number of total road upazila LGED dasamina daighya 937.39 km of which 83.66 km facilities, 82215 kihmihkamca brick roads and 3022 km of upazila, union, rural part of the following components of the stand.



Fig 1.2: Basbaria via Dashomina Road

Upazilla Road

Dasamina ranagopaladi tagarirahat from the Patuakhali (part of dasamina) up to a total of 129 km of roads, 129 in the cobbled streets of the Union has basariya 4.3 km, 4.3 km in its ripe. Union has a total of 3.03 km long road from dasamina hajirahat, 269 km of roads in the brick. 682 km of road from HQ dasamina Alipore hats, tanned in the 682 km. Hats rangapaladi the road from HQ ulaniya dasamina growth center total 15.7 km, 214 km in the terraced, brick road, 13.56 km. Total 9.58 km from growth center ulaniya growth center Alipur road, her tanned .75 km, 8.83 km and mud. Up to a total of 5.5 km of road growth center hajirahat gachani growth center, tanned in a total of 8.4 km of road is 5.5 km gopaladi growth center. growth center Alipur, Ayesha from her hat in the raw 8.4 km baragopaladi growth center RHD road total 8 .5 km and 05 km in the ripe, raw 3.5 km.

Union Road

3.9 km of the road from UP dasamina khairahat, 3.14 km in the mud, brick road .05 km. Dasamina Union Parishad road arajabegi market total 5.35 km, 5 km in the ripe, raw .35 km. 8.4 km of the road from the mollarahat dasamina Union Council, in its facilities 01 km, 7.3 km and mud. 4.1 km from the Union Council of rangapaladi rabibarirahata road, facilities within 0.5 km, 3.35 km and mud, brick road 25 km. Union Council of Alipore kapuriyakataciri Hat 4.6 km road, facilities within 01 km, 3.6 km and mud. Union Council of Alipore patabuniya texture Centre 5.15 km long road, facilities within .4 km, raw .7 km. A total of 3.1 km from Union Council jamiramrdhar Hats betagisanakipur roads, 01 km west of its facilities, raw .4 km. Union Council of Bengal Hats betagisanakipur HRS 7 km road, Raw 7km basbaria Union Council dahdasapata RHD road Total .1 km, 1.9 km and mud. Hats from the streets of Union Parishad baharamapur Tagore 8 km road, facilities within 0 km, 52 km and mud, brick road .8 km. 3.4 km from the streets to the UP dasamina machuyakhalira Hats roads, 01 km west of its facilities, raw .4 km. Hats from the primary school to the streets of UP basabariya road 4.5 km, 4.5 km road in the mud. From the streets of UP basabariya bagira Market 22 km of roads, 22 km of roads in the mud. In the streets of UP 4.8 km from Alipur madhupura hats, raw 4.8 km. Hats from the Chandra to the streets of UP rangapaladi pataracara 4 km road, 4 km in the raw.

Village Road

From there the streets of Union has caraborahan rights to the road 22 km, 22 km in the raw. In the streets of the village to the center of the cyclone caraborahan adasya .5 km road, in its raw .5 km. In the streets of the castle 3 km from adasyagram caraborahana eyarathana road, 3 km in the raw. From the streets to the house of Union has caraborahan Zainal caukidarera .5 km road, in its raw .5 km. Pvt schools madrasa registration caraborahan the streets of the saiklan selatara 3 km road, 3 km in the raw. Being the center of the house saiklan pataracara pharajira the streets of South pataracar .5 km road, in its raw .5 km. 04 km west of the road from the road pujakhola Katakhal elevation, 243 km in the raw, brick road, the road of 1.58 km caraghuni BWDB 3 km road from the polagora hats, 3 km in the raw. 4 km west of the road from nibarakanda auliyapur Hats caraghuni road, 4 km in the raw. 3.5 km of the road from Banda ulaniya UZR Kalibari road, 3.5 km in the raw. Pataracara canderahat .5 km from the Sunday market of the road on the road, in its raw, .5 km. Shane GPS ramanat total of 3 km road pancama alirabari the road, in its raw, 1 km, km roads brick road. 1.5 km of the road from tankerabanda badara betagi UP road, 1.5 km in the raw. 3 km west of the road from the road tankerabanda ahraseda phakirabari, B & B in the raw 3km sluija 4.5 km of the road RPS sluija Roy High School are on the road, 4.5 km in the raw. .5 Km of the road from the road prahbidiyah ramanatasena canderahata, in its raw .5 km. Apparently the road to total UZR dandaniya BWDB hajirahata km road, two km in the raw. 5 km west of the road from gayanaghata nayabhanguni rights to the road, 5 km in the raw. The road up to the dam of the BWDB non-GPS nigabada Katakhal 5 km road, 5 km in the raw. R& HRD km road to total road carahosnabada madrasa, in the mud at the km. Total up the road from R & H karapurakathi badara bagura 1.78 km road, 1.78 km in the raw. .5 Km of the road from the road prahbidiyah ramanatasena canderahata, in its raw .5 km. Here there is no kalabhata. Apparently the road to total UZR dandaniya BWDB hajirahata km road, two km in the raw. 5 km west of the road from gayanaghata nayabhanguni rights to the road, 5 km in the raw. The road up to the dam of the BWDB non-GPS nigabada Katakhal 5 km road, 5 km in the raw. R & HRD km road to total road puh carahosnabada madrasa, in the mud at the km. Total up the road from R & H karapurakathi badara bagura 1.78 km road, 1.78 km in the raw. Cikeragudhi 1.5 km of the road from the road sikadarabari neharabara gopaladi UZR, 1.5 km in the raw. A total of 3.5 km of road from betagihata cinguriya Road, 3.5 km in the raw. Kharija betagi 5 km road from high school cikara sluija total of 5 km in the raw. A total of 6 km road from thakurerahata sariyatiya Dakhil Madrasa, in its raw 6 km. Machuyakhali Bridge Road in the R & H Total 4 km road, 4 km in the raw. A total of 3.44 km road bagiroda Ali mollabari, raw in its 1.87 km, 1.54 km brick road. A total of 4 km from the dam gachaniroad BWDB Bubo the road, 4 km in the raw. Alipur Road to the mart arojabegira dasamina 7 km road, in its raw 3.85 km, 3.15 km facilities. Saeed Zafar arojabegi Bridge to Bridge the total .8 km road, in its raw .8 km. .5 Km far from the center of which an assessment of the road saw the cyclone, in its raw, .5 km. There is a total of 3.9 km of bridges yautha rangapaladi High School road, 3.9 km in the raw. Moreover, Mullah Ahmed Total 3 km up the road from the house yautha cyclone center, 3 km in the raw. .5 Km from the leaves up to the market rights to Pirate Alipur road, in its raw .5 km. The rights to a total of 325

km of roads pataracara saiklana center, 325 km in the raw. Pujakhola hajirahata from the house until a total of 3 km road caukidarera Karim, 3 km in the raw. A total of 5 km from the Bund kaphulabamira Hats polagorara high road, 5 km in the raw. A total of 1.5 km of road from membarabari Anwar gedahajirahata, 1.5 km in the raw. Banasibariya .8 km road up to the house from the mosque dhulu Hawlader, in its raw .8 km. Pirate banasibariya adasyagrama 3. km road from the community pherighata total, in its raw 3. km. 5 km from the center of the cyclone yautha ulaniya UZR road, 5 km in the raw. There is a total of 3 km from the house Azahar Khalifa Alipur road hats, 3 km in the raw. Canapura adasya RPS 3 km far from the seminary dicadapura Hafezia road, 3 km in the raw. From a total of yauthabrija kalibaribanda km road, two km in the raw. Kadabanu membarera buildings house a total of 1.5 km of road pancama alikhana, 1.5 km in the raw. A total of 3.5 km of the road from the harbor niyabada ranuyahata, in its raw, 1.5 km, 1.4 kimih terraced, brick road, 0.6 km. From the high school to the tankahata badham puhaliपुरा .5 .5 km mud road in km road. Dasamina UP office building near the bridge until the veteran member of the two km road km mud road. From the north bank of the 4.5 UZR gainaghata gopaladi km road 4.5 km mud road. There's the big gopaladi UZR gainaghata km road km mud road between the two. W. E. adasya grams to 4 grams carahadi adasya km road 4 km mud road. Bholā district far from the border of the forest office carahadi km road km mud road between the two. Carahadi w. Border puh boparadera 1.5 km to 1.5 km and mud road in the street. Puh-minded, far from the canal 3 km road pahpasera carahadi badara 3 km mud road. Carahadi cyclone center 3 km mud road in km road puhdikera River 3. From the Forest to gadenera puhnadi carahadi puhbadara km road 5 km mud road until 5.

Village Road-B

East betagi bidyah 4 km road from the mud road caumuhani 4 km. Sikder betagi mahisa exposing anything from the house to the canal in 1.64 km road. 1.64 km mud road. Hats from the 3.7 km road bidyah sahprah betagi betagi 3.7 km mud road. From bridges to buildings madhukhali dahadamapura Sports daragira km mud road between the two km road. Hatim Ali, from the fetters of the canal betagi dahbari .5 .5 km mud road in km road.



Fig 1.3: Union mud road

From market to market nehalaganja adamapur km mud road between the two km road. BWDB gachani Khan from dam building in the 1.5 to 1.5 km and mud road km road. Girls from the dam BWDB kamtakhali dasamina bidyah 3.7 km mud road in the 3.7 km road. Sayed Jafar canals to the dam of the BWDB km road km mud road between the two. Nurul Haque Mridha house badara betagi Union Council 26 km mud road in the 26 km road. Bunda tankhera thekebetagi Union Parishad badara km road 5 km mud road until 5. 1.75 to 1.75 in the

canal of the moon from bunda km road Katakhalai km mud road. There's sahpah bidyah bidyah Pvt saw the horns bholai .5 .5 km mud road in km road.

Two km from Hut baragopaladi saphera Ali Street in the house until the km mud road. Apparently the 122 S rambalabha Pvt bidyah km road BWDB in the mud road 122 km. Far from the house of Majid km road Pvt bidyah rambalabha km mud road in two. There's Chicken Hut puhbetagi from sluija km road km mud road between the two. 3. km road rambalabha Dakhil Madrasa in buildings until tachimuddinera 3. km mud road. Rarira mojjaphaphara Haji Ali Khan from house to house until 4 in the 4 km mud road km road. Member jahangira basabariya nedaralyanda Hospital buildings in the 1 1 km mud road km road. Siege Master, from house to house Akbar Mridha 3 km road 3 km mud road. From house to house of Anwar Mirer sidu basabariya garajira km road km mud road between the two. From slave to Mullah Ibrahim kacirakhala Hats Hats km mud road in between the two km road. Omar Ali, from house to house uhpase baharamapura haricaranera km road 1.3 km mud road in the 1.3. From house to house Hatem Ali Miah manayara uhadamapura km road 1.5 1.5 km mud road. His house is the house of Ali Hamed km road Jitendra between 1.7 to 1.7 km and mud road. Up to the house earlier in N bahampur raribari .7 .7 km mud road in km road. Ali Bogra city guard house to the house earlier in the 1.4 to 1.4 km and mud road km road.

Table 1.3: Types of Road

Kinds of Road	Number	Length(k.m.)	Pavement(k.m.)	Earthen(k.m.)	H.B.B
Upazila Road	09	90.58	48.16	26.23	16.19
Union Road	15	72.69	15.00	54.59	3.10
Village Road A	115	352.75	13.15	332.67	6.93
Village Road B	207	419.67	7.00	408.67	4.00
Total	346	937.39	83.66	822.15	30.22

Source: LGED, Dashomina

Irrigation System

Dasamina depends largely agricultural area under agriculture in the region as the main source of livelihood for the majority of the people. Patuakhali district, upazila dasamina rice, nuts, potatoes, drink, famous for the cultivation of watermelon. Abundant in the district, rice, peanuts, sweet potatoes, pepper, khesari, bean, sesame, mustard, watermelon, and drinking, etc. It is the production of agricultural irrigation for the people of the river, canal and using brstira water. NGOs as well as by the placement of the dry season in deep wells, power driven pumps are used. While the rice cultivation has decreased greatly, but irrigation for cultivation of rice and other necessary actions. Subdistrict in 4347 the total number of tube well, deep tube wells in 1436 officially set up, A-deep well in 2423, 488 of the power-driven pumps. There is no barenda Office at subdistrict. Depending on the total land under irrigation in the agricultural districts, 39.103 hectares. Abundant in the dry season irrigation is jamigulote. Easier way to manage tasks

being used for irrigation rivers, canals and water brstira by NGOs as well as Advanced placement, power tube. Which is very low compared to needs.

Hat-Bazar

Agriculture and Fisheries of dasamina but no large-scale industry has not developed here. However, several of the sub-mill, flour mill, brick kilns, etc. Welding industry and art. Each of these hats in the market because of the region bounded samudrika upakulio fish farming, fishing upakana found. The agricultural crops which are marketed in over 21 markets and 4 districts, the total composition of the Centre. Hats in-Alipore, kalamiyara Hats, Hats slujjera Alipore, Amtail Hats, Hats nehalaganja, South Jalandhar Hats, Hats gachanira, basambariya launch ghat. Baragopaladihata, Tagore hats, land mrdharahata, betagira Hats, Hats nalakhalara, arajabegira Hats, hats appeared. Ron Gopaldi hats, auliyapura Hats, Hats jautara. Large quantities of rice every year from all the hats, peanuts, sweet potatoes, pepper, khisari, sesame, mustard, watermelon, and drinking etc. are exported. The districts also blacksmith, potteries, are welded workers. Here's The following union-based Hats

Table 1.4: Dashomina CBD at a Glance

Name of Union	Name of Hat/Bazar
Alipur	Alipurhat, Kalamiyarhat, Alipur sluiceserhat.
Bohorampur	Amtolarhat,nehalgonghat,Dokkin adompurhat.
Basbariya	Gassanirhat,Basbariyalonchghat.
BetagiSankipur	Borogopaldihat,Thakurerhat, jomirmredarhat,Betagirhat.
Doshomina	Nolkholarhat,Arojbagirhat,hajirhat.
Ronogopaldi	Ronogopaldirhat,Auliyapurhat,jutharhat.

Source: Upazilla e-portal, 2014

1.4.2. Social resources

Social resources of the area is dependent on the prosperity of the area's socio-economic conditions. Galachipa district communication, religious and educational institutions, prathanasthana, playground, financial institutions, post offices, various cultural organizations, forestry, etc. are regarded as social resources. NGOs in this area in a variety of development activities have been identified as those of social resources. (Source: Upazilla and Union Council, dasamina)

Households

The region was under the sea under upakulio homes usually soil, trees, tin, bamboo, brick, pata, straw, clay tile, brick, sand, rod, cement, etc. are using. Odoyasa sandy soil. Parquet wood floor and is aimed at the teen yaya, the area of the bricks, sand, cement, made by big to fetch the

number of buildings is very low. Framework for the protection of crops produced in the deck and the top of the system of homes are made. (Sources: Bangladesh Bureau of Statistics, 2011)

Water

The total number of tube well for drinking water in the district dasamina sub-district in 4347, the official placement of deep tube wells 1436, 2423 undep tube well, 488 is powered pumps. There is no barenda Office at sub-district. There are 34 tube wells in the damage. Tap 0.2% of people in the sub-district, 94.6% tube well and 52% of the other. Drinking water source is a deep tube well under use. From 0 to the current level of 5.3 meters in the water sub-districts. If the layer is less than the current



Fig 1.4: Dashomina High Tubewell

level of water in the salt water had not seen ancatera nalakupe. Sub-district in which 70 high-wells, sank during tidal surgh, flood or not, according to the Office Alipur, 343 BMW engineers of Public Health in Tube contains 04 damage. Baharama examined damage contains 04 of the 254 government Tube. Damage contains 02 of the 307 public Tube basabariya. Betagi sankipure damage contains 05 of the 90 government Tube. Dasaminate damage contains 16 of 453 government Tube. Every government has 15 in 289 ranagopaladite Tube. high tubewell water catastrophe supiya gamabasira trsna bisasa role is to meet. (Sources: DPHE, dasamina sub-district offices)

Statistical analysis of the image can be seen in the graph dasamina BMW 6 94.6% of the total people in unions as a source of drinking water wells of water, tap water, and 52% of people 0.% of other sources such as ponds, canals / coves, rivers, etc. If the water is collected and used. In addition, alternative measures, including alternative sources of drinking water have all iuniyanei. This drought season goes down to the underground water level and normal water supply wells in this area was hindered by the masses, especially children, the elderly, disabled, pregnant and pregnant mothers and livestock jhumkigrastha is abject. Increased incidence of water borne diseases is likely to get a variety of views. Now, the pure water from. (Sources: DPHE, dasamina sub-district offices)

Sanitation System

71.71% of this sub-district so senitesana coverage to ensure proper sewerage and health risks at their own cost to DPHE dasamina BMW spare parts to repair the tube with respect to the purchase, the government set prices slab ring



Fig 1.5: Dashomina Siled

sales / supply, check the levels of arsenic in water (in the form of limited), the district headquarters of water supply through pipelines, by providing advice to the public and to create healthier latrines disaster sahayogitamulaka operate with the local administration. Comparative figures of the Union district dasamina sanitation (percentage) is highlighted by graph picture. (Sources: DPHE, dasamina sub-district offices)There. There is no sewerage system in the family as a result of droughts, floods, water logging, north-wester season when the sewage system collapsed in the region directly and indirectly to the public, especially children, the elderly, disabled, pregnant and maternity mother even livestock are falling into serious risk.

Academic Institution and Library

Dasamina sub-district of Patuakhali district approximately 65% literate, male 68%, female 6% dasamina sub-district of Patuakhali district 143 GPS (New non-GPS), including non-GPS 38, secondary high school 16, others 26 , 22 madrassas, including the public / private 4 colleges. Disaster at other causes is used as the center for education Institution. Below is a brief list of the educational institutions of the Union in sub-districts dasamina Attachment 8: This has been provided.



Fig 1.6: Dashomina Model High School cum Shelter, Dashomina

Religious Institutions

Dasamina sub-districts has different religions live sus as Islam, Sonaton, Buddhist etc. This upazilla 126 mosque, temple 44, Buddhist monastery, there are pagodas and there is no church.

Religious Place (Eidgah)

This sub-district is 90 Eidgah. Muslim entourage met twice a year and to pray in congregation. This Eidgah Mosques normally specific location used as shelter when pursued as the Grounds are coitus.



Fig 1.7: Dashomina Upazilla Masque



Fig 1.8: Dashomina Edgah

Health Services

Upazila Health Complex has 1 and 50-bed. Upazila health and family welfare center 16 where 09 doctors, 13 senior nurses, 01 assistant nurses, health and family welfare center 11, family planning clinic 13, MCH Unit 01, and the number of couples are able to 25,833 people in the districts.



Fig 1.9: Dashomina Helth Complex

Banks

What is significant under dasamina Bank

Bangladesh Krishi Bank, Janata Bank, Agrani Bank, Rural Agricultural Development Bank. There are a total of 05 banks in this subdistrict. (Data sources, Upazila and Union Parishad, dasamina)

Post office/Sub-Post office

Departments as well as other organizations digit touches of modernity. Subdistrict dasamina Post Offices / Sub-Post Offices 07. (Data sources, Upazila and Union Parishad, dasamina)

Club/ Cultural Center/ Entertainment

Dasamina subdistrict appreciation of some of the clubs are clubs, sports organizations below the table. (Data Sources: Upazila Union Parishad, dasamina)

Table 1.5: Club and cultural center

Club	Union
Upojela Porishod Eakados club.	Doshomina
TNT Eakados club.	Doshomina
Molla Eakados club.	Doshomina
Mashuakhali Eakados club.	Doshomina
Borogopaldi Hazibari club.	Doshomina
Thakurerhat club	Doshomina
Betagirhat kriyasongo club	Alipur
Jomermridhahatkriyasongo club	Alipur
Jolisha bazaar kriyasongo club	Basbariya
Kadomtola hosnabad kriyasongo club	Basbariya
Chopkhali kriyasongo club	Basbariya
Upojela Porishod Eakados club.	Doshomina
TNT Eakados club.	Doshomina
Molla Eakados club.	Doshomina
Mashuakhali Eakados club.	Doshomina
Borogopaldi Hazibari club.	Doshomina
Thakurerhat club	Doshomina
Betagirhat kriyasongo club	Alipur
Jomermridhahatkriyasongo club	Alipur

Source: Union Parishad, Dashomina

Frost and Plantation

dasamina Upazilas of Patuakhali are Disaster prone region. Here the forest is decreasing every year due to natural disasters and the salt. However, the local administration and NGOs in the process of social forest. About 12 percent of the forest. Featuring NGOs are also due to the area that is now locally stressed enough on social forestry. Forestry work going on personally. There are 10 forestry subdistrict



Fig 1.10: Dashomina Socila Forestation

dasamina.

Industrial factories

Dasamina Upazilla 90 percent of the people are dependent on agriculture and fish. Upazilla at a large industry, small scale industries, there was on average, a very small number of people working in government jobs. Sub-district in small business plants, fish business, business of rice and pulses.

Significant infrastructure

This upazilla has BADC-based seed subdistrict basabariya Union of repositories, which is located at. It is Bangladesh's largest repositories of seed based on area-wide and 2009 acres in 1044.



Fig 1.11:Dashomina CBD



Fig 1.12:Dashomina Small Farm

NGOs/ Voluntary Organizations

As the disaster area bounded dasamina vulnerable populations to improve the quality of life at different baji, and have been operating here. These CCDP, significant. Family planning, micro, teaching education, violence against women, sanitation, micro, sanitation, vulnerable to legal assistance, health care, eye disease diagnosis and treatment services, the poor free medical care, maternal and child health, child education.

Play Grounds

Dasamina districts adjacent to almost every school playground. Playground in the 15 subdistrict hundreds of high ground. Other causes of the disaster at the shelter, as pursued in coitus.

Graveyard/Cremetorium

There are 58 cemeteries and a few Cremetorium dasamina subdistrict. According dasamina Upazila Parishad and Union based Cremetorium galachipa subdistrict there are no official cemetery. The north and east auliyapurera basambariya panite tide sank some cemeteries. Village of the river's tidal waters graveyard is so down.

Communication and transportation

Dasamina districts, primarily as a means of communication and transportation by road and river paths are used. Rickshaw, motorcycle, nachiman are major transportation media in the region. 895.04 km road length in the district. District road 9 the total length of 75.05 km, Rural roads of A 115 which the length of 336.72 km, rural roads of B 206 with a length of 412.66 km. (Source: LGED, Upazila Dasamina)

Forests and forestry

Dasamina districts have considerable reputation for plants and forestry. There are lots of fruit trees in the subdistrict with the green plants in the region, there is no shortage. Akasamani plenty of mango, children, apple, eucalyptus, arjun, akasiya, acacia, plum, corn meal trees. Officially there are 10 hectares of forests in the district, particularly the role of the economy in the district. (Source: Upazila Union Parishad, Dasamina)

1.4.3 Weather and Climate

Climate is no fixed period of rainfall, temperature, frost, dewfall, hail, fog and humidity with a mean average weather. Amount of precipitation and temperature determines the type of naturally occurring plants and agricultural crops. Different crops grown in different regions so rtubhede. The south-west monsoon rainfall. Giving the analysis of climate data that, like other areas of the upazila in the tropical monsoon climate. There are mainly three seasons in sarartur eloquently here. From May to October rainy season usually lasts. Down almost 91 percent of the time. The incidence of depression is higher in the Bay of Bengal in May-November. Cyclones and storm surge of a year in the region are affected. Winter starts in November and ends in February. The season is very dry and cold, a little rain sometimes. Summer or pre-monsoon month of March and April are considered. Water vapor in the air is very hot and the air is very low. Sometimes storms have occasionally gusty winds. It 'nor' wester 'is called, Is found at the time.

Rainfall

The analysis of rainfall, winter rainfall of 11 mm, which is less than the time of evaporation. Long-term statistics show that giving more, 4/5 months of the winter season is dry year, the monsoon season rainfall exceeding a month. From November to March, monthly rainfall is less than 75 millimeters, depending on the month and therefore called the dry months. Shown below are the average rainfall and temperature, respectively dasamina weather Patuakhali district is considered to be the center of the weather is almost similar.

Table no.1.6:Patuakhali Weather Center annual rainfall (mm)

Month	Jan	Fab	Mar	App	May	Jun	July	Aug	Sep	Oc	Nov	Dec	Yearly
Rineful	13	16	48	109	274	579	600	524	401	177	62	20	2823

Season	The average rineful of season
Season of Robi (Nov- Feb)	111
Season of Pri-khorip(Mar-May)	431
Season of Khorip (Jun-Oct)	2281

Source of: Patuyakhali zila webprotal Dec-2013

Table no.1.7: Annual average temperature

Mon th	Jan	Fab	Mar	App	May	Jun	July	Aug	Sep	Oc	Nov	Dec	Yearly
তাপ মাত্রা	19.0	21.8	26.2	27.9	28.8	28.2	27.4	27.5	27.4	27.7	24.9	20.6	25.6

Source of: Patuyakhali zila webprotal Dec-2013

Considerable decrease and increase of temperature occurs in winter and summer. Patuakhali Weather Center long-term average temperature (Degree C.)

Ground water level

Dasamina Upazila of Patuakhali district from 0 to 5.3 meters below ground water level.

1.4.4. Others

Land use pattern

Under the somewhat uneven flat alluvial tract of land consists of high lands and bills. Mainly at the upazila is divided into two regions of the earth's natural. (A) tide alluvial soil and (b) alluvial soil Meghna. The total net amount of 16,500 hectares of land under crop, of which 39.103 hectares of total agricultural land. 3015 hectares of agricultural land in the one-, two-and three-crop land, 9018 hectares, 4367 hectares of crop land. 13448.64 acres of khas land, 13445.77 acres of agricultural land, 2.87 acres of agricultural land, Valid khas agricultural land (agricultural) are 533.27 acres.

Agriculture and Food

The main produce rice, peanut, sweet potato, pepper, khisari, sesame, mustard, watermelon, and drink. So, this region is also plenty of seasonal vegetables. Sub-district total of 23,834 hectares of land, 16,500 hectares of agricultural land with a net, a total of 39,103 hectares of agricultural land 3,015 hectares of agricultural land, the crop land 4,367 hectares and 9.118 hectares of agricultural land in three. 13448.64 acres of khas land, agricultural 13445.77 acres, 287 acres of agricultural, bandobastayogya



Fig 1.13:Dashomina Agro Land

533.27 acres of agricultural land 11,884 Number of districts dasamina pond. Districts to fill the demand for the annual Fish Fish farmers through new aquaculture initiatives come forward. Possible development of the fish resources of the district. So dasamina upazila fisheries resource, the development of this vast potential for fish production capable. Districts to fill the demand for the annual Fish. Fish farmers through new aquaculture initiatives come forward. Possible development of the fish resources of the district. Before dasamina districts cattle are less almost every household. Livestock feed and fodder grass in the absence of the need of the day is decreasing. The appreciation of cattle farms, chicken farms, the number of developed 11, 96 broiler chicken farms that are self-reliant people will be able to make a significant contribution to the economy.

River

Bangladesh is a country of rivers dimensional. Each region of the country to spread the net, there are many rivers. Patuakhali district is located on the banks of River dasamina tetuliya sub-district. Districts, two large rivers in the river and tetuliya bura gauranga River, including Tagore Hats 3 in 1 small rivers. 1 No. ranagopaladi dasamina East side of Union to become the Pirate Hat Alipur Union East side of the changra becomes the dasamina kalaranir Hat, Hats arojabegir dasamina Union Hajir hat on the side of the market's eastern side basambariya baharamapur gedar tetuliya rivers flowing to the market.

Canals

Dasamina upazila of the district includes 06 unions in the many canals. There is a canal in betagi sanakipura candraba's been flowing through. Central Union of dasamina, dasamina Union. In which machuyakhali be dasamina baragopaladi, Tagore hats, Ramabhallaba, land Mridha hats,



Fig 1.14: Dashomina Masuakhali Khal

Canal, Canal carahonabad, Arajabegir canal, canals catakhali, Tentuliya rivers, canals Syed Zafar and nalakhala Canal, Canal khalisakhali, ponahura hathakhola Canal, Canal Dhalapara, jimatala Canal, Canal Hogla, kumarkhali Canal, Canal dasamina bharani. With the boro gopaladi dasamina in Alipur Union has a canal, which flows through the Alipore ulaniya. This canals total length of approximately 40-50 km. (Source: Upazila and Union Parishad, Dasamina)

Ponds

Web portal 2011, according to the number of ponds 7,454. According to the latest data in the fisheries ponds dasamina subdistrict office of the current total of the ponds 11,884. suitable for used in ponds of 60 percent. Fish farming in the business districts the 10% and 90% of the ponds are used to meet family needs. (source: Dasamina fisheries office)



Fig 1.15: Dashomina Small Pond

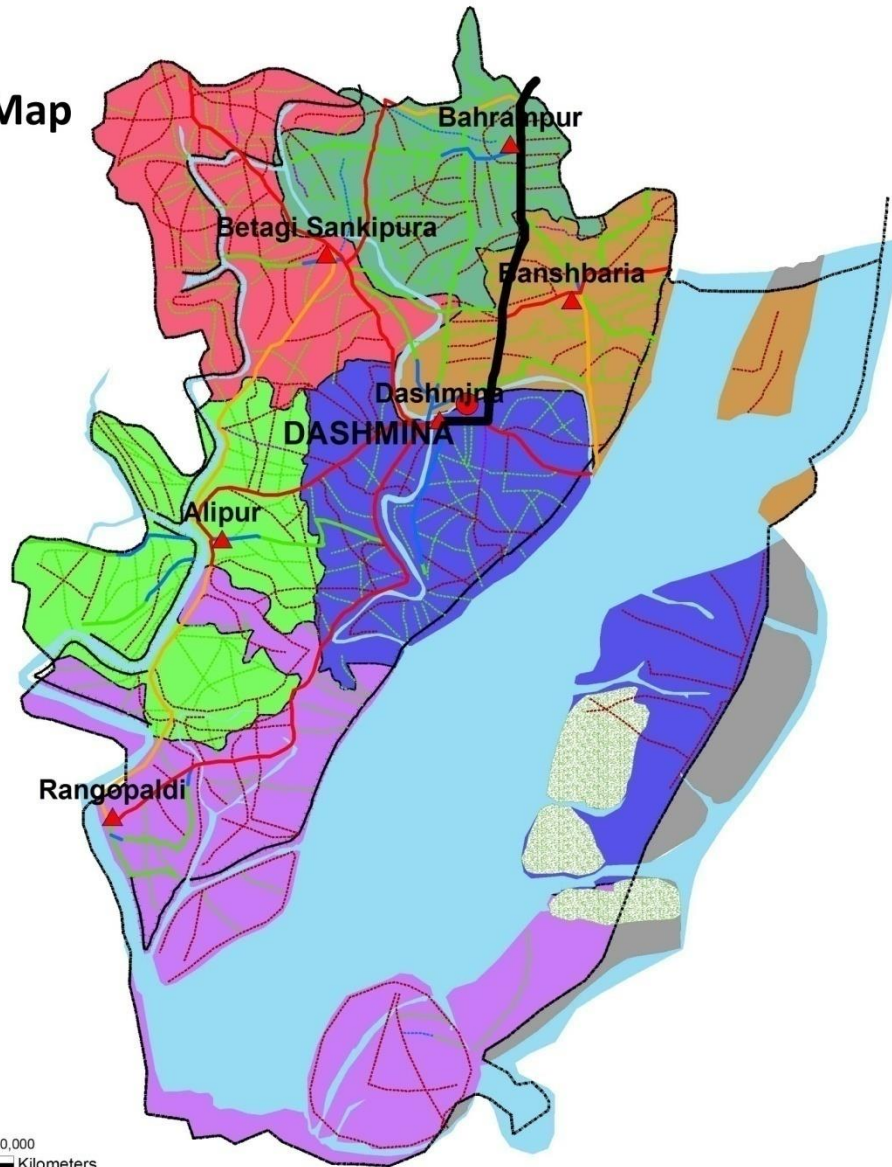
Salinity

Even moderate levels of salinity at a relaxed subdistrict Natural disasters at the normal time is not observed in other cases, the effects of mass destruction. However, natural disasters such as cyclones, floods, Tidle surgh and extensive damage to crops in agricultural land are increased salinity. There is no salinity in the subdistrict. (Source: Dasamina district public health engineer Office)

ArsenicContamination

30% in this region under the regional trend of arsenic in laboratory water wells, subject to certain fees, arsenic, chloride, iron, manganese, pH value, electric conductivity etc. examined and tested are in a variety of biological arsenic levels but remains tolerable. (Sorce: Dasamina district public health engineer Office)

Dashmina Administrative Map



Legend

- International Boundary
- - - - - Upazila Boundary
- - - - - District Boundary

Union Boundary

- Alipur
- Bahrampur
- Banshbaria
- Betagi Sankipura
- Dashmina
- Rangopaldi

- Upazilla
- ▲ Union

- Regional Highways
- National Highways
- Zilla Road
- Upazilla Road (Pucca)
- Upazilla Road (Katcha)
- Union Road (Pucca)
- Union Road (Katcha)
- Village Road A (Pucca)
- Village Road A (Katcha)
- Village Road B (Pucca)
- Village Road B (Katcha)
- ▬▬▬▬▬▬ Railway Network
- Embankment
- Small River or Khal
- Forest
- Water Bodies
- Wide River
- Sandy Area

Chapter Two

Disaster, Hazard and Vulnerability

2.1 History of Disaster

Disaster a serious dilemma which occurs in nature or the result of human creat you out. Common sense is a weariness to the disaster, but not all disaster. When the two elements together in misery and disaster to him say vulnerability. Situated in the southern end of Dashomina upazila of Patuakhali district as BMW, BMW is for the victims of Natural Disaster. 300.74 sq km area of the district where 1,18,180 people (approx) people live. Bangapra sagar costal region as down land and vulnerable to sea. Bangap sagar shape like a triangle. The top part of the entire coast region, so also in other areas of the coast is much more like a risk at the gold. Glossary of Meteorology storm, tidel surgh, cyclones, tornadoes, irregular rainfall, river errision, catastrophe in the region. The government of the country is not mentioned in any of the areas around the injury Heaney disaster extensive damage to life and property. Analysis can be seen in the history of global disasters. Before 1986, 1987, 1988, 2000, 2009, and 2013 gold is widespread floods and cyclone. 15 November, more than 2007 districts in the Sidr hit Bangladesh, 1 of which is ksatigrasha over four counties. One of Patuakhali district. Sidr 457 people were killed in the district. Moreover the area of forestry, crop, including extensive damage to the building is. 5 May, 2009 were victims of Aila Aila patuyakhalite 781926 people, of which 200 families included in the district are Dashomina. Dashomina particular district on the west side of North ranagopaladi Amir Uddin Sharif jomaddara guard house house house Kalibari badham fit up to 10 km from ewe Union has caraghuni badham and North West pasadiya phakirabari badham dahdike aija Uddin guard house to the wharf is 03 kihmihbheribadham which fits the 1000-1500 which requires full construction, this is the dam inundated the salt sea water flooded the extensive damage to crops and land. Spies are the most affected barahana, carahadi, carasahajalala, Dashomina, bamsabariya and ranagopaladi Union. Extensive damage in the area is 2013 storms approached. The disaster Agriculture, health, education, infrastructure, livestock and other activities were severely damaged dioversity. Also as a result of climate changes tetuliya suddenly increased river water is not only a school of about 1,500 families to be displaced. Crop land and poor people every year due to the large loss cross. People's per capita income has decreased, increased poverty and increasing human trend, the deforestation due to population growth and imbalances Dashomina subdivisions may be affected by disasters. According to the analysis of the vortex of the storm, cyclone, flood, river erosion, north-wester under this major disaster. Disaster losses, duration occurs, and during, the damaged components given in Table sectors.

Table 2.1: Name of Disaster and Detail of Disaster

Name of Hazard	Year	Amount of Losse	Sector wise Losses amount
----------------	------	-----------------	---------------------------

Tidal Wave	2004,2005,2006,2008,2009,2010,2011,2013	heavily	Aggriculture and Health Sector.
		Mediam	Fishries ,livelihoods ,
Cyclone	2006,2008,2009,2010,2011,2013	heavily	Fishries , livelihoods, infrastructure.
		Mediam	Aggriculture,, livelihoods
Flood	1986,1987,1988,1995,2004,2009	heavily	Agriculture, Fisheries, Livestock, Human Resource, Plantation
		Mediam	Agriculture, Fisheries, Livestock, Human Resource, Plantation
River Erosion	1986,1987,1988,1995,1998,2004,2008,2013	heavily	Agriculture, Fisheries, Livestock, Human Resource, Plantation
		Mediam	Agriculture, , Livestock, Human Resource, Plantation
Tornado	1988,1991,1992,1995,1997,2005,2002.	heavily	Agriculture, , Livestock, Human Resource, Plantation
		Mediam	Agriculture, , Livestock, Human Resource, Plantation

2.2 Hazards of the Upazilla

Being close to the coast in the region of Agriculture oriented Dashomina district residents are facing more and more disasters. Responsible for the suffering and loss of life that priority hazards are following components:

Table2.2: Hazards and Priority of Hazards

Hazards of the unions of this upazilla		Identifies hazards and priority of hazards
Nature caused hazards		1.Cyclone 2.Tidal Surgh 3.Flood 4.River Erosion 5.Kaloboisaki
1. Extreme	12 Earthquake	
2. Flood	13. Whirlwind	
3. Water level	14. Waterlogging	
4. Inundation	15. Irregular rainfall	
5. Met	16. Tornado Tornado	
6. Drought	17. Hail	
7. River Erosion	18. Lightning	
8. Ghanakuyasa	19. Imdurera Attack	
9. Cyclone	20. Crop insect attack	
10. Arsenic	21.labanaktata	
Human misery		
11.Fire	23.Land Grab	
22 Unplanned infrastructure		

Source: field visit, 2014

2.3 Different types of Hazards and its present, future illustration

Whirl wind

Dashomina upazilla of Patuakhali endemic widespread catastrophe. Ashar month catastrophe continues to ship here. The areas of agriculture, fisheries, housing, education, communication, etc. have attained tremendous damage. No, he's arable land is cultivated crops because of the sand is nearly 20 percent of the land area of crop production, resulting in disruption. Every year, bore, but May 23, 2004, September 11, 2004, March 11, 2005, on September 19, 2006, 15 November 2008, 5 th May 2009, 8 October 2010, 16 June 2011, May 16th 2013 whirlwind was huge. (Source: Office of the Upazila and Union Parishad, Dashomina.)



Figure 2.1: Vortex storm wrecked a village upazila.

Tidel surgh

Patuakhali Dashomina liar endemic widespread catastrophe. Ashar month catastrophe continues to ship here. Moreover, with an increase of river water under the influence of the full moon broke Beribandh agricultural land-fish enclosure and lodging yaya wind. With a shortage of drinking water are evident. Areas of agriculture, fisheries, housing, education, communication, etc. have attained tremendous damage. Arable land can not be cultivated because of the sand, thereby hampering crop production land area is about 20 percent. September 19 each year, but the district bore 2006, 2007, 15th November, 15th November 008, 5 th May and 16 June 2009, 2011, 2013 May 16th was a huge bore. (Source: Office of the Upazila and Union Parishad, Dashomina)



Figure2.2: dasaminaya Purnima auliyapura grams

Flood

Dashomina upazilla Patuakhali district is an area of extensive flood-affected. Here Ashar month continued to flood the ship. The areas of agriculture, fisheries, abokathamo, housing, education, communication, etc. have attained



Figure2.3: Flood Flooded BMW dasamina

tremendous damage. Arable land, no crops can not be cultivated because of the sand. Floods every year but 1986, 1987, 1988, 1995, 1998, 1988, 1998, and 004 were in widespread flooding. (References: Upazila and Union Parishad Office, Dashomina.)

River errision

Each region has a net under Dashomina spread of numerous small rivers. River to River subdistrict contains 03 small and large mixed. The major rivers in the district Dashomina Tentulia and aged gauranga hats known as the river and Tagore. Dashomina Patuakhali river village liar, Pirate basadiya, sonaracara, Dashomina Union, spies Hadi than 00 families are affected. The districts



Figure 2.4: River bhanganedasamina liar river.

have been identified as river bhanganake ekati big danger. You out of the hundreds of acres of crop land and see this BMW spies living in the womb of the house goes to the river lands. After which they become homeless. Pirate of the people every year due to river erosion are difficult to pass. 1986, 1987, 1988, 1995, 1998, 004, 008, and 009, May 16th, in the year 013 was a massive breakdown. (References: Upazila and Union Parishad Office, Dashomina)

Kalabaisaki

20 to 15 years ago was at the normal level in the north-wester storm. But due to seasons and weather and climate change, the increasing trend of the storm. Causing extensive damage to property and crops Patuakhali each years, but the damage is less than Dashomina upazilla kalabaisakhi injuries in 1988, 1991, 199, 1995, 1997, and 2005 were in the north-wester huges. (References: Upazila and Union Parishad Office, Dashomina)



Figure 2.5: Nor'Wester storm dasamina upazila.

2.4 Vulnerability and Capability

Dashomina gold whirlwind, cyclone, flood, river errision, then, the danger in such danger of being under the influence of the effects of population of 117037 people. Moreover, chaplains, fisheries resources and infrastructure vulnerability not outside. So the danger of people using their own methods are constantly trying to achieve capacity. Vulnerability refers to the physical, socio-economic and environmental-existing condition, which indicates anxiety and the disaster were unable to confront the populations and the capacity of natural, social, economic, environmental, etc., caused the overall status of the process, the people, or any agency / organization use its existing resources to deal with disasters and disasters result in the adverse conditions by reducing skeletons. What are some of the area is the short way to the danger is shown below:

Table 2.3: Hazard based vulnerabilities

Hazards	Vulnerabilities	Capabilities
Whirlwind	<ul style="list-style-type: none"> • flooding crops ksatihaya • is yogayogerakasta • cemetery sank. • the loss of human resources • is infrasture • the loss of fisheries resources • Lack of drinking water is • is pasusampaderaksati • Children, pregnant, disabled and brddhara higher risk. 	<ul style="list-style-type: none"> • dasamina district has 39 school-cum-cyclone centers. • dasamina districts 147.00 km, has raised pavement. • dasamina districts have 20 posts high tiubayela.
Tidel Surgh	<ul style="list-style-type: none"> • It ruins agricultural products. • Graveyards go under water. • It harms human resource. • It damages infrastructure. • It washes away fisheries. • It causes lack of safe drinking water. • It destroys livestock. • It extremely endangers children, the pregnant, the disable and the old. 	<ul style="list-style-type: none"> • dasamina district has 39 school-cum-cyclone centers. • dasamina districts 147.00 km, has raised pavement. • dasamina districts have 20 posts high tiubayela

Hazards	Vulnerabilities	Capabilities
Flood	<ul style="list-style-type: none"> • It ruins agricultural products. • Graveyards go under water. • It harms human resource. • It damages infrastructure. • It washes away fisheries. • It causes lack of safe drinking water. • It destroys livestock. • It extremely endangers children, the pregnant, the disable and the old. 	<ul style="list-style-type: none"> • There are 96 high graveyards. • There are 28 tanks of pure drinking water. • There are 10 (158 hectors) effective embankments and cross dams. • There are 4 sluice gates. • There are 20 high based tubewells.
River Erosion	<ul style="list-style-type: none"> • It ruins agricultural products. • It hampers communication. • It harms human resource. • It damages infrastructure. • It ruins fisheries. • It destroys livestock. 	<ul style="list-style-type: none"> • There are 35.5 km effective embankments and cross dams.
Kalabaisaki	<ul style="list-style-type: none"> • It ruins agricultural products. • It hampers communication. • It harms human resource. • It damages infrastructure. • It ruins fisheries. • It destroys livestock. 	<p>There 10 cyclone centres in Dasomina upazilla. Also there are 35.5 km length dam. Also 67.43 km high roads.</p>

Source: Field visits, 2014

2.5 Most Vulnerable Areas

Due to its geographical location, the various unions and villages Dashomina sub-district is facing you out of shot. Most of the agricultural and matsera people so on. Coast region urged to confront occion air. The danger is people. You out of all the places on the basis of the vulnerability are not equal under the danger area, because vulnerability. Vulnerable population brief given below are:

Table 2.4: most vulnerable areas, Reasons of Vulnerability and vulnerable population:

Hazard	Most vulnerable area,s	Causes of Disaster	Total affected People
Cyclone	Chor-hadi,chor-Borhan,chor-shahajalal,Doshomina,Bashbariya,Ronogopaldi and total upojela.	Near to the River	123392

Hazard	Most vulnerable area,s	Causes of Disaster	Total affected People
Tidal Surgh	Bashbariya,Ronogopaldi Chor-hadi,chor-Borhan,chor-shahajalal, Doshomina,Arojbagi,Kalarani,Hazirhat, and total upojela	Near to the River	55475
Flood	Bashbariya,Ronogopaldi Chor-hadi,chor-Borhan,chor-shahajalal, Doshomina,Arojbagi,Kalarani,Hazirhat,	Near to the River	55475
River Erosion	Bashbariya,Ronogopaldi Chor-hadi,chor-Borhan,chor-shahajalal, Doshomina,Arojbagi,Kalarani,Hazirhat, Chor-basbariya,sonarchor.	There is hectors of plantation/ forest area.	40500
Kaloboishak	Chor-hadi,chor-Borhan,chor-shahajalal,Doshomina,Bashbariya,Ronogopaldi and total upojela.	Near to the River	40500

Source: Field visits, 2014

2.6 Main Development Sectors

Dashomina upazila agriculture based on production. The district's economy is dependent on agriculture. Dominated by agriculture, but the danger of the development plan and to reduce the risk of fish, animals, health, livelihood, infrastructure development needed on all fronts. Components are discussed in detail in the table below

Table 2.5: Reduce the risk of the development of the sector and with the coordination of disaster.

Main Sectors	Detailed Description	Adjustment with Disaster Risk Reduction
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Main Sectors	Detailed Description	Adjustment with Disaster Risk Reduction
Agriculture	Dashomina sub total 23834 hectares of crops are produced 16500 tons. The main produce rice, peanut, sweet potato, pepper, khisari, sesame, mustard, watermelon, and drink is also plenty of seasonal vegetables. Subdistrict total of 23834 hectares of land, 16,500 hectares of agricultural land with a net, a total of 39,103 hectares of agricultural land, 3,015 hectares of agricultural land, the crop land 4,367 hectares and 9,118 hectares of agricultural land in three. 13448.64 acres of khas land, agricultural 13445.77 acres, 287 acres of agricultural, valid land 53327 acres of agricultural land.	In Dashomina upazilla, 85 % of people are involved in agriculture (60% day-laborers, 30 % petite farmers, 15% middle class farmers and 5% are affluent farmers). A change in climate causing drought, heavy rainfall, hail storm, cold wave, heavy mist and flood may cause severe financial loss damaging agricultural products. So, more modification and advancement is needed in agricultural sector to cope up with disaster risk reduction.
Fisheries	There are 20000 ponds are used for fish production that helps people achieve financial success as well as livelihood. As a result, many people will be interested in fish cultivation that can bring huge progress in this upazilla. So in Upazila, fisheries can be considered as one of the main sectors of development plans.	A change in climate causing heavy rainfall and flood may harm agriculture severely. In that case, fisheries can serve with instant financial safety and solvency. So, fish cultivation is effective in disaster risk reduction.
Livestock	20-25 years ago, almost every family used to have cattle in upazilla. Currently, because of lack of cow-food and pasture lands, livestock has decreased considerably. At present, there are 22 cattle farms, 24380 broiler chicken farms, which make people self-reliant and contribute to the economy of this area.	A change in climate causing heavy rainfall and flood may harm fisheries and agriculture severely. In that case, livestock can serve with instant financial safety and solvency. So, rearing livestock is effective in disaster risk reduction.
Health	There are an upazilla health complex, 11 health sub-centers, an upazilla health and family welfare center and 10 community clinics. These institutions help continue the usual activities of people of upazilla ensuring health services.	In upazilla, many diseases bring out in disaster period. Therefore, more advancement in health service is needed to be connected with disaster risk reduction.

Main Sectors	Detailed Description	Adjustment with Disaster Risk Reduction
Livelihood	In upazilla, 90 % of people are involved in agriculture (50% day-laborers, 25 % petite farmers, 05% middle class farmers and 5% are affluent farmers). And 15 % of people are dealers (mango traders 5%, 3% molasses traders, 2% traders of raw materials, 2% grocery traders, 2% middlemen, 1% of them are bamboo craft workers and blacksmiths. There are also 10% jobholders. In upazilla, financial system is quite prosperous because of varied livelihoods. Most of the people are reliable because they are mostly engaged in any kind of dependable profession.	When disasters like flood, drought, river erosion, heavy rainfall, low rainfall etc. occur in Upazila, livelihood of common people gets affected by seriously damaged agriculture, fisheries and livestock. But, if people manage to alternative occupations, immediate recovery from disasters can be possible. It also help keep solvency in disaster period. So, alternative livelihood is effective in disaster risk reduction.
Plantation	Dashomina upazila has considerable reputation for mango cultivation. In this Upazila, there are many mango farms that keep this region filled with greenery. There are plenty of akashmoni, mango, rain-tree, water apple, eucalyptus, arjun, akasiya, babla and plum trees.	Agriculture, fisheries, livestock are seriously damaged when disasters like flood, drought, river erosion, heavy rainfall, low rainfall etc. Apart from this, many houses, roads and other structures are smashed in storms, which affect lives and livelihoods of people as well as environment. Plantation has no alternative to prevent this. So a movement with a slogan like “Plant trees, save environment” can play role in disaster risk reduction.

Main Sectors	Detailed Description	Adjustment with Disaster Risk Reduction
Infrastructure	<p>In Dashomina. upazilla, there are plenty of structural assets including 2 dam, 466 bridges and culverts, 3605 deep tube wells and There are also 21 hats/ bazaars meeting the needs of people by providing the basic necessities of goods. These assets of this area play leading role in economics as well as development activities in Dashomina. here are plenty of sub dasamina infrastructure assets. 35.5 km of the dam, 466 tibrija, including culverts. Echara upajela, unions and the rural way of combining a total of 895.04 km of roads, pucca 67.43 km and mud road, 82761 km, 3022 km brick road. Of the 123 deep tube wells for irrigation tube well sahamota 4276. Hats and 4 growth centers of the 21 people of which is essential to meet their needs by providing goods. This infrastructure improvement works under the resources of dasamina leading role in the economy.</p>	<p>When disasters like floods, droughts, river erosion and heavy rainfall happen in upazilla, a variety of structural assets helps in many ways. During floods and heavy rainfall, the culverts are used for communication and water supply. It also would benefit a lot in agriculture. The tube wells are used for water supply in irrigation during drought and thus help produce agricultural products. Roads connect different areas and develop communication. Bazaars are also essential for the people during disasters providing their necessary elements. Infrastructural resources play important role in coping with the disasters. So there is no alternative but strengthening infrastructural resource to reduce risks of disasters.</p>

Source: Field visits, 2014

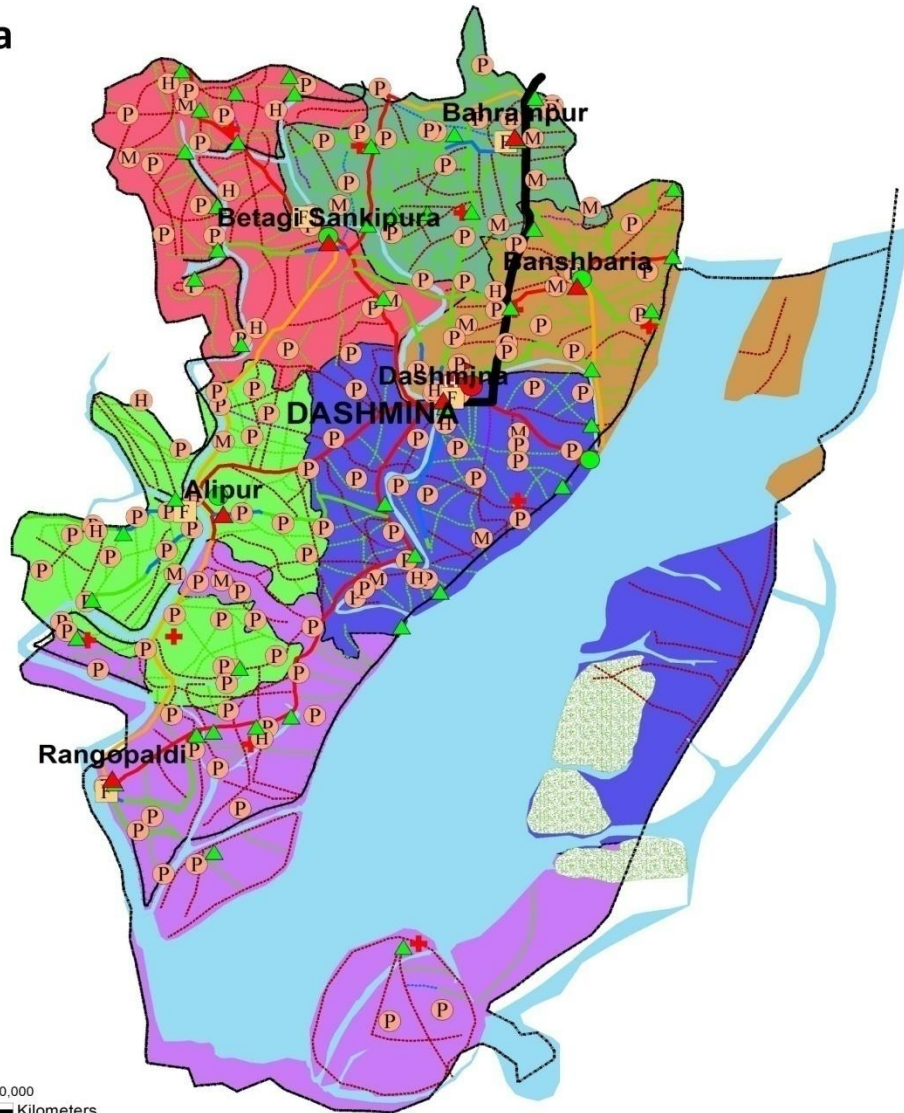
2.7 Social Map

In context of the discussion of the Dashomina upazilla disaster management committee members' with the common people of various occupations of different villages describing the objectives and importance of making a social map, The social map of Dashomina upazilla has been prepared with their help. The location of unions, villages, infrastuctures, different institutions, land use, roads, rivers, canals, wet lands, buildings, hospitals, embankments and other important matters are included in the social map. The entire condition of this upazilla is shown in the social map.

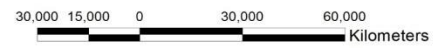
2.8 Hazard and Risk Map

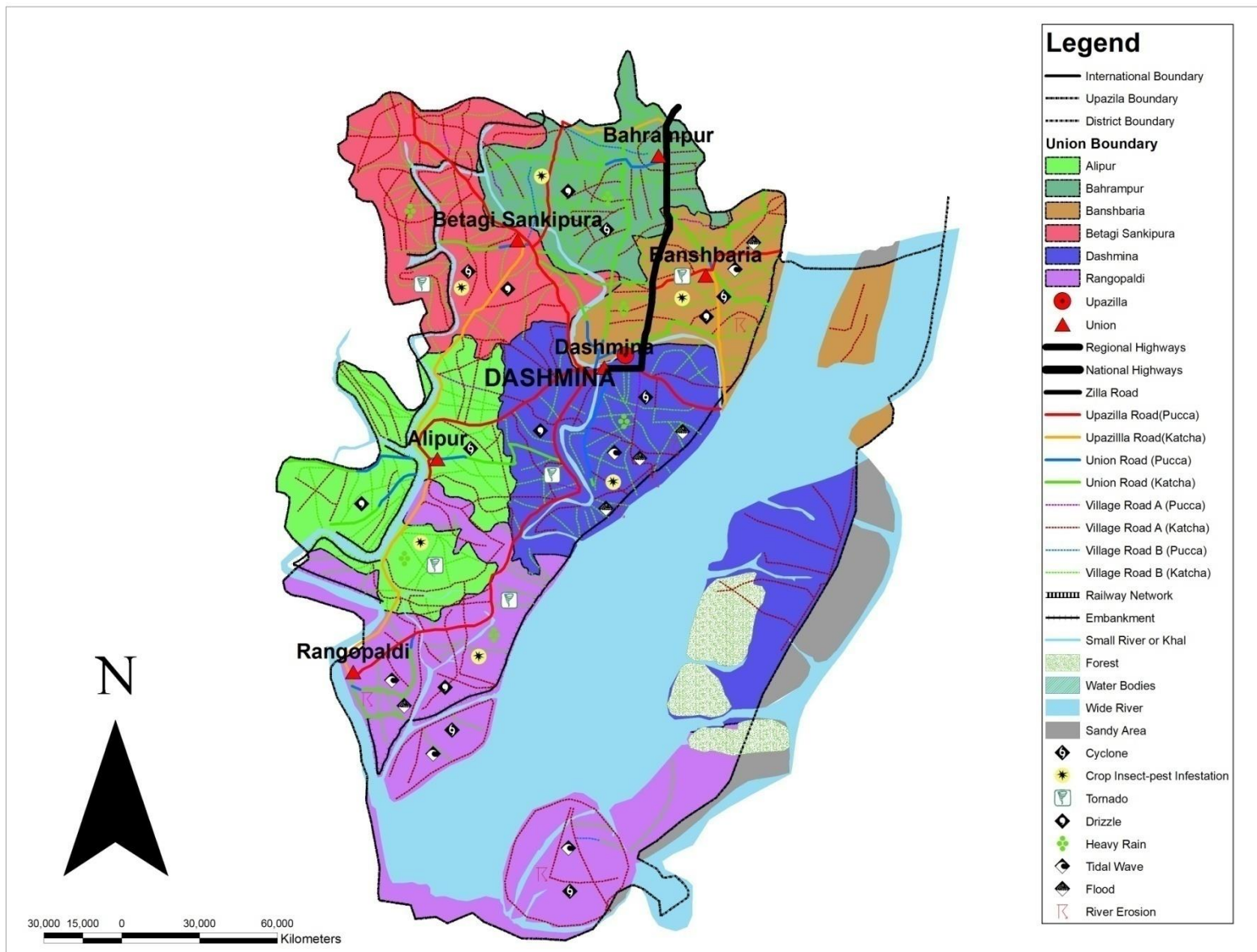
In context of the discussion of the Dashomina upazilla disaster management committee members' with the common people of various occupations of different villages showing the map of Dashomina upazilla and describing the objectives and importance of making a Hazard and Risk Map, Hazard and Risk Map of Dashomina upazilla has been prepared with their help to identify the hazards. Which hazard affects which union is shown in the map by the participants. Moreover, land infertility, land utilization, movement of river such matters is

Dashmina Upzila Social Map



- ### Legend
- International Boundary
 - - - - - Upazila Boundry
 - - - - - District Boundary
 - Union Boundry**
 - Alipur
 - Bahrampur
 - Banshbaria
 - Betagi Sankipura
 - Dashmina
 - Rangopaldi
 - Upazilla
 - ▲ Union
 - National Highways
 - Regional Highways
 - Zilla Road
 - Upazilla Road (Pucca)
 - Upazilla Road (Katcha)
 - Union Road (Pucca)
 - Union Road (Katcha)
 - Village Road A (Pucca)
 - Village Road A (Katcha)
 - Village Road B (Pucca)
 - Village Road B (Katcha)
 - Railway Network
 - Embankment
 - ▲ Rural Market
 - Growth Centre
 - F Family Welfare Centre
 - Police Station
 - H High School
 - Upazilla Health Complex
 - P Primary School
 - Post Office
 - + Community Clinic
 - Moque
 - C College
 - M Madrasa
 - Forest
 - Water Bodies
 - Small River or Khal
 - Wide River with Sandy Area





considered here through geographical information management. The entire condition of this upazilla is also shown in the hazard and risk map.

2.9 Seasonal Calendar of Hazards

Throughout the year, if not more districts drought Dashomina trend is observed in various sorts. The month of March and April phalguna trend north-wester, and Ashwin-Kartik month in jaisthya jalacchasa cyclone is well. April, the month of jaisthya jalacchasa occurs less than a month, but Ashar-| Facebook. The district has rivers through 5. A sudden surge of flood water or flooded areas adjacent to the river is going to rise. People from April to ship any cyclones, may be facing the loss of a large north-wester Storm. The following table highlights the storm and stress of the seasonal calendar.

Table 2.6: Calendar of Hazards based on months

Hazard	Season											
	App	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Janu	Feb	Mar
cyclone												
Tidal Surgh												
Flood												
River Erosion												
Kalobois hak												

Source: Upazila and Union Parishad Office, dasamina

Seasonal calendar of Hazards analysis:

In which months of a year hazards occur in this area and in which months the effects are more or less are shown in the graph of the seasonal calendar. It is known through discussions with the participants as part of the Pre-C.R:

Whirl wind:Dashomina Upazilla of Patuakhali liar endemic widespread catastrophe. Disaster continued to ship the Baisakh month. But April and the eldest, Ashwin and Kartik month trend Cyclone is a short delay. The areas of agriculture, fisheries, housing, education, communication, etc. have attained tremendous damage. No, he's arable land is cultivated crops because of the sand is nearly 20 percent of the land area of crop production, resulting in disruption. It was in a huge whirlwind.

Tidel Surgh:Dashomina Upazilla of Patuakhali liar endemic widespread catastrophe. Disaster continued to ship the Baisakh month. This surge in the area of agriculture, fisheries, housing, education, communication, etc., is the sheer loss of arable land in the fields of sand because crops can not be cultivated.

Flood:Due to the lack of drainage fill the river is flooding. Lots of sediment accumulation in rivers and river pirate is going to fill up constantly shift the excess water pressure caused

flooding river bank overflows. From mid-July until the end of September Dashomina districts are flood prone.

Kalabaisaki: April and the eldest, Ashwin and Kartik month is likely to be more north-wester. Seasons and weather and climate change due to increasing trend of the storm. Causing extensive damage to property and crops by kalabaisakhira upajelate Dashomina Patuakhali haccheprati years is less than the damage.

River Erosion: Dashomina district homes, roads, crops and livestock river erosion academic instraction social and disappearing every year. From April to July, but here is the first of August to mid-September to demonstrate river erosion. River erosion contain conspicuous size.

2.10 Seasonal Calendar of Livelihood

Although this upazilla is dominated by agriculture, but fishng is also an income source here as some big and small canals are here. Besides, there are landless workers who earn their living as day laborers. As there are quite a few hats and bazars, the trader professions have arisen for exporting huge amount of agricultural products.

Table 2.7: Seasonal Calendar of livelihood is presented through the following

No	Source of Livelihood	April	May	June	July	August	September	October	November	December	January	February	March
1	Agriculture												
2	Fisheries												
3	Daily Labor												
4	Businessman												

Source: field Visit, Dhamoirhat, 2014

2.11 Vulnerability on Life and Livelihood

Pre-discussed hazards and disasters hamper the normal lifestyle. Farmers, fishermen, day laborers, businessmen all become vulnerable.

Vulnerability on Life and livelihood is presented through the following table:

Table 2.8: Vulnerability on Life and Livelihood

Sl no:	Livelihood	Hazards/ Disasters				
		Whirl wind	Tidel Surgh	Flood	River Errision	Kalabasaki
1	Agriculture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Fisheries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	Daily lebour	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

4	Businessman	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
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Source: Field Visit, 2014

2.12 Sector-wise Risks and Hazards

The vulnerable sectors of Dashomina upazilla are crops, plants, livestock, fisheries, homes, roads, bridges, culverts, educational institutions, health care and shelter. The sectors are endangered because of the pre-discused hazards. After performing hazard identification of each union and its corresponding vulnerable sector, elements and area selection, the list of risks have been prepared and written. Two representatives from each of the groups (farmers, landless, women and fishing) has been selected and divided into four groups. Risks have been given priority by voting on unacceptable risks (voting through Zipstick) after evaluating the risks described seperately by each groups consisting of 6 members with a total of 24 representatives. The possible ways of reducing the risk to the local level including risk analysis has been set from the list of risks obtained by incorporating the highest risks voted by four groups. Following are the preferred risks. These risks have been validated later by the indirect stakeholders at the presence of the representatives of the group. The following table identifies vulnerable sectors of Dashomina upazilla:

Table 2.9: Sector-wise Risks and Hazards

Hazard	Vulnerable Social Elements									
	Crops	Trees	Livestock	Fisheries	Homes	Roads	Bridges and Culverts	Educational institutions	Health	Shelter
Whirl wind										
Tidel Surgh	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flood	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
River Errision	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Kalabasak i	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

Source: Field Visit, 2014

2.13 Climate Change and Its Possible Effect

Assessing the daily weather, the result of general condition of physical factors of wind sphere (air heat, air pressure, wind direction and speed, air humidity, amount and type of clouds and rainfall) of a place or region (30 years or more) is the climate of that place or region. Every day the sun reaches the earth, the earth absorbs it. Absorbed sunlight emits or reflects back to space again. Therefore, any type of exploitation of natural laws creating obstacles or barriers to this radiation process leads to climate change.

Some sectors which are affected by climate change are described in detail below:

Table 2.10: Climate change and its potential impact

Sectors	Description
Agriculture	2007 (SIDR) whirl wind like in the districts Dashomina whirl wind 14,850 family 10,590 acres of land out of crops 49,250 people could suffer economically. Tidel Surgh 13,600 acres of crops in 5720 family, 35,500 people in the may suffer economically. 7,307 family 15,350 acres of land to crops due to the flooding in districts of 39,500 people could be affected economically. 200 killed in north-wester suddenly 14,850 family 10,590 acres of land out of crops 49,250 people could suffer economically. Dashomina districts of erosion crops 2550 acres of land in 2420 and 15.150 people in the family may suffer economically. If heavy rains like 2008. 7,307 family 15,350 acres of crops economically affected families may be 39,500 people.
Fisheries	On 5 May in 009 districts Dashomina If tidel surgh like Aila in 2,720 pond water damage in various diseases of fish and fish floated to the 5,550 families 28900 people suffer economically as a result of a lack of protein can occur. Flood like 2004 and 2009 on May 5 3720 in the districts Dashomina the fish pond water damage in various diseases and fish floated in 4320 and 30,900 people in the family may suffer economically. This may be causing the lack of meat.
Plantation	Climate change effects on November 15th in 2007 sub-districts, like Dashomina Sidr, Aila storm like the 2013 may be the most abundant plants collapsed. Protect the environmental balance could be upset. 06 unions of the most abundant plants of erosion may be dissolved in the river. This may disrupt the balance of the environment.
Health	Borne diseases of water due to the sudden tidalsurgeDashomina districts in 1260 family 5,300 people in the family may suffer economically. Moreover, a variety of water borne diseases due to flooding Dashomina districts suddenly in 2620 family of 6,600 people could be hurt economically. Dashomina districts, 1986, 1987, 1988, 1995, 1998, 004, and on May 5, about 60% of the pregnant women in flood-like 2009, 2013 in flooding left at birth and killed them because they threatened to jeopardize communication. The outbreak of water borne diseases can occur. Approximately 50% of the 2001 sub-districts in the public interest such as eczema may occur. Moreover, due to drought eczma health may occur in different ways.
Livelihood	Climate change Dashomina sub-districts whirl wind, cyclone, flood, River erosion, north-wester, etc. If you out to organize disaster agricultural assest result, a tremendous impact on the livelihoods of fisheries resource in the lives of people and livestock damageous. All you out at 37% of people under the Dashomina wrpkless can become. This may be caused by the severity of the economy under Dashomina.

Sectors	Description
Water	Climate change, flood Dashomina Upazilla in 06 union, while floods submerged tube well ground water earth may cause a lack of drinking water. 10230 hectares of crops may be lost, many families may suffer economically. The severity of the disease can be spread in a variety of eczma and agricultural assesst, fisheries resource and livestock may be affected.
Infrast ruc ture	Climate change suddenly 8 June 2003, 11 September 2004, 15 November 2007, 2013, like the storm the Dashomina sub-district about 5% of the education and religious institutions and other infrastructure can lose 10,150 of raw and semi-pucca houses have been destroyed 12770 families may be bleak damagable 55,357 people economically. Education may be causing disruption. A large number of mud homes have been destroyed by the storm of 60% could be economically damagable shelter. In 1988, the flood could damage the road and about 300 km may be impassable. Which may impede communication. 6 Approximately 70 km of erosion union roads, schools, colleges, and other infrastructure to erosion can be hats. Many homes have been submerged in the 16% provisional shelter may damageable family economically.

Source: Field Visit, 2014

Chapter Three

Disaster Risk Reduction

3.1. Identification of Risk Factors

The possibility of the adverse effect of 3 elements - any hazard or hazards, resources and environment, vulnerable population of Dashomina upazilla and their income that is to say the interaction of the possibility of a hazard and its degree is risk. Identified risks and risk factors of Dashomina upazilla is in the table below:

Table 3.1: Risk Factors

Description of Risk	Causes		
	Immediate		Immediate
Dashomina upazila livestock died suddenly in 5290 ghuni storms over 12680 people in 22800 households may suffer economically.	1. Extreme water pressure destroying the dams 2. Heavy ascending wave	1. Decreased navigability because of river erosion 2. Lack of sufficient dams in required places	1. Lack of government policies of dredging system
Districts, suddenly the storms ghuni Dashomina 10.590 14.850 acres of crops economically affected families may be 49250 people.	1. Extreme water pressure destroying the dams 2. Heavy ascending wave	1. Decreased navigability because of river erosion 2. Lack of sufficient dams in required places	1. Deforestation 2. Environment pollution
Dashomina districts of cattle died from jalachasera the 4,900 families in 2070 to 10.400 people may suffer economically	1. Extreme water pressure destroying the	1. Decreased navigability because of river erosion	1. Deforestation 2. Environment pollution

Description of Risk	Causes		
	Immediate		Immediate
	dams 2. Heavy ascending wave	2. Lack of sufficient dams in required places	
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. Jalacchaser districts due 5720 13,600 acres of land in crops may be affected by the family's economic 35.500 people.	1. Extreme water pressure destroying the dams 2. Heavy ascending wave	1. Decreased navigability because of river erosion 2. Lack of sufficient dams in required places	1. Deforestation 2. Environment pollution
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. Districts suddenly struck north-wester 14.850 10.590 acres of land out of crops 49250 people could suffer economically.	1. Extreme water pressure destroying the dams 2. Heavy ascending wave	1. Decreased navigability because of river erosion 2. Lack of sufficient dams in required places	1. Deforestation 2. Environment pollution
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. Upazila livestock died suddenly in north-wester injuries 12680 5290 22800 families affected persons may be economic.	1. Monsoon wind from the north-west corner	1. Climate change 2. Cold drizzling	1. Deforestation 2. Environment pollution
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. Districts due to sudden flooding 7.307 15.350 acres of land in crops may be affected by the financial people in 39,500 households.	1. Extreme water pressure 2. Heavy rainfall in the month of <i>Sraban</i>	1. Shallowness of rivers	1. Lack of depth of river and proper management 2. Lack of river dam monitoring and implementation committee

Description of Risk	Causes		
	Immediate		Immediate
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. 2560 due to erosion erosion district houses over 2450 families affected by the economic might of 13.375 people.	1. Lack of irrigation system	1. Lack of deep tubewell 2. Deforestation and short of plantation 3. Low ground-water level	1. Lack of necessary repair of canals 2. Shallowness of river tatulea
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. Suddenly districts of north-wester raw and semi-pucca houses have been destroyed by the 10150 of 12770 people in 55.357 families may be bleak economic ksatigrasthasaha.	1. Monsoon wind from the north-west corner	1. Climate change 2. Cold drizzling	1. Deforestation 2. Environment pollution
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. Districts due to sudden flooding of 5.380 5.930 was submerged in water and mud and mud houses 27800 families affected by the economy, with people may be bleak.	1. Monsoon wind from the north-west corner	1. Climate change 2. Cold drizzling	1. Deforestation 2. Environment pollution
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. Erosion due to erosion in sub 0 2200 educational institutions students may disrupt educational activities.	1. Monsoon wind from the north-west corner	1. Climate change 2. Cold drizzling	1. Deforestation 2. Environment pollution
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. Upazila livestock died suddenly in north-wester injuries 12680 5290 22800 people economically affected families could be.	1. Extra upstream water pressure	1. Housing in low lands 2. Unplanned housing	1. Lack of govt. policies in building infrastructure
Livestock died due to cyclone districts Dashomina 22980 6.580 35.900 people economically affected families. 45 districts, educational institutions have been destroyed by a sudden north-wester 35.500	1. Extra upstream water pressure	1. Housing in low lands 2. Unplanned	1. Lack of govt. policies in building infrastructure

Description of Risk	Causes		
	Immediate		Immediate
students may disrupt educational activities.		housing	

Source: Field Visit, 2014

3.2. Ways of Risk Reduction Identification

The possible risks and ways to mitigate the risks from the discussion of Dashomina upazilla union wise field meetings and important persons are discussed in the table below:

Table 3.2: Possible ways of the risk reduction

Description of risk	Possible ways of the risk reduction		
	Short-term		Short-term
Livestock died due to cyclone sub-districts Dashomina 22980. 6,580 families and 35,900 people economically affected.	1. people awareness	1. Reach the right time and to the right explanation messages.	1. Well through the fringe of public policies set by the river stones.
Crops due to the cyclone sub-districts Dashomina 16.850 acres of land at 12390 families and 69250 people may suffer economically.	1. Dam management	1. Dredging the rivers 2. Strengthening the river banks with closely set stones	1. Blocking the river edges imposing government policy
Dashomina upazila livestock died in tidal surgh 15,980 families 55,900 people economically affected.	1. bamboo and is arranged to prevent water pressure by sandbag.	1. To increase navigability of the river. 2. dam system.	1. Easier to administer and implement the dredging committee. 2. To build a dam on the river.
Dashomina sub-districts tidal surgh 22390 acres of crops in the 89250 people 18,850 family may suffer economically.	1. Protecting river banks with sand piles	1. Raising navigability of rivers through dredging	1. Setting govt. rules and planning and ensuring proper implementation
Suddenly Dashomina sub-districts of north-wester	1. Reach the right time	1. Deforestation not be	1. House made be stronger.

Description of risk	Possible ways of the risk reduction		
	Short-term		Short-term
9,590 families 13,850 acres of crops economically affected may be 69250 people.	and to the right explanation messages.	large.	
Suddenly Dashomina districts of north-wester 9,590 acres crops 13.850 families economically affected may be 69250 people.	1. Protecting river banks with sand piles	1. Raising navigability of rivers through dredging	1. Setting govt. rules and planning and ensuring proper implementation
Dashomina districts due to flooding suddenly crops 8.545 4.960 acres of land in the family may be 39725 people suffer economically.	1. Protecting river banks with sand piles	1. Raising navigability of rivers through dredging	1. Setting govt. rules and planning and ensuring proper implementation
Dashomina districts of erosion in 2350 3,050 acres of crops 14250 people could suffer economically.	1.Reach the right time and to the right explanation messages.	1.Carefully Measures to be taken. II. Rraise to awareness.	1.Budget accommodation for the making and adoption of conservation policies.
Their homes due to erosion of erosion districts Dashomina 1250. 9.375 people 1,675 families could be economically affected .	1.Reach the right time and to the right explanation messages.	1.Carefully Measures to be taken. II. Tree plantation.	1. Tree plantation
Suddenly districts of north-wester of raw and semi Dashomina homes have been destroyed 4,805. 5,330 families 59.475 people may be economically affected.	1. Protecting river banks with sand piles	1. Raising navigability of rivers through dredging	1. Setting govt. rules and planning and ensuring proper implementation
Dashomina districts were submerged houses due to flooding 2850. 3220 families 16,830 people economically affected and may be bleak.	1. Protecting river banks with sand piles	1. Raising navigability of rivers through dredging	1. Setting govt. rules and planning and ensuring proper implementation
Dashomina 5 districts of erosion to erosion in 1,800 educational institutions may impede student learning activities.	1.Reach the right time and to the right explanation messages.	1.Carefully Measures to be taken. II. Tree plantation.	1.Budget accommodation for the making and adoption of conservation policies.
Glossary of Meteorology, died suddenly attack the	1. Protecting river banks	1. Raising navigability of	1. Setting govt. rules and

Description of risk	Possible ways of the risk reduction		
	Short-term		Short-term
livestock sub Dashomina 12980. 21900 people 4,380 families economically affected .	with sand piles	rivers through dredging	planning and ensuring proper implementation
Dashomina districts north-wester blow up 40,000 students in 88 educational institutions have been destroyed may disrupt the educational activities.	1. Protecting river banks with sand piles	1. Raising navigability of rivers through dredging	1. Setting govt. rules and planning and ensuring proper implementation

Source: Field Visit, 2014

3.3. NGO's Development Plan

Because of slow paced disaster in Dashomina upazilla, mitigation by identifying hazard is seemed to be neglected. Recently, however, due to climate change tend to disasters has increased. So, few NGOs have started to work on disaster which is quite scarce than necessity.

Table 3.3: NGOs in the Development Plan

Sl. No	NGO	Disaster Related Activity	Beneficiaries	Amount / number	Project Duration
1	Brack	Micro-credit activities, social, developmental activities, non-formal education activities, work in the disaster.	2800		1 to 5 years
2	Asa	Micro-credit activities, social, developmental activities, non-formal education activities, work in the disaster.	100		1 to 5 years
3	Proshika	Micro-credit activities, social, developmental activities, non-formal education activities, work in the disaster.	5200		1 to 5 years
4.	Projokthi Pat	Micro-credit activities, social, developmental activities, non-formal education activities, work in the disaster.	800		1 to 5 years
5	Grameen Sakthi	Micro-credit activities, social, developmental activities, non-formal education activities, work in the disaster.	1550		1 to 5 years
6	CCDP	Micro-credit activities, social, developmental activities, non-	500		1 to 5 years

Sl. No	NGO	Disaster Related Activity	Beneficiaries	Amount / number	Project Duration
		formal education activities, work in the disaster.			
7	PKSF	Micro-credit activities, social, developmental activities, non-formal education activities, work in the disaster.	2400		1 to 5 years
8	Save the Children	Social, developmental activities, non-formal education activities, work in the disaster.	2700		1 to 5 years
9	Speed Trust	Micro-credit activities, social, developmental activities, non-formal education activities, work in the disaster.	630		1 to 5 years
10	Sushilan	Social, developmental activities, non-formal education activities, work in the disaster.	1380		1 to 5 years
11	Globe Bangladesh	Micro-credit activities, social, developmental activities, non-formal education activities, work in the disaster.	700		1 to 5 years
12	Uddipon	Micro-credit activities, social, developmental activities, non-formal education activities, work in the disaster.	932		1 to 5 years
13	Marri Stop	MR safe and pregnancy	600		1 to 5 years

Source: Field Visit, 2014

3.4. Disaster Management Action Plan

3.4.1. Pre-disaster Preparation

Table 3.4: Pre-disaster preparation activities, target level, budget, Implementation and coordination

SL	Activities	Target	Location	Possible Date	Who&How Far
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		Level		n	Upazilla Administration	Upazilla%	Community%	N.G.O	
River Dredging	Total 15 km deep 30 to 40 fit wide 110 fit. At present deep 5 fit.	10-20 million taka	Dashomina district that river, canal, diverting low. Pirate Borhan Mridha Canal	march to april	100				The operations will make the people in the area aware and enthusiastic to take pre-disaster preparation immediately. In order to reduce the risk of disaster. As a result, damage to people's lives and property will be reduced. If the operations are properly implemented, it will contribute to the overall socio-economic and national development.
River Dams	12 km	10-20 million taka	Borhan Pirate Launch up from the adasya grams fit. Shahjalal South Char Char Borhan Momtaz fit up the west shore of the river.	Any time in the year	35	1	25	25	
Deep Tubewells	Total 30, deep 220 fit to 250 fit.	5-6 lack taka	Every union of Dashomina upazilla	Any time in the year	60	2	10	28	
Agricultural Training	word based 30 people made of team and three days training	2-3 lack taka	Upazilla agriculture office	January to February	80	5	15	80	
Proper Continuity of	Local member help to awareness	5-6 lack taka	Every union different word	march to april	20	1	60	20	

Weather Report									
Public Involvement in Disaster report explanation	Word based 20 member make of team and three days training	30-35 lack taka	Every union different word	June to July	15	05	20	60	
Preserving Water by Digging ponds	Deep can be 20 fit have 10 fit	50-6- lack taka	Every union different word	March to April	19	01	70	10	
Employment for the Disabled	Disability to reduce the depencys	15-20 lack taka	Every union different word	Any time in the year	35	5	25	35	
Mass Awareness through Govt. Policy	word based 30 peplemade of team and three days training	20-25 lack taka	Every union different word	March to April	35	5	25	35	

Source: Field Visit, 2014

3.4.2 During disaster

Table 3.5: During disaster preparation activities, target level, budget, Implementation and coordination

Activities	Target Level	Possible Budget	Location	Possible Date	Who&How Far				Adjustment with Development Plan
					Upazilla%	Community%	UP%	N.G.O%	

Property to a safe place	Protected from damage	7-8 lack taka	Disaster-struck areas	While he was a disaster	10	20	40	30	The operations will make the people in the area aware and enthusiastic to take pre-disaster preparation immediately In order to reduce the risk of disaster. As a result, damage to people's lives and property will be reduced. If the operations are properly implemented, it will contribute to the overall socio-economic and national development.
Mother, children, and elderly people pratibaddhi to secure immediate	Protected from damage	7-8 lack taka	Disaster-struck areas	While he was a disaster	10	20	40	30	
Immediate medical care	Immediate protection of life	7-8 lack taka	Disaster-struck areas	While he was a disaster	39	1	20	40	
Dry food and drinking water distribution	Life spans and keep clean	10-12 lack taka	Disaster-struck areas	While he was a disaster	30	1	29	30	
Helping victims	Protect life and property	8-10 lack taka	Disaster-struck areas	While he was a disaster	20	1	19	60	
Safe sanitation	Solve health problems	3-4 lack taka	Disaster-struck areas	While he was a disaster	25	5	30	40	

Source: Upazilla disaster management committee, Dashomina, 2014

3.4.3 Post Disaster

Table 3.6: Post Disaster preparation activities, target level, budget, Implementation and coordination

Activities	Target Level	— ০	Location	Possible	Who&How Far	t w i t h D e v e l o
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				Date	Upazilla%	Community%	UP %	N.G.O %	
Debris Cleaning	Enabling debris management and preventing diseases and suffering in post disaster period	60-70 lack taka	Affected area	The next time disaster	15	15	50	20	The operations will make the people in the area aware and enthusiastic to take pre-disaster preparation immediately In order to reduce the risk of disaster. As a result, damage to people's lives and property will be reduced. If the operations are properly implemented, it will contribute to the overall socio-economic and national development.
Road construction and repairing	Enabling communication system in emergency rescue, damaged crop management and relief activities in post disaster period	25-30 lack taka	Affected area	The next time disaster	40		5	55	
Re-construction of academic institutions	Protection of educational institution in case of floods, storms and continuation of academic progress	60-70 lack taka	Affected area	The next time disaster	19	01	70	10	
Irrigation system	Protecting crops from water logging and food crisis alleviation	6-7 lack taka	Flooded areas	The next time disaster	35	5	25	35	
Housing management	Assuring the shelter for affected people	70-80 lack	Affected area	The next time	55	5	20	20	

Activities	Target Level	Possible Budget	Location	Possible Date	Who&How Far				Adjustment with Development Plan
					Upazilla%	Community%	UP %	N.G.O %	
		taka		disaster					
Relief activity	re-establishing regular life	8-10 million	Affected area	The next time disaster	35	1	9	55	

Source: Field Visit, 2014

3.4.4 Normal time / risk reduction time

Table 3.7: Normal time preparation activities, target level, budget, Implementation and coordination

Activities	Target Level	Possible Budget	Location	Possible Date	Who&How Far				Adjustment with Development Plan
					Upazilla%	Community %	UP %	N.G.O. %	
Setting dams	Protection of crops from flood, removing	21-22 million BDT	Side of the munsur chawdary home from bhutar	Februray to march	35	15	25	25	The operations will make the people in the area aware and enthusiastic to take pre-disaster preparation

Activities	Target Level	Possible Budget	Location	Possible Date	Who&How Far				Adjustment with Development Plan
					Upazilla%	Community %	UP %	N.G.O. %	
	financial crisis		khal						immediately In order to reduce the risk of disaster. As a result, damage to people's lives and property will be reduced. If the operations are properly implemented, it will contribute to the overall socio-economic and national development.
Establishing shelter house	Safety of lives from disasters	28-29 million BDT	Uttar rano gapaldi char borhan	September to october	45	10	10	35	
Deep tubewells	Water supply in dry seasons	50-60 lack BDT	6 unions	September to April	40	10	10	40	
Plantation	Maintaining Environmental Balance	20-25 lack BDT	6 union on nthe dham	June to August	20	10	10	60	
Repairing houses	Safety of lives and assets from disasters	2 million and 50 lack	Basbaria, rangapaldi, char borhan, arijbagi, kalarani, hazir hat, charhadi, char shajalal and Dashomina.	September to April	15	30	10	45	
Raising awareness	Environmental Balance	15-20 lack	6 unions	12 manths	20	20	20	40	

Source: Field Visit, 2014

Chapter Four

Emergency Response

4.1. Emergency Operation Center (EOC)

In any kind of hazard, Emergency Operation Centre serves effective integration in giving response. During disaster period it keeps active for 24 hours and manages data and information collection, assessment, demonstration and asset management. There are an operation, a control room and a communication room in emergency operation center.

Table 4.1: Persons in charge of emergency operation center

No	Name	Designation	Mobile
1	Md.Shakhauat Hossen	Upozila Nirbahi Officer	01711639307
2	Begom Samsur Nahar Khan Doli	Vice Charman	01718262156
3	Md.Sonjib Mredha	Union Agricultural officer	01922096969
4	Indrojit Kumar Mondol	BMW creatures Resources Officer	01712117752
5	Md.Anichur Rahaman	Union Education officer	01721630756
6	Md.Shajahan	Union Fisheries officer(on duty)	01720014875
7	Aboni Mohon Das	Union Food Controller	01716512919
8	Md.Abdur Roshed	Assistant Director, hurricane preparedness programs	01716740304
9	Md. Runjurul Islam	Upazila Rural Development Officer	01824698040
10	Sunil Kumar Roy	Upazila youth development officer	01716212333
11	Begom Serin Sultana	Upazila Women Affairs Officer (c Dr.)	01720908789
12	Md.Asadur Rahaman	Upazila Cooperative Officer	01772853255
13	Md.Jakir Hossen	Charman Ronogopaldi	01934313811
14	Md Atikur Rahaman Sagor	Charman Alipur	01739400545
15	Md. Moshiur Rahaman	Charman Betagi Sankipur	01715436730
16	Md.Iqbal Mahamud Liton	Charman Doshomina	01712158015
17	Soiyed Mahafujur Rahaman	Charman Bohorampur	01715586788
18	Md.Altaf Hossen	Charman Basbaria	01718501948
19	Md.Sohorab Hossen	PIO	01718510225

Source: Upazilla Parishad, Dasamina

4.1.1. Emergency Control Room Management

- Emergency control room has to be established by Upazilla/ Union Parishad Office immediately after disaster. It has to be ensured that there are at least 3/ 4 volunteers and village policemen always in emergency control room.
- Responsible persons of zilla/ upazilla are to be in charge of control room. Three groups each containing three volunteers are to guide the control room alternatively for 24 hours.

- communication with divisional Constant/ Zilla Sadar is to be maintained.
- There must be a register in the control room. Persons acting in any sedule, data and information recieved by and sent to any persons in any specific time are to be written register specifically in that.
- Positions of zilla/ upazillas, doads, canals, dams are to be marked on a map hung on the wall of control room so that it may help in identifying the most damaged ares at post-disaster period.
- For the sake of control room activities, rtant to preserve radioit is impo, charger light, 5big torch lights ,gum boots ,life jackets ,batteries ,raincoats and other equipment.

4.2. Planning for Hazard Period

Table 4.2: During Hazard activities implementation

Sl. no	Activity	Target level	When	Who	Who to Help	How	Contact
1	Preparing volunteers	Volunteer groups should be formed under the guidance of UP members at union level	From warning announcement in disaster period	Local Govt.	Disaster Management Committee	Through Emergency Control Room	UzDMC
2	Warning Announcement	Every UP member is to personally ensure the matter of warning announcement in his/ her ward.	From warning announcement in disaster period	Local Govt.	Volunteer groups	Through Emergency Control Room	UzDMC
3	Preparing Boats/ cars/ vans	Sufficient numbers of boats, motor vessels, vans are to be preserved to be used in emergency.	From warning announcement in disaster period	Local Govt.	Volunteer groups	Through Emergency Control Room	UzDMC
4	Rescue Activity	preparing sufficient equipments and human resource for rescue activity assessing accurate loss of disaster	Immediately after disaster	Local Govt.	Volunteer groups	Through Emergency Control Room	UzDMC
5	First Aid/ health/ dead management	Organizing necessary treatment/ medicines/ health services assessing accurate loss of disaster	Immediately after disaster	Local Govt.	Volunteer groups	Through Emergency Control Room	UzDMC
6	Collecting and Preparing Dry Food and Life-saving	Dry food like flatten rice, puffed rice etc. is to be collected from local markets for instant distribution.	Immediately after disaster	Local Govt.	Volunteer groups, Health assistant,	Through Emergency Control Room	UzDMC

	Medicine				Family welfare assistant		
7	Treatment/ Vaccine for Cattle	Collecting necessary medicines	Immediately after disaster	Local Govt.	Volunteer groups, Upazilla veterinary hospital and Health centre	Through Emergency Control Room	UzDMC
8	Shelter Management	To keep the shelter house usable maintaining necessary repairing before the disaster prone season	Pre and during disaster period	Local Govt.	Volunteer groups	Through Emergency Control Room	UzDMC
9	Relief Activity	UP chairman has to supervise the relief activity of different relief and rehabilitation assisting groups.	during and post disaster period	UP Chairman	Volunteer groups	Through Emergency Control Room	UzDMC
10	Arranging Rehearsals	Arranging continual rehearsals in cyclone/ flood prone areas	April and September of each year	UP	Volunteer groups	UP	UP
11	Emergency Control Room Management	Emergency control room has to be established by Upazilla/ Union Parishad Office immediately after disaster. It has to be ensured that there are at least 3/ 4 volunteers and village policemen always in emergency control room.	during and post disaster period	Local Govt.	Volunteer groups	UP	UP

source: Field visit, 2014

4.2.1. Preparing volunteers

- Forming volunteer groups under the guidance of UP members at ward level
- Spreading announcement and information to every villages through volunteers
- Distributing duties signals, data collection, rescue, evacuation, shelter management and arranging training on disaster risk reduction among all volunteers

4.2.2. Warning Announcement

- Every UP member is to personally ensure the matter of warning announcement in his/her ward.
- Once in every hour, mike announcements have to be arranged up to 5 no. signals transmitted by radio, television. As soon as the great danger signal (8-9 no. signals) is announced by radio and television, mike announcement and school bell ringing have to be done constantly as danger alarm.

4.2.3. Evacuation Activity

- Every UP member is to start evacuating people to safer places with the help of volunteer groups of that ward as soon as it is announced to evacuate the people of risky areas by radio, television.
- As soon as 8 no. extreme danger signal is declared, mike announcements and volunteer activities have to be ensured toward every home to direct the vulnerable people to safe places. The vulnerable people must be well-informed of the shelter they belong to.

4.2.4. Rescue and First Aid

- The people of extreme risk zone are to be under the supervision of members of Zilla/ upazilla disaster management committee.
- A fixed deposit has to be run by Zilla/ upazilla disaster management committee for rescue management.
- Temporary health camps have to be set up and directed.
- The sick, the old, children and pregnant women are to be sent toward hospitals immediately.
- Every UP member together with volunteers is in charge of dead body management as well as burial of cattle.

4.2.5. Shelter Management

- To keep the shelter house usable maintaining necessary repairing before the disaster prone season
- To fix the specific shelters to be chosen by specific people in emergency
- To ensure complete safety of women, children and disable persons (in taking shelter)
- To ensure safe water supply and other services
- To help people carry their necessary assets (cattle, poultry, food etc.) to safe places

4.2.6. Preparing Boats

- Zilla/ upazilla disaster management committee is to keep the account of motor-boats and settle on which ones are to be used in emergency.
- The owners of boats are to help them in this task.
- The names and mobile numbers of owners of boats are to be preserved.

4.2.7. Measuring the Damage and Need of Disaster and sending Report

- Immediately after the disaster, 'SOS Form' is to be sent within 24 hours and 'D Form' is to be sent within 7 days to the UP chairman.

- With the help of UP secretary, UP chairman is to collect the reports of every ward and send those to the chairman of upazilla disaster management committee within the next 12 hours.

4.2.8. Relief Activity

- UP chairman has to supervise the relief activity of different relief and rehabilitation assisting groups.
- If any other relief distributor groups come from outside, it is ordered to keep a record of the amount and category of relief and rehabilitation materials and to inform control room of the groups and their assigned areas.
- Union disaster management committee is to fix and distribute the amount/ number of relief materials among people based on vulnerability and damage at ward level.

4.2.9. Collecting and Preparing Dry Food and Life-saving Medicine

- Dry food like flatten rice, puffed rice etc. is to be collected from local markets for instant distribution.
- Food materials like rice, peas, flour, oil etc. and house-building materials like tin, nylon string etc. are to be collected from local markets.
- With the help of health assistant and family planning assistant, all necessary medicines are to be listed and collected at union level.
- Union chairman is to be in charge of assimilation of necessary transportations like rickshaws, taxies and other vehicles to transport relief materials as well as relief workers.

4.2.10. Treatment/ Vaccine for Cattle

- Collecting necessary medicines from upazilla veterinary hospital and preserving those in UP building or health center according to situations
- Arranging necessary trainings on veterinary treatment for the members of union disaster management committee
- Relating experienced persons to veterinary treatment if it is necessary in disaster period

4.2.11. Arranging Rehearsals

- Arranging rehearsals on signal/ warning announcement, evacuation, rescue and primary relief management
- Arranging continual rehearsals in cyclone/ flood prone areas
- Assessing disaster preparation through rehearsals involving the population in April and September each year
- Mentioning in the rehearsals to take the sick, the disable, pregnant women and children to shelter center
- Executing rehearsals, for teaching people of risky areas, in risky villages instead of UP office

4.2.12. Emergency Control Room Management

- Emergency control room has to be established by Upazilla/ Union Parishad Office immediately after disaster. It has to be ensured that there are at least 3/ 4 volunteers and village policemen always in emergency control room.
- Union Parishad secretary and responsible persons are to be in charge of emergency control room.

4.2.13. Shelter Centres/ Safe Places

- Places that do not get washed away in flood and lie away from river erosion can be used as shelter centers.
- Selected shelter centers, local schools, colleges, govt. and non-govt., organizations, high roads and dams can be used as shelter centers.

4.3 List and explanation of area safe places of DashominaUpazilla

Table 4.3: List and explanation of area safe places

No	Name of educational institution	Unoin	Capacity
1	Mordho Betagi Gps	Betagi Sankipur	500
2	E.Betagi Gps	Betagi Sankipur	500
3	Machuyakhali Gps	Betagi Sankipur	500
4	Borogopaldi Gps	Ronogopaldi	500
5	Kharijabetagi Gps	Betagi Sankipur	500
6	W.Alipur Gps	Alipur	500
7	Mordho Khalishakhali Gps	Alipur	500
8	N.Chandpur Gps	Alipur	500
9	S.Chandpur Gps	Alipur	500
10	E.Khalishakhali Gps	Alipur	500
11	Alipurhat Gps	Alipur	500
1	Doshomin Model Gps	Doshomina	500
13	Laxmipur Gps	Doshomina	500
14	E. Doshomina Gps	Doshomina	500
15	N.Doshomina Gps	Doshomina	500
16	Soyed JaforAli Gps	Doshomina	500
17	N.Arojbagi Gps	Doshomina	500
18	Mordho Ronogopaldi Gps	Ronogopaldi	500
19	S. Ronogopaldi Gps	Ronogopaldi	500
20	E.Joutha Gps	Ronogopaldi	500
21	Mordhoguli Auliyapur Gps	Ronogopaldi	500

No	Name of educational institution	Unoin	Capacity
22	Chor Volaising Gps	Ronogopaldi	500
23	E.Auliyapur Gps	Ronogopaldi	500
24	N.Ronogopaldi Gps	Ronogopaldi	500
25	Adompur Gps	Ronogopaldi	500
26	Nehalgong Gps	Bohorampur	500
27	Mordho Bohorampur	Bohorampur	500
28	Bogura Gps	Bohorampur	500
29	N.Adompur Gps	Bohorampur	500
30	S.Adompur Gps	Bohorampur	500
31	Gasani Gps	Bohorampur	500
3 2	Mordho Bashbariya Gps	Bashbariya	500
33	Dondoniya Gps	Bashbariya	500
34	ChorHosnabad Gps	Bashbariya	500
35	S.W.Gachani Gps	Bashbariya	500
36	S.Daspara Gps	Bashbariya	500
37	Ronogopaldi Gps	Bashbariya	500
38	E.Alipur Ramanath shen Gps	Ronogopaldi	500
39	Dabari Betagi Gps	Alipur	500
40	N.Adompur Kalu Mollarhat Gps	Betagi Sankipur	500
41	N.Bohorampur Gps	Bohorampur	500
4	E. AuliyapurChander bandha Gps	Bohorampur	500
43	Guli Auliyapur Adorsho Gps	Alipur	500
44	S.Bashbariya Islamiya Gps	Ronogopaldi	500
45	Chorghuni Gps	Bashbariya	500
46	Thakurerhat Gps	Ronogopaldi	500
47	E.Alipur Gps	Ronogopaldi	500
48	Rambollov Agrani Gps	Alipur	500

No	Name of educational institution	Unoin	Capacity
49	W.Khalishakhali Gps	Betagi Sankipur	500
50	E.Laxmipur Gps	Alipur	500
51	N.Katakhali Gps	Doshomina	500
52	Gopaldi Nejabad Gps	Doshomina	500
53	N.E.Bogura Gps	Doshomina	500
54	South kharijabetagi Gps	Bohorampur	500
55	Bas.Sha keramotia Gps	Betagi Sankipur	500
56	Kauniya Gps	Bashbariya	500
57	Bashbariya Akramkhan Gps	Bashbariya	500
58	S. Gassani Gps	Bashbariya	500
59	N.Sinherkhati Houla Gps	Bashbariya	500
60	S.E.Alipur Gps	Doshomina	500
61	Chinguriya VDC Gps	Alipur	500
62	S.E. Khalishakhali Gps	Betagi Sankipur	500
63	S.E.Alipur Sluige Gps	Alipur	500
64	N Adompur VCD Gps	Alipur	500
65	N. Kholishakhali Gps	Bohorampur	500
66	S.Rambollov Gps	Alipur	500
67	W.Borogopaldi Gps	Betagi Sankipur	500
68	Mordho Joutha Gps	Ronogopaldi	500
69	S..Khalishakhali Gps	Ronogopaldi	500
70	N.E.AlipurGps	Alipur	500
71	Borogopaldi Gps	Alipur	500
72	N.W.Gasani Gps	Ronogopaldi	500
73	Mordho Doshomina Gps	Bashbariya	500
74	S.Arojebagi Gps	Doshomina	500
75	N.W.Mirmodon Gps	Doshomina	500

No	Name of educational institution	Unoin	Capacity
76	Mordho Arojebagi Gps	Doshomina	500
77	E. Ronogopaldi Gps	Doshomina	500
78	N.E. Chandpura Gps	Ronogopaldi	500
79	S.E.DoshominaGps	Alipur	500
80	N.E.Ronogopaldi Gps	Doshomina	500
81	S.E. Ronogopaldi Gps	Ronogopaldi	500
82	Betagi Sankipur VDC Gps	Ronogopaldi	500
83	Sankipur VDC Gps	Betagi Sankipur	500
84	Uttorguli Gps	Betagi Sankipur	500
85	Soyed Jafor W.para Gps	Ronogopaldi	500
86	W.Laxmipur Gps	Doshomina	500
87	Chormachuyakhali Gps	Doshomina	500
88	Adompur Bojlor Rahaman foundation Gps	Betagi Sankipur	500
89	Mordho Chandpura Gps	Bohorampur	500
90	E Chandpura Redcrecent Gps	Alipur	500
91	Chandpur mouzas W.S.ModhuGps	Alipur	500
92	N.Alipur Gps	Alipur	500
93	Mordho Chorghuni Gps	Alipur	500
94	E.Joutha Gps	Ronogopaldi	500
95	Chor borhan Gps	Ronogopaldi	500
96	Ronogopaldi Adorsho Gps	Ronogopaldi	500
97	E.Doni Adompur Gps	Ronogopaldi	500
98	Mordho Gachani Gps	Bohorampur	500
99	S.w.ChandpurGps	Bashbariya	500
100	S.E. Joutha Gps	Alipur	500
101	Mordho Chorborhan Gps	Ronogopaldi	500

No	Name of educational institution	Unoin	Capacity
102	W.Dabari Betagi Gps	Ronogopaldi	500
103	S.Alipur Gps	Betagi Sankipur	500
104	Mirmodon Gps	Alipur	500
105	Chandpura Adorsho Gps	Alipur	500
106	Rohitpur Gps	Alipur	500
107	Mordho Kharijabetagi Gps	Alipur	500
108	Moubariya Gps	Betagi Sankipur	500
109	Mordho Betagi alipur Gps	Alipur	500
110	N.W.Adompura Gps	Alipur	500
111	Bogura Kathalbariya Matubbor para Ngps	Bohorampur	500
112	Bohoampur Adorsho Ngps	Bohorampur	500
113	S.Adompur Sombariya Ngps	Bohorampur	500
114	Mordho.Adompur Sombariya Ngps	Bohorampur	500
115	Ronogopaldi union Ngps	Ronogopaldi	500
116	N.E.Ronogopaldi Ngps	Ronogopaldi	500
117	W.Ronogopaldi union Ngps	Ronogopaldi	500
118	S.Adompur Houladerbari Ngps	Bohorampur	500
119	Uttor Chorhadi Ngps	Doshomina	500
120	Uttor Chorborhan Ngps	Ronogopaldi	500
121	Chandpur Padar chor Ngps	Alipur	500
122	Uttor.Ronogopaldi Adorsho Ngps	Ronogopaldi	500
123	S.Chor Shajalal Ngps	Ronogopaldi	500
124	Mordho Arojbagi Sikdariya Ngps	Bashbariya	500
125	Soyed Jafor Dokkin Para Ngps	Doshomina	500
126	Chorhadi Ngps	Doshomina	500
127	Jutha GaziBari Adorsho Ngps	Ronogopaldi	500

No	Name of educational institution	Unoin	Capacity
128	Chorborhan 5no shet adorsho Ngps	Ronogopaldi	500
129	S.E. Adompura Commu.p.s	Bohorampur	500
130	Uttor Ronogopaldi Commu.Ngps	Ronogopaldi	500
131	W.Chorborhan Commu.Ngps	Bashbariya	500
132	S.Arojobagi Commu.Ngps	Bashbariya	500
133	N.Laxmipur CommuNgps	Doshomina	500
134	S.Chorhosnabad commu.Ngps	Bashbariya	500
135	Auliyapur School and Collage	Ronogopaldi	500
136	Dr.Doli Acbar mohilaCollage	Doshomina	500
137	Mordho betagi soriyatiya dakhil madracha	Betagi Sankipur	500
138	Borogopaldi Augfakhana balika dakhil madracha	Betagi Sankipur	500
139	E.Auliyapur Islamiya dakhil madracha	Alipur	500
140	S.Arojobagi dakhil madracha	Doshomina	500
141	Auliyapur dakhil madracha	Ronogopaldi	500
142	Mordho Betagi soriyatiya dakhil madracha	Betagi Sankipur	500
143	Borogopaldi Augufakhanom balika dakhil madracha	Bohorampur	500
144	E.Auliyapur Islamiya dakhil madracha	Alipur	500
145	Hazirhat nimno mardhomik school	Doshomina	500
146	BibiAiysha balika nimno mardhomik school	Doshomina	500
147	W.Ronogopaldi nimno mardhomik school	Bohorampur	500
148	Mordan PMS nimno mardhomik school	Bohorampur	500
149	N.Ronogopaldi nimno mardhomik school	Bohorampur	500

4.4. Formation of Shelter Management Committee

Shelter management is a very significant part of disaster management. Because of lack of proper and suitable management, many shelter centers get useless. Shelter management:

- Saves life and assets during disasters

- Saves livestock during disasters
- Ensures proper use and management of shelter centers

Shelter Management Committee

- There are 7-9 members in shelter management committee.
- The 7-9 member committee consists of UP chairman/ members, responsible persons, social workers, teachers, NGO staffs, land provider, volunteers etc.
- This committee can act as this management committee according to approval of the denizens.
- Half of the committee members have to be females.
- This committee fixes the responsibilities of shelter management.
- It performs the complete supervision and management of shelter center with the help of the denizens.
- It arranges meetings, keeps records of decisions and fixes responsibilities and deadlines for implementation of those decisions.
- The list of shelter management committee is to be attached to Disaster Management Plan.

The places to be used as shelter centers:

- Selected shelter centers
- Local schools, colleges
- Govt. and non-govt. organization
- High roads and dams

Things to be noticed in shelter center are:

- Preserving tent/ polyether/ ORS/ filter/ necessary medicines (Paracetamol, Flagil etc.)/ water purifying tablets/ bleaching powder etc. in shelter centers
- Measures for drinking water and cooking
- Sanitation system (male-female specified)
- Bathing place (male-female specified)
- Keeping clean and waste free
- Safety
- Light
- Hygiene
- Registration of protected people, enlisting and storing of their reserved assets and returning those properly while discharging
- Distributing duties among particular staffs and volunteers for shelter management
- Managing food and treatment for the protected
- Special care for pregnant women, the old and the disable

Use of Shelter Center:

- Shelter centers are mainly used for safe shelter for vulnerable people during disasters.
- Shelter centers can be used in community development activities except disaster period.
- It can also be used as primary ailment center.
- It can be used as school and education center for elderly people.
- It can be used as wireless station.

Shelter Center Management

- Every shelter center should be properly supervised.
- Local steps should be taken to protect the shelter centers from being ruined.
- Plantation should be maintained surrounding shelter centers in a planned way.
- Shelter center should be locked except disaster period.

- Shelter Management committee should be formed according to guideline.
- The list of Shelter Management committee is to be attached to Disaster Management Committee.

Shelter Management committee is to be attached

Name of Shelter	Responsible Person	Mobile	Remarks
Mordho Betagi GPS	Moh.mosalema Uddin	01714696709	-
Purbp Betagi GPS	Md Abujafur	01710111525	-
Masuyakhali GPS	Odher Chandro Shil	01710020185	-
Borogopaldi GPS	md.Tahomina Begom	01718797211	-
Kharija betagi GPS	AKM Kholilur Rahaman	01728612465	-
E,betagi GPS	Mohammad Moslem Uddin	01924699651	-
Mordho kholishakhali GPS	Mohammad Yousuf Ali Khan	0171473870	-
Uttor Chondpur GPS	Mohammad Moslem Uddin	01924699651	-
Dokkin Chondpur GPS	Mohammad Yousuf Ali Khan	0171473870	-
W.kholishakhali GPS	Md Abdus Salam	01729365577	-
Alipurhat GPS	Hossain Md Hemayet	01716801955	-
Doshomina Model GPS	Begum sabikunnahara	01721190168	-
Laxmipur GPS	Jayanta Kumar Mandal	01740848987	-
W.Doshomina GPS	Mohammad Shahjahan	01725679282	-
Uttor Doshomina GPS	Mary Sultana (Bulu)	01767417760	-
S.JaforGPS	Akhtar Mohammad Farooq	01725385911	-
N.Arojebagi GPS	Nazma Begum mosammat	01914721906	-
Patterchor GPS	Monirul Islam	01725376574	-
Mordho Ronogopaldi GPS	Hasnahena Begum	01728406225	-
S.Ronogopaldi GPS	Md Awlad Hossain	01736917735	-
W,Joutha GPS	Md Jamal Hossain	01716553695	-
Mordhoguli Auliyapur GPS	AS Salam Khan	01773049773	-
Chor Volising GPS	Md Shamsul Haque	01729488164	-
W,Auliyapur GPS	Md Nasir Uddin	01713958639	-
N.Ronogopaldi GPS	Abdul Khalek	01726075058	-
Adompur GPS	Md Abul Kalam Azad	01735109880	-
Nehalgong GPS	Rashida Shabnam	01746846705	-
Mordho bohorampur	Md Anwar Hossain	01716599953	-
Bogura GPS	Ayesha Afrin	01913994887	-
Uttor Adompur GPS	K, M, mophajjela Hossain	01727037454	-
S. Adompur GPS	Minara Begum	01745209347	-
Gasani GPS	Md Hussain Ahmed	01725173351	-
Mordho basbariya GPS	Md Nazrul Islam	01724055989	-
Dhondoniya Gps	Rina Khanom	01731408636	-
Chorhosnabad Gps	Najamunanahara	01920267446	-
S.E.gasani Gps	Md Hatem Ali	01726396303	-
S.daspara Gps	Mrs. Mary mosah	01712434633	-
Ronogopaldirhat Gps	Phloyara Begum	01739062874	-
E.AlipurRamnath Shen Gps	Nurun Nahar Ruma	01732685808	-

Name of Shelter	Responsible Person	Mobile	Remarks
Dabari Betagi Gps	Gopal Chandra Debnath	01735727653	-
N.Adompur kalumollarhat Gps	Sunil Chandra Biswas	01735997067	-
N.Bohorampur Gps	AS Malik	01736-917581	-
E.Alipur Chonderbad Gps	Amir Hossain	01725965707	-
Guli Auliyapur Adorsho Gps	Md Sohrab Hossain	01719305826	-
S.Bashbariya Islamiya Gps	Mustafijur Baby	01729638515	-
Chorghuni Gps	Abul Kalam Azad	01726319588	-
Thakurerhat Gps	Md Zakir Hossain	01724385649	-
E.Alipur Gps	Md Alamgir Shah	01725949374	-
Rambollov Agrani Gps	Abdur Rob	01734384206	-
W.Khalishakhali Gps	Md Shahjahan	01735944204	-
E.Laxmipur Gps	Nuramohammada	01929310391	-
N.Katakali Gps	Md Haroon Siddiqui	01736120437	-
Gopaldi Negambad Gps	Sekander Md Ali	01932950794	-
N.E.Bogura Gps	Md Abu Taher	01736-464390	-
S.kharijabetagi Gps	Md Jahangir Hossain	01723848096	-
Bas.sha Keramot Ali Gps	Md Farooq Alam	01712-431697	-
Kauniya Gps	Md Amin	01915846218	-
Bashbariya Akramkhan Gps	Returns	01715403733	-
S. Gassani Gps	AS Malik Khan	01735-985719	-
Gopaldi Negambad N.Sinherkhathi Houla Gps	Md Jahangir Alam Khan	01711-219894	-
S.E.Alipur Gps	Ishrat Jahan mosah minu	01735-666866	-
Chinguriya VDC Gps	Abuyala Kashem	01728874119	-
S.E. Khalishakhali Gps	Rijiya Begum	01749592996	-
S.E.Alipur Sluige Gps	Dewan Md Yousuf	01749825673	-
N Adompur VCD Gps	Md Moslem Uddin	01778-171914	-
N. Kholishakhali Gps	Mohammad Hossain	01720-201839	-
S.Rambollov Gps	Md Shah Alam	01745-339757	-
W.Borogopaldi Gps	Abdur Razzak	01732-940098	-
Mordho Joutha Gps	Md Shah Alam	01749-874481	-
S..Khalishakhali Gps	Md Sohrab Hossain	01725122302	-
N.E.AlipurGps	Md Altaf hosana	01762-103642	-
Borogopaldi Gps	Md Abdus Salam	01925035325	-
N.W.Gasani Gps	Kazi mine Uddin	01728-251938	-
Mordho Doshomina Gps	Md Blow	01710596827	-
S.Arojebagi Gps	Md Haque	01710832863	-
N.W.Mirmodon Gps	AS Khalek	01764681772	-
Mordho Arojebagi Gps	Attractions Sheel	01766-733351	-
E. Ronogopaldi Gps	Mosah Morzina Khatun	01728544064	-
N.E. Chandpura Gps	Shishir Kumar	01716925850	-
S.E.DoshominaGps	AS Md Rahman	01715497802	-
N.E.Ronogopaldi Gps	Mohammad Kabir Hossain	01753623475	-
S.E. Ronogopaldi Gps	Md Shamim	01724578848	-
Betagi Sankipur VDC Gps	Md Abdur Rob	01724800960	-
Sankipur VDC Gps	Md Reza Khan	01716-265374	-

Name of Shelter	Responsible Person	Mobile	Remarks
Uttorguli Gps	Md Shahjahan	01718745712	-
Soyed Jafor W.para Gps	Md Ismail Hossain	01743-685150	-
W.Laxmipur Gps	Babul Chandra Fans	01772350505	-
Chormachuyakhali Gps	Md Abid Hussain	01815-454975	-
Adompur Bojlur Rahaman foundation Gps	Babul Chandra Shil	01736-281036	-
Mordho Chandpura Gps	Md Siddique abubakkara	01721809053	-
E Chandpura Redcrecent Gps	Idrisura Rahman	01728366849	-
Chandpur mouzas W.S.ModhuGps	Md Jahangir Hossain	01735663042	-
N.Alipur Gps	Ruma Begum	01764-848534	-
Mordho Chorghuni Gps	Abdur Rahim Chairman	01734126225	-
E.Joutha Gps	Ab. mannana Howlader	01724770982	-
Chor borhan Gps	Md Abul Kalam	01715787267	-
Ronogopaldi Adorsho Gps	Alauddin Al ajada	01721538749	-
E.Doni Adompur Gps	Mosah sakinura Begum	01719-939811	-
Mordho Gachani Gps	Manjara Alam	01725679260	-
S.w.ChandpurGps	Shiv Kanti Bose	01763-206671	-
S.E. Joutha Gps	Md Omar Farooq	01717-203537	-
Mordho Chorborhan Gps	AS Razzak	01965713183	-
W.Dabari Betagi Gps	Um kulasuma	01748-266962	-
S.Alipur Gps	Mohammad Salim	01752-447903	-
Mirmodon Gps	Hamida mosah	01723582213	-
Chandpura Adorsho Gps	Nasima Begum	01715-258856	-
Rohitpur Gps	Md Habibur Rahman	01719-588905	-
Mordho Kharijabetagi Gps	Abdur Rob	01724771137	-
Moubariya Gps	Md Alauddin	01732-030176	-
Mordho Betagi alipur Gps	Delwar Hossain	01713-610889	-
N.W.Adompura Gps	Mohmahabubura Rahman	01754016244	-
Bogura Kathalbariya Matubbor para Ngps	Maksuda Begum	01937323213	-
Bohoampur Adorsho Ngps	Shahina Akhter	01733423301	-
S.Adompur Sombariya Ngps	Rahima Meters	01744-705069	-
Mordho.Adompur Sombariya Ngps	Morsheda Begum	01928045937	-
Ronogopaldi union Ngps	Amal Chandra Das	01713962213	-
N.E.Ronogopaldi Ngps	Cult Plumber	01754-940183	-
W.Ronogopaldi union Ngps	Anjana Queen Roy	01724771136	-
S.Adompur Houladerbari Ngps	Md kamarala Amazon	01911-611067	-
Uttor Chorhadi Ngps	Md Arifur Rahman	01713-869364	-
Uttor Chorborhan Ngps	Md Anwar Hossain	01724895961	-
Chandpur Padar chor Ngps	Arifa Begum mosah	01760604107	-
Uttor.Ronogopaldi Adorsho Ngps	Md Al-Mamun	01729362771	-
S.Chor Shajalal Ngps	Mosah Asma Begum	01734-040063	-
Mordho Arojbagi Sikkariya	Huge Chandra Shil	01748-170065	-

Name of Shelter	Responsible Person	Mobile	Remarks
Ngps			
Soyed Jafor Dokkin Para Ngps	Nasima Begum mosah	01760426170	-
Chorhadi Ngps	Mosah sahanaja Khanom	01710596827	-
Jutha GaziBari Adorsho Ngps	Md Sohag	01736-940645	-
Chorborhan 5no shet adorsho Ngps	Md Ramiz Uddin	01737432598	-
S.E. Adompura Commu.p.s	Md Blow	01720691052	-
Uttor Ronogopaldi Commu.Ngps	Md Ruhul Amin	01734-881506	-
W.Chorborhan Commu.Ngps	Mosah rahima Begum	01728875001	-
S.Arojobagi Commu.Ngps	Md Abu Taher	01833-315715	-
N.Laxmipur Commu.Ngps	Tapan Kumar Hung	01733-834351	-
S.Chorhosnabad commu.Ngps	Mosah horse Begum	01981189362	-
Auliyapur School and Collage	Mosah Gardens of Paradise	01771762948	-
Dr.Doli Acbar mohilaCollage	Mosah kulasuma	01770-566497	-
Mordho betagi soriyatiya dakhil madracha	Md Shah Waliul Islam	01716-838090	-
Borogopaldi Augfakhana balika dakhil madracha	Farzana Begum mosah	01747-696855	-
E.Auliyapur Islamiya dakhil madracha	Md Rezaul Karim	01776-769035	-
S.Arojobagi dakhil madracha	Md Abul Hashem	01725397043	-

Source: Field visits, 2014

Use of Shelter Center:

- Shelter centers are mainly used for safe shelter for vulnerable people during disasters.
- Shelter centers can be used in community development activities except disaster period.
- It can also be used as primary ailment center.
- It can be used as school and education center for elderly people.
- It can be used as wireless station.

Shelter Center Management

- Every shelter center should be properly supervised.
- Local steps should be taken to protect the shelter centers from being ruined.
- Plantation should be maintained surrounding shelter centers in a planned way.
- Shelter center should be locked except disaster period.
- Shelter Management committee should be formed according to guideline.
- The list of Shelter Management committee is to be attached to Disaster Management Committee.

4.5 List of Resources of Upazilla (usable during disaster)

Table:4.5 List of Resources of Upazilla usable during disaster

Structure/ Assets	Quantity	Responsible Parson	Brief Description
Shelter home	39	PIO	upazila in the center 34, 141 has the Calm Shelter Center.
Boat	1500	Union Chairman	There is no boat in upazila of government management.

Mud Shelter killa	08	PIO	There are three upazila in the union stronghold The soil 8.
Cars	02	UNO, Upazila Chairman	--
Speed Boat	01	UNO	The speed Boat are damage.

Source: Field visits, 2014

4.6. Finance

The income of Union Parishad arises from collecting local tax, approving lease for hat/ bazaars and canals/ swamps and approving trade licenses for business and trade. But, this authority has been taken away from Union Parishad. As a result, its income sources have been reduced. Nonetheless, Govt. is presently allowing Union Parishad 1% of land registration fee that UP used to have the whole of it before. Moreover, after the salaries of gram polices and UP secretary are paid with this money, the rest is seldom sent to UP. Very recently, govt. has taken measures to allow 4/5 laka taka per year directly to UP.

Income of Parishad

There must be a deposit for every Union Parishad.

- (a) Local Sources (union tax, rate & fees)
 - Tax on yearly fiscal value of household
 - Tax on business, trade and profession (trade license)
 - Licenses and Permit fees issued by UP
 - Lease money
 - Hat/ bazaar leasing
 - Moorage (ghat) leasing
 - Public pond leasing
 - Khoarr (cattle detention place) leasing
 - Tax on vehicles except motor cars
 - Income from properties
 - General deposit of UP
- (b) Govt. donation
 - Development sector
 - Agriculture
 - Health and sanitation
 - Road construction and repairing
 - Development assisting deposit (LGSP)
 - Adjustment
 - Honorary bills for chairman and members
 - Salaries and bills for secretary and other staffs
 - Others
 - 1% of land registration tax
- (c) Local govt. sources
 - Money allowed by Upazilla Parishad
 - Money allowed by Zilla Parishad
- (d) Non-govt. development organization
 - NGOs

○ CDMP

Various donor organizations and non- govt. development organizations are financing directly to UP to strengthen local govt. A better achievement depends on efficiency, sincerity and, most importantly, good-governance of Union Parishad. UP is supposed to manage the finance considering all the hazards and promoting those that are the major obstacles for the development of the union. UP should prepare, finance and implement every development project relating disaster risk reduction to it.

4.7. Updating and Analyzing Work Plan

2 follow-up committees are to be structured to devise plan.

1. Plan Follow-up Committee
2. Plan Implementation and Management Committee

Plan Follow-up Committee

5 member plan recording and presentation committee

1. Chairman
2. Secretary
3. NGO representative
4. 2 members (from general committee)

Table:4.6 member plan recording and presentation committee

No	Name	Designation	Number
1	Md. Sakhayot hossen	Charman	01711639307
2	Sohorab Hossen	Secretary	01718510225
3	Jahidujaman	Tim leder Sped Trast	017157686272
4	Md.Moslem uddin	Member	01745707484
5	Md.Hossen	Member	01721734238

Source : Dasamina Upazila Disaster Management Committee, 2014

Tasks of committee:

- Assessing rough plan and devising final plan
- Sector-wise planning activity e.g. consulting Deputy Assistant Agriculture Officer for planning on agriculture, livestock and fishery
- Making the plan pragmatic signifying specific tasks and finance

Planning Implementation and Maintenance Committee

Table 4.7: List of the 7 members of the planning committee to implement and maintain.

No	Name	Designation	Number
1	Md.Shakhauat Hossen	Upozila Charman	01711639307
2	Sohorab Hossen	Secretary	01718510225
3	Begom Samsur Nahar Khan Doli	Female Member	01913543301
4	S,M.Shajada	Govt,Sarvice holder	01710150228
5	Mahafujur Rahaman	Tec,officer save the Children	0175768672
6	Md.Sonjib Mredha	Member	01922096969
7	Indrojit Kumar Mondol	Member	01712117752

Source : Dasamina Upazila Disaster Management Committee, 2014

Tasks of the Committee:

- Every year in April/ May, present work plan must be updated through complete assessment, essential modification and addition. Committee member secretary is personally liable for taking the steps. All necessary amendments must be implemented assessing the flaws of current plan immediately after any disaster.
- Every year in April/ May, disaster management rehearsal must be celebrated by the direction of Management Bureau on national disaster day.
- Disaster management plan has to be approved by District Disaster Management Committee.
- Plan implementation should be supervised.
- Communication with different organization should be maintained.

Chapter Five

Rescue and Rehabilitation Plan

5.1 Damage Assessment

Table 5.1: Damage Assessment

Sectors	Description
Agriculture	<p>Climate change dasamina sub-districts on May3,2004, September 11,2004, March 11,2005, on September 19, 2006, 15 November In 2007, 15 November 2008, 5 th May 2009, October 8,2010, June8,2011 the whirl storm the sub-district 10, 14,850 acres of land crops 49250 people economically affected590 families. September 19, 2006, 2007, 15 November, 15 November 2008, 2009 on May 5, the 16th of June 2011 tidel surgh dasamina sub-districts like the 13,600 acres of land crops tidel surgh 35.500 people economically affected families is 5720. 2004 and 2009 on May 5 due to sudden flooding sub-districts dasamina 7,307 families 15,350 acres of crops have been affected economically 39,500 people. 200 killed in north-wester dasamina May 6th sub-district suddenly 10,590 acres of crops have been affected 14,850 families economically 49250 people. Dasamina districts of erosion crops 2550 acres of land in 2420 of 15,150 people have been affected economically. If you like the heavy rain on the 15th of 2008 sub-districts dasamina 7,307 families 15,350 acres of land out of crops economically 39,500 people have been affected. Dasamina sub-districts drought 7,307 families 15.350 acres of land out of crops economically 39,500 people have been affected.</p>
Fisheries	<p>On 5 May in 2009 sub-districts dasamina If tidel surgh like Aila in pond water damage in various diseases of fish and fish floated 28900 people and 5,550 families have been affected economically. This may be causing the lack of meat. Bannya like 004 and 009 on May 5 3720 in the districts dasamina the fish pond water damage in various diseases and fish floated in 4320 families 30,900 people economically affected.</p>
Plantation	<p>Dasamina climate change in 2007 districts, 15 November 2013 the Aila cyclone-like storm collapsed the abundant vegetation. Protect the environmental balance could be upset. 14 of the most abundant plants of erosion union may be dissolved in the river. This may disrupt the balance of the environment.</p>

Sectors	Description
Health	water borne sub-diseases due to sudden sub-districts dasamina tidal surgh 5,300 people economically affected families is 1260. Moreover, a variety of water borne diseases in the district due to the sudden flooding of 6,600 people in 2620 are affected economically. Districts in 1986, 1987, 1988, 1995, 1998, 2004 and 2009 on May 5, when the floods left approximately 60% of pregnant women delivery at banyakalina killed them threatened and endangered due to communication. The outbreak of water borne diseases can occur. Approximately 50% of the 2001 sub-districts in the public interest such as eczema may occur. Moreover, due to drought carmarogasaha health may occur in different ways.
Livelihood	Districts dasamina climate change, floods, droughts, nadibhangana, ghanakuyasa, drought, etc., if you out to organize disaster krsisampada result, a tremendous impact on the livelihoods of fisheries resource in the lives of people and livestock ksatigrastasaha. All you out at 38% of the people in the district can become karmasunya. This may be caused by the severity of the economy under dasamina.
Water	06 sub-districts, unions dasamina flood of climate change, the lack of pure drinking water tidal surgh due to drowning can occur tiuboyela. Flood, tidal surgh 22762 hectares of crops could be lost as a result, many families may suffer economically. The severity of the disease can be spread in a variety of carmarogasaha and krsisampada, fisheries resource and livestock may be affected.
Infrastructure	Like climate change in a sudden storm on November 15, 2007 and 2013 about 5% of the infrastructure of education and religious institutions may face losses, which may disrupt education. A large number of mud homes have been destroyed in the attack of the storm 60% could be economically ksatigrasthasaha shelter. In 1988, approximately 75 kilometers of the road like a flood can damage and may be impassable. Which may impede communication. 6, more than 300 km of erosion union roads, schools, colleges and other infrastructure can be erosion. Many homes have been submerged in the 16% provisional shelter may ksatigrasthasaha family economically. 2003 On June 8, the 11th of September, 2004 districts, 10,150 ghuni storm raw and semi-pucca houses the dasamina 12770 crash families economically ksatigrasthasaha 55,357 people could shelter. 6 May 2007 in the north-wester dasamina raw and semi-pucca 10150 houses have been destroyed in the sub-district 12770 families may be bleak damages 55,357 people economically. 1995, 1998, 2450, due to erosion of the homes in the sub-district dasamina to erosion in 2560 13,375 people in the family may suffer economically. The sudden flood of raw and semi sub-districts dasamina 5,930 homes were submerged in the 5,380 family economically damages 27800 people may be bleak.

Source: Field inspection, 2014

5.2 Advanced Recovery

5.2.1 Administration Reconstruction

Table 5.2: Administration Reconstruction Committee

No	Name	Designation	Mobile Number
1	Md.Azaharul Islam	Chairman	01718262156
2	Sohorab Hossen	Secretary	01718510225
3	Md,Jakir Hossen	Govt,Sarviceholder	01938313811
4	Dip Sikha Joyenti	Female Member	01725134861
5	Md.Atekur Rahaman (Sagor)	Member	01739400545
6	Md.Moshiur Rahaman	Member	01715436730

Data Source : dasamina Upazila Disaster Management Committee, 2014

5.2.2 Clean up the distruct material

Table 5.3: List of clear debris.

No	Name	Designation	Mobile Number
1	Md.Azaharul Islam	Chairman	01718262156
2	Sohorab Hossen	Secretary	01718510225
3	Sonjib Mredha	Govt,Sarviceholder	01722096969
4	Begom Serin Sultana	Female Member	01720908789
5	Md. Icbal Mahamud Leton.	Member	01712158015
6	Md.Jakir Hossen	Member	01934313811

Source : dasamina Upazila Disaster Management Committee, 2014

5.2.3 Introduction of Social Work

Table 5.4: List of public restart.

No	Name	Designation	Mobile Number
1	Md.Azaharul Islam	Chairman	01718262156
2	Sohorab Hossen	Secretary	01718510225
3	Dr.Moshiul Alom	Govt,Sarviceholder	01716546396
4	Abdul Mojid Sikder	Member	01938011302
5	Md.Jakir Hossen	Member	01934313811
6	Md.Atekur Rahaman (Sagor)	Member	01739400545

Source : Dasamina Upazila Disaster Management Committee, 2014

5.2.4 Emergency Livelihoods Support

Table 5.5: Emergency Livelihoods Support Committee

No	Name	Designation	Mobile Number
1	Md.Azaharul Islam	Chairman	01718262156
2	Sohorab Hossen	Secretary	01718510225
3	Dip Sikha Joyenti	Govt,Sarviceholder	01725134861
4	Sunil Kumar Roy	Member	01716212333
5	Md.Ronjurul Islam	Member	01824698040
6	Md.Icbal Mahamud (Leton)	Member	01712158015

Source : Dasamina Upazila Disaster Management Committee,2014

Annex 1

Check List of Emergency Plan Implementation

Checklist

The following 'Table' (checklist) has to be checked out immediately after the broadcast of 5 number danger signal by radio/ television and necessary measures have to be taken.

S. N.	Subject	Yes/ No
1.	If the selected members of volunteer group assigned for warning announcement have been ordered to declare the coming hazard	yes
2.	If the responsible persons/ groups are prepared to rescue the people of vulnerable areas	yes
3.	If the declaration to keep dry food and drinking water buried under ground for 2/1 days is announced	yes
4.	If life jackets for the safety of volunteer groups are provided	yes
5.	If the necessary manpower is prepared to keep Union Control Room open constantly	yes
6.	If the necessary safety measures for union food storage/ relief storage are ensured	no
7.	Others	

N. B.

- Assessing the checklist, immediate measures should be taken for the flawed sectors.
- It is very necessary to manage life jackets for volunteer groups with union parishad deposit or any other source/ organization.

Checklist

- The following 'Table' (checklist) must be filled and sent to Upazilla Nirbahi Officer and District Commissioner discussing in the meeting of Disaster Management Committee within 15th of April/May each year.

Sl. no	Subject	Mark (√)
1	If sufficient food is reserved in Union food storage	
2	If the children of risk zones have been served with vaccines	
3	If the children (1-6) and their mothers are served with vitamins	

Sl. no	Subject	Mark (√)
4	If sufficient amount of oral saline is reserved in UP Clinic/ Hospital	
5	If the members of volunteers group are served with annual training	
6	If there are necessary drugs and first aid equipment's for each shelter	
7	If there is selected village doctor for each shelter	
8	If there is tubewell for each shelter	
9	If the doors and windows of each shelter are in proper condition	
10	If the alternative care taker is present in each shelter	
11	If there are separate facilities for women in each shelter	
12	If there are selected midwives for the taking care of pregnant women in each shelter	
13	If mound shelters are selected for the cattle	
14	If the member of volunteers group are aware of their assigned responsibilities.	
15	If there is sanitation facilities each shelter	
16	If the microphones are activated to spread weather announcement and danger signals	
17	If the people are made aware to preserved dry food and drinking water for at least 2/1 days	
18	Others	

Annex : 2

Upozila Disester Management Committee

No	Name	Designation	Designation of Members	Number
1	Md.Shakhauat Hossen	Upozila Charman	President	01711639307
2	Md.Azaharul Islam	Upozila Nirbahi Officer	Co-President	01718262156
3	Begom Samsur Nahar Khan Doli	Vice Charman	Member	01913543301
4	Md.Sonjib Mredha	Union Agricultural officer	Member	01922096969
5	Indrojit Kumar Mondol	BMW creatures Resources Officer	Member	01712117752
6	Md.Anichur Rahaman	Union Education officer	Member	01721630756
7	Md.Shajahan	Union Fisheries officer(on duty)	Member	01720014875
8	Aboni Mohon Das	Union Food Controller	Member	01716512919
9	Md.Abdur Roshed	Assistant Director, hurricane preparedness programs	Member	01716740304
10	Md. Runjurul Islam	Upazila Rural Development Officer	Member	01824698040
11	Sunil Kumar Roy	Upazila youth development officer	Member	01716212333
12	Begom Serin Sultana	Upazila Women Affairs Officer (c Dr.)	Member	01720908789
13	Md.Asadur Rahaman	Upazila Cooperative Officer	Member	01772853255
14	Md.Azaharul Islam	Assaistant Sattlement Commissinor	Member	01718262156
15	Md. Najmul Alom Chuduri	Police Inspector(Doshomina Thana)	Member	01713374321
16	Dr.Mosiur Rahaman	Union Health and Family Planning officer	Member	01716546396
17	Md.Hosen Ali	Upozila Prokusoli	Member	01713376083
18	Md.Abul Basar	Sub-Assistant Engineer,	Member	01914141983

No	Name	Designation	Designation of Members	Number
		Public Health		
19	Md.Abdul Mojid Shikder	Upazila Ansar and VDP officer	Member	01938011302
20	Md.Jahidujjaman	Tim Leder Sprid trast	Member	01757686272
21	SoyedMahafuj	President BRDB	Member	
22	Md.Mahafujur Rahaman	Technical Officer Save the Children	Member	01757686272
23	H.M Forkan	President Press Club	Member	01718721544
24	MA.Mamun Sikder	Principal ART Degree Collage	Member	01712344663
25	Md.Ajharul Islam	Upozila Comander of freedom.	Member	01718262156
26	Md.Jakir Hossen	Charman Ronogopaldi	Member	01934313811
27	Md Atikur Rahaman Sagor	Charman Alipur	Member	01739400545
28	Md. Moshiur Rahaman	Charman Betagi Sankipur	Member	01715436730
29	Md.Iqbal Mahamud Liton	Charman Doshomina	Member	01712158015
30	Soiyed Mahafujur Rahaman	Charman Bohorampur	Member	01715586788
31	Md.Altaf Hossen	Charman Basbaria	Member	01718501948
32	Md.Sohorab Hossen	PIO	General Secretary	01718510225

Source : dasamina Upazila Disaster Management Committee, 2014

Annex -3

Unoin Volunteer List

Si.No	Name	Union	Traning	Mobile
01	Mukul Ahammed	Doshomina	Alarm	01718700379
02	Md.Alauddin	Doshomina	Saving	01722203936
03	Aogufa Begom	Doshomina	First Aid	01713629433
04	Md.Khorshed Alom	Doshomina	Selter	01752167727
05	Chand Miya	Alipur	Alarm	01788075671
06	Md. Shaalom Mredha	Alipur	Alarm	01930762119
07	Md.AbdulAjiz Houlader	Alipur	Selter	01742406090
08	Mrs.Tahomina Begum	Alipur	Relif	0191833426
09	Abdul Hai	Betagi Sankipur	Alarm	01720116747
10	Jalal Sarder	Betagi Sankipur	Alarm	01744705098
11	Kollan Chondro Odikari	Betagi Sankipur	Selter	01729322092
12	Nomita Rani	Betagi Sankipur	First Aid	01748266930
13	Moslem Uddin	Bohorampur	Alarm	01745707483
14	Monir Hossen	Bohorampur	Alarm	01710620671
15	Babul Hossen	Bohorampur	Selter	01777998257
16	Korim Jan	Bohorampur	Alarm	01720593089
17	Mujibor khan	Basbariya	Alarm	01735727946
18	Md.Nurul Huq Houlader	Basbariya	Alarm	01917983821
19	Md.Anower	Basbariya	উদ্ধার	01916716828
20	Mrs.Taslima	Basbariya	Selter	01746308549
21	Md.Hossen	Ronogopaldi	Alarm	01721734238
22	Nasir Uddin	Ronogopaldi	First Aid	01712733277
24	Md.Jahid Hossen	Ronogopaldi	Relif	01729557980
25	Mrs.Najmun Nahar	Ronogopaldi	Selter	01736797128

Source : dasamina Upazila Disaster Management Committee, 2014

Annex- 4

Shelter House Management comitee

Mound shelter

Name of Shelter	Responsible Person	Mobile	Remarks
Auliyapur Mound shelter	Sohorab Hossen (PIO)	01718510225	Ronogopaldi
Chor-Borhan Mound shelter	Sohorab Hossen (PIO)	01718510225	Ronogopaldi
Chandpur Mound shelter	Sohorab Hossen (PIO)	01718510225	Alipur
Patterchor Mound shelter	Sohorab Hossen (PIO)	01718510225	Ronogopaldi
Doshomina Mound shelter	Sohorab Hossen (PIO)	01718510225	Doshomina
Nolkhola Mound shelter	Sohorab Hossen (PIO)	01718510225	Doshomina
Katakhali Mound shelter	Sohorab Hossen (PIO)	01718510225	Doshomina
Chorhadi Mound shelter	Sohorab Hossen (PIO)	01718510225	Doshomina

Source : dasamina Upazila Disaster Management Committee, 2014

School Cum Shelter

Name of Shelter	Responsible Person	Mobile	Remarks
Mordho Betagi GPS	Moh.mosalema Uddin	01714696709	-
Purbp Betagi GPS	Md Abujafur	01710111525	-
Masuyakhali GPS	Odher Chandro Shil	01710020185	-
Borogopaldi GPS	md.Tahomina Begom	01718797211	-
Kharija betagi GPS	AKM Kholilur Rahaman	01728612465	-
E,betagi GPS	Mohammad Moslem Uddin	01924699651	-
Mordho kholishakhali GPS	Mohammad Yousuf Ali Khan	0171473870	-
Uttor Chondpur GPS	Mohammad Moslem Uddin	01924699651	-
Dokkin Chondpur GPS	Mohammad Yousuf Ali Khan	0171473870	-
W.kholishakhali GPS	Md Abdus Salam	01729365577	-
Alipurhat GPS	Hossain Md Hemayet	01716801955	-
Doshomina Model GPS	Begum sabikunnahara	01721190168	-

Name of Shelter	Responsible Person	Mobile	Remarks
Laxmipur GPS	Jayanta Kumar Mandal	01740848987	-
W.Doshomina GPS	Mohammad Shahjahan	01725679282	-
Uttor Doshomina GPS	Mary Sultana (Bulu)	01767417760	-
S.JaforGPS	Akhtar Mohammad Farooq	01725385911	-
N.Arojebagi GPS	Nazma Begum mosammat	01914721906	-
Patterchor GPS	Monirul Islam	01725376574	-
Mordho Ronogopaldi GPS	Hasnahena Begum	01728406225	-
S.Ronogopaldi GPS	Md Awlad Hossain	01736917735	-
W,Joutha GPS	Md Jamal Hossain	01716553695	-
Mordhoguli Auliyapur GPS	AS Salam Khan	01773049773	-
Chor Volising GPS	Md Shamsul Haque	01729488164	-
W,Auliyapur GPS	Md Nasir Uddin	01713958639	-
N.Ronogopaldi GPS	Abdul Khalek	01726075058	-
Adompur GPS	Md Abul Kalam Azad	01735109880	-
Nehalgong GPS	Rashida Shabnam	01746846705	-
Mordho bohorampur	Md Anwar Hossain	01716599953	-
Bogura GPS	Ayesha Afrin	01913994887	-
Uttor Adompur GPS	K, M, mophajjela Hossain	01727037454	-
S. Adompur GPS	Minara Begum	01745209347	-
Gasani GPS	Md Hussain Ahmed	01725173351	-
Mordho basbariya GPS	Md Nazrul Islam	01724055989	-
Dhondoniya Gps	Rina Khanom	01731408636	-
Chorhosnabad Gps	Najamunanahara	01920267446	-
S.E.gasani Gps	Md Hatem Ali	01726396303	-
S.daspara Gps	Mrs. Mary mosah	01712434633	-
Ronogopaldirhat Gps	Phloyara Begum	01739062874	-
E.AlipurRamnath Shen Gps	Nurun Nahar Ruma	01732685808	-
Dabari Betagi Gps	Gopal Chandra Debnath	01735727653	-
N.Adompur kalumollarhat Gps	Sunil Chandra Biswas	01735997067	-
N.Bohorampur Gps	AS Malik	01736-917581	-
E.Alipur Chonderbad Gps	Amir Hossain	01725965707	-
Guli Auliyapur Adorsho Gps	Md Sohrab Hossain	01719305826	-
S.Bashbariya Islamiya Gps	Mustafijur Baby	01729638515	-
Chorghuni Gps	Abul Kalam Azad	01726319588	-
Thakurerhat Gps	Md Zakir Hossain	01724385649	-
E.Alipur Gps	Md Alamgir Shah	01725949374	-
Rambollov Agrani Gps	Abdur Rob	01734384206	-
W.Khalishakhali Gps	Md Shahjahan	01735944204	-
E.Laxmipur Gps	Nuramohammada	01929310391	-
N.Katakhali Gps	Md Haroon Siddiqui	01736120437	-
Gopaldi Negambad Gps	Sekander Md Ali	01932950794	-
N.E.Bogura Gps	Md Abu Taher	01736-464390	-
S.kharijabetagi Gps	Md Jahangir Hossain	01723848096	-

Name of Shelter	Responsible Person	Mobile	Remarks
Bas.sha Keramot Ali Gps	Md Farooq Alam	01712-431697	-
Kauniya Gps	Md Amin	01915846218	-
Bashbariya Akramkhan Gps	Returns	01715403733	-
S. Gassani Gps	AS Malik Khan	01735-985719	-
Gopaldi Negambad N.Sinherkhati Houla Gps	Md Jahangir Alam Khan	01711-219894	-
S.E.Alipur Gps	Ishrat Jahan mosah minu	01735-666866	-
Chinguriya VDC Gps	Abuyala Kashem	01728874119	-
S.E. Khalishakhali Gps	Rijiya Begum	01749592996	-
S.E.Alipur Sluige Gps	Dewan Md Yousuf	01749825673	-
N Adompur VCD Gps	Md Moslem Uddin	01778-171914	-
N. Kholishakhali Gps	Mohammad Hossain	01720-201839	-
S.Rambollov Gps	Md Shah Alam	01745-339757	-
W.Borogopaldi Gps	Abdur Razzak	01732-940098	-
Mordho Joutha Gps	Md Shah Alam	01749-874481	-
S..Khalishakhali Gps	Md Sohrab Hossain	01725122302	-
N.E.AlipurGps	Md Altaf hosana	01762-103642	-
Borogopaldi Gps	Md Abdus Salam	01925035325	-
N.W.Gasani Gps	Kazi mine Uddin	01728-251938	-
Mordho Doshomina Gps	Md Blow	01710596827	-
S.Arojebagi Gps	Md Haque	01710832863	-
N.W.Mirmodon Gps	AS Khalek	01764681772	-
Mordho Arojebagi Gps	Attractions Sheel	01766-733351	-
E. Ronogopaldi Gps	Mosah Morzina Khatun	01728544064	-
N.E. Chandpura Gps	Shishir Kumar	01716925850	-
S.E.DoshominaGps	AS Md Rahman	01715497802	-
N.E.Ronogopaldi Gps	Mohammad Kabir Hossain	01753623475	-
S.E. Ronogopaldi Gps	Md Shamim	01724578848	-
Betagi Sankipur VDC Gps	Md Abdur Rob	01724800960	-
Sankipur VDC Gps	Md Reza Khan	01716-265374	-
Uttorguli Gps	Md Shahjahan	01718745712	-
Soyed Jafor W.para Gps	Md Ismail Hossain	01743-685150	-
W.Laxmipur Gps	Babul Chandra Fans	01772350505	-
Chormachuyakhali Gps	Md Abid Hussain	01815-454975	-
Adompur Bojlor Rahaman foundation Gps	Babul Chandra Shil	01736-281036	-
Mordho Chandpura Gps	Md Siddique abubakkara	01721809053	-
E Chandpura Redcrecent Gps	Idrisura Rahman	01728366849	-
Chandpur mouzas W.S.ModhuGps	Md Jahangir Hossain	01735663042	-
N.Alipur Gps	Ruma Begum	01764-848534	-
Mordho Chorghuni Gps	Abdur Rahim Chairman	01734126225	-
E.Joutha Gps	Ab. mannana Howlader	01724770982	-
Chor borhan Gps	Md Abul Kalam	01715787267	-

Name of Shelter	Responsible Person	Mobile	Remarks
Ronogopaldi Adorsho Gps	Alauddin Al ajada	01721538749	-
E.Doni Adompur Gps	Mosah sakinura Begum	01719-939811	-
Mordho Gachani Gps	Manjara Alam	01725679260	-
S.w.ChandpurGps	Shiv Kanti Bose	01763-206671	-
S.E. Joutha Gps	Md Omar Farooq	01717-203537	-
Mordho Chorborhan Gps	AS Razzak	01965713183	-
W.Dabari Betagi Gps	Um kulasuma	01748-266962	-
S.Alipur Gps	Mohammad Salim	01752-447903	-
Mirmodon Gps	Hamida mosah	01723582213	-
Chandpura Adorsho Gps	Nasima Begum	01715-258856	-
Rohitpur Gps	Md Habibur Rahman	01719-588905	-
Mordho Kharijabetagi Gps	Abdur Rob	01724771137	-
Moubariya Gps	Md Alauddin	01732-030176	-
Mordho Betagi alipur Gps	Delwar Hossain	01713-610889	-
N.W.Adompura Gps	Mohmahabubura Rahman	01754016244	-
Bogura Kathalbariya Matubbor para Ngps	Maksuda Begum	01937323213	-
Bohoampur Adorsho Ngps	Shahina Akhter	01733423301	-
S.Adompur Sombariya Ngps	Rahima Meters	01744-705069	-
Mordho.Adompur Sombariya Ngps	Morsheda Begum	01928045937	-
Ronogopaldi union Ngps	Amal Chandra Das	01713962213	-
N.E.Ronogopaldi Ngps	Cult Plumber	01754-940183	-
W.Ronogopaldi union Ngps	Anjana Queen Roy	01724771136	-
S.Adompur Houladerbari Ngps	Md kamarala Amazon	01911-611067	-
Uttor Chorhadi Ngps	Md Arifur Rahman	01713-869364	-
Uttor Chorborhan Ngps	Md Anwar Hossain	01724895961	-
Chandpur Padar chor Ngps	Arifa Begum mosah	01760604107	-
Uttor.Ronogopaldi Adorsho Ngps	Md Al-Mamun	01729362771	-
S.Chor Shajalal Ngps	Mosah Asma Begum	01734-040063	-
Mordho Arojbagi Sikdariya Ngps	Huge Chandra Shil	01748-170065	-
Soyed Jafor Dokkin Para Ngps	Nasima Begum mosah	01760426170	-
Chorhadi Ngps	Mosah sahanaja Khanom	01710596827	-
Jutha GaziBari Adorsho Ngps	Md Sohag	01736-940645	-
Chorborhan 5no shet adorsho Ngps	Md Ramiz Uddin	01737432598	-
S.E. Adompura Commu.p.s	Md Blow	01720691052	-
Uttor Ronogopaldi Commu.Ngps	Md Ruhul Amin	01734-881506	-
W.Chorborhan Commu.Ngps	Mosah rahima Begum	01728875001	-
S.Arojbagi Commu.Ngps	Md Abu Taher	01833-315715	-
N.Laxmipur CommuNgps	Tapan Kumar Hung	01733-834351	-
S.Chorhosnabad commu.Ngps	Mosah horse Begum	01981189362	-
Auliyapur School and Collage	Mosah Gardens of Paradise	01771762948	-
Dr.Doli Acbar mohilaCollage	Mosah kulasuma	01770-566497	-
Mordho betagi soriyatiya dakhil	Md Shah Waliul Islam	01716-838090	-

Name of Shelter	Responsible Person	Mobile	Remarks
madracha			
Borogopaldi Augfakhana balika dakhil madracha	Farzana Begum mosah	01747-696855	-
E.Auliyapur Islamiya dakhil madracha	Md Rezaul Karim	01776-769035	-
S.Arojebagi dakhil madracha	Md Abul Hashem	01725397043	-

Source : dasamina Upazila Disaster Management Committee, 2014

Public / private institutions

Name of Shelter	Responsible Person	Mobile	Remarks
Ranagopaladi Union Council	Mr. Md Zakir Hossain	01934313811	--
Alipur Union Parishad	Atikur Mr. Rahman (Sagar)	01739400545	--
Betagi sanakipura Union Parishad	Mr Mr Rahman	01715436730	--
Dasamina Union Council	Mr. Iqbal Mahmood Ahmed	01712158015	--
Bohorampur Union Council	Mr. Syed mahfuzur Rahman	01715586788	--
Basbariya Union Council	Mr. Altaf Hussain	01718501948	--

Source : dasamina Upazila Disaster Management Committee, 2014

Elevated road or dam

Name of Shelter	Responsible Person	Mobile	Remarks
Dasamina ranagopaladi tagarirahata from the Patuakhali (dasaminara part) until the road	Mr. Iqbal Mahmood Leton	01712158015	--
Bangalera mart road basariya Union has	Mr. Altaf Hussain	01718501948	--
The road from the Union has dasamina hajirahata	Mr. Iqbal Mahmood Leton	01712158015	--
Dasamina khairahata road from UP	Mr. Iqbal Mahmood Leton	01712158015	--
Dasamina arajabegi market road from UP	Mr. Iqbal Mahmood Leton	01712158015	--
Hats dasamina Alipore road from HQ	Mr. Iqbal Mahmood Leton	01712158015	--
Hats rangopaladi the road from HQ ulaniya dasamina grathasentara	Md.Jakir hossen	01934313811	--
Gachani grathasentara hajirahata grathasentara road	Mr. Iqbal Mahmood Leton	01712158015	--
Bangalera mart road basariya Union has	Mr. Iqbal Mahmood Leton	01712158015	--
Dasamina subdistrict includes 35.5 km badham. 06 km far from the gate of which appeared dasamina College.	Mr. Iqbal Mahmood Leton	01712158015	--

Name of Shelter	Responsible Person	Mobile	Remarks
Answer ranagopaladi Amir Uddin Sharif guard house on the west side of the house jomaddara Kalibari building fit up to 10 km badham badham ewe.	Md.Jakir hossen	01934313811	--
Western Union has caraghuni from North dahdike aija Uddin guard house until the 03 km bheribadham pasadiya phakirabari badham Gorge	Md.Jakir hossen	01934313811	--

Source : Dasamina Upazila Disaster Management Committee, 2014

Health Management Committee

Health center	Responsible Person	Mobile	Remarks
Upazila Health Complex	Dr. Md Shawkat Osman	0442356118/01720555222	--
	Dr Awlad Hossain	01915854202	--
	Dr. Sarwar Jahan Rana	01717796617	--
	Isatiyaka Dr Asif Khan	01700444747	--
	Afsana Parvin	01760055977	--
Ronogopaldi Union	Md Shah Alam	01716993915	--
	Md Zakir Hossain	01718486542	--
	Mosah Mahamuda	01720462923	--
	Md Jamal Hossain	01717461056	--
	Kazi jahiramnala Amazon	01913893008	--
Alipur Union	Md Siddiqur Rahman	01728661809	--
	Mosah rapheja Khatun	01712491433	--
	Md Rabiul Islam	01913578234	--
	Jahan line mosah nacharina	01714892356	--
	Halima Begum	01724749277	--
Betagi sankipur Union	Md Siddiqur Rahman	01728661809	--
	Shahnawaz mosah Parvin	01710480657	--
	Mosah Shirin Begum	01718699627	--
	Akhter Nipa	01749978626	--
	Kismat Jahan tachalima	01712456074	--
Doshomina Union	Md Khalilur Rahman	01736250180	--
	Mosah Asma Begum	01720217296	--
	Mosah Outdoor Meters	01749791999	--
	Health Assistant	01739115302	--
Bohorampur Union	Health Assistant	001728026202	--
	Health Assistant	01721778111	--
	Begum Khaleda	01729646421	--
Basbariya	Hossain Md mosarepha	01914853861	--

Health center	Responsible Person	Mobile	Remarks
Union	Mr. Anil Chandra Pal	01720462686	--
	Nusrat Jahan Fahima	01728309251	--
Alipur Union	Md Rafiqul Islam	01734679668	--
	Md Imam Hossain	01721481066	--
	Nazmun Nahar	01731272544	--
	Habiba Begum	01734413846	--
	Md. Kamarnala Khan	01727295280	--

Source dasamina Upazila Disaster Management Committee, 2014

Approval Safety Committee

fire station	Responsible Person	Mobile	Remarks
There is no fire station in the upazila.	There is no fire station in the upazila.	There is no fire station in the upazila.	There is no fire station in the upazila.

Data Source dasamina Upazila Disaster Management Committee, 2014

Engine powered boats

union	Responsible Person	Mobile	Remarks
Ronogopaldi	Md Hossain	01721734238	--
	Nasir Uddin	01712733277	--
	Md Zahid Hossain	01729557980	--
Alipur	Md Abdul Aziz HOWLADER	01742406090	--
	Md Shah Alam Mridha	01930762119	--
	Would Mia	01788075671	--
Betagisankipur	Abdul Hai	01720116747	--
	Sardar Jalal	01744705098	--
	Kallyana Chandra Adhikari	01729322092	--
Doshomina	Md Alauddin	01722203936	--
	Mukul Ahmed	01718700379	--
	Mohammad Khorshed Alam HOWLADER	01752167727	--
Bohorampur	Moslem Uddin	01745707483	--
	Monir Hossain	01710620671	--
	Babul Hossain Mollah	01777998257	--
	Karim Jan	01720593089	--
Bashbariya	Mujibur Khan	01735727946	--

union	Responsible Person	Mobile	Remarks
	Md Nurul Haque HOWLADER	01917983821	--
	Md Anwar	01916716828	--

Source dasamina Upazila Disaster Management Committee, 2014

Local trader

Union	Name of the local trader	Mobile	Remarks
Bashbariya	Md Jamal Hossain	01931575462	--
	Md Dulal Hossain	01927660354	--
	Morsida Md Alam	01922-913096	--
Betagisankipur	Md Mir Hossein	01733916827	--
	Md Abul Hossain	01772-777580	--
	Md Rezaul Karim	01925140091	--
Doshomina	Md majibara	01817-220585	--
		01721366920	--
	Md Uddin Near	01715761308	--
		01716512669	--
Alipur	Mujibur pyada	01723519992	--
		01718-461459	--
	Md Salim Mulla	01771-403995	--
Bohorampur		01821603598	--
	Md Anwar Hossain	01750079268	--
	Md Shah Alam	0176185141	--
	Md Yunus cokidara	01926291943	--
Ronogopaldi	Md mosarepha HOWLADER	01736120047	--
	Mohammad Gias Uddin Islam Rubel	01724050920	--

Source dasamina Upazila Disaster Management Committee, 2014

Annex -5

Upazila dasamina at a glance

Area	300.74	Churches	No
Union	06	Idagamh	90
Town	55	Bank	5
Village	51	Post Office	07
Family	82970 T	Club	22
Total Population	123392	Hat Market	21
Male	60245	Cemetery	58
Female	63.147	Cremation ghat	15
Educational institutions	Of 4	Chicken farm	96
Government Primary Schools	120	Weaving industry	No
Non-Govt. Primary Schools	38	DTW	4276
Secondary High Schools	16	Shallow tube wells	2423
Others Schools	6	Hand-operated wells	488
College	02	River	02
Madrasa (Dakhil, Fazil, ebatedayi)	16 + 3 + 3 = 22	Canal	21
Literacy	65%	Bill	3

Community Clinic	16	Ponds	11.884
Dam	35.5 km	Pond	06
Sluica Gate	5	Paving	147.00 km
Bridges / culverts (welding, Steele,)	466	Half of paving	8.00 km
Mosque	126	Raw on the road	334 km
Temple	44	Mobile Tower	5
		Playground	70

Annex -6

List of Some Important Broadcast Programs of Bangladesh Betar

Radio Centre	Program	Time	Day
Dhaka-ka	Krishi Shamachar	6.55-7.00 am	Everyday
	Shukher Thikana	7.25-7.30 am	Everyday
	Shasthoi Shukher Mul	11.30-1200 am	Everyday exept Friday
	Shonali Foshol	6.05-6.35 pm	Everyday
	Weather News	6.50-7.00 pm	Everyday
Chittagong	Krishi Kotha	6.55-7.00 pm	Everyday
	Krishi Khamar	6.10-6.50 pm	Everyday exept Monday
	Shukhi Saongshar	8.10-8.30 pm	Everyday exept Friday
Rajshahi	Khet Khamar Shamachar	6.55-7.00 am	Everyday
	Shabuj Bangla	6.05-6.50 pm	Everyday
Khulna	Shastho Tatthyo	6.55-7.00 am	Everyday
	Krishi Shamachar	4.20-4.30 pm	Everyday
	Chashabad	6.10-6.50 pm	Everyday
Rangpur	Shukher Thikana	7.25-7.30 am	Everyday
	Khet Khamare	6.05-6.35 pm	Everyday
Shylet	Ajker Chashabad	6.55-7.00 am	Everyday
	Shukher Thikana	7.25-7.30 am	Everyday
	Shymol Shylet	6.05-6.50 pm	Everyday exept Friday
Thakurgaon	Kishan Mati Desh	6.05-6.25 pm	Suterday, Monday & Wednesday
Cox's Bazar	Ajker Krishi	3.07-3.45 pm	Everyday
	Sonali Prantor	3.40-3.45 pm	Tuesday & Thursday
Barishal	Krishi Kotha	3.15-3.30 pm	Everyday exept Sunday, Wednesday & Friday

	Chhoto Paribar	3.35-3.50 pm	Everyday exept Monday, Wednesday & Friday
Rangamati	Jiboner Jonno	1.50-1.55 pm	Everyday
	Khamar Bari	3.05-3.15 pm	Everyday

*** Weather news is broadcast to all stations at 6.50 pm.**

Some Important Broadcast Programs of Community Radio

Radio Centre	Program	Time	Day

Interactive Voice Response (IVR)

Interactive Voice Response (IVR) refers to disaster early warning system that spreads disaster early warnings to common people via mobile phone. One can get weather news and early warning for flood and river ports dialing 10941.

Annex -7

Feedback through Sharing/Consultation with Upazila Disaster Management Committee (Validation Workshop/Meeting) Dashomina Upazila

Introduction:

The disaster management plan has been shared with the Upazila Disaster Management Committee (UzDMC) through a validation workshop in 10/07/2014, 11.30 am at the Upazila Conference Room at Dashmina Upazila. In this workshop the Chairperson named Md. Sakawat Hossain (Upazila Chairman), Co-Chairperson named Md Ajaharul Islam (UNO), Secretary named Md. Shoarab Hossain (PIO) as well as other members (total 35 numbers) were present in this sharing workshop. The workshop also chaired by the Upazila Chairman, Dashmina and the meeting operated by PIO. The objectives of the meeting were share the final draft findings/report to incorporate the DM plan report to finalize.

Major Activities:

- Presentation and discussion about the prepared final draft report of disaster management plan
- Hazard & vulnerability as well as risk map
- Findings sharing, reviewed and feedback taken to incorporate the report

Recommendations/List of Feedback:

- Suggested to not included irregular rainfall as a hazard in the upazilla hazard list
- Proposal development for damaged embankment rehabilitation and support seek from CDMP.
- In the causes section the roads were destroyed faster due to tidal surge or flood.

- The embankment section from north Ranogopaldi Sarif Jomatder's house to Kalibari via west side of Amir Uddhin Chukider's house embankment length will 10 km instead of 07 km (which need to rehabilitate urgently)
- Include Char Borhan and Auliapur village in the vulnerable place in the report as these areas were situated on the bank of coastal river.
- In the union volunteer it could be included the name of UP members and village police.

Open Discussion & Closing Remarks:

In the open discussion session Upazila Chairman Md. Sakawat Hossain has given thanks to the participants and the presented report as disaster management plan. He has also mentioned its importance to prepare future plan for disaster management and told that all the information has nicely articulated & clearly presented and overall report were excellent. This plan also mentioned about reviewed as incorporate feedbacks from this workshop and include the feedback accordingly. Md Ajaharul Islam UNO Dashmina discussed about the presented report and everything's were almost rightly mentioned. The risk mapping of the upazilla hazards were also fine to locate the risk zone which will be helpful to us and given his thanks for such activities. He has been mentioned that tidal surge and cyclone is the main hazard in the upazila which always damaged the embankment. Thus we have to rehabilitate the embankment properly and there were more or less same things with the other upazila in the context of disaster vulnerability. Upazila Agriculture Office Mr. Sanjib Mridha mentioned that overall agricultural information were taken and putted rightly here. The river bank erosion of the Tetulia river; every year around 10 acres of land destroyed. Hee has tanks to all data collectors here. Simultaneously the Upazila Engineer Eng Md Hossain Ali said that the given numbers of bridge, culverts, and roads were rightly mentioned. However, if we can able to raised all the roads then it would be safe during flood and tidal surge of the upazila. Dashmina Union Parisad Chairman has mentioned that report and information were ok moreover we can include UP members name and village police name within the union volunteer list. In the meeting different NGO personnel i.e. Save the Children, Speed Trust representatives were present here and recommended to keep such information at the upazila level for future plan. Upazila Project Implementation Officer has told that Shushilan representatives were communicated with us in different times and collected data. We would be great full to give the final version of the report to the Upazila. Finally, the Chairperson Md. Sakawat Hossain thanks for the all members of the meetings as well as Shushilan and conclude the workshop session.

Annex -8

Union-based educational organization List

Table number 1.6: Summary list of union-based educational organization

No	Name of educational institution	Number of Learners	Number of teachers	Unoin	Whether used as shelters
1	Mordho Betagi Gps	327	6	Betagi Sankipur	yes
2	E.Betagi Gps	248	5	Betagi Sankipur	yes
3	Machuyakhali Gps	345	7	Betagi Sankipur	yes
4	Borogopaldi Gps	415	7	Ronogopaldi	yes
5	Kharijabetagi Gps	210	4	Betagi Sankipur	yes
6	W.Alipur Gps	201	4	Alipur	yes
7	Mordho Khalishakhali Gps	177	4	Alipur	yes
8	N.Chandpur Gps	252	5	Alipur	yes
9	S.Chandpur Gps	204	4	Alipur	yes
10	E.Khalishakhali Gps	209	5	Alipur	yes
11	Alipurhat Gps	254	4	Alipur	yes

No	Name of educational institution	Number of Learners	Number of teachers	Unoin	Whether used as shelters
1	Doshomin Model Gps	799	10	Doshomina	yes
13	Laxmipur Gps	227	6	Doshomina	yes
14	E. Doshomina Gps	259	4	Doshomina	yes
15	N.Doshomina Gps	343	6	Doshomina	yes
16	Soyed JaforAli Gps	437	6	Doshomina	yes
17	N.Arojbagi Gps	236	4	Doshomina	yes
18	Mordho Ronogopaldi Gps	258	6	Ronogopaldi	yes
19	S. Ronogopaldi Gps	266	4	Ronogopaldi	yes
20	E.Joutha Gps	302	5	Ronogopaldi	yes
21	Mordhoguli Auliyapur Gps	277	4	Ronogopaldi	yes
22	Chor Volaising Gps	89	6	Ronogopaldi	yes
23	E.Auliyapur Gps	323	2	Ronogopaldi	yes
24	N.Ronogopaldi Gps	165	6	Ronogopaldi	yes
25	Adompur Gps	195	5	Ronogopaldi	yes
26	Nehalgong Gps	328	6	Bohorampur	yes
27	Mordho Bohorampur	168	4	Bohorampur	yes
28	Bogura Gps	118	6	Bohorampur	Yes
29	N.Adompur Gps	171	4	Bohorampur	yes
30	S.Adompur Gps	251	4	Bohorampur	yes
31	Gasani Gps	406	6	Bohorampur	yes
3 2	Mordho Bashbariya Gps	278	8	Bashbariya	yes
33	Dondoniya Gps	247	6	Bashbariya	yes
34	ChorHosnabad Gps	202	3	Bashbariya	yes
35	S.W.Gachani Gps	117	5	Bashbariya	yes

No	Name of educational institution	Number of Learners	Number of teachers	Unoin	Whether used as shelters
36	S.Daspara Gps	309	4	Bashbariya	yes
37	Ronogopaldi Gps	396	6	Bashbariya	yes
38	E.Alipur Ramanath shen Gps	499	8	Ronogopaldi	yes
39	Dabari Betagi Gps	190	8	Alipur	yes
40	N.Adompur Kalu Mollarhat Gps	193	4	Betagi Sankipur	yes
41	N.Bohorampur Gps	223	4	Bohorampur	yes
4	E. AuliyapurChander bandha Gps	190	4	Bohorampur	yes
43	Guli Auliyapur Adorsho Gps	151	4	Alipur	yes
44	S.Bashbariya Islamiya Gps	181	4	Ronogopaldi	yes
45	Chorghuni Gps	130	4	Bashbariya	yes
46	Thakurerhat Gps	213	4	Ronogopaldi	yes
47	E.Alipur Gps	192	4	Ronogopaldi	yes
48	Rambollov Agrani Gps	162	4	Alipur	yes
49	W.Khalishakhali Gps	130	4	Betagi Sankipur	yes
50	E.Laxmipur Gps	188	4	Alipur	yes
51	N.Katakhali Gps	258	4	Doshomina	yes
52	Gopaldi Nejabad Gps	190	4	Doshomina	yes
53	N.E.Bogura Gps	181	4	Doshomina	yes
54	South kharijabetagi Gps	193	4	Bohorampur	yes
55	Bas.Sha keramotia Gps	220	4	Betagi Sankipur	yes
56	Kauniya Gps	186	4	Bashbariya	yes
57	Bashbariya Akramkhan Gps	189	4	Bashbariya	yes
58	S. Gassani Gps	181	4	Bashbariya	yes

No	Name of educational institution	Number of Learners	Number of teachers	Unoin	Whether used as shelters
59	N.Sinherkhathi Houla Gps	196	4	Bashbariya	yes
60	S.E.Alipur Gps	179	4	Doshomina	yes
61	Chinguriya VDC Gps	187	4	Alipur	yes
62	S.E. Khalishakhali Gps	150	4	Betagi Sankipur	yes
63	S.E.Alipur Sluige Gps	160	4	Alipur	yes
64	N Adompur VCD Gps	185	4	Alipur	yes
65	N. Kholishakhali Gps	181	4	Bohorampur	yes
66	S.Rambollov Gps	186	4	Alipur	yes
67	W.Borogopaldi Gps	148	4	Betagi Sankipur	yes
68	Mordho Joutha Gps	190	4	Ronogopaldi	yes
69	S..Khalishakhali Gps	183	4	Ronogopaldi	yes
70	N.E.AlipurGps	197	4	Alipur	yes
71	Borogopaldi Gps	186	4	Alipur	yes
72	N.W.Gasani Gps	180	4	Ronogopaldi	yes
73	Mordho Doshomina Gps	181	4	Bashbariya	yes
74	S.Arojebagi Gps	174	4	Doshomina	yes
75	N.W.Mirmodon Gps	183	4	Doshomina	yes
76	Mordho Arojebagi Gps	78	4	Doshomina	yes
77	E. Ronogopaldi Gps	172	4	Doshomina	yes
78	N.E. Chandpura Gps	178	4	Ronogopaldi	yes
79	S.E.DoshominaGps	180	4	Alipur	yes
80	N.E.Ronogopaldi Gps	192	4	Doshomina	yes
81	S.E. Ronogopaldi Gps	192	4	Ronogopaldi	yes
82	Betagi Sankipur VDC Gps	197	4	Ronogopaldi	yes

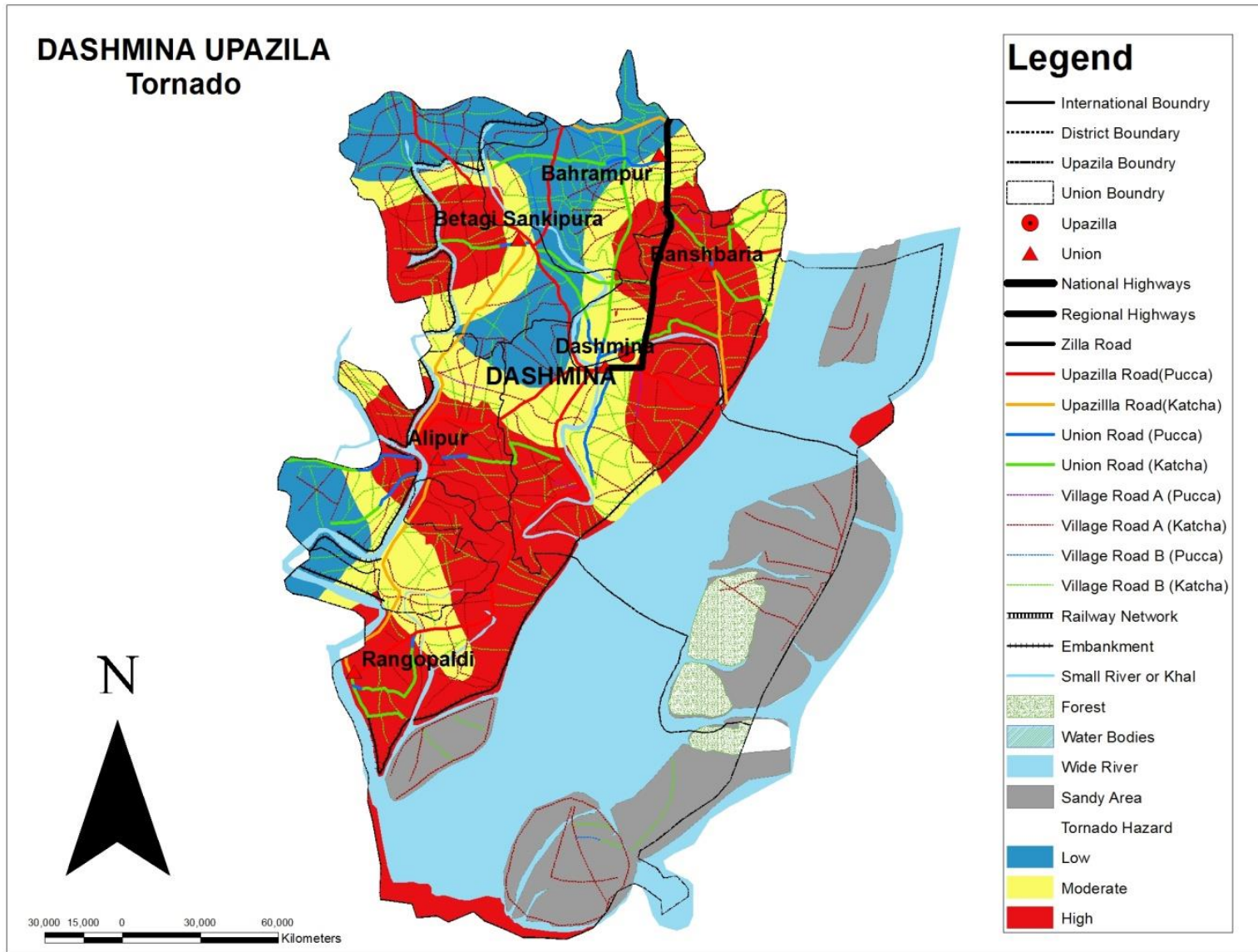
No	Name of educational institution	Number of Learners	Number of teachers	Unoin	Whether used as shelters
83	Sankipur VDC Gps	197	4	Betagi Sankipur	yes
84	Uttorguli Gps	175	4	Betagi Sankipur	yes
85	Soyed Jafor W.para Gps	200	4	Ronogopaldi	yes
86	W.Laxmipur Gps	204	4	Doshomina	yes
87	Chormachuyakhali Gps	186	4	Doshomina	yes
88	Adompur Bojlur Rahaman foundation Gps	177	4	Betagi Sankipur	yes
89	Mordho Chandpura Gps	179	4	Bohorampur	yes
90	E Chandpura Redcrecent Gps	170	4	Alipur	yes
91	Chandpur mouzas W.S.ModhuGps	186	4	Alipur	yes
92	N.Alipur Gps	121	4	Alipur	yes
93	Mordho Chorghuni Gps	184	4	Alipur	yes
94	E.Joutha Gps	135	4	Ronogopaldi	yes
95	Chor borhan Gps	148	4	Ronogopaldi	yes
96	Ronogopaldi Adorsho Gps	207	4	Ronogopaldi	yes
97	E.Doni Adompur Gps	185	4	Ronogopaldi	yes
98	Mordho Gachani Gps	180	4	Bohorampur	yes
99	S.w.ChandpurGps	130	4	Bashbariya	yes
100	S.E. Joutha Gps	130	4	Alipur	yes
101	Mordho Chorborhan Gps	204	4	Ronogopaldi	yes
102	W.Dabari Betagi Gps	169	4	Ronogopaldi	yes
103	S.Alipur Gps	181	4	Betagi Sankipur	yes

No	Name of educational institution	Number of Learners	Number of teachers	Unoin	Whether used as shelters
104	Mirmodon Gps	180	4	Alipur	yes
105	Chandpura Adorsho Gps	183	4	Alipur	yes
106	Rohitpur Gps	171	4	Alipur	yes
107	Mordho Kharijabetagi Gps	172	4	Alipur	yes
108	Moubariya Gps	188	4	Betagi Sankipur	yes
109	Mordho Betagi alipur Gps	152	4	Alipur	yes
110	N.W.Adompura Gps	168	4	Alipur	yes
111	Bogura Kathalbariya Matubbor para Ngps	195	4	Bohorampur	yes
112	Bohoampur Adorsho Ngps	192	4	Bohorampur	yes
113	S.Adompur Sombariya Ngps	181	4	Bohorampur	yes
114	Mordho.Adompur Sombariya Ngps	184	4	Bohorampur	yes
115	Ronogopaldi union Ngps	175	4	Ronogopaldi	yes
116	N.E.Ronogopaldi Ngps	176	4	Ronogopaldi	yes
117	W.Ronogopaldi union Ngps	194	4	Ronogopaldi	yes
118	S.Adompur Houladerbari Ngps	182	4	Bohorampur	yes
119	Uttor Chorhadi Ngps	187	4	Doshomina	yes
120	Uttor Chorborhan Ngps	155	4	Ronogopaldi	yes
121	Chandpur Padar chor Ngps	153	4	Alipur	yes
122	Uttor.Ronogopaldi Adorsho Ngps	207	4	Ronogopaldi	yes
123	S.Chor Shajalal Ngps	169	4	Ronogopaldi	yes
124	Mordho Arojbagi Sikdariya Ngps	188	4	Bashbariya	yes
125	Soyed Jafor Dokkin Para Ngps	175	4	Doshomina	yes
126	Chorhadi Ngps	200	4	Doshomina	yes

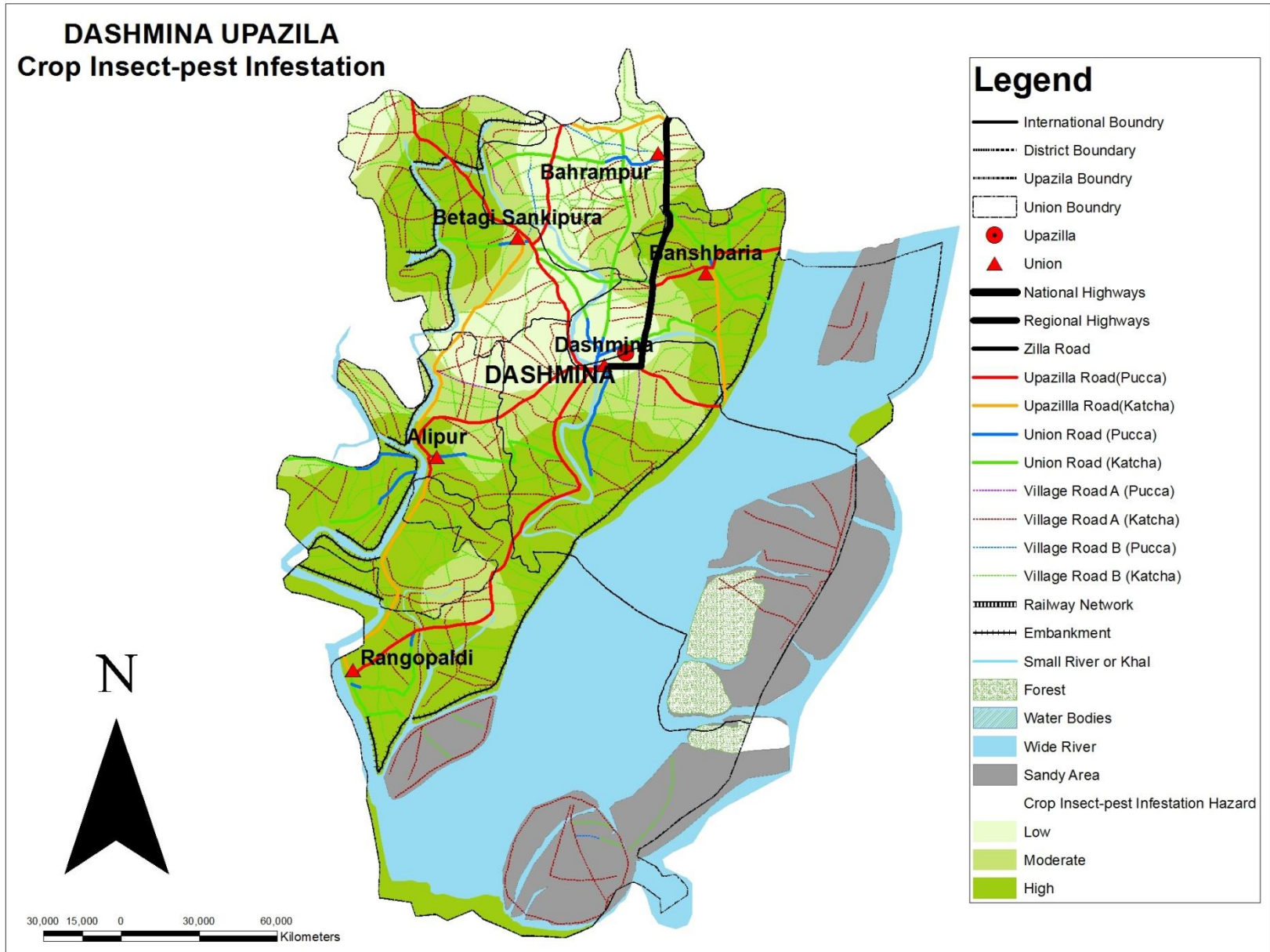
No	Name of educational institution	Number of Learners	Number of teachers	Unoin	Whether used as shelters
127	Jutha GaziBari Adorsho Ngps	154	4	Ronogopaldi	yes
128	Chorborhan 5no shet adorsho Ngps	160	4	Ronogopaldi	yes
129	S.E. Adompura Commu.p.s	182	4	Bohorampur	yes
130	Uttor Ronogopaldi Commu.Ngps	130	4	Ronogopaldi	yes
131	W.Chorborhan Commu.Ngps	187	4	Bashbariya	yes
132	S.Arojebagi Commu.Ngps	172	4	Bashbariya	yes
133	N.Laxmipur CommuNgps	135	4	Doshomina	yes
134	S.Chorhosnabad commu.Ngps	55	4	Bashbariya	yes
135	Auliyapur School and Collage	45	4	Ronogopaldi	yes
136	Dr.Doli Acbar mohilaCollage	256	14	Doshomina	yes
137	Mordho betagi soriyatiya dakhil madracha	282	12	Betagi Sankipur	No
138	Borogopaldi Augfakhana balika dakhil madracha	282	12	Betagi Sankipur	No
139	E.Auliyapur Islamiya dakhil madracha	352	15	Alipur	No
140	S.Arojebagi dakhil madracha	286	15	Doshomina	No
141	Auliyapur dakhil madracha	341	16	Ronogopaldi	No
142	Mordho Betagi soriyatiya dakhil madracha	206	10	Betagi Sankipur	No
143	Borogopaldi Augufakhanom balika dakhil madracha	230	12	Bohorampur	No
144	E.Auliyapur Islamiya dakhil madracha	256	13	Alipur	No
145	Hazirhat nimno mardhomik school	246	8	Doshomina	No
146	BibiAiysha balika nimno mardhomik school	135	7	Doshomina	No
147	W.Ronogopaldi nimno mardhomik school	120	6	Bohorampur	No

No	Name of educational institution	Number of Learners	Number of teachers	Unoin	Whether used as shelters
148	Mordan PMS nimno mardhomik school	122	8	Bohorampur	No
149	N.Ronogopaldi nimno mardhomik school	145	8	Bohorampur	No
		31038	744		--

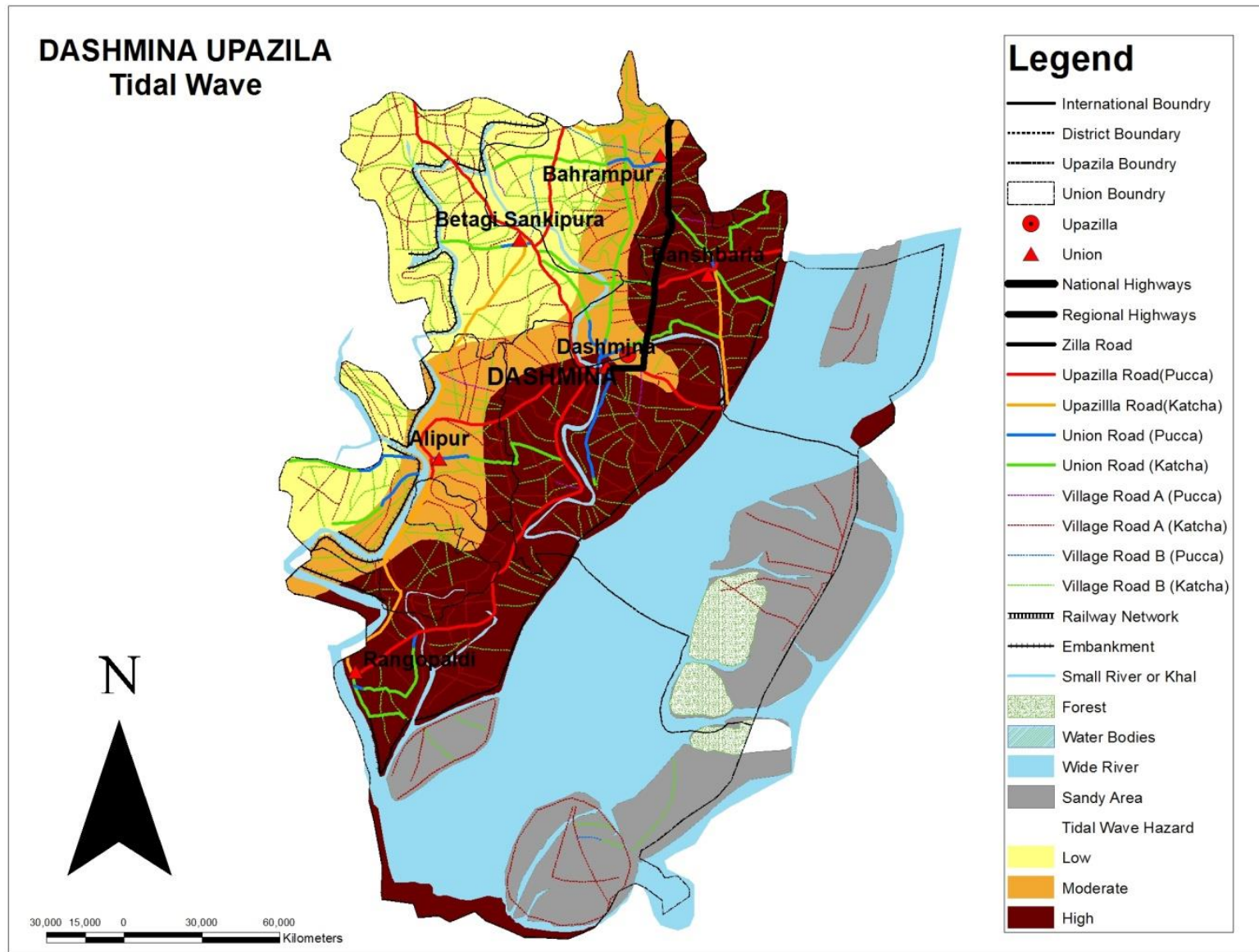
Annex -9



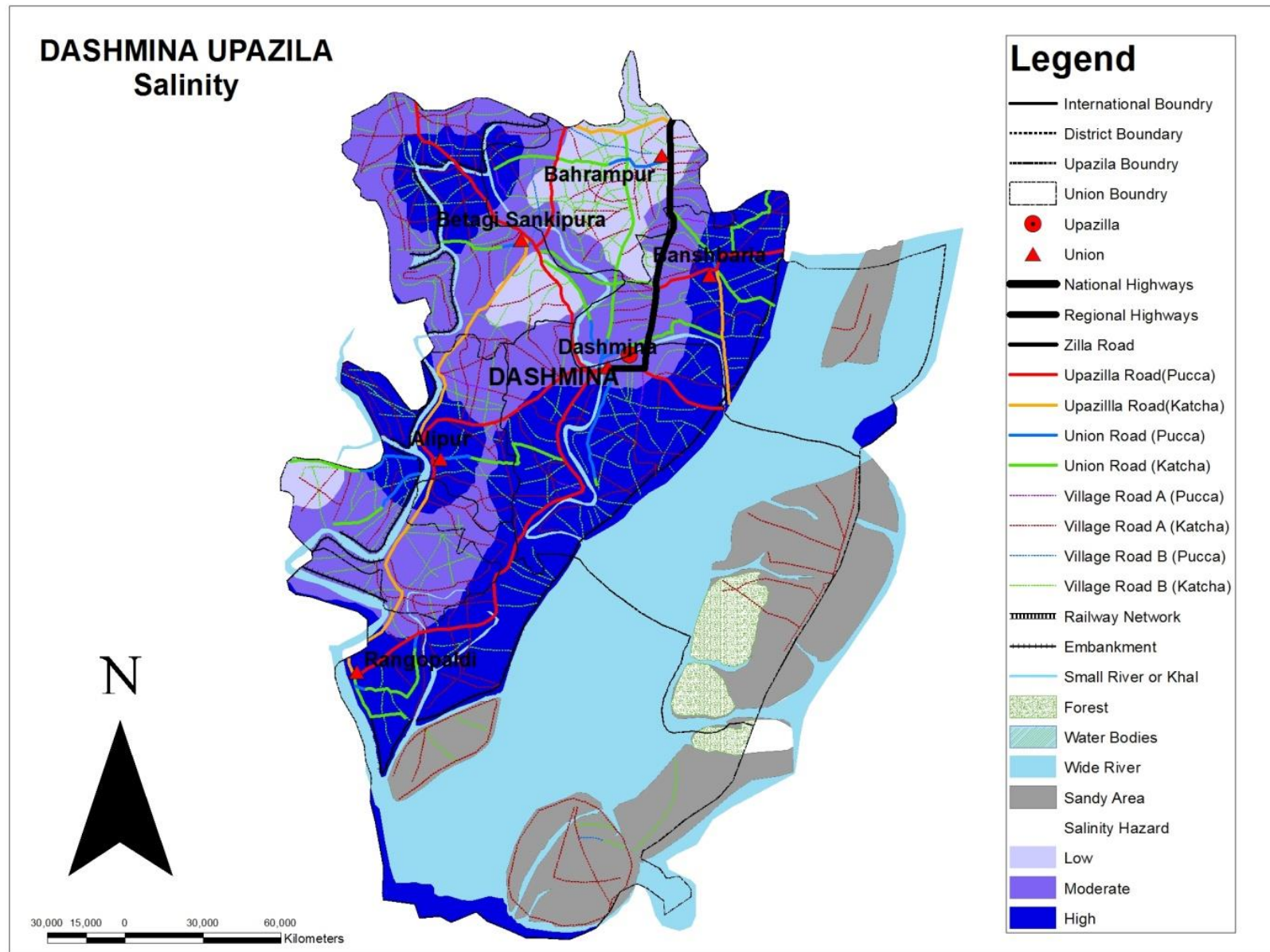
DASHMINA UPAZILA Crop Insect-pest Infestation



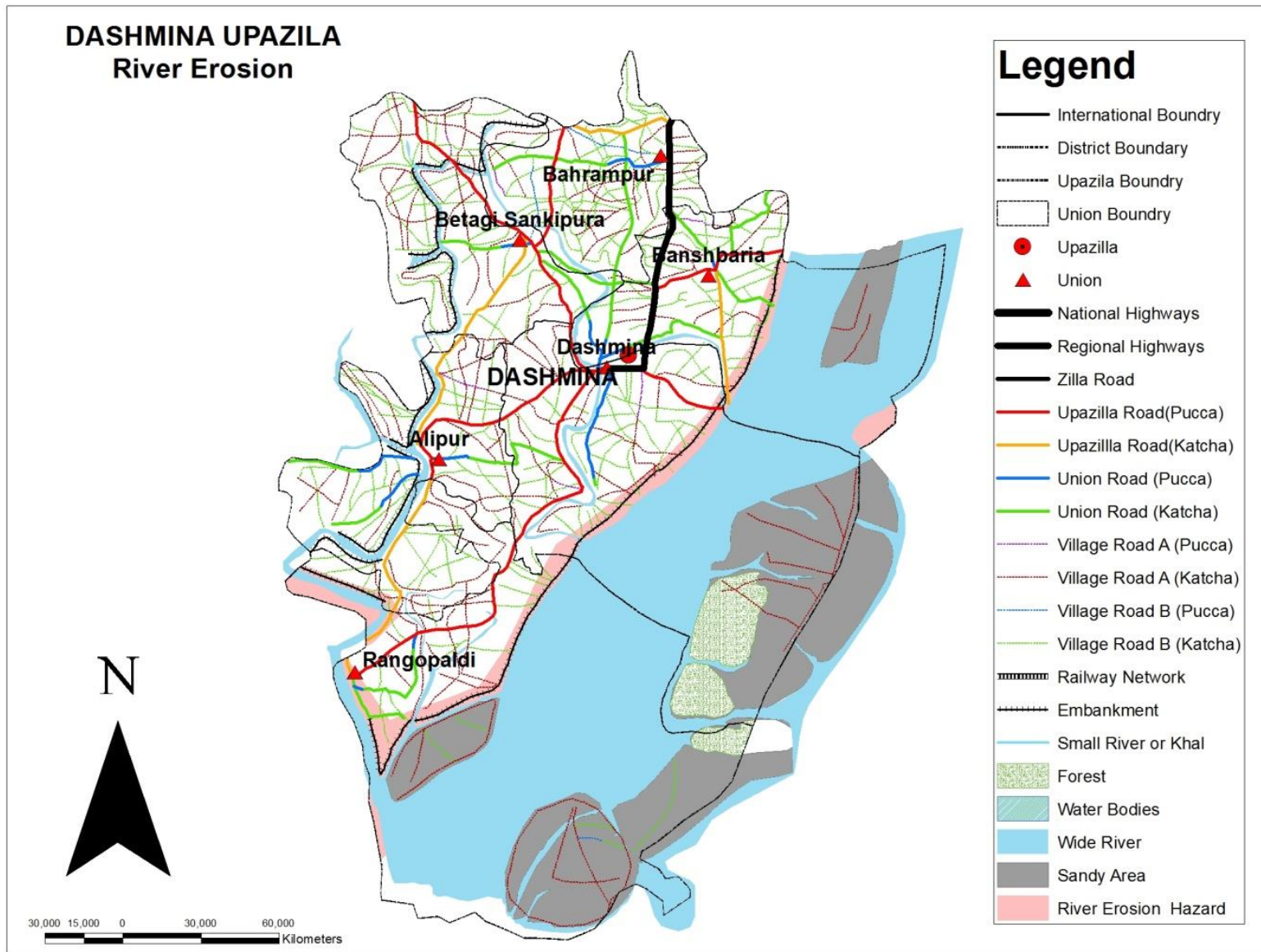
Annex -10



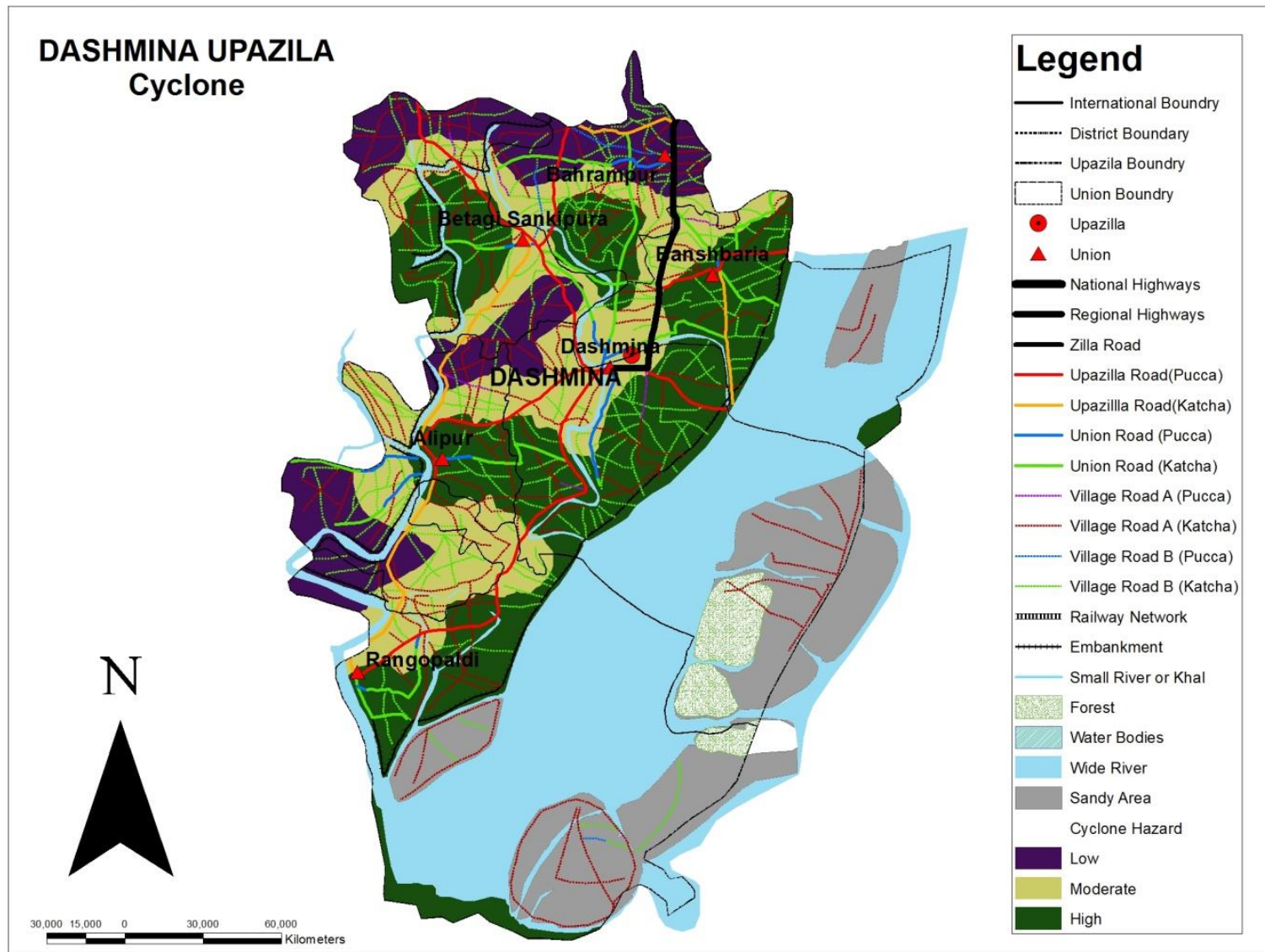
Annex -11



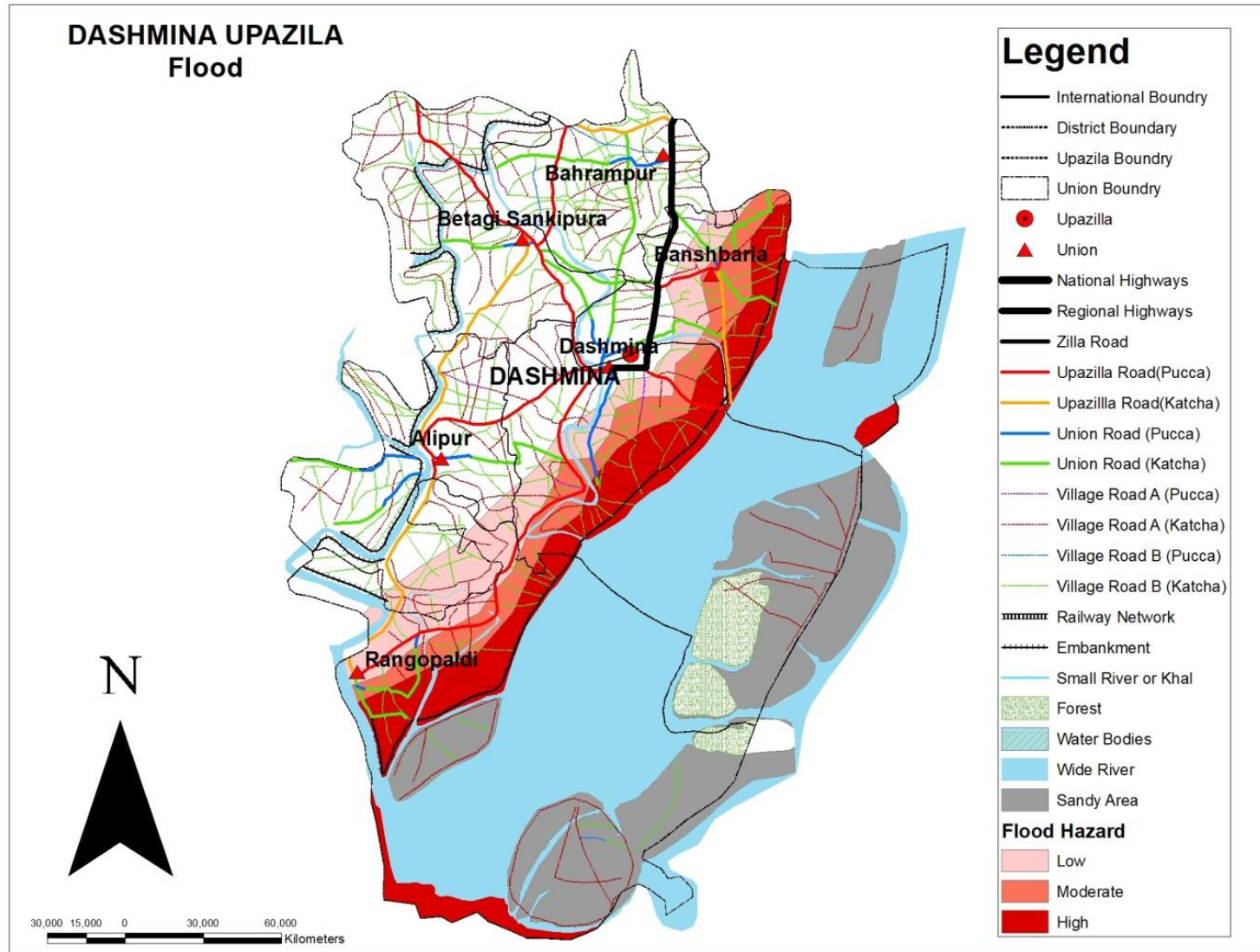
Annex -12



Annex -13



Annex -14





Empowered lives.
Resilient nations.