



---

# Upazila Disaster Management Plan

Upazila: **Baufal** , District: **Patuakhali**

**Plan Developed by**

**Upazila Disaster Management Committee, Baufal, Patuakhali**

**Coordinated by**



**July 2014**

**Supported by**

**Comprehensive Disaster Management Programme (CDMP-II)  
Ministry of Disaster Management & Relief**



Empowering lives.  
Rebuilding nations.

---

## মূখবন্ধ

বাংলাদেশ একটি দুর্যোগ প্রবণ দেশ। ভৌগোলিক অবস্থান, জলবায়ু ও আবহাওয়ার তারতম্যের কারণে স্থান ভেদে এদেশে প্রতি বছর বন্যা (নদীবাহিত/স্থিতিপাত জনিত), টর্নেডো (ঘূর্ণিঝড়), ঘরা/অনাবৃষ্টি, ভূমিকম্প, ঘন কুয়াশার মত বিভিন্ন ধরনের আপদ আঘাত হানে। বাংলাদেশ একটি নদীমাতৃক দেশ হওয়ায় প্রায় প্রতি বছর এলাকা ভিত্তিক নদী ভাঙ্গনের শিকার বহু লোক ভিটে মাটি ছাড়া হয়ে নিঃশ্ব হয়ে পড়ে এবং নদী খাল ভরাট জনিত কারণে এলাকা ভিত্তিক অধিবাসীদের সংশ্লিষ্ট নানা ধরনের আপদের সম্মুখীন হতে হয়। এ ছাড়াও মানব সৃষ্ট ও শিল্প কারখানা জনিত বিভিন্ন ধরনের আপদ প্রতিনয়িত মানুষকে আতঙ্কিত করে রাখে। এ সমস্ত আপদের প্রভাবে সহায় সম্পদসহ জান মাল, পশু সম্পদ ও ফসলের ব্যাপক ক্ষতি সাধিত হয়। এর ফলে শুধু আক্রান্ত জনগোষ্ঠী-ই ক্ষতিগ্রস্ত হয় তা নয়, জাতীয় সম্পদ এবং অর্থনীতিতেও ব্যাপকভাবে এর প্রভাব পরিলক্ষিত হয়। দুর্যোগ প্রবণ দেশে হলেও পূর্বে দুর্যোগ ব্যবস্থাপনা পরিকল্পনার মাধ্যমে মানুষের সহায় সম্পদসহ জান-মাল পশু সম্পদ ও ফসলের ক্ষয়ক্ষতি হ্রাস করার সুদূর প্রসারী কোন পরিকল্পনা গ্রহন করা হয়নি। সৃষ্ট পরিকল্পনা ব্যতিরেকে শুধুমাত্র ত্রাণ ও পুনর্বাসনকেই বেশী প্রাধান্য দেওয়া হয়েছে। সম্প্রতি বাংলাদেশ সরকার সমন্বিত দুর্যোগ ব্যবস্থাপনা কর্মসূচীর (CDMP-II) মাধ্যমে দুর্যোগ ব্যবস্থাপনা পরিকল্পনা বিষয়ক এক কর্মসূচী হাতে নিয়েছে। এই কর্মসূচীর আওতায় প্রাথমিকভাবে 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 আপদ সমূহ চিহ্নিত করে দুর্যোগ পূর্ব প্রস্তুতি গ্রহন ও ঝুঁকি নিরসনের জন্য বাউফল উপজেলায় কার্যকারী একটি দুর্যোগ ব্যবস্থা পরিকল্পনা প্রনয়ন করা হয়েছে যা স্থানীয় পর্যায়ে দুর্যোগ ঝুঁকি মোকাবেলায় সুদূর প্রসারী অবদান রাখতে পারবে বলে উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি মনে করেন।

কর্ম পরিকল্পনাটি প্রনয়নে এলাকার নারী পুরুষ, কৃষক-ভূমিহীন, প্রবীন ও তথ্য প্রদানে সক্ষম অন্যান্য স্থানীয় জনগোষ্ঠীর প্রতিনিধি, ইউনিয়ন এবং উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটির (UzDMC) সদস্যবৃন্দ সরাসরি সম্পৃক্ত ছিলেন। বিশেষ করে অত্র এলাকায় কর্মরত সুশীলন এর কর্মকর্তা ও গবেষকদের নিষ্ঠা ও অক্লান্ত পরিশ্রম স্থানীয় পর্যায়ে পরিকল্পনা প্রণয়নে যথাযথ অবদান রেখেছে। এ কর্ম প্রচেষ্টা ও অক্লান্ত পরিশ্রমের ফলে পটুয়াখালী জেলার বাউফল উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি একটি বাস্তব সম্মত দুর্যোগ ব্যবস্থাপনা পরিকল্পনা প্রণয়ন করতে সক্ষম হয়েছে। অত্র উপজেলায় প্রণীত দুর্যোগ ব্যবস্থাপনা পরিকল্পনায় দুর্যোগ মোকাবেলায় গুরুত্বপূর্ণ বিষয় সমূহ প্রাধান্য লাভ করেছে। তন্মধ্যে উল্লেখযোগ্য হচ্ছে পরিবার ও সমাজ পর্যায়ে দুর্যোগ ঝুঁকি সম্পর্কে গনসচেতনতা সৃষ্টি, স্থানীয় সম্পদ ব্যবহারের মাধ্যমে দুর্যোগ পূর্বক প্রস্তুতি গ্রহন এবং দুর্যোগ কালীন সময়ে অবসারণ, উদ্ধার, চাহিদা নিরূপণ, ত্রাণ ও তাৎক্ষণিক পুনর্বাসন ব্যবস্থার জন্য স্থানীয়ভাবে প্রণীত পরিকল্পনার অনুশীলন ও প্রয়োগ, দুর্যোগ পরিকল্পনায় অংশ গ্রহন এবং কার্যকর অংশীদারীত্ব যা বাস্তবায়িত হলে আপদ সংশ্লিষ্ট স্থানীয় ঝুঁকি সমূহ অনেকাংশে হ্রাস পাবে এবং জনগনের সহায় সম্পত্তি, জান-মাল এবং ফসলের ক্ষয়ক্ষতির পরিমাণ কমিয়ে আনা সম্ভব হবে। পাশাপাশি দুর্যোগ পূর্ব, দুর্যোগ কালীন, দুর্যোগ পরবর্তী প্রস্তুতি গ্রহন, দুর্যোগ ঝুঁকি হ্রাসে স্থানীয় অবকাঠামো ও অ-অবকাঠামো, সামাজিক সম্পদ ও নিরাপদ স্থান সমূহের তালিকা প্রনয়ন, ঝুঁকির কারণসমূহ চিহ্নিত করণ, সর্বাধিক বিপদাপন্ন এলাকা চিহ্নিত করণ, ঝুঁকি নিরসনের উপায় চিহ্নিত করণ, জলবায়ু পরিবর্তন এবং তার সম্ভাব্য প্রভাব নিরূপণ, উন্নয়ন পরিকল্পনার প্রধান খাত সমূহ চিহ্নিত করণ এবং বিভিন্ন সামাজিক সংগঠন সমূহের স্বেচ্ছাসেবক তালিকা প্রনয়ন করা হয়েছে।

২০১৪ সালে সিডিএমপির সহায়তার প্রণীত দুর্যোগ ব্যবস্থাপনা পরিকল্পনাটি প্রণয়নে যে সকল সরকারী এবং বেসরকারী সংস্থা ব্যক্তিবর্গ সক্রিয়ভাবে অংশগ্রহন ও পরামর্শ প্রদান করেছেন তাদেরকে আমি আন্তরিক ভাবে ধন্যবাদ জ্ঞাপন করছি। আমি আশাবাদী, স্থানীয় জনগন, স্থানীয় প্রশাসন ও বিভিন্ন সরকারী বেসরকারী প্রতিষ্ঠানের সমন্বয়ে বাউফল 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।

(আলহাজ্ব ইঞ্জিনিয়ার মোঃ মজিবুর রহমান)

সভাপতি

উপজেলা দুর্যোগ ব্যবস্থাপনা কমিটি ও

চেয়ারম্যান

উপজেলা পরিষদ

বাউফল, পটুয়াখালী।

---

# 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 **Baufal** 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 **Baufal** 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.

## Table of Content

---

Preface	i
Index	ii
List of Table	iv
List of Figure	v
List of Map	v

---

<b>Chapter one: Introduction to Local Area</b>	<b>1-23</b>
1.1 Background	1
1.2 Objectives of Planning	2
1.3 Introduction to Baufal Upazilla	2
1.3.1 Geographical Location of Zill/ Upazilla	3
1.3.2 Area of Baufal Upazilla	3
1.3.3 Demography	4
1.4 Structural and Non-structural Information	5
1.4.1 Infrastructure	6
1.4.2 Social Resource	15
1.4.3 Weather and Climate	19
1.4.4 Others	21

---

<b>Chapter Two: Disaster, Hazard and Vulnerability</b>	<b>24-37</b>
2.1 History of Disaster	24
2.2 Hazards of the Upazila	25
2.3 Description of Different Types of Hazards with Present and Future Illustration	25
2.4 Vulnerability and Capability	27
2.5 Most Vulnerable Area	28
2.6 Main Development Sectors	29
2.7 Social Map	31
2.8 Hazard and Risk Map	34
2.9 Seasonal Calendar of Hazard	34
2.10 Seasonal Calendar of Livelihood	34
2.11 Vulnerability on Life and Livelihood	34
2.12 Sector-wise Risk and Hazard	35
2.13 Climate Change and Its Possible Effect	35

---

<b>Chapter Three: Disaster Risk Reduction</b>	<b>38-55</b>
3.1. Identification of Risk Reason	38
3.2. Ways of Risk Reduction	41
3.3. NGO Development Planning	43
3.4. Disaster Management Action Plan	44

3.4.1. Pre Disaster Preparation	44
3.4.2. During Disaster Preparation	46
3.4.3. Post Disaster Preparation	52
3.4.4. Preparation for Normal Period	54
<b>Chapter Four: Emergency Response</b>	<b>56-71</b>
4.1. Emergency Operation Centre (EOC)	56
4.1.1. Emergency Control Room Management	56
4.2. Planning for Hazard Period	57
4.2.1. Preparing the Volunteers	59
4.2.2. Warning Announcement	59
4.2.3. Measures for Translocating People	59
4.2.4. Rescue and First Aid Service	59
4.2.5. Shelter Management	59
4.2.6. Preparing Boats	59
4.2.7. Measuring the Damage and Need of Disaster and sending Report	59
4.2.8. Management of Relief Activity	60
4.2.9. Collecting and Preserving Dry Food and Life- saving Medicines	60
4.2.10. Ailment/ Vaccin for Livestock	60
4.2.11. Arrenging Rehearsals	60
4.2.12. Emergency Control Room Management	61
4.2.13. Shelter Centres/ Safe Places	61
4.3. List and Description of Safe Places of Zilla/ Upazilla	61
4.4. Formation of Shelter Management Committee	65
4.5 List of Resources of Zilla/ Upazilla(usable during disaster)	69
4.6. Finance	69
4.7. Updating and Analizing Work Plan	70
<b>Chapter Five: Rescue and Rehabilitation Plan</b>	<b>72-117</b>
5.1 Damage Assessment	72
5.2 Rapid/ advance recovery	73
5.2 .1 Administrative re-establishment	73
5.2.2 Wreckage Cleaning	73
5.2.3 Resumption of public services	73
5.2.4 Emergency Livelihood Assistance	74
Annex 1 Check List of Emergency Plan Implementation	75
Annex2 Upazila Disaster Management Committee	77
Annex3 List of Upazila Volunteers	79
Annex 4 List of Shelter Management Committee	82
Annex 5 Baufal Upazila at a glance	86
Annex 6 List of some important Broadcast Programs by Bangladesh Betar	87
Annex 7 Feedback of the Upazila Workshop Institutions	89

Annex 8 List of Educational	90
Annex 9 Hazard Map ( Cyclone )	104
Annex 10 Hazard Map ( Drizzle )	105
Annex 11 Hazard Map (Flood)	106
Annex 12 Hazard Map (Heavy Rain)	107
Annex 13 Hazard Map (River Erosion)	108
Annex 14 Hazard Map (Tidal Wave)	109
Annex 15 Hazard Map (Tarnado)	110
Annex 16 Risk Map ( Cyclone )	111
Annex 17 Risk Map ( Drizzle )	112
Annex 18 Risk Map (Flood)	113
Annex 19 Risk Map (Heavy Rain)	114
Annex 20 Risk Map (River Erosion)	115
Annex 21 Risk Map (Tidal Wave)	116
Annex 22 Risk Map (Tarnado)	117

<b>List of Table</b>	<b>Page</b>
Table1.1: Upazilla Union&UnionwiseName of Mouza	3
Table 1.2: Union basis male, female child, old, Disabled, Households and voters	4
Table1.3: Upazilla Union&Unionwise road	14
Table1.4: Upazilla Union&Unionwise mosques	17
Table1.5: Annual Rainfall	20
Table1.6: Annual Average Temprature	20
Table2.1: Name of Disaster, Year, Amount of Loss	24
Table2.2 :Hazard & Hazard's Identification & priority	25
Table 2.3: Afflictions and Capability	27
Table 2.4: Affliction place, Causes, distressed people.	28
Table2.5: Coordination between development sector and disaster risk reduction	29
Table2.6: Month basis disaster calendar	34
Table2.7: Seasonal calendar of livelihood	34
Table2.8 Vulnerability on Life and Livelihood	35
Table2.9: Sector-wise Risks and Hazards	35
Table2.10: Climate Change and Its Possible Effect	36
Table 3.1: Cause of Risk	38
Table 3.2 Identification of Ways of Risk Reduction	41
Table 3.3: NGOs' Development Plan	43
Table3.4: Pre-disaster Management Action Plan	44
Table3.5 During Disaster Preparation Management Action Plan	46
Table3.6: Post Disaster Preparation Management Action Plan	52
Table3.7: Regular Period Preparation Management Action Plan	54

Table4.1:Responsible person ofEmergency Operation Center	56
Table 4.2:Planning for Hazard Period	57
Table 4.3:List and Description ofSafe Places of Upazilla	61
Table 4.4 List and Description of Safe Places ofUpazilla	66
Table 4.5 List of Resources at the Upazilla (usable during disaster)	69
Table4.6: Plan Follow-up Committee contain five member	70
Table 4.7: Member Plan Implementation and Management Committee	71
Table 5.1:Sector wise Damage Assessment in upzilla	72
Table 5.2 Administrative Restoration committee in upzilla level	73
Table 5.3: Wreckage Cleaning committee in upzilla level	73
Table 5.4 Public Service Resume committee in upzilla level	73
Table5.5 Emergency Livelihood Support committee in upzilla level	74

List of Figure	Page
Figure 1.1: Road of Upazilla	7
Figure1.2: Road of Upazilla	7
Figure1.3: Kaliya Bazar	15
Figure1.4: House	16
Figure1.5: Social Forestry	18
Figure1.6: Pond	22

<b>List of Map</b>	<b>Page</b>
Map1.1: Map of Baufal Upazilla	23
Map2.1: Social Map of Baufal Upazilla	32
Map2.2: Hazard & Risk Map of Baufal	33
Annex 9 Hazard Map ( Cyclone )	104
Annex 10 Hazard Map ( Drizzle )	105
Annex 11 Hazard Map (Flood)	106
Annex 12 Hazard Map (Heavy Rain)	107
Annex 13 Hazard Map (River Erosion)	108
Annex 14 Hazard Map (Tidal Wave)	109
Annex 15 Hazard Map (Tornado)	110
Annex 16 Risk Map ( Cyclone )	111
Annex 17 Risk Map ( Drizzle )	112
Annex 18 Risk Map (Flood)	113
Annex 19 Risk Map (Heavy Rain)	114
Annex 20 Risk Map (River Erosion)	115
Annex 21 Risk Map (Tidal Wave)	116
Annex 22 Risk Map (Tornado)	117



# Chapter One

## Introduction to Local Area

### 1.1 Background

---

And Contingency Plan is included in the permanent disaster order riskable district, upazila, municipality and City Corporation has recommended the enactment of the Disaster Management plan. Disaster Management plan the CDMP taken very seriously. Sustainable and activities planning, intensive and feedback method, concerned organizations, institutions and public participation above. Disaster Management Plan will be prepared for 3-5 years.

Bangladesh is a disaster prone country in the world map. District less than each country is affected by disasters. Baufal upazila of Patuakhali district is one of the. Disaster management plan as part of the overall management of this disaster has been responsible for upajelara baufal Patuakhali district. Until 2013 districts in 2002 since tarnado, tsunami, cyclone, Aila, Sidr, irregular rainfall, river erosion, north-westerly storms, floods, drought struck in time. Paryobeksana found that cyclone disaster in history, saiklona, floods, river erosiontarnado major disaster in this area. Himalayan near small delta, Bangladesh. The natural beauty of the river in a beautiful Leela land in maternal. One of the great love of nature and harmony here in town that has been building bridges. Natural flow of the dual sbatantre, owing its sbarupe. It is impossible to develop the delicate beauty, never again she demonstrates tremendous racing as sanhari murtite death, deadliest. Cyclone, saiklona, floods, the country's conventional natural events river erosion. For time immemorial, people of Bangladesh continued to struggle, fight to survive in nature.

Patuakhali District constituting the area was included in the ancient kingdom candradipa. Lord Cornwallis, the Government of India Act of 1790 J AD 10 police districts are divided. One of baufal police. Moreover, on 7 March 1867 was published in the Calcutta Gazette, announcing the creation of Patuakhali district. 4 Under the sub-station was incorporated into the baufal. Many of the trees in the area before the trees in one of the trees were very well known to the public as to the Bow tree and the tree is the name of the region baufal. Here is the police station in August 1874, when the name was widely circulated. Baker Aga Khan during the rule of the region, according to the history of South Bengal is known as baufal. AD was established in August 1874 as thana and upazila, was established on July 02, 1983. People under nature festival favorite. The town's religious and social festivals attended by people irrespective of religion, is remarkable. Here, as well as the main religious festivals jagadatripuja, blue Puja, Shiva worship, glorify the name, Kartik sankrantite harvest festivals are celebrated. Pohela Boishakh in the social festivities, Boishakhi Mela, dayamayira matching head. 3rd chapter of this document under the 1st socio-economic, natural and infrastructural kausalapatrera relevance brief description, outlines the underlying causes and potential effects of climate change galachipa districts, different adaptation strategies and disaster management capacity increase and hardens Description 3-5 year plan to achieve short have been outlined. 4 th and 5 th chapters of ordinary people, especially in the social-political activists and development workers to increase participation in disaster management capacity

to achieve and hardens organizations 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**

---

The type of natural disaster can be change because of Climate change. In order to deal with the disasters related to climate change, any most effective field level initiative need to be presented nationally at the policy making levels. At present, the Ministry of Disaster Management and Relief under Comprehensive Disaster Management Programme (CDMP) has decided to implement a multipurpose preparatory plan as a part of removing local people's disaster risk. Under this program, Bangladesh government has changed relief and rehabilitation based disaster risk management strategy and taken long-term risk fighting program. The main objectives of this program are-

- 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 Baufal Upazilla**

---

Sediment, soil rich in de-scales and Etela Baufal BMW. Summer, monsoon and winter seasonal variations of the area. Relaxing summer to winter in temperate regions Baufal bharapura Baufal J Rural district on the north, west, J, Patuakhali Sadar and dumaki east, south, and east Tetulia River galachipa BMW. Daughter of the Sea Baufal upazila of the district known as traditional a delighted settlement. Located just 30 km away from the district headquarters. The lake district is famous kalaiya Orange Queen. Since ancient times the rich natural diversity Baufal mainland. Sunibira aranyani, plants, animals and rivers, the region is

full of water, giving rise to the occurrence of angake rich decoration. Before bauphalera huge tetumliya River, on the west and north-west of river lohaliya kharasrota have factory rivers. Many of the rivers and streams of gold inside the small-large. 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. Sandy soil and doyasa. Yaya wood parquet floor in the notice, in the area of the bricks, sand, cement, made by big to fetch the number of buildings is very low.

### 1.3.1. Geographic Location

Baufal Upazilla 22degree 80 from 38 degree 90 north latitude and west longitude. Baufal J Rural district in the north, west, J, Patuakhali Sadar and dumaki east, south, and east Tetulia River galachipa upazilla. Daughter of the Sea Baufal upazila of the district known as traditional a delighted settlement. Just 40 km away from the district headquarters of the soil is sandy and doyasa abasthitae. The lake district is famous kalaiya Orange Queen.

### 1.3.2. Area

Consists of 487 sq km area under Baufal. Union Council No. 14. 126 of the total number of wards, 147 villages, 135 wards. Baufal incorporated municipality currently has elevated Baufal district. Geo code based on the number of acres, including the union's Name below

Table1.1: Geo code based on the number of unions, including the name of the locality.

UpozilaName and Geo Code	Union Name and Geo Code	Union-based name of mouja
Baufal ( 34)	Adabariya (10)	Adabariya, atasakhali, South laksipasa, North laksi dice kashipur Madhabpur, sabupura, sapaleja, mahesbaradi. (The total mouja = 09)
	Baufal(29)	Bauphala, Alipore, Bill bilasa, South hosnabada, gosinga, tayana, jauta. (The total mouja = 07)
	Daspara(35)	Daspara,Chor-Agli,Bahirdaspara,Khajurbariya . (The total mouja = 04)
	Kaliya(53)	Kaliya,Shoula,Korpurkathi,Deyarakochuya,Chor-mijan,Bajasondi,Chor-bolesti . (The total mouja = 07)
	Noumala (83)	Noumala,Botkajol,Vangra,Maosondi,Nijbotkajol . (The total mouja = 05)
	Modonpur(77)	Modonpur,Candrapara,Doypasha,Majpara, Ramelokkon houla. (The total mouja = 05)
	Boga(11)	Boga,bamanikathi, banajora, cabuya, candapala, dhaurabhanga, kaukhali Madhabpur, West kaina, Rajnagar, sabupura, sannyasi crying, Lily empty. (The total mouja = 13)
	Konokdia (65)	Kanakadiya, Amirabad, Aila, baulatali, Bipasha, Hogla, jhilana, Kolta, kathikula, kumbhakhali, narayanapasa. (The total number of mouzas = 11)
	Sujomoni (95)	Sujjomoni,Gazimaji,Goyaliya, Bagha, Indrakul,

UpozilaName and Geo Code	Union Name and Geo Code	Union-based name of mouja
		Kalikapur, Mithapukuriya, Narayonpur, Pangasiya, Ramnogor, Saneshor (The total number of mouzas = (10)
	Keshobpur(71)	Keshobpur, Bajemohol, Vorpasa, Chor-hedayet, Chormobinpur, Fajilpur, Mollikduba, Mominpur, Jafrabad The total number of mouzas = 09)
	Dhuliya(41)	Dhuliya, Adaboral, Aloki Chondrokathi, Boshudebpasha, Chandkathi, Boshudebpasha, Chandkathi, Chor-boshudebpasha, Chor-chandkhathi, Ghurchakhati, Mothbariya, Tentuliya, Uttor hosnabad The total number of mouzas = 11)
	Kalisuri(59)	Kalisuri, Boro arainatha, Chitka, South kabirakathi, dhulapara, patilapara, onahura, Rajapur, rambhairaba, Shibpur, sinrakathi, North Kabir khati. (Total mouzas = 12)
	Kachipara (47)	Kachipara, amarakhali, anarasiya, Char Raghunathpur, chatrakanda, deobasadiya, Karkhana, mandarabana, pakadala. (The total number of mouzas = 09)
	Najirpur(89)	Alogi, bakala taterakathi, big talima, bareta Pirate, Pirate Yashwant kachua Char, Char miyajana, nimadi Char, Char pacakhajuriya, Roy spies, spies oyadeba, taterakathi, small talima, dhandikacuya, kismata pacakhajuriya, nazirpur taterakathi, Self taterakathi, nimadi, Ramnagar taterakathi, taterakathi sulatanabada. (The total number of mouzas = 20)

Source: Field Visit, 2014

### 1.3.3. Demography

The total 3,10,508 population of the district of Patuakhali sub-district Baufal number of men 147232 in the number of women 163276, 216996 Muslims in public, 11628 Hindus, Buddhists 1, annanya 6. Here the population density of 626 persons / sq km, the family lived a total of 67,833.

Table 1.2: Union-wise number of Male, Female, Children, Old, Disabled, Households and Voters

Name of Union	Male	Female	Child(0-15%)	Old(60+)	Disabled(%)	Total Population	Families/Households	Voter
Adabariya	8340	9319	39.4	8.6	1.2	17659	3.787	12156

Bauphala	9978	11116	37.4	9.3	1.2	21094	4.716	15542
Das laid	9296	9756	37.3	9.3	1.2	19052	4035	13451
Kalaiya	12247	12876	36.0	9.1	2.1	25123	5528	17721
Naomala	8690	9870	40.1	8.9	2.0	18560	4.103	13468
Madanapura	7798	9026	36.4	10.6	1.3	16824	3.768	12267
Boga	10637	11922	36.2	9.5	1.1	22559	4.859	16815
Kanakadiya	8824	10695	36.7	10.6	2.1	19519	4.471	14847
Surjyamani	9213	11130	37.8	9.8	1.7	20343	4.554	14881
Keshabpur	13290	14428	37.6	9.3	1.7	27718	5.916	18564
Dhulia	8326	8515	35.7	9.4	.90	16841	3,991	11583
Kalisuri	10.643	11606	34.7	9.8	1.6	22249	5274	15410
Kachipara	7675	8761	35.5	10.8	1.7	16436	3.950	11855
Nazirpur	13935	14937	38.9	8.2	1.4	28872	6.343	17347
Municipalities	8340	9319	39.2	15.9	1.4	17659	2467	75010
Total	147232	<b>163276</b>	<b>68.1</b>	<b>17.4</b>	<b>2.9</b>	<b>310508</b>	67862	280917

Source: Field Visit, 2014

## 1.4 Structural and Non-structural Information

Bauphal originally an agricultural sub-district. Agriculture and fishing are the main source of livelihood for the majority of people. Bauphal district 90 percent of people are dependent on agriculture and fish. Very small number of people, public / private organizations working. Because that does not improve the communication industry has not developed much. All

wards upazila, union rural electricity coverage. Several 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, brick-kilns and cottage industries of various types. Infrastructure and non-infrastructure barriers to information, sluice gate, roads, bridges and culverts etc. The sub-district small parisare cottage industries, ceramics, jute industry, tobacco industry, plant, business, fishing business, you are in the business of rice and pulses.

### **1.4.1. Infrastructure**

#### **Embankment**

There are many dams Bauphal sub-districts. The Union has become a nasty kalaiya purbasaula 10 km dam Sandeep. Up to 13 km from kathi damanikathi damani dam sanniyasi was crying. 09 km far from the Dam B bridge crying sanniyasi at the district, including 127 km around the dam, which serves as a stronghold for gold in the face of sudden floods. Moreover narayanapasa Canal, Canal kumbhakhali, Amirabad baulatali Canal, Canal East narayana dice, the regulator is under construction on a canal pakasira Khar. The regulator has two kalata canal.

#### **Sluice Gate**

There are many sluicageta According LGED upazila. As one way of drainage tetuliya getai the river adjacent to the canal all sluica. Narayanapasa Canal, Canal kumbhakhali, Amirabad baulatali Canal, Canal East narayana dice, the regulator is under construction on a canal pakasira Khar. The regulator has two kalata canal. Which play an important role in dealing with the floods. Moreover, the excess water is out of the gate.

#### **Bridge & Culvert**

Bauphal districts have a total of the 6 bridges and 648 culverts. Dhulia on the market near the river baripasa nurinapura a 10 m girder bridge, 120 m long RCC Bridge over river kalisuri, 15 m Long RCC Girder Bridge at kanakadiya market, ranging baliyatali contiguous 45 m long RCC Girder Bridge Union has baliyatali market, madanapura boss house Mr. long RCC girder Bridge at 0, 36 m long RCC suryamani-kanakadiya market girder bridges on the canals, in the UP B 36 m long RCC jhilana girder bridges over the canals jhilana market, a 15 m long RCC Bridge, B GC-kanakadiya Hats suryamani GC kalisuri 0 m long RCC girder highway bridges, two are under construction. Upazila in Patuakhali district Bauphal total of 14 unions in 648 culverts. 53 also includes the construction of box culverts and 19 pipe culverts. Between the B-kalisuri GC GC-khanakadiya Hats suryamani roadway culverts will be 16 boxes of various sizes. Bauphal Head Quarter of the kalisuri texture Center until the total road kalabhata 18, B (RHD) Escape from Pirate composition center, roads, culverts number of 4, maminapura texture Center kalaiya texture Center until the total street kalabhata number 19, B composition Centre (sapalakhali Roads) from kanakandara become hats surajamani composition centers becomes kalisuri composition centers until the total street culvert No. 30, kalisuri uP (kumarakhali bridge) from kanakandiya market becomes

nurainapura market roads and culverts are 19, B uP the sabupura Hats naomala roads, culverts 11.

### Road

The number of total Road of Upozila in 258,each lenth is 304379.31 ki:mi: Other causes during the road's disaster cow, goat, buffalo, sheep are used as premises for cleaning and other animal shelter. According to the information given below is the road upajelera LGD baufal.Head Quarter in the center of the composition 14.5 bauphala kalisuri kimih road. Which contains 14.5 kimih e pucca. Here kalabhata number 18. B (RHD) in the center of the road to get out of the composition 14.7 kimih spies. Which contains 14.7 kimih e pucca. Here are 4 of the number of culverts. From center to center of the road texture texture maminapura kalaiya kimih 14.75. Which contains 14.5 kimih kamcarasta E facilities and .05. Here kalabhata number 19. B composition Centre (sapalakhali road) to the center of the composition kalisuri surajamani kanakandara the composition of which is the center of the road kimih 17.99. Which has pucca 17.99 kimih e. Here are 30 of culverts. Spies out from center to center in composition maminapura kalisuri texture texture Center kimih total road 14. Facilities on the roads in the 14 kimih. Here are 30 of culverts. Hats from the Centre appeared to kalaiyabagratha Patuakhali naomala Head Quarter UP Road (bauphalera part) until the total road kimih 19:44. Pucca roads in the e kimih 19:44. Here are 18 of culverts. The composition of the center sonamiyarahata baragopaladi tagarirahata B becomes the Upazila Head Quarter dasamina (bauphalera part) until the total road kimih 1028. Pucca roads in the 1028 kimih e. Here are 09 of culverts. Market dasamina subdivisions (bauphalera part) until the total road kimih 1026. Pucca roads in the 1026 kimih e. Here are 06 of culverts.



Figure 1.1: The road of mud in Baufal upozila.

### Baufal Union Road

Kalisuri UP (kumarakhali Bridge) until the total length of 125 Market kimihrastra nurainapura kanakandiya to market, raw 7.3 kimih, facilities kimih 52 19 This is the culvert. The total length of up to 11.78 UP B naomala kimihrastra sabupura hats, raw 728 kimih, facilities 11 4.5 kimih this street culverts. From UP to Market madanapura kanakandira kimihrastra 14.85, 14.85 km: facilities, this is the 9 culverts. Spies out the composition of



Figure 1.2: The road of Prevemnt in Baufal upozila

the Centre Madrasah UP kalisuri ponahura kimihrastra until 7.89, kimih raw 214, 275 facilities kimih 3 kimih brick road culverts on these roads is 07. Kachipaa from the market until 10.28 kimihrastra gapaliya kalisuri UP, 1028 kimih facilities culverts on these roads 11. High School from UP mathabariya Dhulia become rabbi of the market up 5.5 kimih kalamira markets, raw 26 kimih, facilities kimih 524 culverts on these roads is 10. Market Union has been until UP Dhulia from kalisuri UP 6.22, Km. 622 facilities are Km. 1 of this street culverts. From the market to the UP 5.25 kimihrastra Dhulia Dhulia becomes jamalakathi, raw 5.19 kimih, facilities kimih .6 14 This includes street culverts. Nazirpur keshabpur the market until 2127 bauphala Dhulia upajela kimih roads, raw 7.03 kimih, facilities kimih 11.75 brick road culverts on these roads has kimih 9 .5. High School from UP bajemahala the Manipur kesapapuri badamatalira composition of centers until 5.3 kimihrastra hats, raw 325 kimih, 1.7 kimih facilities, this street has 09 culverts. Kanakandi Market (under the road) until to 7.8 kanakandi jilanabajara kimih roads, raw 5.3 kimih, p.5 kimih facilities include 05 culverts on these roads. Kanakandi UP (amaribadha market) in the mid-madanapura market becomes urgent market until 15.8 kimih rora tetulatali river road, raw 132 kimih, facilities kimih 1.05 1.5 kimih brick road culverts on these roads is 14. Head Quarter of the district of UP UP dasapara nazirpur maisadi Market kimihrastra until 1226, raw 412 kimih, facilities 6.95 1.56 kimih kimih brick road culverts on these roads is 15. Kalaiya (Union has) until to 10.4 bagihata kimihrastra, kimih 104 facilities in 14 countries on this street culverts. Kalaiya UP (Munshi lyanda poll) Hasnabad to become the market is the market dasamina sibapura the main road until total length 14.65 kimih lebukhali Patuakhali. 9.6 kimih in its raw, has facilities 1 5.05 kimih of this street culverts. Bauphala Head Quarter UP Office Road until to a total length of 10 kimihtara naomala raw II kimih, has 11 facilities in 8 kimih this street culverts. To market to market birapasa Chairman of UP sitaka kanakandi maisadi Market 11:51 AM until the total length of the raw 10:46 kimih kimihtara, facilities kimih 1.05 11 culverts on these roads. Madanapura UP (paper pool) until to a total length of 9.5 kimihtara Babu become hats maisadi Market kimih raw 6.7, p.5 kimih facilities include 06 culverts on these roads. The total length until the baderahata nurainapura market surajamani UP 8.18 3.98 kimih kimihtara raw, facilities kimih 42 06 This is the culvert. B (baheragara pond shore) until to a total length of 6.5 kimihtara asurira Hats kimih raw 6.5, this street has 05 culverts. Bauphala UP (Sher-Bengali Road) Road until to 825 naomala bidisi kimih roads, streets, culverts kimih has 825 facilities in 09. Pyanara market until the market is UP 5.5 hosnabada kalisuri kimih roads, streets, culverts kimih has 15 facilities in 08. Of the rights to nurainapura kalisuri talatali kesabapurahata from UP until Market Road 1 kimih roads, raw 42 kimih, kimih 222 facilities, including 06 brick road culverts 5.58 kimih this street. From Market to madhyerahata surajamani akabari nurainapura become Dakhil Madrasa until UP 3.9 kimihrastra, raw 29 kimih, facilities 1 kimih, this street has 4 culverts. From market until market battala surajamani UP 4.7 kimih kanakandi the road, raw 4.7 kimih, this street has 3 culverts. Madanapura UP (bilabilasa market) Pvt bidyah to become RA dagarabari ramanabadha uhammadapura become Dakhil Madrasa board in the market until Market Road 725 kimihrastra candrapara, raw 6.65 kimih, brick roads and culverts on these roads has kimih .6 7. UP UP Dhulia Road until from the 8.9 keshabpur rabirabajara kimih roads, raw 7.9 kimih, has 14 facilities 1 kimih this street culvertsKalisuri from UP (kumarakhali Bridge) until to 5.5 kimihrastra hisabullabajara become sitakabajara, kimih raw .6, .9 facilities kimih 4 kimih brick road culverts on these roads is 14. BMW Head koyatera (regime) until the UP 4.5 kimih baradalima kalaiya the road, raw 1.5 kimih, 3 kimih facilities, this street has 14 culverts. The Hatim mrdharahata hajirahata adabariya from UP until the BMW 9.5 kimihrastra dasamina, raw .8 kimih, facilities 8.7 kimih brick road, this street has 09 culverts. B is



bounded birapasa jailed Market 9.4 Market Road kimih road until, in its raw 9.4 kimih, this street has 05 culverts. UP bauphala bilabilasa market from the mid madanapurabajara maminapura kesabapura to market until 2045 kimihrastra composition center, in its raw 14.99 kimih, facilities 255 271 kimih kimih brick road culverts on these roads is 15. Need 1 more kalbhata here. 5.8 from UP until Dhulia kimih hosnabadha Market Streets, kimih raw 259, 321 facilities in 04 kimih of this street culverts. Bauphala (bilabilasa Market) from the Chairman alipura Market kalaiya Nuru Mia is home until the UP 125 kimih roads, raw 92 kimih, facilities 3.3 kimih brick culverts on these roads is 14. From the factory, the market is UP kachipara parirahata jayabangila market becomes dariyabadha (UZR) until 11.5 kimih road, Raw 7 kimih, facilities 4.5 kimih culverts on these roads is 10. The Union has become hats taterakathira baklala nazirpur nurainapura nimadi from UP until Market Road 124 kimih, raw 11.45 kimih, facilities .6 .35 kimih kimih brick road culverts on these roads is 07. Chandrapara Market Road until to the UP nurainapura dhandi sahprahbidyah 3.9 kimih roads, raw 3.5 kimih, .4 kimih brick road culverts on these roads is 03. UP nazirpur kalaiya composition of the dhanandi registration RA Centre Pvt bidyah kimih road until 7.95, 7.95 in the raw kimih, this street has 01 culverts. Bahiracara Market Road until it becomes sahprahbidyah hisajjatata kachipara UP 4.8 kimihrastra kimih Raw 3.8, has 02 facilities in road culverts 1 kimih this street. Patuakhali bamnikathi from UP to Market B H / Q (bauphalera part) until a total of 6.5 kimihrastra, raw 5 kimih, pucca roads, culverts This includes 1.5 kimih 03. Adabariya asuriyarahata from UP (UZR) until 3.5 kimihrastra, in its raw 3.5 kimih, this street has 04 culverts. Dasapara UP become the Pirate alogi sahprahbidyah kimihrastra mahisadi market, total 7.63, 5.15 kimih raw, .5 pucca culvert kimih this street is 04. Fisher baulatali Market 7.5 Market until to UP kanakadiya kimih roads, raw 7.08 kimih, has 02 facilities in road culverts 42 kimih this street. Mr. Market has become the Pirate Ray oyadalibajara UP nazirpur total 9.5 kimih road, raw 92 kimih, paving streets kimih .3 There is no culvert. From UP to Market madanapura kanakandi dipasiya bidyah PVT board of RA in high school nazirpur nazirpur jarakhalibrija the UP (tetuliya nadighata) kimih road until 16.5, 16.5 in the raw kimih, this street has 04 culverts. Keshabpur UP (bahirahata) maminapura texture from the center until 7 kimihrastra kalamira market, in its raw 7 kimih, this street has 03 culverts.

### A Village road

Pirate hat factory to bring the road up to the bank 6.5 m, 5.5 kimihkamca, 1 kimih brick roads. Here are 06 of culverts. From house until house Talukder kachipara dariyabanda HOWLADER 5.4 kimih mud roads in the road kimih 5.4. Here are 07 of culverts. The road from sananakhola Dhalapara sahprahbidyah kimih 6.53, 6.53 kimih mud roads. Here are 05 of culverts. A total of 52 road bridges from khanabari kimih mathabariya kalisuri. 52 of which are on the road kimih glass. Here are 04 of culverts. Sikder Market SM Salim total road kimih 3.37. Water over the road in the kimih 3.37. Here are 06 of culverts. A tour of the house until the total road Jaffrabad kalamiyahata kimih 6.54. Water over the road in the kimih 6.54. Here are 07 of culverts. Golam Hossain Sikder Jaffrabad total of 3.5 kimih road. Which contains 3.5 kimih Glass road. Here are 04 of culverts. Rose to become the Union has a total road gajimajhi sitakabajara kimih 04. Of which 04 are on the road kimih glass. Here are 04 of culverts. Facilities rose from the road up to the mosque kimih janatasanga 3.85. Glass and 1 in 3.85 kimih kimih brick roads. Here are 03 of culverts. Union has a total road until to the house haoladera Hashem jailana kimih 4.63. Water over the road in the kimih 6.63. Here are 05 of culverts. Total road from house until house Latif birapasa jayagora

akanera kimih 1.94. Water over the road in the kimih 1.94. Here are 05 of culverts. Char Char rayasaheba oyadela until total road from house of anyateulla, 6.38km.: Water over the road in the kimih 6.38. Here are 02 numbers of culverts. until total route of the canal from kalaiya karapurakathi kimih ayanabasa 7.. Glass and 1 km in the 6.1 kimih are pucca. Here are 02 numbers of culverts. Total road car market until 4.5 kalaiya kimih jahangira rora. Glass and two of which .5 kimih kimihpamka roads. Here are 02 numbers of culverts. 6.8 Total road until the road kimih E.khajurbariya kalaiya DC. Which contains 6.8 kimih Glass road. Here are 01 of culverts. A total of 279 road from the house kimih miradabari Khan. Water over the road in the 279 kimih. Here there are no culverts. Total road from school until College Road kimih khajurbariya 5.39. Water over the road in the kimih 5.39. Here are 03 of culverts. until total road dasapara 1.19 kimih kalaiya DC Road, which is the road between 1.19 kimih glass. Not konakalabharta here. Need 1 more. Abdul Haq is home to madrasahs Rashida rejhsahprah gosinga bidrah the total road bamsabariya sahprahbidyah kimih 3.5. Water over the road in the kimih .5. Here are 02 numbers of culverts. until total road from disiroda holabaniyahata kimih 3.9, which includes the 3.9 kimih Glass road. Here are 02 numbers of culverts. until total road from sonamaruhata disiroda kimih nomala 6.7. Glass in the road and .5 62 kimih kimihpaka roads. Here are 02 numbers of culverts. Road until the total road kalisuri GPShatemaali patilapara bahiracara kimih 3.51 Earthen over the road in yara kimih 3.51. Here are 04 of culverts. Union has a total of 246 road texture Center bahiracara kimih Hajipur. Earthen over the road in the 246 kimih. Here are 03 of culverts. until total road from kumarkhali hijabullabajara kimih 3.94. Earthen in the 209 kimih road, 8 km and 1.05 km of pucca brick roads. Here are 03 of culverts. 5.6 until total road bharanatala mihindipurahata kimih mart. Which contains 5.6 kimih Earthen road. Here the number of culverts 4. Road to until total road mihindipura kalisuri mathabariya ghuracakhati khanaka kimih 1.94. Earthen over the road in the kimih 1.94. Here are 03 of culverts. A total of 253 road from kalisuri kimih cikanikandi High School. **যারমধ্যে ৫৩** Kimih Earthen roads. Here are 02 numbers of culverts. However, from until total road bridges goyailabari kalisuri ranibari kimih 4.08. Earthen over the road in the kimih 4.08. Number 1 in the culverts. Need 03 more. From high school to college keshabpur bajemahala NS 3.93 kimih high total road. Earthen over the road in the kimih 3.93. Here are 04 of culverts. From house until house isanauddina Aachen sanasera Abdul Aziz rari kimih total road 04. Of which 04 are on the road kimih Earthen. Here are 05 of culverts. Jailana Prosecution of the Union has a total road jailana sahprah bidyah kimih 1.75. Earthen over the road in the kimih 1.75. Here are 03 of culverts. Jailana GCCR the Union has a total road from bahiracara ailagajibari kimih 246. Earthen over the road in the 246 kimih. Here are 02 numbers of culverts. HRD from paterapola sibupurahata kimih total road .7. Earthen on the road and 1 in 1.7 kimih kimih are pucca. Here are 01 of culverts. A total of 245 road from nagarerahata kimih mahisadi. Earthen over the road in the 245 kimih. Here are 03 of culverts. W side of until road 1.59 sahprahbidyah Bhangra kimih cabuya subjects. Earthen over the road in the kimih 1.59. Here are 02 numbers of culverts. A total of 273 road sabupura Market from Ballia prahbidyah kimih RA. Of which 273 are paving kimih. Here are 02 numbers of culverts. until total road from Bridge saula oiyapada kalaiya ayanabaja baharampura kimih 3.56. Kimih in the mud road 254, 1 kimih brick roads. Here are 02 numbers of culverts. South side of the road until the house haoladera Hashem

kalaiya kalaiya port kimih 1.3. Which contains 1.3 kimih mud road. Here are 02 numbers of culverts. 0.9 Total road from Bridge until WAPDA bheribamdha saula kimih compartment. Which contains 0.9 kimih paving. Here are 01 of culverts. Madamapura seeds of peace from the Ramanagara bidyah total road .5 kimih Pvt. Which includes .5 kimih paving. Here are 05 of culverts. Jama Masjid Char Char nimadikheyaghata Roy kimih total road 227. Of which 227 are kimih mud road. Here are the numbers 0 culverts. Need two more. Pirate nimadi the rights to a total of 429 road kimih Chandrapara. Of which 429 are kimih mud road. Here are 01 of culverts. Puh naomala Nurul Huda College in the house until the total road DC rora kimih 3.37. Kimih mud road in the 1.87, 1.5 kimih brick roads. Here are 02 numbers of culverts. Rora naomala from DC until the house of the total road batakhali ahkadera kimih 5.5. In which 4.5 kimih mud road, 1 kimih pamkarayeche. Here are 03 of culverts. A total of 275 road from dhuliyabajara kimih mathabariya High School. Of which 275 are kimih mud road. Here are 01 of culverts. until the case of the road from the house baruugipara sahpahbidyah kimih 1.66. Kimih mud road in the 029, 1.38 kimihpamka roads. Here are the numbers 0 culverts. BC naomala bauphala rora (Hashim Ali haohbari) Sher-e-Bengali rora nukalanabi Market 3.5 kimih total road. In which 3.3 kimih mud road, 2 kimihpaka roads. Here are 02 numbers of culverts. Muslim Girls High bidyah until total road laid bauphala kimih 1.16. Which contains 1.16 kimih mud road. Here are 01 of culverts. until total road Informant 3.4 out madyasa kimih kachipara submitted. Which contains 3.4 kimih mud road. Here are 03 of culverts. Nurainapura (Afsar haohbari) beat the market until to a total of 22 kimih road. Which includes 22 kimih mud road. Here are 01 of culverts. The rights to the road for up to 4 kimih jailana birapasa. Which includes 4 kimih mud road. Here are 05 of culverts. B seeds (UZR) until the total road sapalakhali GPS from dipasahata kimih 8.5. Which contains 8.5 kimih mud road. Here are 05 of culverts. Rora galabariya total road connection from seed 1.5 kimih madanapura UP. Which contains 1.5 kimih pucca. Here are 02 numbers of culverts. until total road from baharamapura WAPDA bheribamdha kimih 3.79. Which contains 3.79 kimih brick road. Here are 03 of culverts. From Bridge to beat the market surajamani puhnurainapura (RPS) 5.5 kimih total road. Which contains 5.5 kimih mud road. Here are 03 of culverts. Rora until total road from Maine alipara kacaribari rakhacandi kimih 4.09. In which 3.09 kimih raw, 1 kimih are pucca. Here are 04 of culverts. Total road from the house until 10.78 asurya HOWLADER DC kimih rora. Kimih mud road in the 942, 1.36 kimih are pucca. Here are 06 of culverts. Dhanandi the road from the house up to 3 kimih caurastahata from Dhandi GPS become khanabari nasu. Which includes 3 kimih mud road. Here are 04 of culverts. Total road from the house until 4.55 kimih sahajajira disi rora. Which contains 4.55 kimih mud road. Here are 04 of culverts. Union has a total road until from 3.5 kimih kalaiya klabaghara rora. In which 0.5 kimih mud road, 3 kimih is pucca. Here are 03 of culverts. Plans are in the house engineer to kalisuri kalisuri bahiracara iujedaara gopalarora 3.5 kimih total road. Kimih mud road in the 26, 9 are paving. Here are 01 of culverts. Hats mehendipura kalisuri the composition of the center of the road 42 kimih jeena madrasa. Which includes 42 kimih mud road. Here are 05 of culverts. Kanakandi UP (Kala Khan's house) is home to birapasa injihahkhalekura Khan Market kimih total of 52 lanes. Which includes 52 kimih mud road. Here are 01 of culverts. Sharif Ghani South side of the road up to the house, the house of the chairman bauphala kimih .7. Which contains .7 kimih mud road. Here are 03 of culverts. From market to market, the total road

hijabulla 4.5 sitaka kimih Chairman. In which 3.7 kimih mud road, 8 km has pamkarasta. Here are 04 of culverts. A total of 239 road from the market rights to kasipura panaseda kimih Shahjahan. Of which 239 are kimih mud road. Here are 01 of culverts. G C C R the total road pahmadanapura GPS 6 ki:mi: the rights to dipasa. Which includes 6 kimih mud road. Here are 04 of culverts. A total of 203 road from Maidan idagam birapasa kimi mallikaduba market. Of which 203 are kimih mud road. Here are 03 of culverts. Titles from the UK R Jama Masjid bauphala kalisuri goyaliyabagha R UPS is in the house until the total road .7 kimi Shikder Engineer Ruhul Amin. kimi mud road in the 1.45, 0.75 kimihpaka road, .5 kimi brick roads. Here are 03 of culverts. Baradalima (Aziz daphadarera buildings) up to the house of Ali Ahmed kimi road 232, the 223 has kimi mud road. Here are 03 of culverts. 3.4 the total road madanapura sapalakhali kimi new mart. Which contains 3.4 kimi mud road. Here are 06 of culverts. From UP to ponahurahata kalisuri kalisuri gopaliya rora (Chairman hats) until a total of 6.5 kimi road. Which contains 6.5 kimi mud road. Here are 03 of culverts. From the factory to the house of the high road Ahia anarasiya \_ kimi 4.07. Which contains 4.7 kimi mud road. Here are 03 of culverts. Bahiracara from B G C C R (kumbakhali R, P, S) is the total road kalata Gps .5kimi. In which 1.5 kimi mud road, 1 km brick roads. Here are 02 numbers of culverts. A total of 2.38 road kachipara gopaliya kimi Altaf Mirer house. Of which 2.38 are kimi mud road. Here are 02 numbers of culverts. R; Jayabanagila market the factory Mbps Union has mandarabana jomaddara buildings R a total of 3.5 kimi road. Shoaib at the S & D Pvt \_ registration manderabana basri (So instead) responded to the house until the total road kimi pakadala Technical College. In which there are two kimi mud road. Here are the numbers 0 culverts. Pirate Hunt G B C C R (sahebauddina mredhara buildings) bahiracara the Union has a total of 3.08 km of road. Which contains 3.08 kimi mud road. Here are 01 of culverts. Here are 01 need kalabhata. From Bridge to \_ Chandrapara surajamanina high total road 5 kimi sahpahbidyah ramanaganja board. Which contains 5 kimi mud road. Here are 02 numbers of culverts. Madunapura UP (paper pool) mrdara hats from the road up to 6.5 kimi Chandrapara the caurasta Market Road. 0.5 kimihitera roads in 6 kimi mud road. Here are 04 of Kanakandi from UP to Market nagerahata sabupura dipasa market in the garage until the total road aphasarera kimi 10.5. 82 of which are on the road kimihpamka kimi mud road 23. Here are 08 of culverts. 5.8 Total road from UP to iujedara adhabariya kimi monkey hats. Which contains 5.8 kimi mud road. Here are 01 of culverts. Bauphala Upazila H queue (galabariya) High School from the kainabajara bilabilasa alihekama the total road Foundation kimi 7.5. In which 6.48 kimi mud road, 42 kimi brick roads. Here are 02 numbers of culverts. Bamderahata from the market until the total road hijabulla kanakanda UP 5.6 km, which is 5.6 kimi mud road. Here are 02 numbers of culverts. B from UP UP sedge সঃপ্রাঃবিদ্যাঃহস্কেkanakandi 3.4 km road up to the market. Which contains 3.4 kimi mud road. Here are 01 of culverts. The market is bauphala sabupura from naomalaiupi Patuakhali R H (Kader garage) Total road 8.5 km to the market. kimi mud road in the 6.5, 1 kimi cobbled roads. Here are 03 of culverts. From UP to Market hasnabada madyasa hasnabada bauphala the Alipore beat the market in the market, a total of Hasan Ali haoladarabari 8.5 km road. Which contains 8.5 kimi mud road. Here the number of culverts 01 tikachipara UP (Health Complex) in Market Eid jayabanagila groan from the ground up to Market road 526 km

madarabana market. Of which 526 are kimi mud road. Here are 01 of culverts. From UP to nazirpur caurasta sutanatha Market 6.7 km road up to the market. Which contains 6.7 kimi mud road. Here are 02 numbers of culverts. Here are 02 more than the required kalabhata. Kalaiya UP (jaiinapura khanka) kachua Pirate miyajana Market Market Union has a total of 92 km of road. In which 8.3 kimi mud road, 9 km of pamkarasta. Here are 02 numbers of culverts. Upazila H / Q (regime) of the road 3.1 km from the sutanabada Market Market. 224 in which the raw streets kimi, .86 kimi brick roads. Here are 01 of culverts. Kanakandi UP (kanakandibajara) uhpahmadanapura enter the seminary to become market banlahata madunapura 8.5 km total road. Which contains 8.5 kimi mud road. Here are 05 of culverts. Kalaiya UP (orange dighirapara) tindakana from the village of Eid Jama Masjid Saliha the road car market, a total of 7.8 km. kimi mud road in the 6.3, the 1.5 km includes brick road. Here are 05 of culverts. RA is \_ Pvt taterakathi Chandrapara Market iyaheke badasahabari \_ total road 4.5 km high. Which contains 4.5 kimi mud road. Here are 01 of culverts. UZR,buildings jumaddara GPS \_ bauphala the H / Q of the total road diptibari 3.7 km, of which .7 kimi mud road, 1 kimi cobbled roads. Here are 03 of culverts. High School in the UK pharajibari tetulatala taterakathi Jade RiverR 42 km of total road Neha nurainapura college. Which includes 42 kimi mud road. Here are 03 of culverts. Bamanikathi GPS kaukhali from \_ become \_ kaukhali PVT R RA, P, H, until a total of 4.5 km of road, of which there are 4.5 kimi mud road. Here are 01 of culverts. Here are 01 need kalabhata. Gosinga (R, H, D) of the madrasa bilabisbasa rasida mollabari .5 km road bridge until the total, of which 1.5 kimi mud road, 1 km of paved road. Here are 02 numbers of culverts.

### Village rora-B

3.55 km road up to the house from the master anarasiya Ibrahim, in which 258 kimi mud road, .95 kimihitera roads. Here are 05 of culverts. A total of 243 km of roads to mrdhabari kachipara, kimi mud roads in the 243. Here are 01 of culverts. A total of 231 km of the road from the house gopaliya khanabari. Of which 231 are kimi mud road. Here are the numbers 0 culverts. A total of 192 km of the road from the house of Ghani samaddara buildings, 192 of which are kimi mud road. Here are the numbers 0 culvertsThe total road sibapura Kim Informer gajira 4.83, which is 4.83 kimi mud road. Here are 01 of culverts. A total of 1.5 km of road from canakathi phasikata Bridge, which contains 1.5 kimi mud road. Here are 01 of culverts. 6.74 km of the road from the house of Sardar hosnabada market, in which 6.74 kimi mud road, 1 km of paved road. Here are the numbers 0 culverts. A total of 1.49 km road from mollabari Dhulia UP, which contains 1.49 kimi mud road. Here are the numbers 0 culvertsG P S Uddin HOWLADER aphotara total road 921 km from the house, which includes the 921 kimi mud road. A total of 7.34 km road from khanabari abidaali keshabpur UP, which contains 7.34 kimi mud road. Here are the numbers 0 culverts. Azhar Ali's house in UP keshabpur 6.68 km of road. Which contains 6.68 kimi mud road. Kaderakajira road 205 km far from the house of Ghazi GCCR Waterman, in which .95 kimi mud road, 1.1 kimi brick roads. Rarira Aziz Khalifa buildings house a total of 3.5 km of road, of which there are 3.5 kimi mud road. Hussain Ali Khan's house until the total road nurainapura Market 3.53 km, which is 3.53 kimi mud road. A total of 625 km of road from haoladarabari uhkanakandi LinkedIn, which has 625 kimi mud road. A total of 52 km of road from khanabari Amirabad

জয়গোড়ামোজাফকারের buildings, which includes the 52 kimi mud road. Rights to a total of 3.3 km of road from daibari kumbakhali Amirabad, which contains 3.3 kimi mud road. 5.37 km of the road from the house karmkara B UP. Which contains 5.37 kimi mud road. Jalal Khan, from house to house Sikder madanapura madanapura GPS \_ road 284 km in total, 284 of these are kimi mud road. Rajapur high school to high school to become a indrakula botalabajara total road 4.6 km, 4 of the 4.6 kimi kimi brick road, mud road. 3. km from nazirpur sahisa canal road until the total of roads in the 3. kimi raw. A total of 4.03 km road from hats Chandrapara talatali of 4.03 kimi mud roads. Union has become home to suit nimadi Ghani Ali Hawlader 5.76 km road up to the house, which contains 5.76 kimi mud road. Rora nurainapura Market bypass road 1 km, which is within 1 kimi mud road. Here are the numbers 0 culverts. From house to house dasapara Gagan Ghazi Ibrahim Mridha 525 km of roads, of which 3.75 kimi mud road, 1.5 kimi brick roads. A total of 245 km of roads to narayanapura hosnabada dasapara. Of which 245 are kimi mud road. Here are the numbers 0 culverts. A total of 243 km of roads to babucibari dasapara sikadarabari, kimi mud roads in the 243. Total road .8 km far from the Noori sahpahbidiyah bauphala College. Which contains .8 kimihitera road. There are scholars who gulatamauja gajirabari total road 5 km from the adabariya Maqbool. Which contains 5 kimi mud road. A total of 5.8 km of road from sahpahbidiyah batakajala naomalaiupi Office. Which contains 5.8 kimi mud road. A total of 3.67 km road from hats prahbidiyah matabarera Rajapur, which contains 3.67 kimi mud road. High School of the total road HOWLADER aijuddina birapasa .8 km from the house, which is .8 kimi mud road. Siege Rajapur Rajapur dighirapara total road 5 km from haohbari Bridge. Which contains 5 kimi mud road. Anarasi serajakhala road 5 km from the house of the Rajapur RPS, which includes 5 kimi mud road. The total road 3 km from the factory manikagajibari Union has factory, which has 3 kimi mud road. Here are the numbers 0 culverts. Total road .5 km far from bhuiyabari bhuiyarahata, which includes .5 kimi mud road. Total road from the house until sahpahbidiyah pahpasera HOWLADER bajemahala 1.9 km, which is 1.9 kimi mud road From house to house, Selim M. Ziauddin esa total road 1.1 km, which is 1.1 kimi mud road. A total of 1.6 km of road from GPS khandakarabari raribari Dhulia, which contains 1.6 kimi mud road. Ramnagar, from the canal to the river bauphala bharaia B .5 km of roads, of which .5 kimi mud roads. A total of 206 km of the road from the Central madanapura uhmadanapura RPS, which contains 206 kimi mud road. A total of 222 km of the road from the house kaukhali ratanera, mud roads in the 222 kimi. 1.5 Total road from the house until Sahaneyoj sikderkimi giyasuddina scholars, which includes the 1.5 kimi mud road. Gias Uddin kaukhola membarabari bamanikati market total road km, which includes the two kimi mud road. Cabuya Alam membarerabari total road 3 km from Ballia GPS. Which includes 3 kimi mud road. A total of 3.5 km of the road from the slave hawla dhaurabuniya GPS. Which contains 3.5 kimi mud road.

Table 1.3: According to the information at a glance bauphala district road length of LGD.

Types of Roads	Number	Length (k.m.)	Pavement (k.m.)	Earthen (k.m.)	HBB (k.m.)	CC
Upozila Road	8	115.88	115.33	0.05	10.00	10.35
Unoin Road	46	428.65	171.13	241.67	-	-
Villa.road-A	113	466.82	60.50	402.23	-	-

Villa.road-B	191	1297.56	366.51	916.10	-	-
Total	258	2304.51	713.47	1506.10	10.00	<b>10.35</b>

Source: LGED BaufalUpazilla

## Irrigation System

Bauphal district depends on agriculture because agriculture in the area of the region is the main source of livelihood for the majority of the people. Galachipa Patuakhali district 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 brstira water. NGOs as well as by the placement of the dry season using deep tube wells. While the rice cultivation has decreased greatly, but irrigation for cultivation of rice and other necessary actions. Subdistrict government has implanted deep tube wells in 4223. There is no barenda Office at subdistrict. Depending on the total land under irrigation in the agricultural districts, 84.115 acres. Abundant in the dry season irrigation is jamigulote. Easier way to manage tasks being used for irrigation rivers, canals and water brstira deep tube placement as well as by NGOs. Which is very low compared to needs.

## Hat-bazaars/ Markets

Of Agriculture and Fisheries Bauphal but no large-scale industry has not developed here. However, several of the sub-mill, flour mill, brick kilns, etc. Welding industry and art. The region was bounded almost every market in the samudrika upakulio Fisheries farming, fishing upakana found. Moreover bauphalera luxury goods industry of pottery made of clay pottery in the world market, Patuakhali bauphalera extinction dbarapranta aesthetic diversity of artistic



Figure 1.3: kaliya Bazar

resources in the world market has bipanite room. Spectacular luxury goods industry of pottery clay Italy, Canada, astroliya, phransa, Denmark, the UK, Spain, Japan, and the US niujilyande because those countries are quite in demand. The agricultural crops which are marketed in the 77 districts of the market. In adabariya 08, bauphale 05, dasapara 04, kalaiya 03, naomala 06, madanapura 04, B 05, kanakadiya 05, suryyamani 06, keshabpur 09, Dhulia 04, kalisuri 07, kachipara 06, and nazirpur 05. Every year a large amount of all Hats rice, rice, watermelon, sugarcane, banana, papaya, onion, garlic, etc. are exported.

### 1.4.2. Social Assets

Social resources of the area is dependent on the prosperity of the area's socio-economic conditions. Bauphal district communication, religious and educational institutions, prarthanasthana, 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.

## 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. Sandy soil and doyasa. Yaya wood parquet floor in the notice, in the area of the bricks, sand, cement, made by big to fetch the number of buildings is very low. Gharabarigulora structure for storing grain and top deck generating system is made. However, the recent trend going to build terraced house. According to the nature of the soil in the district include prakati Etela, doyasa and silt. Graphacitre detailed overview of the housing. (Tathyasutrah Bangladesh Bureau of Statistics)

## Water

The dry season due to the geographical location of the underground water level goes down Bauphal districts that sometimes leads to a shortage of drinking water. Lack of drinking water in the sub-4223 for sharing of deep tube wells. Besides those basic necessities BMW stale, daily use, agricultural and other uses of the water are basically the main source



Figure 1.4: House

of its wells, rivers, and canals. 0.1% Percentage Tap Bauphal district, 97.4% and .5% other wells. 850-1000 fits the current level of water in the district. If the layer is less than the current level of water in the salt water ancalera nalakupe seen. Subdistrict in which 78 high-wells, sank during jalacchaser a bannya or not, this is high time to other causes tiubayela upajelabasira Again, lack of water to meet disaster's role is special. According to the Public Health Office of the engineers of BMW 299 kachipara Tube has 15 damage. Every government has 353 kalisurite Tube 18. Dhuliyaya kidney contains 10 of the 247 public Tube. Every government has a 16 out of 332 kesabapure Tube. Suryyamanite 300 government Tube 15 kidney rayechekanakadiyate 246 government Tube 17 damage, the bagate 346 public tube-well in a 1 in kidney, the madanapure 328 public tube-well in the 16 damage, the najirapure 359 government Tube 0 in the kidney, the kalaiyate Every government Tube has 19 in 326, 278 dasapara in public Tube has 10 damage, including damage to 13 of Bauphal 390 government Tube, Tube adabariyate of 3. government has in the kidney 07. (Tathyasutrah upazila DPHE, Bauphal)

## Sanitation System

Share of 19.3 per cent in the districts for payahniskasanera silda sanitary latrines, non-silda sanitary latrines 18.6 percent, 50.7 percent and 285 percent non-sanitary latrines family latrines are unhygienic sewerage. There is no sewerage projects and the rest of the 1.5. To ensure proper sewerage and health risks under the Public Health Engineering Department of the cost of repairing the tube with respect to the purchase of spare parts, the government set



prices slab ring sales / supplies, water tests arsenic levels (in limited form), the district headquarters of water supply pipelines to provide advice to the public to create healthier latrines and disaster sahayogitamulaka operate with the local administration.

## Academic Institution and Library

Bauphal districts, 13 colleges, secondary schools, 55 out of a girls' school 07, junior high school 04, madrasa (Fazil 07, Alim 10 making 51, ebatedayi 140, meals 04), 215 government primary schools there. 5257% literacy rate in the district, including the district education pratisthanera abashanera detailed information is given in Attachment -7.

## Religious Institutions

Bauphal districts recipes, traditional, Buddhist etc. religions live. 895 districts in the mosque, temple 135, and there is no church, cemetery, 7 T, implies 443. District as the center of religious companies byabahita at other causes of the disaster. Below is a list of numbers with the name of the union-based religious institutions.

Tebilah 1.4: Union based mosques, temples, cemeteries, idaga

Name of Union	Mosque	Temple	Cemetery	Eidgah
Adabariya	66	11	0	36
Bauphala	68	07	0	43
Das laid	48	14	01	52
Kalaiya	83	18	03	72
Naomala	86	03	0	36
Madanapura	12	04	0	08
Boga	46	08	05	07
Kanakadiya	60	21	01	06
Surjyamani	84	04	01	20
Keshabpur	89	11	04	33
Dhulia	59	07	01	30
Kalisuri	50	09	10	05
Kachipara	102	11	01	29
Nazirpur	80	07	0	67
<b>Total</b>	<b>895</b>	<b>135</b>	<b>17</b>	<b>443</b>

Source: Field Visit, 2014

## Religious Place (Eidgah)

The district has 443 Bauphal idagamh. Other causes of the disaster are at much higher figures as byabahita. Jama Masjid buildings kachipara idagamh Aachen, hisyajata idagamh Jama Masjid, Jama Masjid baheracara idagamh, baheracara Sikder buildings Jama Masjid, Jama Masjid idagamh West kachipara Islam Rubel, West kachipara Khan house idagamh Jama Masjid, Jama Masjid idagamh West kachipara market, scholars must apply through kachipara

buildings idagamh Jama Masjid, Jama Masjid idagamh West kachipara Ul Azam, mid kachipara idagamha Medina mosque, East kachipara hajibarijame idagamh mosque, Jama Masjid East kachipara bellala buildings, rujana idagamh Jama Masjid. (Data Source: BMW Web Portal, Union district office, Bauphal)

### **Health Service**

Subdistrict in a government hospital, there are two private hospitals. There are 06 sub-health centers in the Union, the Union has a 4 in clinic-based community. Community clinics to hunt spies, gauripura community clinics, community clinics Hats win Bangar, (Data Source: Information portal Upazila, Union district office, Bauphal)

### **Bank**

Sonali Bank is the 02 district banks in Bauphal significant, 01 Rupali Bank, Agrani Bank, Janata Bank, 02 of 02 countries, 01 of east bank, Agricultural Bank, 04, 01 Islamic Bank, Agricultural Development Bank and BRAC byankaei subdistrict total of 01 1 is the bank. (Data Source: BMW Web Portal, Union district office, Bauphal)

### **Post & Tele Communication**

Departments as well as other organizations digit touches of modernity. Bauphal subdistrict has 05 sub-post offices, 45 branch post offices, 01 telephone exchanges. (Data Source: BMW Web Portal, Union district office, Bauphal)

### **Club/ Cultural Center**

There are some clubs and cultural centers Bauphal local subdistrict. There is a public playground in the district. All games are held at the district field. Districts in the popular sports-football, cricket, handball, volleyball, badminton and kabaddi etc.. BMW sports sasthanara involved with the club for about 40. Organized by sports organizations of all clubs in the district to take part in sports. Are organized based on the specifications in addition to seasonal yacht, Boishakhi Mela, pausa Sankranti Mela, fairs etc. Bauli. Other causes of the disaster as the club house's Retreat Center is byabahita.

### **Forestry**

Upazila of Patuakhali Bauphal disaster prone region. Predominant amount of the district is very low. 15% of the total land area of the district where there are only two% forest and woodland. Forests of the caraway plant, geoya, kakara, Babul pata etc. Here the forest is decreasing every year due to natural disasters and the salt. However, the local administration and NGOs in the process of lawn uddyoge socially. 02 districts of the government, 18 by NGOs, private companies, 6 of the nursery. (Data Source: BMW Web Portal, Union district office, Bauphal)



Figure 1.5: Social Forestry

## NGOs/ Voluntary Organizations

Bauphal Upazila Disaster risk being vulnerable areas to improve the quality of public life at different N, G, and have been operating here. These BRAC, ASA, Proshika, prayukti altar, rural energy, sisidipi, PKSf, Rural Development Agency, Rural Banks, National multiparapaca Q, R, S, F, creative Bangladesh, anirabana, videos, agraduta, C SS, uddipana, World vision Bangladesh, caritas, notably civil. Non-governmental organizations to support financially the people under Bauphal education, health, microfinance and disaster prevention have been introduced with different activities. According to the Department of Social Services Disaster Ink thaketadera Later works in over 180 co significant Brac NGO, Trust, P & D and, as R & D, the development of rural communities umbilical cord, Save The ciladena, daranida etc. (Data Source: BMW Web Portal, Union district office, Bauphal)

## Play Grounds

Bauphal districts have a public playground. All games are held at the district field. Districts in the popular sports-football, cricket, handball, volleyball, badminton and kabaddi etc.. BMW sports sasthan involved with the club for about 40. Organized by the Club of BMW sports organizations are taking part in sports. Pursued in this field, as in other causes of elevated shot disaster is byabahita. (Data Source: BMW Web Portal, Union district office, Bauphal)

## Graveyard/ Crematorium

7 districts of the cemetery, the cemetery's most of flooding when the water nimnajita. Crematorium at the district government is 1. (Data Source: BMW Web Portal, Union district office, Bauphal)

## Communication and transportation

Road distance of 45 km from Barisal and Patuakhali Patuakhali Sadar upazila on the distance from the road 30 kimih Bauphal. All iuniyanei upazila Sadar Upazila some pucca pucca road connecting directly to the Council of the Union. As a result, the bus, rickshaw, causing immense suffering, Mahendra, motor, movement, and accessories for transporting and tractors, lorries etc to navigate. Basically, the region as a means of communication and transportation are road and waterways. The vessel, which is the primary means of communication in this subdistrict rivers and canals are used to bill. Total road length of 128219 km. Subdivisions with a total length of 115.88 km road 8, 46 roads with a total length of 42465 km west union, T A 113 with a length of 46682 km rural roads, rural roads with a length of B 91 129556 km. (Data Source: BMW Web Portal, Union district office, Bauphal)

### 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 sarartura 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. Book barsanasaha storms have occasionally gusty winds. It 'nor' wester 'is called. Is found at the time. (Data Source: BMW Web Portal, Union district office, Bauphal)

## Rainfall

The analysis of rainfall, average rainfall is 2830 mm in 013 districts Bauphal .. 013 is the maximum rainfall of 600 mm in July And the lowest rainfall in the January 13 mimisitakale average 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 Bauphal weather Patuakhali district is considered to be the center of the weather is almost similar.

Tebilah 1.5: Patuakhali Weather Center annual rainfall (mm)

Month	Jan	Fa b	Ma r	App	M ay	Ju n	Jul y	Aug	Sep	Oc	Nov	Dec	Yearly
Rinefu l	13	16	48	109	27 4	57 9	60 0	524	40 1	177	62	20	2823
Season							The average rainfall of the 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

## Temperature

Considerable decrease and increase of temperature occurs in winter and summer. Patuakhali Weather Center with an annual mean temperature (° C)

Tebilah 1.6: Annual average temperature of meteorological stations.

Mo nth	Jan	Fab	Ma r	App	Ma y	Jun	Jul y	Aug	Sep	Oc	Nov	Dec	Yearly
Te mp era tur e	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

## Ground water level

Incremental changes in topography, the use of underground water and rapid population growth, unplanned nature of this area of the earth has been reduced to deteriorate. Future climate change has to be made clear as well laksanakan now. Favorable climatic conditions in the region, the current situation is not in any way that captures the increasingly terrible shape. Loss rate of the critical rainfall, the weather is hot during the day and cold at the same time come the end of the night is just a manifestation of environmental imbalance. Whose influence has affected the underground water level. Rainfall in the region is the mainstay of the underground water punahyojanera sometimes increase and decrease the volume of the river water increased due to climate change and forests, as well as drought and desertification in the region, the main obstacle in the process of groundwater punahyojana rbhastha water. Abastita galachipa upazila under Patuakhali district in South-west underground water level from 850 to 1000 feet or 285 meters. (Data Source: Bauphal information portal, December 013)

#### 1.4.4 Others

##### Land use pattern

Alluvial plains and rugged tract of land under Bauphal danga and Bill consists of somewhat. 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 area of 35.585 hectares, about 74 percent of the district. Eastern district the remaining natural areas in the entire area, including the earth. Danga and spacious flat area of land made by the bill and divided by a small canal. Wet or flooded in water, not land danga high tide. Monsoon and low tide water bilabhumi low danga and is steeped in a profound way, but deep in some parts of the medium is flooded. The alluvial soil of the tide coming from the source of sediment, and the new state cunayukta ganeya 12600 hectares total area, about 6 percent of the district. Eastern district land area consists of a wide and flat wide danga. Deeply flooded areas, mainly in the rain, and the tides are low in water, but some parts are moderately deeply flooded.

##### Agriculture and Food

The main produce rice, peanut, sweet potato, pepper, khisari, sesame, mustard, watermelon, and drink. Utpadit atraelakate is also plenty of seasonal vegetables. 48.185 hectares of the total amount of land under which the total agricultural land of 73.850 hectares, 150 hectares of fallow land permanent. Also 7200 hectares of agricultural land, the crop land is 20500 hectares and 8.550 hectares of agricultural land in three. Patuakhali district fisheries resources. River canal district, ponds, streams, lowland crucial for the fisheries. This district is famous for the Hilsa fish mohanagulo River. (Tathyasutrah of Agriculture and Fisheries Office, Bauphal)

##### River

Since ancient times the rich natural diversity Bauphal mainland. Sunibira aranyani, plants, animals and rivers, the region is full of water, giving rise to the occurrence of angake rich decoration. Before bauphalera huge tetumliya River, on the west and north-west of river

lohaliya kharasrota have factory rivers. 3133 hectare area of the river 3. There are no large rivers Bauphal Union Canal but has only 3. Dasapara Union No. 1, No. 02, No. 4, No. 5, No. 7 and 8, there has been a mill on the river side of the ward. Kalaiya Tetulia River in Union kalaiya Tetulia which has developed into the center of the river known as the River tetuliya kalaiya port here. (Tathyasutrah Bauphalupajela and Union Council, Office,)

## Canals

There are a lot of big and small canals of gold Bauphal Union, Bauphal Union 3 is just a canal, there is a big river. North side of the Union Canal bharani Bauphal madanapura south naomala Union, previously dasapara union, west union B. People come and go and the canal is used for convenience to bring malamala. Canal 7 of 10 from the Union. Adabariya Union Canal, which has a 5-in-naptani Canal, Kabir khali Canal, Canal arajunatalara atosakhali dakuya buildings, building adabariya lathiyala Canal, Canal South Madhabpur Haji khali. There kalaiya kalaiya Canal Union Canal 4, Canal thakuriya kalaiya harbors, canals Orange Queen, camphor kathi Canal, Canal saula. 0 acres 0 acres uddhe down the canal and the canal of the number 7 in the area of 15.17 hectares. (Tathyasutrah Bauphal Upazila and Union Parishad, Office,)

## Ponds

According to the number of ponds in the sub-district fisheries office bauphal of 36.408 total area of 1438 hectares. The number of ponds 57 with a total area of 1246 hectares edge. Fish farming in the business districts, the 10% and 90% of the ponds are used to meet family needs. (Source: bauphal Upazila Fisheries Office)



Figur1.6: Pond

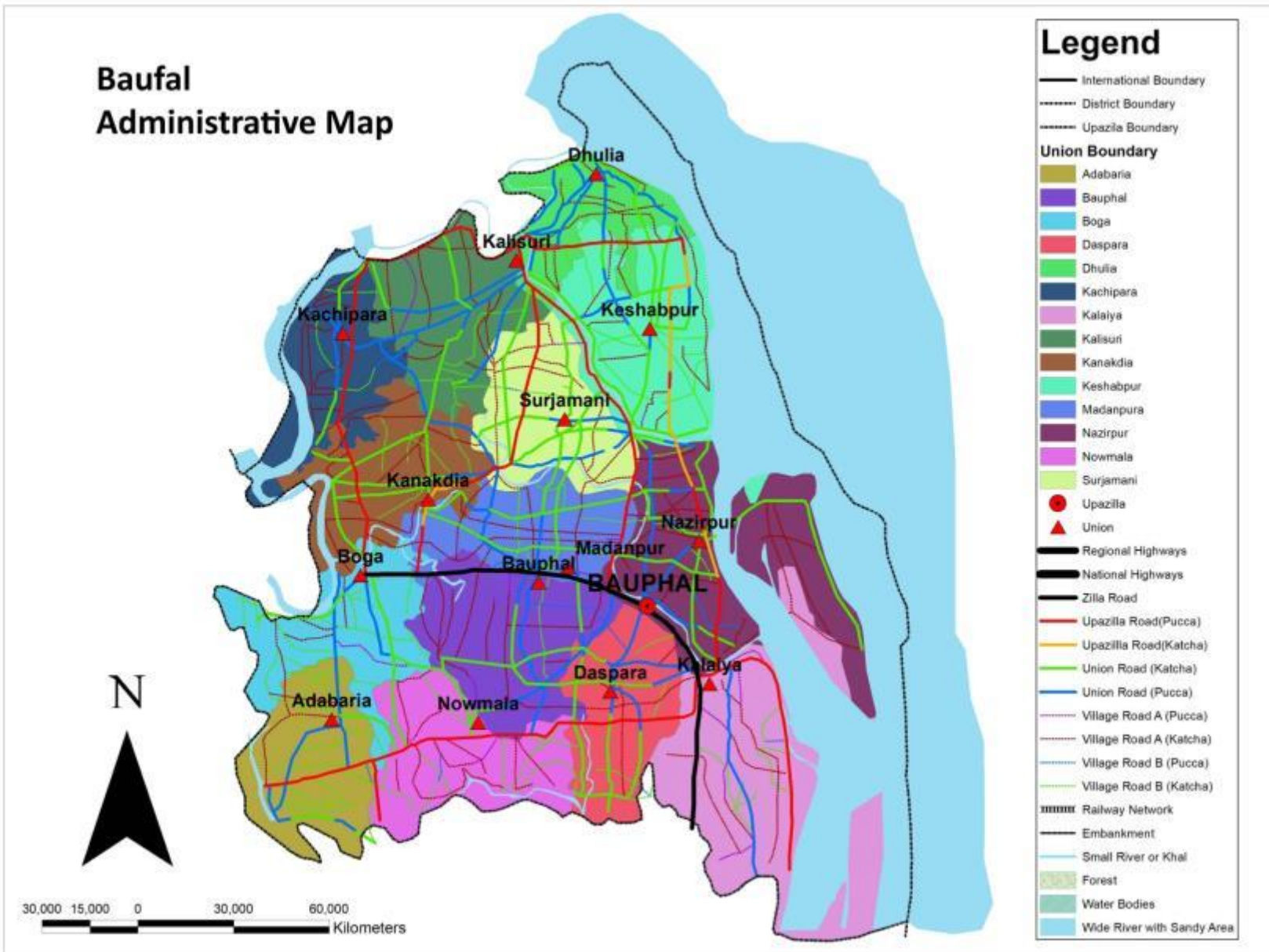
## salinity

Bauphal sub-district moderately at normal salinity, but in other cases different Natural catastrophe of mass destruction effect is not observed. However, natural disasters such as cyclones, floods tidale surgh and extensive damage to crops in agricultural land are increased salinity. There is no salinity in the subdistrict. Region affected by the tornado damage in the agricultural sector than most. The salinity of the sea water has flooded nearly 9 million hectares of agricultural land suitable for farming. (Source: Bauphal district public health and Engineer Office)

## ArsenicContamination

Arsenic level in this upazilla is 0.01%. Different tests of tubewell water like arsenic level, cloraid, iron, manganese, PH level, electric conductivity and other biological tests can be served in return of certain fees in the local laboratories. Besides, some free basic tests of water sources are executed with field kits.

# Baufal Administrative Map



## Chapter Two

### Disaster, Hazard and Vulnerability

#### 2.1 History of Disaster

Disaster a serious dilemma which occurs in nature or the result of human srstha you out. Common sense is a weariness to the disaster, but not all apadai disaster. When the two elements together in misery and disaster to him say bipadapannata. Patuakhali district is situated in the southern end of the various Natural Disaster victims bauphal is a BMW. 487 sq km area of the district, where 3,10,508 people lived. Geographical location, and the nature of the disaster-prone countries in the world in Bangladesh identified as one. Decades the country has been organized in various forms of natural disasters. In which the disaster floods, droughts, nadibhangana, cold wave, storm, hail, storm, ghanakuyasa, arsenic, water logging, fires, tornadoes, heat waves, and north-wester ittadi. Almost every year, and the country is not mentioned in the disaster hit areas Heaney extensive damage to life and property. Before the 1988-1991 global crisis can be seen in the analysis of the history and the 2003, 2004, 2007, 2009 and 2013 upazila bauphal is widespread floods and storms. In 2007, Aila in 2009, 2013 due to the storm approached the area is extensive damage. Bore, whirlwind, then, river erosion, flood disaster in the major disaster under the agriculture, health, education, infrastructure development, including karmkanda including livestock and biodiversity are seriously damaged. Also as a result of climate paribaratinera tetuliya river increased suddenly become homeless families who are 1000/1500 nation. Increased per capita income poverty declined public. Trend of increasing human health damage.

**Table 2.1:** Disaster name, Year, loss, sectors of lossess

Disaster	Years	Damage	Affected Sectors/ Elements
Tidale surgh	2006, 2007, 2008, 2009, 2011, 2013	More	Fisheries, health sector, infrastructure,
		Moderate	Agricultural resources, Livestock, contact
Tornado	2004, 2004, 2005, 2006, 2008, 2009, 2010, 2011, 2013	More	Agricultural resources, health services
		Moderate	Fisheries, livestock
Glossary of Meteorology	1988, 1991, 199, 1995, 1997 and 2005, 6 May 2002	More	Agriculture, human resources, infrastructure
		Moderate	Fisheries, Livestock, contact
River erosion	1986, 1987, 1988, 1995, 1998, 2004, 2008, and 2009, 2013	More	Agriculture, infrastructure, roads etc.



Disaster	Years	Damage	Affected Sectors/ Elements
	since May 16th.	Moderate	Fisheries, livestock, human resources,
Flood	1986, 1987, 1988, 1995, 1998, 2004, 2009	More	Agriculture, human resources, infrastructure
		Moderate	Fisheries, Livestock, contact

Source: Field Visit, 2014

## 2.2 Hazards of the Upazilla

Being close to the coast in the region of Agriculture oriented bauphala district residents to confront the catastrophe than the ones in a variety of different sorts district unions and municipalities have direct or indirect damage. As such is the nature of human-caused misery and danger is caused. With local elites to the general public opinion on the basis of you out there have been 5 to danger. This year, the locals think you out of the 5 days of the damage and the impact of losing face is being intensified. So from now on if you do not take effective action to do kalabilamba future generations will be faced inhumane conditions. Woodworking priority is given below:

Table 2.2: Hazards and Priority of Hazards

Hazards of the unions of this upazilla		Identifies hazards and priority of hazards
<b>Nature caused hazards</b>		
1. Extreme	1. Earthquake	1. Tornado
2. Flood	13. Whirlwind	2. Flood
3. Water level	14. Waterlogging	3. Glossary of Meteorology
4. Inundation	15. Irregular rainfall	4. Whirlwind
5. Met	16. Tornado	
6. Drought	17. Hail	
7. River Erosion	18. Lightning	
8. Heavy mist	19. Muac Attack	
9. Tidale surgh	20. Crop insect attack	
10. Arsenic	21. Salinity	
<b>Man made hazards</b>		
1. Fire	2. Land Possession	

Source: Field Visit, 2014

## 2.3 Different types of Hazards and its present, future illustration

### Tidale surgh

Patuakhali bauphala liar endemic widespread catastrophe. Ashar month catastrophe continues to ship here. The areas of agriculture, fisheries, abokathamo, housing, education,

communication, and the sector has attained widespread damage to crops due to reading thakeabadi No, he lands in the sand about 5 percent of the land area of crop production, resulting in disruption. September 19 each year, but the bore 2006, 2007 15th November, 15th November 2008, 5 th May and 16 June 2009,2011 was a huge bore.

## **Flood**

Displaying both bauphala kabalitaekhane Patuakhali district wide scale catastrophe catastrophe continued till Ashwin month. The areas of agriculture, fisheries, abokathamo, housing, education, communication, and the sector has attained widespread damage to crops due to reading sand lands thakeabadi No, he's almost 15 percent of the land area of crop production, resulting in disruption. Although every year bore 1988,1998,2004, and 2007 were in widespread flooding.

## **Glossary of Meteorology**

Disaster widespread endemic bauphala Patuakhali district. Disaster jaisthya be continued till the month of April. The areas of agriculture, fisheries, abokathamo, housing, education, communication, etc. have attained tremendous damage. Arable land can not be cultivated because of the sand. 0 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 per year less than the loss of at least 1988 injuries upajelate kalabaisakhira, 1991, 199, 1995, 1997, 2004, 2005, and 2007 in the north-wester was.

## **Whirle wind**

Patuakhali bauphala liar endemic widespread catastrophe. Ashar month catastrophe continues to ship here. The areas of agriculture, fisheries, abokathamo, housing, education, communication, etc. have attained tremendous damage. No, he's arable land is cultivated crops because of the sand is nearly 0 percent of the land area of crop production, resulting in disruption. 2004 per year whirlwind, but on May 3, September 11, 2004, 2005 Mar 11, September 19, 2006, 2008 on the 15th, 2009 on May 5, October 8, 2010, 2011 on June 16th was a huge whirlwind.

## **River Erosion**

Since ancient times the rich natural diversity bauphala mainland. Sunibira aranyani, plants, animals and rivers, the region is full of water, giving rise to the occurrence of angake rich decoration. Before bauphalera huge tetumliya River, on the west and north-west of river lohaliya kharasrota have factory rivers. Many of the rivers and streams of gold inside the small-large. 3133 River area of 3 hectares. Endemic in the district of Patuakhali widespread catastrophe. Displaying both be here till April month catastrophe continues. The areas of

agriculture, fisheries, abokathamo, housing, education, communication, etc., is the sheer loss of arable land in the fields of crops can not be cultivated because of the sand is nearly 4 percent of the land area of crop production is hindered. Nadibhangana per year but in 1988, 2007 in 1998 and was widely nadibhangana.

## 2.4 Vulnerability and Capability

Bauphala gold whirlwind, jalacchasa, floods, erosion, Oni, yamita rainfall drought, such as the danger of being under the influence of apadagulora population of about 304959, also chaplains, fisheries resources and infrastructure bipadapannera 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 fear of disaster losses and the number of people with disabilities are dealt with and the capacity in which the 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: -

Tebilah 2.3: vulnerability and capacity.

Hazards	Vulnerabilities	Capabilities
Erosion	<ul style="list-style-type: none"> <li>• It ruins agricultural products.</li> <li>• It hampers communication.</li> <li>• It harms human resource.</li> <li>• It damages infrastructure.</li> <li>• It ruins fisheries.</li> <li>• It destroys livestock.</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• There are 115 km dams with hight 6ft</li> </ul>
Whirlwind	<ul style="list-style-type: none"> <li>• It ruins agricultural products.</li> <li>• It harms human resource.</li> <li>• It washes away fisheries.</li> <li>• It causes lack of safe drinking water.</li> <li>• It destroys livestock.</li> </ul>	<p>There 52 cyclone centres in potuyakhali upazilla.</p> <p>Also there are 115 km length dam.</p> <p>Also 67.43 km high roads.</p>
Tidale sourgh	<ul style="list-style-type: none"> <li>• It ruins agricultural products.</li> <li>• It harms human resource.</li> <li>• It washes away fisheries.</li> <li>• It causes lack of safe drinking water.</li> <li>• It destroys livestock.</li> </ul>	<ul style="list-style-type: none"> <li>• There are 68 schools cum cyclone centre in golachipa.</li> </ul> <p>There are 73 high tubewell in this upazill</p>

Hazards	Vulnerabilities	Capabilities
<b>Flood</b>	<ul style="list-style-type: none"> <li>• It ruins agricultural products.</li> <li>• Graveyards go under water.</li> <li>• It harms human resource.</li> <li>• It damages infrastructure.</li> <li>• It washes away fisheries.</li> <li>• It causes lack of safe drinking water.</li> <li>• It destroys livestock.</li> <li>• It extremely endangers children, the pregnant, the disable and the old.</li> </ul>	<ul style="list-style-type: none"> <li>• There are 15 high graveyards.</li> <li>• There are 73 high tubewells</li> <li>• There are 115 km. effective dam</li> </ul>
<b>Glossary of Meteorology</b>	<ul style="list-style-type: none"> <li>• It ruins agricultural products.</li> <li>• It harms human resource.</li> <li>• It washes away fisheries.</li> <li>• It causes lack of safe drinking water.</li> <li>• It destroys livestock.</li> </ul>	<p>There 52 cyclone centres in potuyakhali upazilla. Also there are 115 km length dam. Also 67.43 km high roads.</p>

Source: Field Visit, 2014

## 2.5 Most Vulnerable Areas

Due to its geographical location, the various unions under bauphala districts, villages brought you out of the shot. Most of the agricultural and matsera janagasthi so on. Coast region urged to confront samudrika hayaya The danger is people. You out of all the places on the basis of the vulnerability are not equal under the danger area, because obipadapanna bipadapannera sankhipta population given below are:

Table 2.4. The danger area.

Hazards	Most Vulnerable Areas	Reasons of Vulnerability	Vulnerable Population
<b>Whirlwind</b>	Candradipa, keshabpur, dhuriya, nazirpur, nazirpur, kalaiya, including the entire district kachipara	River area	1,30,500 people
<b>Tidale Surgh</b>	Candradipa, keshabpur, dhuriya, nazirpur, nazirpur, kalaiya, kachipara	River area	40200 people
<b>Flood</b>	Candradipa, keshabpur, dhuriya, nazirpur, nazirpur, kalaiya, kachipara	River area	56000 people

Hazards	Most Vulnerable Areas	Reasons of Vulnerability	Vulnerable Population
Glossary of	Candradipa, keshabpur, dhuriya, nazirpur, nazirpur, kalaiya, including the entire district kachipara	Forestry needs less than	120000 people
River Erosion	Keshabpur, nazirpur, kalaiya, Dhulia,	River area	20200 people

Source: Field Visit, 2014

## 2.6 Main Development Sectors

Bauphala 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
<b>Agriculture</b>	In Golachipa upazilla, 182001 metric tons of crops are produced in total 33500 hectares of land. Meeting the local demand, Golachipa has a surplus which brought great success for the economy of this area. As a result of new initiatives in agriculture, farmers will come forward in cultivation. So in Golachipa upazilla, agriculture is considered as one of the main sectors of development plan.	In Golachipa upazilla, 50 % 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.
<b>Fisheries</b>	There are 30000 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 Golachipa 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.

<b>Main Sectors</b>	<b>Detailed Description</b>	<b>Adjustment with Disaster Risk Reduction</b>
<b>Livestock</b>	20-25 years ago, almost every family used to have cattle in Golachipa upazilla. Currently, because of lack of cow-food and pasture lands, livestock has decreased considerably. At present, there are 25 cattle farms, 20050 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.
<b>Health</b>	There are an upazilla health complex, 9 health sub-centers, an upazilla health and family welfare center and 10 community clinics. These institutions help continue the usual activities of people of Golachipa upazilla ensuring health services.	In Golachipa upazilla, many diseases bring out in disaster period. Therefore, more advancement in health service is needed to be connected with disaster risk reduction.
<b>Livelihood</b>	In Golachipa upazilla, 50 % of people are involved in agriculture (60% day-laborers, 30 % petite farmers, 15% 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 Golachipa 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 Galochipa 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.

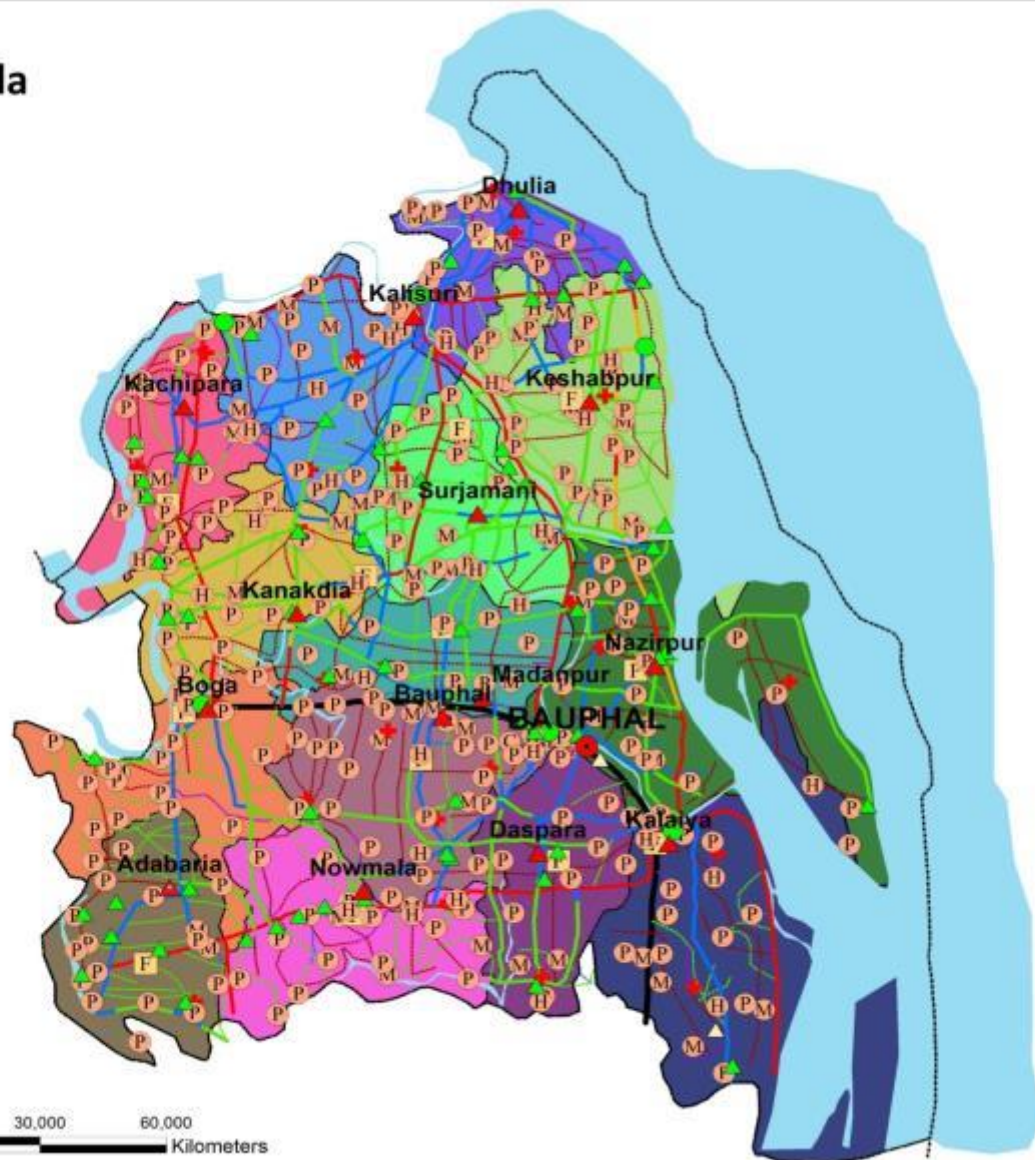
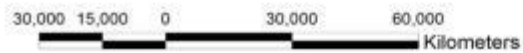
Main Sectors	Detailed Description	Adjustment with Disaster Risk Reduction
<b>Plantation</b>	Golachipa upazila has considerable reputation for mango cultivation. In this Upazila, there are many mango farms that keep this region filled with greenery. There are plenty of akashmoni, mango, rain-tree, water 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.
<b>Infrastructure</b>	In Golachipa upazilla, there are plenty of structural assets including 2 dam, 396 bridges and 135 culverts, 3605 deep tube wells and There are also 94 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 Golachipa .	When disasters like floods, droughts, river erosion and heavy rainfall happen in Golachipa 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.

*Source: Field Visit, 2014*

## 2.7 Social Map

The location of unions, villages, infrastuctures, different institutions, land use, roads, rivers, canals, wet lands, buildings, hospitals, embankments etc. are shown with legend bellow:

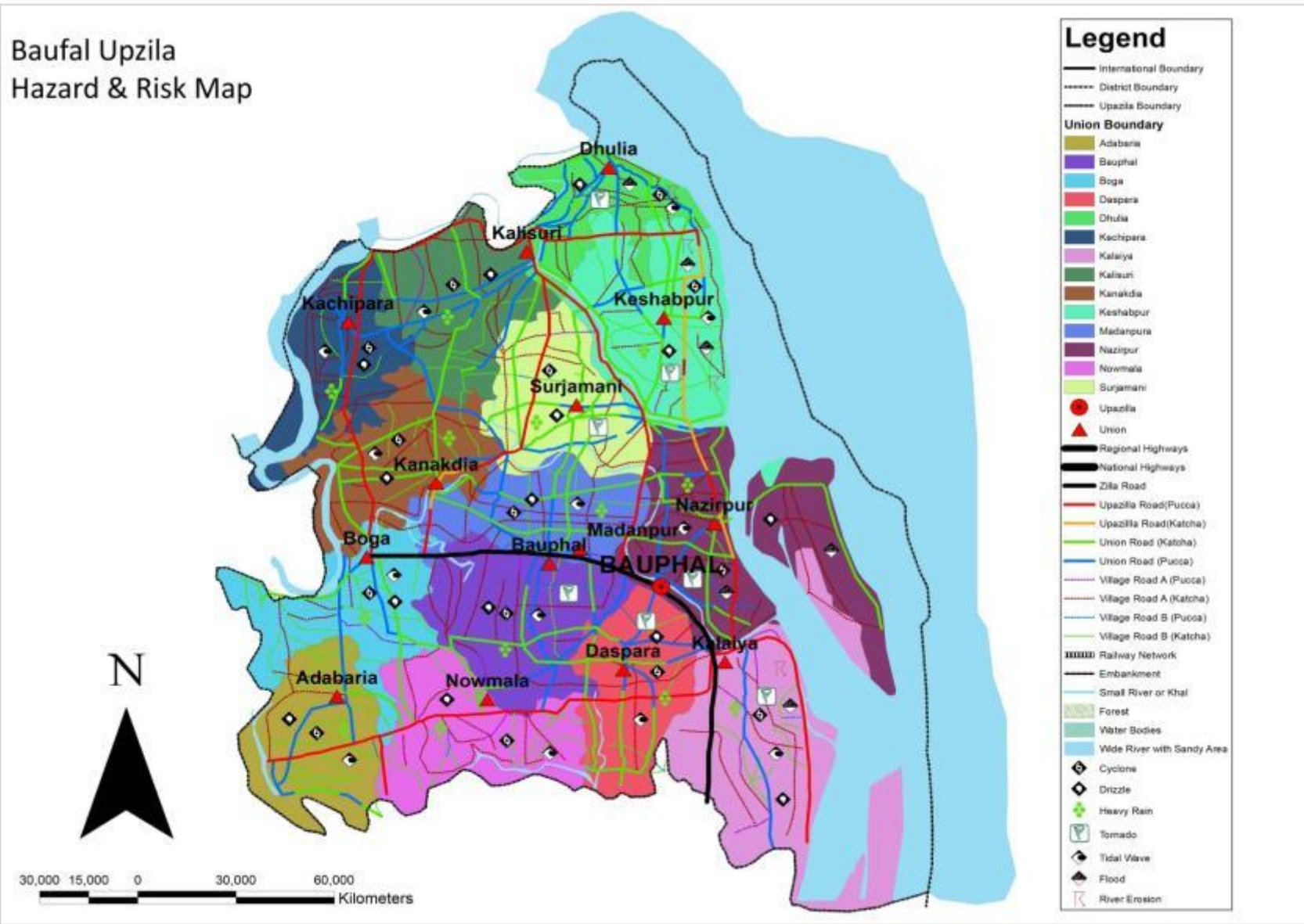
# Baufal Upzila Social Map



- ### Legend
- International Boundary
  - - - - District Boundary
  - Upazila Boundary
  - Union Boundary**
  - Adabaria
  - Bauphal
  - Boga
  - Daspara
  - Dhulia
  - Kachipara
  - Kalaiya
  - Kalkuti
  - Kanakdia
  - Keshabpur
  - Madanpur
  - Nazirpur
  - Nowmala
  - Surjamani
  - Upazila
  - ▲ Union
  - National Highways
  - Regional Highways
  - Zila Road
  - Upazila Road (Pucca)
  - Upazila 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
  - H High School
  - Growth Centre
  - P Primary School
  - F Family Welfare Centre
  - PO Post Office
  - PS Police Station
  - UH Upazila Health Complex
  - CC Community Clinic
  - M Mosque
  - C College
  - M Matress
  - Forest
  - Water Bodies
  - Small River or Khal
  - Wide River with Sandy Area



# Baufal Upzila Hazard & Risk Map



## 2.8 Hazards and Risk Map

Areas, assets and institutes that get affected by different types of hazards like flood, draught, low ground water level are identified and shown in Hazard and Risk Map.

## 2.9 Seasonal Calendar of Hazards

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												
Kaloboishak												

Source: Field Survey, 2014

## 2.10 Seasonal Calendar of Livelihood

Table: 2.7 Seasonal Calendar of Livelihood

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

Calendar storm and stress analysis Within twelve months of the year in this area apadagulo which are organized and are no more discussions with the participants aspart of the pre-CRA is known:

Source: Field Survey, 2014

## 2.11 About lives and livelihood vulnerability

Previously Featured danger / disaster to prevent and maintain a normal life. Agriculture, Fisheries, dairies and business are all less than the danger. The following table is given the life and livelihood vulnerability in relation to:

Table no.2.8: Life and livelihoods related risk

Livelyhood	Hazard/Disester						
	Cyclone	Endoscopes.	Flood	River Erosion	Nor'Wester	Irregular rainfall	Draught
Agriculture	<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"/>
Fisheries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Daily lebour	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Businessman	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		

## 2.12 Sector-wise Risks and Hazards

Each union sector and elements of danger and hazard identification and its related services, and to determine the area of the danger, and the associated risks, the list has been prepared and written. Representatives from each group of two to four people (farmers, landless, women and fishing) has been divided into. 4 members of each group with a total of 6 separate each group of unacceptable risk assessment of the risks described in the voting (voting by jipastikera) has been performing risk priority. Four groups in the light of the number of votes obtained by incorporating the highest priority risks downwards vote in order to be at risk from a risk analysis of its causes and possible ways to mitigate the risks, including the local level has been set. Preferred risks are as follows. They reported the presence of the representatives of the group have been validated by stakeholders.

Table:2.9: Sector-based danger and risk.

Hazard	Endenger elements of Social hazards									
	crops	Seed bed	livestook	Fisheries	house	roads	Brige and calvat	Eaducation al instatued	Halh	Syclon selter
Cyclone	<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"/>
Endoscopes.	<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 erosion	<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"/>
Nor'Wester	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Irregular rainfall	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Draught	<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 Survey, 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 that affect climate change are described in detail below:

Table:2.10: Climate Change and Its Possible Effect

Sectors	Description
Agriculture	Owing to climate change, a flood like 1988's may ruin the agricultural products of 10590 acres of cultivable land. River erosion may cause financial loss for 2550 families destroying sugarcane and paddy lands of 5 unions. Drought, as occurred in 2001, may ruin the agricultural products of approximately 15350 hectares and cause severe financial damage for 7307 families. As a result of climate change, a sudden attack of seasonal storm may destroy the agricultural products of 39063 hectares that consequently may create financial loss for 175984 people of 43996 households. Low rainfall may destroy agricultural products of 6978 hectares that may create a scarcity of food in Golachipa upazilla.
Fisheries	Severe drought may ruin the fish cultivation in 3720 ponds that leads to financial loss and lack of protein supply in Golachipa upazilla. 1543 cultivable ponds may get washed away by a flood as occurred in 1988. As a result, it is obvious to bring about a scarcity of food, nutrition and protein.
Plantation	As a result of climate change, a storm like 2003's may smash down many a tree in Golachipa upazilla. It is a great hamper for environmental balance. River erosion also hampers environmental balance grasping many trees into the river.
Health	A flood like 1988's may create lack of safe place for 60% pregnant women during the flood in Golachipa upazilla. It may even cause death because of vulnerable communication. Besides, different epidemics may bring out. Drought like 2001's may cause different kinds of skin diseases and other problems among 50% of the population of Golachipa upazilla.
Livelihood	Flood, drought, river erosion, heavy mist, low rainfall etc. seriously affect agriculture, fisheries, livestock and most importantly human resource. 38% people of Golachipa upazilla may become workless because of these hazards. As a result, it throws a terrible challenge towards the economic condition of Golachipa upazilla.
Water	Heavy drought and low level of water may cause a horrible scarcity of water in 5 unions of Golachipa upazilla. As a result damage of 12344 hectares of cultivable land may cause financial loss of almost 33683 families. Besides, different diseases like skin disease can spread all over and agriculture, fisheries and livestock can be severely spoiled

Sectors	Description
Infrastructure	<p>A sudden storm like 2003's may smash down 25% of structures including academic and religious institutions, which may result in unexpected disruption of education. 60% of earthen houses can be devastated by the storm that leads to suffering and economic loss for 120806 people. A flood like 1988's may damage almost 277.75 k.m. roads which may impede communication. In five unions, approximately 30 kilometers road and some schools, colleges and other structures also may be devoured by the river. 16% of earthen houses may get submerged in water leading 33684 families to be homeless and economically fallen.</p>

*Source: Field Survey, 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 Baufal 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 Baufal upazilla is in the table below:

Table 3.1: Risk Factors

f RiskDescription o	Causes		
	Immediate	Moderate	Ultimate
Baufa sub-districts, suddenly the storms Tornado paddy, ausa rice, wheat, sugarcane, mango, lychee, corn, sesame, onion, pepper, chickpeas, green plants and various species of plants, food and financial crisis could cause people to lose and the region also has the potential to influence a wide range of damages. 3480 families, 10530 people and livestock killed 10567 could suffer economically.	-Weather Messages arrive at the right time.	1. Lack of public awareness. II. Deforestation and does not have enough trees. 3. The water level down.	1. Have not the right way to save livestock accommodation. 2. Have less than Necessary forestry.
End of April to the beginning of the Glossary of Meteorology senior reduced in rice production due to the storm might get bored. Get storm wheat, corn, chickpeas, vegetables are likely to be damaged fatal. Glossary of Meteorology severe storm risk in agricultural sector in the overall.	- Lack of public awareness. -Sudden temperature increase - Due to the intense heat	1. Weather messages arrive at the right time.	1. Major deforestation Tree planting and kept no official policy
Suddenly, due to the flooding sub-districts baufal 22762	- Dam flooded	1. River bank to collapse	1. Government policies

Risk Description	Causes		
	Immediate	Moderate	Ultimate
hectares crops affected 56541 families may be economically	with water under high load	gradually reduced navigability of rivers. The dam have not Useful	Dredging through measures that are not in
Baufal sub-districts, 38 square kilometers of erosion and paddy land rabi crops may be affected by a large peasant family economy	- Water pressure - Auditory month are heavy rain	River depthless	1. The depth of the river is low and the lack of proper monitoring II. River dam monitoring and implementation committee Lack
7587 hectares of land in sub-districts baufal tidal surge crops may be affected 18847 families economically.	North West side of the blowing wind	Climate change and Drizzle	1. Plants culled II. To environmental pollution
Erosion due to erosion in 6687 houses baufal sub-districts may suffer economically	- Water pressure - Auditory month are heavy rain	River depthless	1. The depth of the river is low and the lack of proper monitoring II. River dam monitoring and implementation committee Lack
Baufal sub-districts due to floods submerged in mud homes of many families may be bleak economically affected. Tetuliya River dam was flooded housing may cause people to become homeless. The	Water have not irrigated. Excess water	Pond depthless	Given the importance of the reform of the pond

f RiskDescription o	Causes		
	Immediate	Moderate	Ultimate
1998 floods in the district semi house with mud houses may cause more damage.	pressure.		
Baufalsub-districts, 72% due to the flooding and mud homes were submerged in water, and shelter may be affected 43424 families economically.	Additional water pressure-	Down area to create homes - To create unplanned homes	1. Infrastructure by government policies that are not fair
Baufalsub-districts, 24 educational institutions due to erosion. erosion canbe disrupt 39,00student learning activities.	Heavy rain soft river bank	Decreased depth river	1. To strengthen the river bank
Baufalsub-districts due to drought, the 37694 farmer's family 15175 hectares of crops 146429people could suffer economically.	water Lack	On -plan not cultivation-	1. DTW to reform the old II. Have not set up a system of deep wells
Due to the flood affected of baufal upazilla56540 families may suffer economically.	Lack of public awareness.	Medical center shortage	1.Health sector government Lack of policy and planning
Baufalsub-districts sudden attack north-wester 120 educational institutions have been destroyed educational activities may disrupt 19500 students.	-Weather Messages arrive at the right time	-Awareness measures Have -Deaths of larger plants	1. Planting does not have the right policy

Source: Field Visit, 2014



### 3.2. Ways of Risk Reduction Identification

The possible risks and ways to mitigate the risks from the discussion of Baufal 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		
	Immediate	Moderate	Ultimate
North-westerly wind during the storm was more tin shed, fence, straw hut homes are broken and blown. During the storm, the wind, rain and mud due to the soft soil around homes is greater at high risk. Storm suddenly under attack more economically damageous mud homes have been destroyed many families are likely to be bleak. Bauphala districts suddenly struck north-wester 20233 hectares of crops affected 50259 families may be economically 195230 people.	-Weather Messages arrive at the right time.	1. Lack of public awareness. II. Deforestation and does not have enough trees. 3. The water level down.	1. Have not the right way to save livestock accommodation. 2. Have less than Necessary forestry.
Baufal sub-districts suddenly submerged in mud homes due to the flooding of many families may be bleak economically damageious. Tetuliya River dam was flooded housing may cause people to become homeless. The 1998 floods in the district semi house with mud houses may cause more damage. 22762 hectares of crops were destroyed in the 56541family may suffer economically.	- Lack of public awareness. -Sudden temperature increase - Due to the intense heat	1. Weather messages arrive at the right time.	1. Major deforestation Tree planting and kept no official policy
Baufal districts, the 38 square kilometers of erosion of the river of the land of sugarcane and rice crops may be affected by large farmers economically.	- Dam flooded with water under high load	1. River bank to collapse gradually reduced navigability of rivers. The	1. Government policies Dredging through measures that are not in

Description of risk	Possible ways of the risk reduction		
	Immediate	Moderate	Ultimate
Erosion due to erosion in 6687 houses baufal sub-districts may suffer economically.	- Water pressure - Auditory month are heavy rain	River depthless dam have not Useful	1. The depth of the river is low and the lack of proper monitoring II. River dam monitoring and implementation committee Lack
If the flood of 1998 and 2004 baufal sub-districts rice, jute, betel, vegetables, nursery, and fruit trees such as banana, papaya etc.crop irrigation equipment was down most likely crash. This could lead to food shortages and the financial crisis. 22% in due to flooding submerged in mud homes and shelter 3424 families may suffer economically.	North West side of the blowing wind	Climate change and Drizzle	1. Plants culled II. To environmental pollution
Educational riverine areas of erosion, Shops, cemeteries, and other religious institutions to erosion may be affected by the financial community, as well as 24 educational activities may be hindered. Baufalsub-districts of erosion to erosion over 39,000 students of educational institutions may disrupt educational activities.	- Water pressure - Auditory month are heavy rain	River depthless	1. The depth of the river is low and the lack of proper monitoring II. River dam monitoring and implementation committee Lack
Baufalsub-districts due to drought, 37694 the farmer's family 15175 hectares of crops 146429 people could suffer economically.	Water have not irrigated. Excess water	Pond depthless	Given the importance of the reform of the pond

Description of risk	Possible ways of the risk reduction		
	Immediate	Moderate	Ultimate
	pressure.		
End of April to the beginning of the Glossary of Meteorology senior reduced in rice production due to the storm might get bored. Get storm wheat, corn, chickpeas, vegetables are likely to be damaged fatal. Glossary of Meteorology severe storm risk in agricultural sector in the overall. Baufal sub-districts, 120 educational institutions have been destroyed by a sudden north-wester 19500 students may disrupt educational activities.	Additional water pressure-	Down area to create homes - To create unplanned homes	1. Infrastructure by government policies that are not fair

Source: Field Visit, 2014

### 3.3. NGO's Development Plan

Because of slow paced disaster in Baufal 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' Development Plan

Sl. No.	NGOs	Disaster related activity	Beneficiaries	Project duration	Sl. No.
1	Brack	Micro-credit activities, social, developmental activities, non-formal education activities	80%	5000-10000 Persons	2-5 Years
2	Asa	Micro-credit activities, social, developmental activities, non-formal education activities	60%	5000-10000 Persons	2-5 Years
3	Proshika	Micro-credit activities, social, developmental activities, non-formal education activities	45%	5000-10000 Persons	2-5 Years
4	Projukti pat	Micro-credit activities, social, developmental activities, non-formal education activities	32%	500 Persons	2-5 Years
5	Grameen shokti	Micro-credit activities, social, developmental activities	65%	5000-10000 Persons	2-5 Years

Sl. No.	NGOs	Disaster related activity	Beneficiaries	Project duration	Sl. No.
6	CCDP	Micro-credit activities, non-formal education activities	62%	500 Persons	2-5 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

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
River Dredging	12 km.	10-12 crores	North-west of Mill River Canal within 5 naptani adabariya Union Canal, Canal Kabir khali, atosakhali	January-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.	10-12 crores	Tetuliya, factories, low-lying areas of the river dasapara Union No. 1, No. 02, No. 4, No. 5, No. 7 and No. 8 Ward factory by the river.	January-April	35	01	25	25	

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
Deep Tubewells	30 deep tubewells (220-250 feet deep)	5-6 lakhs	Each ward of the Union	Anytime of the year	60	1	10	30	
Agricultural Training	3 day training for ward wise groups each containing 30 members	2-3 lakhs	Upazilla Agriculture Office	November-January	60	01	10	30	
Proper Continuity of Weather Report	Public awareness through UP members	5-6 lakhs	Each ward of the Union	April- May	40	5	15	40	
Public Involvement in Disaster report explanation	3 day training for ward wise groups each containing 20 members	30-35 lakhs	Each ward of the Union	August-September	20	01	60	20	
Preserving Water by Digging ponds	20 feet deep (presently 10 feet)	50-60 lakhs	Each ward of the Union	March-April	15	05	20	60	

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
Employment for the Disabled	Raising self-reliance of the disabled	15-20 lakhs	Each ward of the Union	Anytime of the year	19	01	70	10	
Mass Awareness through Govt. Policy	3 day training for ward wise groups each containing 30 members	20-25 lakhs	Each ward of the Union	January-February	35	5	25	35	

Source: Field Visit, 2014

### 3.4.2 During disaster preparation

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

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
Emergency Operation Center (EOC) opened	1	Expenses will be	Upazila Parishad	Emergency moment	35	5	30	30	The operations will make the people in the area aware and enthusiastic to take pre-disaster preparation
Promoting disaster	Regular (daily /	determined in	Union	D0	35	5	30	30	

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
warning	msec)	accordance	long						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.
Is likely to exceed the limits of the closest upstream river water hazards or emergency meeting held immediately after the storm to forecast and to promote the message.	According to the situation	with detailed plans	All Union district ward ward	D0	35	5	30	30	
Shelters to be used	8 teams (6 of UP and paurah)		D0	D0	35	5	30	30	
Victims rescued and taken to shelters or health centers	According to the population in the affected areas		D0	D0	35	5	30	30	
Medical services to ensure	D0		D0	D0	35	5	30	30	

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
Initial relief distribution	D0		D0	D0	35	5	30	30	
Get alerts on the dangers of children, the elderly, disabled, pregnant and pregnant women to the nearest safe place or shelter	D0		D0	D0	35	5	30	30	
Elevated position to birds and livestock, food, medicines stocked	D0		D0	D0	35	5	30	30	
Emergency food supply, be sure	D0		D0	D0	35	5	30	30	
To ensure safe drinking water	D0		D0	D0	35	5	30	30	
Health to ensure sanitation	D0		D0	D0	35	5	30	30	
Alobati and fuel supplies	D0		D0	D0	35	5	30	30	
Agriculture and	D0		D0	D0	35	5	30	30	



Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
employment									
Accommodation repaired	D0		D0	D0	35	5	30	30	
Baby food hoarding, salt, edible oil, matches and kerosene oil stored	D0			D0	35	5	30	30	
Loose in the oven and dry chalk reserves	D0		D0	D0	35	5	30	30	
Building materials stored in saline	D0		D0	D0	35	5	30	30	
Built and repaired boats, raft made	D0		D0	D0	35	5	30	30	
Room fences and poles fitted / repaired and elevated platform	D0		D0	D0	35	5	30	30	
Rubber tubes per 1 / buoy to collect	D0		D0	D0	35	5	30	30	
Tube heads off to save	D0		D0	D0	35	5	30	30	

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
and open a separate face should be tied with polythene									
Thanks Paddy, pulses, matches, water, phitakari, sugar, saline Murray buried in polythene	D0		D0	D0	35	5	30	30	
If seasoned coconut coconut trees dubbed and pinned it to the ground or buried water filled the mouth with thick polythene kalasite buried it should be better off	D0		D0	D0	35	5	30	30	
Poultry cage filled with high density of trees (the tree is likely to collapse or above) will be tied to	D0		D0	D0	35	5	30	30	
Long, thick, strong rope	D0		D0	D0	35	5	30	30	

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
<p>tied to a tree a few gacha tough to keep</p>									
<p>Trawlers and boats in great danger signal gets drowned in a pond near a sandbar or tied up with rope / boat will be filled in the soil</p>	D0		D0	D0	35	5	30	30	
<p>Great danger signal when the radio / television news to hear the commandments and remain 15 minutes after</p>	D0		D0	D0	35	5	30	30	
<p>Keeping plants tangled in fishing nets or pond drowned tough guy</p>	D0		D0	D0	35	5	30	30	
<p>During floods the house, not resisting nor 'westerly storm, before she left the house to the ground, with something</p>	D0		D0	D0	35	5	30	30	

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
heavy on the roofs of houses and fences open to subordinated									
Murray documents and lots of money tied up with the body and buried it to the family members or	D0		D0	D0	35	5	30	30	

Source: Field Visit, 2014

### 3.4.3 Post Disaster Preparation

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

Activities	Target Level	Budget Possible	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
Debris Cleaning	According to the amount of the population	The amount of damage and	UP, municipalities	Disaster at the next	40	0	30	30	The operations will make the people in the area aware and

Activities	Target Level	Budget Possible	Location	Possible Date	Possible Date				Who & How Far
	in the affected areas and	cost will be determined in accordance with detailed plans		instant					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	Do		UP, municipalities	Do	40	0	30	30	
Re-construction of academic institutions	Do		UP, municipalities	Do	40	0	30	30	
Irrigation system	Do		UP, municipalities	Do	40	0	30	30	
Housing management	Do		UP, municipalities	Do	40	0	30	30	
Relief activity	Do		UP, municipalities	Do	40	0	30	30	
Debris Cleaning	Do		UP, municipalities	Do	40	0	30	30	
Road construction and repairing	Do		UP, municipalities	Do	40	0	30	30	
Re-construction of academic institutions	Do		UP, municipalities	Do	40	0	30	30	

Activities	Target Level	Budget Possible	Location	Possible Date	Possible Date				Who & How Far
Irrigation system	Do		UP, municipalities	Do	40	0	30	30	
Housing management	Do		UP, municipalities	Do	40	0	30	30	

Source: Field Visit, 2014

### 3.4.4 Preparation for Normal Period

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

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
					% Upazilla	Community %	UP%	NGO%	
Setting dams	Protection of crops from flood	21-22 Milliom BDT	Tetuliya River, Mill River, the river water flooded river region okharasrota lohaliya.	January - April	35	15	25	25	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.
Establishing shelter house	Safety of lives from disasters	28-29 Milliom BDT	Every Union	September-April	45	10	10	35	
Deep tubewells	Water supply in dry seasons	50-60 Lack	14 Union	September-April	40	10	10	40	

Activities	Target Level	Possible Budget	Location	Possible Date	Possible Date				Who & How Far
Plantation	Environmental Balance	20-25 Lack	14 Union	July-September	20	10	50	20	
Repairing houses	Safety of lives and assets from disasters	2 Milliom and 50 Lack BDT	14 Union	September-April	15	30	10	45	
Raising awareness	Environmental Balance	15-20 Lack	14 Union	Entire year	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

SL No	Name	Designation	Mobile No
01	A.B.M. Sadiqur Rahaman	President	01712125771
02	S.M. Dalour Hossain	Secretary	01720548060
03	Mosaraf Hossen Khan	Member	01725771256
04	Rahana Bagum	Member	01748211984
05	Manaour Hossen	Member	01716210586
06	Dr.Md. Habibur Rahaman	Member	01717756859
07	Md. Lutfar Rahaman	Member	01712310058
08	Md. Mahabubul Alam Talukdar	Member	01712146629
09	Abani Mohan	Member	01716512919
10	Md. Mosaraf Hossen	Member	01818269099
11	Md. Mojibur Rahaman	Member	01753464569
12	Afrza Sultana	Member	01742256307
13	Md. Kamrul Hasan Mia	Member	01712158791
14	Nores Chandra Karmokar	Member	01713374319
15	Md. Mahabub Hasan	Member	01717505605
16	Md. Yeusuf Ali	Member	01718771558
17	Abdus Sobhan	Member	01718721023

*Source: Upazilla Parishad, Baufal, Patuakhali*

##### 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/ control room upazilla are to be in charge of. Three groups each containing three volunteers are to guide the control room alternatively for 24 hours.
- Constant communication with divisional/ Zilla Sadar is to be maintained.
- There must be a register in the control room. In any schedule persons acting, data and information received by and sent to any persons in any specific time are to be written specifically in that register.
- Positions of zilla/ upazillas, roads, canals, dams are to be marked on a map hung on the wall that it may help in identifying the most damaged areas at post of control room so-disaster period.
- For the sake of control room activities, it is important to preserve radio, 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 Medicine	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, Family welfare assistant	Through Emergency Control Room	UzDMC

Sl. no	Activity	Target level	When	Who	Who to Help	How	Contact
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 Baufal Upazilla

Table 4.3: List of area safe places of Baufal Upazilla

Shelters	Name	Union	Capacity	Comment
Flood / Tornado Storm Shelters	Baufal cyclone center adjacent to the college.	Baufal	1000	---
	Dhanadi cyclone center.	Nazirpur	1000	--
	Kalaiya cyclone center.	Kalaiya	1000	--
	Saula cyclone center.	Kalaiya	1000	--
School Cum-Shelter	Raysaheb Registration cum cyclone centers	Nazirpur	1000	--
	Dhanadi cum cyclone centers	Nazirpur	1000	--
	Purba Madanpur Registration cum cyclone centers	Madanapur	500	--
	Amirabad cum cyclone centers	Kanakadiya	1000	--
	Madanapura cum cyclone centers	Madanapur	1000	--
	Bamsabariya kayana cum cyclone centers	Baufal	1000	--
	Amirabad cum cyclone centers	Baufal	1000	--
	Bilabilasa cum cyclone centers	Baufal	1000	--
	Hosanabada cum cyclone centers	Daspara	500	--
	Purba Khatbaria cum cyclone centers	Kalayia	1000	--
	Kapubakathi Cyclone Centre Islamic	Kalayia	1000	--
	Kapubakathi Cyclone Centre Islamic	Baga	1000	--
Baga adarsarejih cum cyclone centers	Baga	1000	--	

Shelters	Name	Union	Capacity	Comment
	Sabupura registration cum cyclone centers	Keshebpur	1000	--
	Manipur registration cum cyclone centers	Keshebpur	1000	--
	Maminapura registration cyclone Shelter	Kachipur	1000	--
	Prosecution registration bih cum cyclone centers	Dhulia	1000	--
	Dhuriya cum cyclone centers	Baufal municipalities	1000	--
	Bauphala salehiya Fazil Madrasa-cum-cyclone center	Suryamani	1000	--
	Senior Madrasa-cum-cyclone center nurainapura	Baufal	500	--
	Senior Madrasa-cum-cyclone center bilabilasa	Kalayia	1000	--
	Senior Madrasa-cum-cyclone center rabbaniya	Nazirpur	1000	--
	Taterakathi dakila madrasa-cum-cyclone center	Adhabaria	1000	--
	Senior Madrasa-cum-cyclone center mahasraddhi	Kachipara	1000	--
	Kachipara cum cyclone centers	Kachipara	1000	--
	Hisyajata kachipara cum cyclone centers	Kachipara	1000	--
	Chatrakanda cum cyclone centers	Kachipara	1000	--
	Shahid Jalal cum cyclone centers	Kachipara	1000	--
	Anarasiya cum cyclone centers	Kalisuri	1000	--
	Kalisuri cum cyclone centers	Kalisuri	500	--
	Dhalapara cum cyclone centers	Kalisuri	1000	--
	Rajapur board bih cum cyclone centers	Kalisuri	1000	--
	Kabirakathi cum cyclone centers	Kalisuri	1000	--
Tornado Storm Shelters	Bauphala cyclone center adjacent to the college.	Baufal	10000-15000	--
	Dhanadi cyclone center.		10000-15000	--
	Kalaiya cyclone center.	Kalayia	10000-15000	--

Shelters	Name	Union	Capacity	Comment
	Saula cyclone center.		10000-15000	--
	Bauphala cyclone center adjacent to the college.	Baufal	10000-15000	--
Government/ Non-Government Organization	Baufal Upazilla Office	Baufal Upazilla Parishad	3000-10000	--
	Upazilla Livestock Officer	Baufal Upazilla Parishad	1100-1200	--
	Upazilla Education Officer	Baufal Upazilla Parishad	1100-1200	--
	Upazilla Agriculture Office	Baufal Upazilla Parishad	1100-1200	--
UP Bhavan	Adabaria UP	Adabaria	150-200 Persons	-- --
	Baufal UP	Baufal	150-200 Persons	-- --
	Daspara UP	Daspara	150-200 Persons	-- --
	Kalaiya UP	Kalayia	150-200 Persons	-- --
	Naomala UP	Naomala	150-200 Persons	-- --
	Madanpur UP	Madanpur	150-200 Persons	-- --
	Baga UP	Baga	150-200 Persons	--
	Kanakdiya UP	Kanakdia	150-200 Persons	
	Surymani UP	Suryamani	150-200 Persons	
	Keshabpur UP	Keshabpur	150-200 Persons	
	Dhulia UP	Dhulia	150-200 Persons	
	Kalisuri UP	Kalisuri	150-200 Persons	
	Kachipara UP	Kachipara	150-200 Persons	
Nazirpur UP	Nazirpur	150-200 Persons		
<b>High Embankment</b>	Head Quarter in the center of the road baufal kalisuri	Baufal	35-40 Thousand	--

Shelters	Name	Union	Capacity	Comment
	composition.		Persons	
	Baga composition Centre (sapalakhali road) to the center of the composition kalisuri surajamani kanakandara the composition of which is the center of the road.	Baga	10000-15000	--
	Spies out from center to center in composition composition maminapur kalisuri road texture center.	Kalisuri	10000-15000	--
	The composition of the center of which appeared in UP kalaiya naomala Patuakhali District Head Quarter Road (baufal part) until	Kalayia	10000-15000	--
	Dhulia market becomes jamalakathi up Dhulia UP	Dhulia	10000-20000	--
Embankment	The Union has become a nasty kalaiya purbasaula 10 km dam Sandeep.	Kalayia	35-40 Thousand Persons	--
	Up to 13 km from kathi damanikathi damani dam sannyasi was crying.	Baufal	35-40 Thousand Persons	--
	09 km far from the Dam Baga bridge sannyasi crying	Baufal	35-40 Thousand Persons	--

source: Field visit, 2014



## 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.

Table 4.4: List of Upazilla Shelter

Shelter	Name	Responsible Person	Mobile	Comment
Cyclon Shelters	Baufal cyclone center adjacent to the college.	Mohammad Zia ul Haq	01727194653	
	Dhanadi cyclone center.	Faruk Ibrahima.	01716374558	
	Kalaiya cyclone center.	SM Faisal Ahmed	01714294573	
	Saula cyclone center.	SM Faisal Ahmed	01714294573	
School Cum-Shelter	Raysaheb Registration cum cyclone centers	Koli Akter	01734178014	
	Dhanadi cum cyclone centers	Samir Chandra Chakraborty.	01725439262	
	Purba Madanpur Registration cum cyclone centers	Mrs. Kamrun.	01729778622	
	Amirabad cum cyclone centers	Harihara Chandra Roy.	01745397307	
	Madanapura cum cyclone centers	Md. Rafiqul Islam	01734247563	
	Bamsabariya kayana cum cyclone centers	Mrs. Nasrin	01718487655	
	Amirabad cum cyclone centers	Sarmin Khanam	01716437130	
	Bilabilasa cum cyclone centers	Siren Akter Jahan	01724124165	
	Hosanabada cum cyclone centers	Md. Salim	01716032237	
	Purba Khatbaria cum cyclone centers	Md. Iqbal Kabir	01719992661	
Kapubakathi	G.M. Shaidul	01724873758		

Shelter	Name	Responsible Person	Mobile	Comment
	Cyclone Centre Islamic			
	Kapubakathi Cyclone Centre Islamic	Dipoa Kumer Nag	01918703973	
	Baga adarsarejih cum cyclone centers	Md. Dalour Hossen	01715911348	
	Sabupura registration cum cyclone centers	Goutam Chandra Mondal	01721188411	
	Manipur registration cum cyclone centers	Md. Nazir Uddin	01734041122	
	Maminapura registration cyclone Shelter	Md. Samsul Haqu	01715538952	
	Prosecution registration bih cum cyclone centers	Md. Sakendar Ali	01723399611	
	Dhuriya cum cyclone centers	Israt Jahan	01728094146	
	Bauphala salehiya Fazil Madrasa-cum-cyclone center	Hasina Bagum	01721800347	
	Senior Madrasa-cum-cyclone center nurainapura	Ashit Ranian Sarker	01716806698	
	Senior Madrasa-cum-cyclone center bilabilasa	Mrs. Maksuda Bagum	01735291880	
	Senior Madrasa-cum-cyclone center rabbaniya	Mrs. Kohinor Bagum	0174668457	
	Taterakathi dakila madrasa-cum-cyclone center	Rabeya Khatun	01725728656	
	Senior Madrasa-cum-cyclone center mahasraddhi	Uttam Chandra Samadar	01715155967	
	Kachipara cum cyclone centers	F.M. Mamun Hossen	01745209237	
	Hisyajata kachipara cum cyclone centers	Mrs. Alia Bagum	01715854188	
	Chatrakanda cum cyclone centers	Koli Akter	01734178014	
	Shahid Jalal cum cyclone centers	Samir Chandra Chakraborty.	01725439162	

Shelter	Name	Responsible Person	Mobile	Comment
	Anarasiya cum cyclone centers	Mrs. Kamrun.	01729778622	
	Kalisuri cum cyclone centers	Harihara Chandra Roy.	01745397307	
	Dhalapara cum cyclone centers	Md. Rafiqul Islam	01734247563	
<b>Embankment</b>	The Union has become a nasty kalaiya purbasaula 10 km dam Sandeep.	S.M. Dalour Hossein	01720548060	
	Up to 13 km from kathi damanikathi damani dam sanniyasi was crying.	S.M. Dalour Hossein	01720548060	
	09 km far from the Dam Baga bridge sanniyasi crying	S.M. Dalour Hossein	01720548060	
<b>High Embankment</b>	Head Quarter in the center of the road baufal kalisuri composition.	A.N.M. Jahangir Hossen	01711142808	
	Baga composition Centre (sapalakhali road) to the center of the composition kalisuri surajamani kanakandara the composition of which is the center of the road.	Md. Rafiqul Hasan Khan	01716089569	
	Spies out from center to center in composition composition maminapur kalisuri road texture center.	Md. Gulam Mostafa	01718669162	
	The composition of the center of which appeared in UP kalaiya naomala Patuakhali District Head Quarter Road (baufal part) until	Md. Ibrahim Faruk	01716374558	

Shelter	Name	Responsible Person	Mobile	Comment
	Dhulia market becomes jamalakathi up Dhulia UP	Samsul Hauq Fakir	01914653659	

source: Field visit, 2014

## 4.5 List of Upazilla resources (During Disaster time)

Table 4.5: List of Resources of Upazilla

Infrastructure / resources	Number	Responsible Person	Short Description
Shelter	2	PIO	As the head of all the camps PIO.
Storage	10	Upazilla Chairman	Used to goods reserve
Boat	720	Union Chairman	Upazilla has their no own boat
Mound Shelter	-	-	---
Transport	02	Upazilla Chairman and PIO	Used to own
Speed Boat	01	UNO	At present not active

source: Field visit, 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 lakes taka per year directly to UP.

### Income of Parishad

There must be a deposit for every Union Prishad.

- (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 and 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: List of Plan Follow-up Committee

Sl. No	Name	Designation	Mobile
1	Alhaz Ing. Md. Mojibur Rahaman	Chairman	01715 0055861
2	S.M.Dalour Hossin	Secretary	01720 548060
3	Md. Dalour Hossen	Member	01731 408768
4	Md. Samsul Alam Mia	Member	01716 382415
5	Mrs. Rubya Bagum	Member	01732 357656

*Source: Upazilla Parishad, Baufal, Patuakhali*

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

### **Plan Implementation and Management Committee**

#### 7-Member Plan Implementation and Management Committee

1. Chairman
2. Secretary
3. Female Member
4. Govt. Representative
5. NGO Representative
6. 2 Members (from general committee)

Table 4.7: List of Plan Implementation and Management Committee

Sl. No	Name	Designation	Mobile
1	Alhaz Ing. Md. Mojibur Rahaman	Chairman	01715 0055861
2	S.M.Dalour Hossin	Secretary	01720 548060
3	Mrs. Rubya Bagum	Mohila Member	01732 357656
4	Monour Hossen	Service holder	01716 210586
5	Md. Dalour Hossen	NGO	01731 408768
6	Md. Kamrul Hasan Mia	Member	01712 158791
7	Md. Samsul Alam Mia	Member	01716 382415

*Source: Upazilla Parishad, Baufal, Patuakhali*

#### **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	Flood-like climate change in 1988, when the sub-district baufal 22762 hectares of arable land under crops can be a huge number of people could be in danger. 6 to 35 square kilometers of land due to erosion union crops can be affected by many of the family economy. Like 2001 of the 15175 hectares of crops could be fierce drought, many families suffer economically. Glossary of Meteorology climate change sub-districts baufal sudden attack of 20233 hectares of crops may be affected by many people economically. 20233 hectares of land in crop losses due to drought, causing crop districts, food shortages may occur. Heavy mist including the Mango (buds due to the storm) 3525 hectare orchard and other crops could be lost.
Fisheries	Tidale Surgh baufal sub-districts and financial loss due to flooding in 4776 may be in the fish farming ponds. This may be causing the lack of meat. In 1988, the 3473 floods in the sub-districts baufal Fish Ponds can be flooded and washed away. The food, nutrition and protein deficiency can occur.
Plantation	In 2003 sub-districts, like climate change baufal storm collapsed the plants may be abundant. Protect the environmental balance could be upset. The most abundant vegetation in the river due to erosion caused unions may be 5. This may disrupt the balance of the environment.
Health	Approximately 60% of the fires, like sub-districts baufal 1988 pregnant women at delivery during flood left and killed them because they threatened to communication. The outbreak of water borne diseases can occur. If the drought in 2001 sub-districts, about 50% of the public baufal skin may occur. Moreover, due to drought workless health may occur in different ways.
Livelihood	Districts baufal climate change, floods, droughts, river erosion, heavy mist, drought, etc.if you out to organize disaster agriculture resource result, fisheries resource and a tremendous impact on the livelihoods of people's lives, including loss of livestock. All you out at 38% of people under the baufal workless can become. This may be caused by the severity of the economy baufal Upazilla.
Water	Effects of climate change, drought and groundwater sub-districts, 10 union water level due to lack of water may occur. 22762 hectares of crops may be lost as a result, many families may be economically damaging rift. Including the severity of the disease can spread to the skin and agriculture resource, fisheries resource and livestock may be affected.



Infrastructure	If climate change suddenly about 5% of 2003, including educational and religious institutions may experience losses and other infrastructure, which may disrupt the education system. 60% of the number of mud homes have been destroyed by the storm affected the economy may be bleak with. In 1988, about 329.75 km beyond the flood can damage and may be impassable. Which may impede communication. Approximately 70 km of erosion 6 union roads, schools, colleges and other infrastructure can be erosion. In addition, 16% of the mud homes, including many families are affected by the economic might be bleak.
----------------	--

*Source: UzDMC, 2014*

## 5.2 Rapid/ advance recovery

### 5.2.1 Administrative re-establishment

Table 5.2: Administrative re-establishment

Sl. No.	Name	Title	Mobile
1	A.B.M. Sadiqur Rahaman	President	01712 125771
2	S.M.Dalour hossin	Secretary	01720 548060
3	Rahana Bagum	Member	01748 211984
4	Noares Chandra Karmokar	Member	01713 374319
5	Md. Jashim Uddin Khan	Member	01721 690014
6	Ab. rahaman Mia	Member	01732 780208

*Source: UzDMC, 2014*

### 5.2.1 Garbage cleaning

Table 5.3: Garbage cleaning

Sl. No.	Name	Title	Mobile
1	A.B.M. Sadiqur Rahaman	President	01712 125771
2	S.M.Dalour hossin	Secretary	01720 548060
3	Abdus Shoban	Member	01718 721023
4	Rahana Bagum	Mohila Member	01748 211984
5	Monoar Hossen	Member	01716 210586
6	Md. Jashim Uddin Khan	Member	01721 690014

*Source: UzDMC, 2014*

### 5.2.3 Resumption of public services

Table 5.4: Resumption of public services

Sl. No.	Name	Title	Mobile
1	A.B.M. Sadiqur Rahaman	President	01712 125771
2	S.M.Dalour hossin	Secretary	01720 548060
3	Dr.Md. Habibur Rahaman	Member	01717 756859
4	Md. Kamal Uddin	Member	01731 760081

5	Monoar Hossen	Member	01716 210586
6	Samsul Hauq Fakir	Member	01914 653659

*Source: UzDMC, 2014*

## 5.2.4 Emergency Livelihood Assistance

Table 5.5: Emergency Livelihood Assistance

Sl. No.	Name	Title	Mobile
1	A.B.M. Sadiqur Rahaman	President	01712 125771
2	S.M.Dalour hossin	Secretary	01720 548060
3	Afroza Sultana	Mohila Member	01422 56307
4	Abani Mohan	Member	01716 512919
5	Dr. Md. Habibur Rahaman	Member	01717 756859
6	Ab. Jobber Mridha	Member	01712 396566

*Source: UzDMC, 2014*

## Annex 1

### Plan Implementation Checklist of Hazard Period

#### 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	Yes
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 15<sup>th</sup> 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	√
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 equipments for each shelter	√
7	If there is selected village doctor for each shelter	√
8	If there is tube well 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

## Upazilla Disaster Management Committee

Sl. no	Name	Designation	Member	Mobile
1	A.B.M. Sadiqur Rahaman	Upazilla Chairman	Chairperson	01715005861
2	A, B, M, sadikura Baby	Chief Executive Officer	Co-Chairperson	01712125771
3	Mosarapha Hossain Khan	Vice Chairman	Member	01725771256
4	Rehana Begum	Female Vice Chairman	Member	01748211984
5	Mohammad Zia ul Haq	Mayor, Township	Member	01727194653
6	Notice Hossain	Agriculture Officer	Member	01716210586
7	Md Lutfur Rahman	Education Officer	Member	01712310058
8	Mohammad Alam Talukder mahabubala	Fisheries Officer	Member	01712146629
9	Mohammad Kamrul Ahsan	Cooperative Officer	Member	01712158791
10	Md Mujibur Rahman	Youth Development Officer	Member	01753464569
11	Abani Mohan	Food Control Officer	Member	01716512919
12	Abdus Sobhan	Public Health Engineering Officer	Member	01718721023
13	Md Mosharraf Hossain	Rural Development Officer	Member	01818269099
14	Ali ibn Abbas	BMW engineers	Member	01718121642
15	Naresh Chandra Karmakar	OC (bauphala PS)	Member	01713374319
16	Dr. Mohammad Habibur Rahman	Animal Resources Officer	Member	01717756859
17	Md Mahbub Hasan	Family Planning Officer	Member	01717505605
18	Aapharoja Sultana	Women Affairs Officer	Member	0142256307
19	A, B, M, sadikura Baby	Assistant Commissioner (Land)	Member	01712125771
20	ANM Jahangir Hossain	Chairman, Union Parishad hunt dasapara	Member	01711142808
21	Md Rafiqul Hasan Khan	Chairman, Union Parishad	Member	01716089569
22	Md Golam mastapha	Chairman, Union Parishad madanapura	Member	01718669162
23	Ibarrahima Mohammad Farooq	Chairman, Union Parishad nazirpur	Member	01716374558
24	Shamsul Haque Fakir	Chairman, Union Parishad adabariya	Member	01914653659
25	AS Jabbar Mridha	Chairman, Union	Member	01712396566

Sl. no	Name	Designation	Member	Mobile
		Parishad		
26	Md Mizanur Rahman	Chairman, Union Parishad	Member	01740843064
27	Md Anwar Hossain	Chairman, Union Council 05 No. suryyamani	Member	01711454586
28	Mohammad Jasim Uddin Khan	Chairman, Union Parishad bauphala	Member	01721690014
29	Oh Baby Mia	Chairman, Union Parishad	Member	01732780208
30	SM Faisal Ahmed	Chairman, Union Council 10 No. kalaiya	Member	01714294573
31	Ahmed Mostafa Zaman	Chairman, Union Parishad	Member	01711185429
32	Mohammad kamalahosena	Chairman, Union Parishad	Member	01712154110
33	Talukder Md tasalima	Chairman, Union Parishad	Member	01715129042
34	Abul Hossain	Chairman, Union Council No. 6 kanakadiya	Member	01732030144
35	Mohammad Yusuf Ali	Upazilla academic supervisor	Member	01718771558
36	Mohammad Kamal Uddin	Upazila Ansar VDP officer	Member	01731760081
37	Md Rafiqul Islam	Principal, baufal Degree College	Member	01712618583
38	Mohammad Delwar Hossain	Program Officer Globe Bangladesh	Member	01731408768
39	Rina Ghosh	Manager sprida Trust	Member	01720510430
40	Dev Prasad Majumder	Manager of Brac	Member	01729071620
41	Rina Begum	Saved 1,2,3	Member	01756292188
42	Samachunnahara Majumder	4,5,6 saved	Member	01741117775
43	Ishrat Jahan	7,8,9 saved	Member	01736863655
44	SM Delwar Hossain	Upazila Project Implementation Officer	Secretary	01720548060

Source: UzDMC, 2014

**Annex 3**

List of Union volunteers

Sl. no.	Name	Father/ Husband	no Word	Training
1	Mr. Kholilour Rahaman	Dasapara	No	01710860350
2	Md Kamrul Hasan (Shamim)	Dasapara, No.	No	01722446141
3	Md. Ashraf Ali Chowdhury	Khajurabariya 3 No.	No	01722123800
4	Abdus Salam	Khajurabariya 4 No.	No	01735694826
5	Altaf Hossain pyada	Khajurabariya 5 No.	No	01715635964
6	Md. Hanif	Khajurabariya 6 No.	No	01718518046
7	Md. Harun Howlader	Bahiradasapara 7	No	01716097679
8	Md. Sultan Gazi	Bahiradasapara 8 No.	No	01824424361
9	Md. Ullah saint	Caraalagi 9 No.	No	01736165109
10	Maryam	No. 123 dasapara	No	01922465571
11	Mohammad Zakir Hossain	Adabaria Union	No	01719780890
12	Md Islam Rubel Forkan	Adabaria Union	No	01713954781
13	Md Shamsul Haque Gazi	Adabaria Union	No	01742786556
14	Md. Moslem faith	Adabaria Union	No	01936112753
15	Md. mataleba Hung	Adabaria Union	No	01751037449
16	Mullah Mohammad Siddique	Adabaria Union	No	01765061912
17	Mohammad Ali Islam Rubel ephraja	Adabaria Union	No	01783304817
18	Nazrul Islam	Adabaria Union	No	01765061996
19	Mohjalala Sikder	Adabaria Union	No	01721190701
20	Mosah rokasana Meters	Adabaria Union	No	01778647242
21	Md Habibur Rahman	Word No.1 Baufal	No	01735165567
22	Md Rahman Anu	Word No.2 Baufal	No	01711221128
23	Md Razzak Molla	Word No.3 Baufal	No	01713957149
24	Md. Sanu	Word No.4 Baufal	No	01732308060
25	Md. Malik	Word No.5 Baufal	No	01736743292
26	Md. Jalal	Word No.6 Baufal	No	01719765273
27	Md. Shaidul Islam	Word No.7 Baufal	No	01926184524
28	Md. Mujibur Rahaman	Word No.8 Baufal	No	01720035039
29	Md. Sohrab Hossain	Word No.9 Baufal	No	01720588110
30	Mosa. Aphida Bagum	Word No.1,2,3 Baufal	No	01750219409
31	Mosa: Noorjahan Begum	Word No.4,5,6 Baufal	No	01722543153
32	Mosa: Aleya Begum	Word No.7,8,9 Baufal	No	01752174810
33	Mr. phakarula Islam	Kaliya Union Word No. 1	No	01711000-448
34	Hung Mr. Md. Feroze	Kaliya Union Word No. 2	No	01713-951 492
35	Mr. Md. Ali	Kaliya Union Word No. 3	No	01716 176 393

36	Mr. Nuru Mullah	Kaliya Union Word No. 4	No	01735 267 574
37	Mr. Nazrul Islam	Kaliya Union Word No. 5	No	01735459288
38	Mr. Nurul Islam	Word No. 6	No	01716 057 184
39	Mr. Soharab Hossen	Word No. 7	No	01720 622 999
40	Mr. Md. Abul Hossen Khan	Word No. 8	No	01747066208
41	Mr. Sekander Khan	Word No. 9	No	01742078494
42	Mrs. Begum morseda	Word No. 1,2,3	No	01734850149
43	Mrs. Begum nachima	Word No. 4,5,6	No	01760056161
44	Mrs. Neha khayaruna	Word No. 7,8,9	No	01728631495
45	Ahsan Habib wishlist	Word No.1 Nozipur Union	No	01712546271
46	Phaku Ahmed	Word No. 2	No	01718728707
47	Rubles Talukder	Word No. 3	No	01721135401
48	Ali Ahmed	Word No. 4	No	01757646200
49	Mullah Latif	Word No. 5	No	01816550209
50	AS Razzak	Word No. 6	No	01751642088
51	Monir Hossain	Word No. 7	No	01735538512
52	Md Habibur Rahman	Word No. 8	No	01713869474
53	Babul bepyari	Word No. 9	No	01718847853
54	Buds Meters	Word No.1,2,3	No	01726909280
55	Nagica Begum	Word No.4,5,6	No	017124076045
56	Mahinura Begum	Word No.7,8,9	No	01721344818
57	Hung Aziz AS	Word No. 1 Modanpur Union	No	01719879007
58	Altaf Hossain	Word No. 2	No	01813857968
59	Dr Mohammad Abu Hanif	Word No. 3	No	01710406037
60	Ghazi Abdul Latif	Word No. 4	No	01735459573
61	Md. Yeunus Mridha	Word No. 5	No	01724109657
62	Md. Abdul Ali	Word No. 6	No	---
63	Md. Humayun Kabir	Word No. 7	No	01762443062
64	Ab. Khalek	Word No. 8	No	01735686174
65	Abul Kamal	Word No. 9	No	01727104237
66	Mrs. Rina Bagum	Word No. 1,2,3	No	01743394566
67	Mrs. Mahumuda Bagum	Word No. 4,5,6	No	01728633626
68	Mrs. Hosneara Bagum	Word No. 7,8,9	No	01717369890
69	Md. sha Alam Shikder	Word No. 1 Baga Union	No	01757538188
70	Md. Salim Ghorami	Word No. 2	No	01749145900
71	Md. Shrab Howlader	Word No. 3	No	01747725204
72	Abdu Ali Islam	Word No. 4	No	01716486885
73	Md. Mizanur rahaman Mridha	Word No. 5	No	01727675801
74	Nazim Ali Shikder	Word No. 6	No	01723145771
75	Abdul Hossen Munsi	Word No. 7	No	01757025438
76	Abdul Khalek	Word No. 8	No	01932950212



77	Mrs. sahera Bagum	Word No. 1,2,3	No	01932950212
78	UP Mohila Member	Word No.4,5,6	No	01754487064
79	Mrs. Johora Bagum	Word No.7,8,9	No	01754487064
80	Mukunda Mistary	Word No. 3	No	01716743654
81	Sha Alam Sikder	Word No.1 Keshobpur Union	No	01757538188
82	Salim Ghorami	Word No. 2	No	01749145900
83	Md. Shorab Howlader	Word No. 3	No	01747725204
84	Abdul Ali Hossen Mridha	Word No. 4	No	01716486885
85	Md. Mizanur rahaman Mridha	Word No. 5	No	01727675801
86	Nazim ali	Word No. 6	No	01723145771
87	Abdul Hossen Munsu	Word No. 7	No	01757025438
88	Abdul Khalek	Word No. 8	No	01932950212
89	Md. hossen Alin Gazi	Kanokdia	No	01710220107
90	Md.Abdus Salam Khan	Kanokdia	No	01713953566
91	Md.Mujibur Rahaman	Kanokdia	No	01713086303
92	Md. siddikur Rahaman	Kanokdia	No	01914719953
93	Abu sadak	Kanokdia	No	01726640698
94	Md.shorab Hossen	Kanokdia	No	01735334076
95	Md. siddikur Rahaman	Kanokdia	No	017150759335
96	Md. Nurul Islam	Kanokdia	No	01754768845
97	Md. Milan	Kanokdia	No	01727827871
98	Mrs. Nasrin Akter	Kanokdia	No	01733871165
99	Mrs. Kamrun Nahar	Kanokdia	No	01746034421
100	Mrs. Mujinur Nahar	Kanokdia	No	01739557297
101	Md. Hossen ali Gazi	Kanokdia	No	01710220107
102	Md. abdu Salam Khan	Kanokdia	No	01713953566
103	Md. Mujibur Rahaman	Kanokdia	No	01713086303
104	Md. siddikur Rahaman	Kanokdia	No	01914719953
105	Abu sadak	Kanokdia	No	01726640698
106	Md.shorab Hossen	Kanokdia	No	01735334076
107	Md. siddikur Rahaman	Kanokdia	No	017150759335
108	Borhan Uddin	Suriymoni	No	01718556152
109	Md.Shabuddin	Suriymoni	No	01716282729
110	Md.Shabuddin Howlader	Word No. 5	No	01717901045
111	Md. Forid Uddin		No	01728735650
112	Md. Mamun Howlader	Indrokul	No	01716382017
113	Md. Hanif bhuia	Ramanagar	No	01725562787
114	Md.Harun-r-Rashid	Ramanagar Suriymoni	No	01744613124
115	Md. Moinul Islam Fuiad	Nurainpur	No	01735686770
116	Mrs. Halima Bagum	Word No. 1,2,3	No	01739348806
117	Mrs. Shahinur Bagum	Word No. 4,5,6	No	01741589871
118	Mrs. Roksana Bagum	Word No. 7,8,9	No	01737791073

Source: Union Parishad's, 2014

**Annex 4****List of Shelters Management Committee**

School Cum-Shelter

Name of Shelter	Responsible Person	Mobile	Comment
Raysaheb Registration cum cyclone centers	Koli Akter	01734178014	-
Dhanadi cum cyclone centers	Samir Chandra Chakraborty.	01725439262	-
Purba Madanpur Registration cum cyclone centers	Mrs. Kamrun.	01729778622	-
Amirabad cum cyclone centers	Harihara Chandra Roy.	01745397307	-
Madanapura cum cyclone centers	Md. Rafiqul Islam	01734247563	-
Bamsabariya kayana cum cyclone centers	Mrs. Nasrin	01718487655	-
Amirabad cum cyclone centers	Sarmin Khanam	01716437130	-
Bilabilasa cum cyclone centers	Siren Akter Jahan	01724124165	-
Hosanabada cum cyclone centers	Md. Salim	01716032237	-
Purba Khatbaria cum cyclone centers	Md. Iqbal Kabir	01719992661	-
Kapubakathi Cyclone Centre Islamic	G.M. Shaidul	01724873758	-
Kapubakathi Cyclone Centre Islamic	Dipoa Kumer Nag	01918703973	-
Baga adarsarejih cum cyclone centers	Md. Dalour Hossen	01715911348	-
Sabupura registration cum cyclone centers	Goutam Chandra Mondal	01721188411	-
Manipur registration cum cyclone centers	Md. Nazir Uddin	01734041122	-
Maminapura registration cyclone Shelter	Md. Samsul Haqu	01715538952	-
Prosecution registration bih cum cyclone centers	Md. Sakendar Ali	01723399611	-
Dhuriya cum cyclone centers	Israt Jahan	01728094146	-
Bauphala salehiya Fazil Madrasa-cum-cyclone center	Hasina Bagum	01721800347	-
Senior Madrasa-cum-cyclone center nurainapura	Ashit Ranian Sarker	01716806698	-
Senior Madrasa-cum-cyclone center bilabilasa	Mrs. Maksuda Bagum	01735291880	-
Senior Madrasa-cum-cyclone center rabbaniya	Mrs. Kohinor Bagum	0174668457	-
Taterakathi dakila madrasa-cum-cyclone center	Rabeya Khatun	01725728656	-
Senior Madrasa-cum-cyclone center mahasraddhi	Uttam Chandra Samadar	01715155967	-
Kachipara cum cyclone centers	F.M. Mamun Hossen	01745209237	-
Hisyajata kachipara cum cyclone centers	Mrs. Alia Bagum	01715854188	-
Chatrakanda cum cyclone centers	Koli Akter	01734178014	-
Shahid Jalal cum cyclone centers	Samir Chandra	01725439162	-

Name of Shelter	Responsible Person	Mobile	Comment
	Chakraborty.		
Anarasiya cum cyclone centers	Mrs. Kamrun.	01729778622	-
Kalisuri cum cyclone centers	Harihara Chandra Roy.	01745397307	-
Dhalapara cum cyclone centers	Md. Rafiqul Islam	01734247563	-

Source: UzDMC, 2014

### Public/ Private Institutions

Name of Shelter	Responsible Person	Mobile	Comment
Baufal Union Council	Jasim Uddin Khan	01721690014	-
Ginger bariya Union Parishad	Shamsul Haque Fakir	01914-653659	-
Dasapara Union Council	SM Jahangir alam	01711142808	-
Naomala Union Council	Md. Kamal Hossain biswsa	01712154110	-
Project Implementation Officers	Mohdelaoyara Hossain	01720548066	-
Upazila Education Office	Mohlutphura Baby	01712-310058	-
Upazila Ansar VDP Office	Md Kamal Uddin	-	-
Agriculture Extension Officers	Monoyar Hossain	01716-210586	-

Source: UzDMC, 2014

### Elevated Road or embankmen

Name of Shelter	Responsible Person	Mobile	Comment
Head Quarter in the center of the road bauphala kalisuri composition.	Mohammad Jasim Uddin Khan	01721690014	--
Baga composition Centre (sapalakhali road) to the center of the composition kalisuri surajamani kanakandara the composition of which is the center of the road.	Abdur Rahaman Mia	01732780208	--
Spies out from center to center in composition composition maminapura kalisuri road texture center.	SM Faisal Ahmed	01714294573	--
The composition of the center of which appeared in UP kalaiya naomala Patuakhali District Head Quarter Road (bauphalera part) until	Ahmed Mostafa Zaman	01711185429	--
Dhulia market becomes jamalakathi up Dhulia UP	Md. kamalahosena	01712154110	--
The Union has become a nasty kalaiya purbasaula 10 km dam Sandeep.	Talukder Mrs. tasalima	01715129042	--
Up to 13 km from kathi damanikathi damani dam sanniyasi was crying.	Abul Hossain	01732030144	--

Name of Shelter	Responsible Person	Mobile	Comment
09 km far from the Dam Baga bridge sannyasi crying	Md. Jasim Uddin Khan	01718771558	--
Head Quarter in the center of the road bauphala kalisuri composition.	Abdur Rahaman Mia	01721690014	--
Baga composition Centre (sapalakhali road) to the center of the composition kalisuri surajamani kanakandara the composition of which is the center of the road.	SM Faisal Ahmed	01732780208	--
Spies out from center to center in composition composition maminapura kalisuri road texture center.	Ahmed Mostafa Zaman	01714294573	--
The composition of the center of which appeared in UP kalaiya naomala Patuakhali District Head Quarter Road (bauphalera part) until	Md. kamalahosena	01711185429	--
Dhulia market becomes jamalakathi up Dhulia UP	SM Delwar Hossain	01720548060	--
The Union has become a nasty kalaiya purbasaula 10 km dam Sandeep.	SM Delwar Hossain	01720548060	--
Up to 13 km from kathi damanikathi damani dam sannyasi was crying.	SM Delwar Hossain	01720548060	--
09 km far from the Dam Baga bridge sannyasi.	SM Delwar Hossain	01720548060	--

Source: UzDMC, 2014

#### Health Management Committee

Name of Health center	Responsible Person	Mobile	Comment
Baufal Upazila Health Complex	Dahmohmahabuba Hasan	01717-505605	-
Kachipara Health Complex	Saiful Islam	01746398213	-
Dhulia Health Complex	Mohrasela gymnast	01745-638796	Satisfactory
Keshabpur Health Complex	Minu Akter	01760426259	-
Suryamani Health Complex	Mohsaiphula Amazon	01718-564506	-
Madanapur Health Complex	Mohsariphula Amazon	01710-180398	-

Source: UzDMC, 2014

#### Fire Safety Committee

Name of Fire Station	Responsible Person	Mobile	Comment
----------------------	--------------------	--------	---------

Not Applicable	Not Applicable	Not Applicable	
----------------	----------------	----------------	--

### Motor Boat

Union/ word	Responsible Person	Mobile	Comment
Keshabpur	Jahangai Mohammad Sikder	01730689345	-
Keshabpur	Md Abul basara	01789211752	-
Keshabpur	Mohammad Siddique Faraji	01789809760	-
Keshabpur	Mohammad Nasir Mira	01754768858	-
Keshabpur	Md Babul Khan		-

Source: UzDMC, 2014

### Local Dealers

Ward/Union	Name of Local Merchant	Mobile	Comment
Keshabpur	Babul Kazi Md	01728-290360	-
Keshabpur	Md Anwar Hossain Khan	01734-170114	-
Keshabpur	Md. Faisal Gazi	01746-85653	-
Keshabpur	Md. Akkas pharaji	01721190209	-
Keshabpur	Md.Dulala Hung		-

Source: UzDMC, 2014

## Annex5

### Mahadevpur at a Glance

Area	487 sq.km.	Churches	---
Union	14	Eidgaah	443
Mouja	135	Bank	12
Village	147	Post Office	50
Household	59,079	Club	40
Total Population	3,04,951	NGO	18
Male	1,52,384	Hats/ Bazaar	77
Female	1,52,575	Graveyard	47
Educational Institute	495	Crematorium	25
Govt. Primary School	122	Poultry farm	70
Reg: Primary School	93	Weaving Industry	2
Secondary School	55	Deep tubewell	4223
College	13	Shallow Tube Well	-
Madrasa (Dakhil, Fazil, Ebtedaiyee)	212	Hand Tube Well	-
BRAC School	-	Food storage	11
Kindar Garden School	01	River	3 (3133 Hectares)
Literacy Rate	64%	Canal	09
	42	Wet Land	150 Hectares
Community Clinic	127km	Haor	1
Embankment	15	Pond	36,408 (1438 Hectares)
Sluicgate	226	Khas Ponds	57(12.46 Hectares)
Bridge	648	Water reservoir	2
Culvert	49	Earthen Road	1040.11 km
Mosque	610	Pavement Road	184.46 km
Temple	140	HBB	15.00 km
Forestry	02%	Mobile Tower	5
		Play Ground	40

## 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	11.30-12.00 am	Everyday except 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 except Monday
	Shukhi Saongshar	8.10-8.30 pm	Everyday except 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 except 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 except Sunday, Wednesday & Friday
	Chhoto Paribar	3.35-3.50 pm	Everyday except 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

## Annex: 8

## List of Upazilla Academic Institution Information

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
1	Kachipara Government Primary School	9	480	Kachipara	Yes
2	Kachipara hisyajata Primary School	5	139	Kachipara	Yes
3	Dariyabada Government Primary School	4	144	Kachipara	Yes
4	North Mill Primary School	5	149	Kachipara	Yes
5	Pakadala Government Primary School	6	196	Kachipara	Yes
6	Plant rahima Primary School	9	271	Kachipara	Yes
7	Amarakhali Government Primary School	4	198	Kachipara	Yes
8	Chatrakanda Government Primary School	5	139	Kachipara	Yes
9	Shahid Jalal Primary School	5	227	Kachipara	Yes
10	Anarasiya Government Primary School	5	147	Kachipara	Yes
11	Kachipara West Primary School	5	172	Kachipara	Yes
12	Kalisuri Government Primary School	11	445	Kachipara	Yes
13	Kalisuri Boards Primary School	7	156	Kachipara	Yes
14	Dhalapara Government Primary School	5	241	Kachipara	Yes
15	Sinherakathi Government Primary School	3	163	Kachipara	Yes
16	Rajapur Boards Primary School	8	248	Kachipara	Yes
17	Chitaka West Primary School	8	224	Kachipara	Yes
18	Kabirakathi Government Primary School	5	219	Kachipara	Yes
19	Chitaka Government Primary School	8	215	Kachipara	Yes
20	Sinherakathi West Primary School	7	216	Kachipara	Yes
21	Dhulia Government Primary	8	600	Dhulia	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
	School				
22	Dhulia barujobipara Primary School	5	180	Dhulia	Yes
23	Dhulia enake Government Primary Schools	5	158	Dhulia	Yes
24	Mathabariya Government Primary School	5	319	Dhulia	Yes
25	Mehendipura Government Primary School	6	256	Dhulia	Yes
26	Aloki danabhyana Primary School	5	248	Dhulia	Yes
27	Camdakathi Government Primary School	4	243	Dhulia	Yes
28	Bharipasa East Primary School	5	280	Keshabpur	Yes
29	Bharipasa West Primary School	7	212	Keshabpur	Yes
30	Bajemahala Government Primary School	7	320	Keshabpur	Yes
31	Maminapura Government Primary School	6	446	Keshabpur	Yes
32	Keshabpur Government Primary School	7	271	Keshabpur	Yes
33	Keshabpur Central Primary School	4	123	Keshabpur	Yes
34	Keshabpur NS Government Primary Schools	6	---	Keshabpur	Yes
35	Sanesbara Government Primary School	6	177	Keshabpur	Yes
36	Gajimajhi Government Primary School	6	179	Keshabpur	Yes
37	Nurainapura Government Primary School	9	527	Keshabpur	Yes
38	Indrakula East Primary School	4	236	Keshabpur	Yes
39	Indrakula West Primary School	6	229	Keshabpur	Yes
40	Ramnagar Boards Primary School	5	238	Keshabpur	Yes
41	Government primary schools in the North West of Ramnagar	8	157	Keshabpur	Yes
42	Goyalibabagha West Primary School	5	157	Keshabpur	Yes
43	Government primary schools	4	147	Keshabpur	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
	in the South West of Ramnagar				
44	South kanakadiya Primary School	6	333	Kanakdiya	Yes
45	Kanakadiya North Primary School	7	208	Kanakdiya	Yes
46	Birapasa Government Primary School	1	363	Kanakdiya	Yes
47	Ayala Government Primary School	8	248	Kanakdiya	Yes
48	Narayan dice Primary School	3	137	Kanakdiya	Yes
49	Wood-notes Primary School	6	210	Kanakdiya	Yes
50	Amirabad Government Primary School	8	184	Kanakdiya	Yes
51	Jhilana Government Primary School	5	185	Kanakdiya	Yes
52	Sedge Government Primary School	8	366	Kanakdiya	Yes
53	Sapalakhali Government Primary School	4	250	Baga	Yes
54	Rajnagar Government Primary School	10	224	Baga	Yes
55	South Rajnagar Government Primary School	4	116	Baga	Yes
65	Sabupura Government Primary School	4	245	Baga	Yes
57	Ballia Chandpal Primary School	4	207	Baga	Yes
57	Bamanikathi Government Primary School	6	247	Baga	Yes
59	Broken dhaura Primary School	6	153	Baga	Yes
60	Kaukhali Government Primary School	6	251	Baga	Yes
61	Madanapura Boards Primary School	5	172	Madanpur	Yes
62	Dbipasa North Primary School	5	219	Madanpur	Yes
63	Madanapura North West Primary School	5	174	Madanpur	Yes
64	Madanapura Central Primary School	8	337	Madanpur	Yes
65	Madanapura East Primary School	5	226	Madanpur	Yes
66	South dbipasa Primary School	5	127	Madanpur	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
67	Madanapura daragabari Primary School	7	208	Madanpur	Yes
68	Nazirpur Boards Primary School	8	369	Nazirpur	Yes
69	Chayahisya tamterakathi Primary School	5	292	Nazirpur	Yes
70	Mannan dhanadi Primary School	4	254	Nazirpur	Yes
71	Nimadi Government Primary School	7	255	Nazirpur	Yes
72	Nazirpur small talima Primary School	5	255	Nazirpur	Yes
73	Large dalima Primary School	6	236	Nazirpur	Yes
74	Kachu dalima Primary School	4	240	Nazirpur	Yes
75	Large dalima Azad Government Primary School	4	216	Nazirpur	Yes
76	Tamterakathi Ramnagar Primary School	4	210	Nazirpur	Yes
77	Pirate oyadela Primary School	4	236	Nazirpur	Yes
78	Kalaiya kotapara Primary School	6	171	Kalaiya	Yes
79	Kalaiya East Primary School	6	557	Kalaiya	Yes
80	Saula North Primary School	3	301	Kalaiya	Yes
81	South saula Primary School	II	255	Kalaiya	Yes
82	Karpurakathi Central Primary School	4	183	Kalaiya	Yes
83	Karpurakathi North Primary School	3	237	Kalaiya	Yes
84	Kalaiya Boards Primary School	3	235	Kalaiya	Yes
85	Kalaiya North Primary School	7	420	Kalaiya	Yes
86	Karpurakathi Islamia Primary School	4	313	Kalaiya	Yes
87	South karpurakathi Primary School	3	178	Kalaiya	Yes
88	Bauphala dasapara Model Government Primary School	10	466	Daspara	Yes
89	Dasapara East Primary School	5	238	Daspara	Yes
90	Dasapara North Primary School	6	454	Daspara	Yes
91	Dasapara Central Primary School	4	574	Daspara	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
92	Pirate alagi Primary School	5	221	Daspara	Yes
93	Dasapara out West Primary School	6	334	Daspara	Yes
94	Khejurabariya East Primary School	7	310	Daspara	Yes
95	Hosanabada Government Primary School	5	236	Baufal	Yes
96	-1 Bilabilasa Primary School	6	310	Baufal	Yes
97	Bilabilasa II Primary School	7	335	Baufal	Yes
98	Gosinga Government Primary School	7	235	Baufal	Yes
99	Kayana bamsabariya Primary School	5	242	Baufal	Yes
100	Jauta alipura Primary School	5	247	Baufal	Yes
101	Bauphala nuriya Primary School	7	217	Baufal	Yes
102	Jauta Central Primary School	3	251	Baufal	Yes
103	Bauphala Ideal Government Primary School	1	594	Baufal	Yes
104	Jauta East Primary School	5	242	Baufal	Yes
105	Madhabpur Boards Primary School	7	269	Adabariya	Yes
106	Madhabpur Government Primary School	7	491	Adabariya	Yes
107	Lakkipasha Government Primary School	5	147	Adabariya	Yes
108	South mahasraddhi Primary School	6	254	Adabariya	Yes
109	Mahasraddhi East Primary School	3	74	Adabariya	Yes
110	Madhabpur West Primary School	3	112	Adabariya	Yes
111	Batakajala Boards Primary School	5	404	Maomala	Yes
112	B Primary School	10	494	Baga	Yes
113	Maisadi Government Primary School	4	214	Baga	Yes
114	Naomala Central Primary School	5	245	Maomala	Yes
115	South keshabpur akramiya Primary School	3	159	Keshabpur	Yes
116	Naomala West Primary School	3	244	Maomala	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
117	Naomala East Primary School	5	305	Maomala	Yes
118	Batakajala Central Primary School	6	313	Maomala	Yes
119	Mallikaduba Government Primary School	1	139	Keshabpur	Yes
120	North Central Government Primary Schools in Rajapur	3	141	Kalisuri	Yes
121	Hats Bhuiyan Primary School	4	344	Kalisuri	Yes
122	South batakajala Primary School	4	175	Maomala	Yes
123	Jamalakathi Government Primary School	3	150	Maomala	Yes
124	Eeica maminapura. Government Primary Schools	4	219	Maomala	Yes
125	Rajapur dighirapara official rprathamika Schools	4	151	Kalisuri	Yes
126	Bauphala nuriya West Primary School	4	294	Baufal	Yes
127	Government primary schools in the South East madanapura	3	155	Madanpur	Yes
128	Nurainapura West Primary School	4	155	Madanpur	Yes
129	Kanakadiya West Primary School	3	150	Kanakdiya	Yes
130	Kumbhakhali Government Primary School	3	151	Kanakdiya	Yes
131	Madanapura Northeast Primary School	4	150	Madanpur	Yes
132	Suryamani registered primary school	II	150	Suryamani	Yes
133	Amina Khatun dasapara Primary School	4	208	Dasapara	Yes
134	Ali Akbar's Ideal Government Primary School	II	331	Dasapara	Yes
135	Self batakajala Primary School	4	155	Naomala	Yes
136	Naomala Sardar Para Primary School	4	150	Naomala	Yes
137	Anu iPad sarakariprathamika Schools Foundation	4	130	Naomala	Yes
138	South Madhabpur Primary School	4	150	Adabariya	Yes
139	West batakajala (Kullu house) Primary School	4	150	Naomala	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
140	Bauphalarabana Government Primary School	4	215	Kachipara	Yes
141	Narayanapasa sarakariprathamika Schools	3	146	Kanakadiya	Yes
142	Ghucarakathi sarakariprathamika Schools	4		Dhulia	Yes
143	Kayana West Primary School	4	216	Baga	Yes
144	Jayaghora sarakariprathamika Schools	4	220	Baga	Yes
145	Camdakathi Central Primary School	3	216	Dhulia	Yes
146	Bilabilasa West Primary School	4	133	Bauphala	Yes
147	Pirate camdakathi Primary School	II	215	Dhulia	Yes
148	Sapaleja Government Primary School	3	150	Adabariya	Yes
149	Gosinga West Primary School	4	125		Yes
150	Sulatanabada North nazirpur government Pvt Schools	3	163	Nazirpur	Yes
151	Take two government primary schools	4	150	Nazirpur	Yes
152	West batakajala (Khan house) Primary school registration	4	190	Naomala	Yes
153	Bakala tamterakathi Primary School	4	158	Nazirpur	Yes
154	Pakadala North Primary School	4	155	Kalaiya	Yes
155	Kalaiya Central Primary School	4	120	Kalaiya	Yes
156	South bharipasa hacana Munshi Ali government Pvt Schools	3	214	Kalaiya	Yes
157	South Rajapur Primary School	4	116	Kalaiya	Yes
158	Pirate Kachu miyajana Primary School	4	139	Kalaiya	Yes
159	Bilabilasa East Primary School	3	200	Baufal	Yes
160	Talatali bharipasa Primary School	4	185	Baufal	Yes
161	Bauphalarabana jomaddara government primary school buildings	4	123	Baufal	Yes
162	Hats HOWLADER asuri VDC	4	151	Baufal	Yes



SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
	Primary School				
163	Karakhara dighirapara West Government Primary School	4	125	Baufal	Yes
164	Birapasa West Primary School	4	122	Baufal	Yes
165	Ranabhairaba sarakariprathamika Schools	4	150	Baufal	Yes
166	West Rajapur Udayan sarakariprathamika Schools	4	150	Baufal	Yes
167	Indrakula Central Primary School	4	157	Baufal	Yes
168	Goyaliyabagha Central Primary School	4	157	Baufal	Yes
169	Keshabpur Ideal Government Primary School	3	103	Keshabpur	Yes
170	Kachipara Central Primary School	4	150	Kachipara	Yes
171	South bilabilasa Primary School	4	194	Kachipara	Yes
172	Wildfire Bike Ladies Club Primary School	3	151	Kachipara	Yes
173	VDC bhanra sarakariprathamika Schools	3	155	Kachipara	Yes
174	Hatem Mridha Hat VDC registered primary school	4	150	Kachipara	Yes
175	Pirate basudebapasa registered Primary School	4	115	Kachipara	Yes
176	Candidature fringe esadio Registered primary school	4	150	Kachipara	Yes
177	Rajnagar eastern registered primary school	4	161	Kachipara	Yes
178	Tamterakathi registered primary school	4	160	Nazirpur	Yes
179	South kayana registered Primary School	3	107	Nazirpur	Yes
<b>180</b>	Gosinga kayana West Primary School	4	151	Nazirpur	Yes
181	Gulitha mauja Primary School	4	150	Nazirpur	Yes
182	Kasipura Government Primary School	4	151	Nazirpur	Yes
183	Bhanra Kanchan Ali Primary School	4	112	Nazirpur	Yes
184	Atosakhali Government Primary School	4	135	Nazirpur	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
185	New Hats VDC Primary School	4	168	Nazirpur	Yes
186	Rajnagar North Primary School	4	121	Rajnagar	Yes
187	Pirate raghunathaddi Primary School	4	214	Nazirpur	Yes
188	North sabupura Rajnagar Primary School	4	139	Answer sabupura	Yes
189	Sannyasikanda Government Primary School	4	141	Sannyasikanda	Yes
190	South keshabpur Primary School	4	113	Keshabpur	Yes
191	Government primary school in the eastern neighborhood batakajala HOWLADER	4	158	East batakajala	Yes
192	South B Model Government Primary School	4	137	Baga	Yes
193	South kaukhali Primary School	4	150	South kaukhali	Yes
194	Pvt schools whose chief government peace AS gosinga	4	215	S gosinga	Yes
195	Jaffrabad Government Primary School	4	130	Jaffrabad	Yes
196	Banajora Government Primary School	4	150	Banajora	Yes
197	Small dalima East Primary School	4	153	Eastern small dalima	Yes
198	Kanakadiya SS Mother / B adjacent public Pvt Schools	4	250	Kanakadiya	Yes
199	Maminapura Ideal Government Primary School	4	118	Kanakadiya	Yes
200	Hatem Ali Model Government Primary School	4	150	Kanakadiya	Yes
201	Cabuya Government Primary School	3	125	Kanakadiya	Yes
202	Roy tamterakathi Primary School	4	160	Nazirpur	Yes
203	Lakkipasha West Primary School	4	189	Nazirpur	Yes
204	Pirate Factory Primary School	4	144	Nazirpur	Yes
205	South dhanadi Primary School	4	147	Nazirpur	Yes
206	Braksmanera Bill Primary School	4	295	Nazirpur	Yes
207	Indrakula caumahani Primary	4	150	Nazirpur	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
	School				
208	Kalaiya self-government primary schools	4	243	Kalaiya	Yes
209	Southern wood-notes pyada House Primary School	4	140	Kalaiya	Yes
210	South maminapura Primary School	4	150	Kalaiya	Yes
211	Das candanabariya hawla Primary School	4	130	Kalaiya	Yes
212	South kaukhali Primary School	4	150	Kalaiya	Yes
213	Pvt schools whose chief government peace AS gosinga	4	215	Baufal	Yes
214	Jaffrabad Government Primary School	4	130	Baufal	Yes
215	Banajora Government Primary School	4	150	Baufal	Yes
216	Small dalima East Primary School	4	153	Baufal	Yes
217	Kanakadiya SS Mother / B adjacent public Pvt Schools	4	250	Kanakdiya	Yes
218	Maminapura Ideal Government Primary School	4	118	Kanakdiya	Yes
219	Hatem Ali Model Government Primary School	4	150	Kanakdiya	Yes
220	Cabuya Government Primary School	3	125	Kanakdiya	Yes
221	Roy tamterakathi Primary School	4	160	Nazirpur	Yes
222	Lakhipasha West Primary School	4	189	Kanakdiya	Yes
223	Pirate Factory Primary School	4	144	Kachipara	Yes
224	South dhanadi Primary School	4	147	Kachipara	Yes
225	Braksmanera Bill Primary School	4	295	Kachipara	Yes
226	Indrakula caumahani Primary School	4	150	Kachipara	Yes
227	Kalaiya self-government primary schools	4	243	Kalaiya	Yes
228	Southern wood-notes pyada House Primary School	4	140	Kalaiya	Yes
229	South maminapura Primary School	4	150	Kalaiya	Yes
230	Das candanabariya hawla	4	130	Kalaiya	Yes

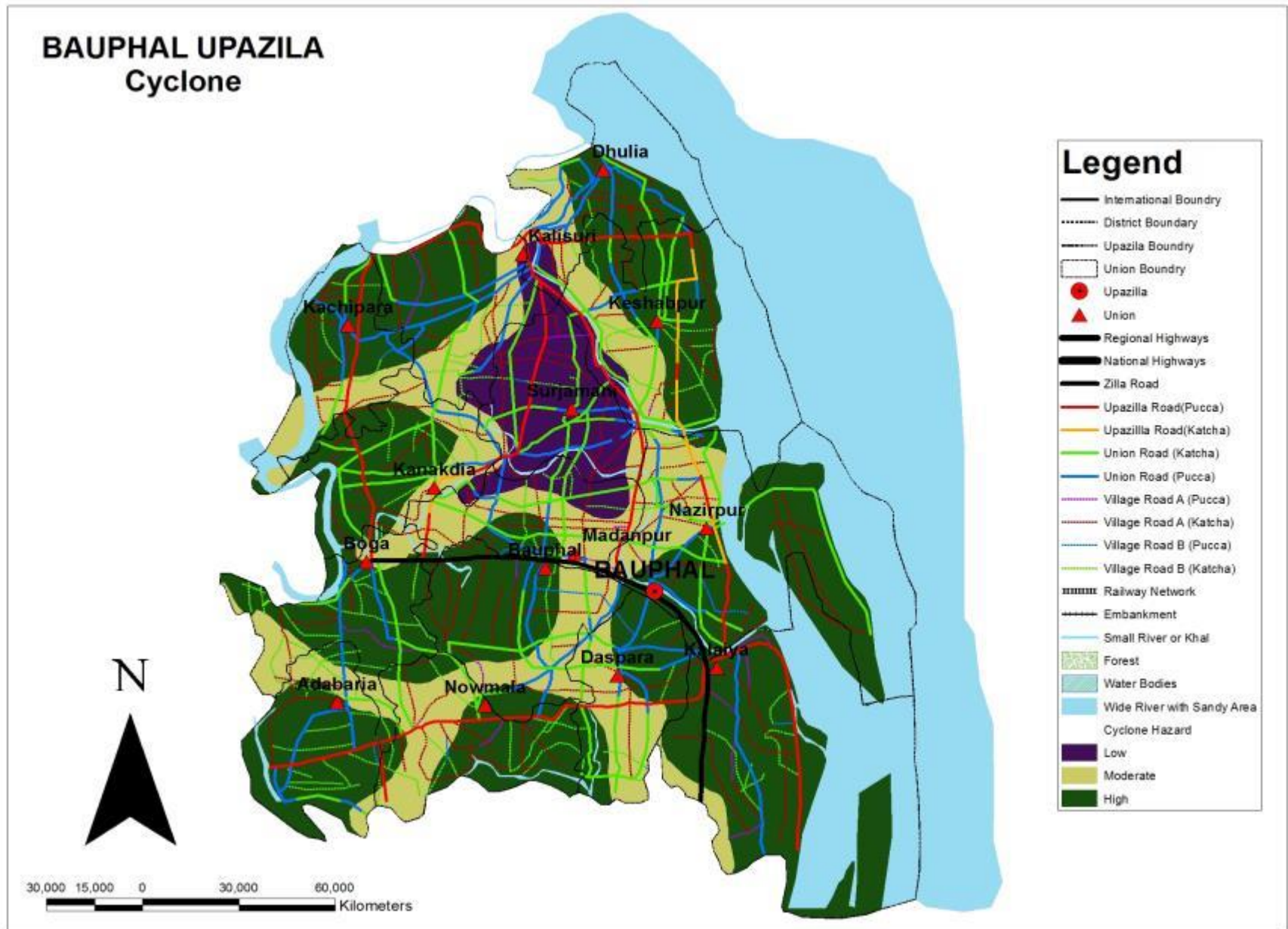
SL.No	School/Collage/Madrasa	Number of teachers	Students	Location of the institute	Cyclone center
	Primary School				
231	Mallikaduba East Primary School	4	296	Kalaiya	Yes
232	Pirate oyadela Primary School	4	127	Kalaiya	Yes
233	Alipura North Primary School	4	150	Kalaiya	Yes
234	Chandrapara Government Primary School	4	170	Kalaiya	Yes
235	Paired Pukuria Primary School	3	124	Kalaiya	Yes
236	Shibpur sarakariprathamika Schools	4	248	Kalaiya	Yes
237	Ayanabaja kalaiya Primary School	4	205	Kalaiya	Yes
238	Pirate rayasaheba Primary Science	3	249	Kalaiya	Yes
239	Hats ferret alipura Primary School	2	270	Kalaiya	Yes
240	Government primary schools of which appeared	1	265	Kalaiya	Yes
241	Khajurabariya West Primary School	4	155	Kalaiya	Yes
242	Kachipara East Primary School	2	265	Kachipara	Yes
243	Kalikapura Community Primary School	2	250	Kalikapur	Yes
1	Fazil Madrasa bauphala sm	10	352	Baufal	Yes
2	Kalaiya rababaniya Fazil Madrasa	3	562	Kalaiya	Yes
3	Mohsen Ahmed Fazil Madrasa	3	336	Kalaiya	Yes
4	Bilabilasa Fazil Madrasa	30	398	Baufal	Yes
5	Nurainapura nechah Fazil Madrasa	10	428	Baufal	Yes
6	Bajemahala obayadiya Fazil Madrasa	21	360	Baufal	Yes
7	Dhanadi Fazil Madrasa	10	480	Baufal	Yes
8	N kanakadiya Alim Madrasa	21	50	Kanakadiya	Yes
9	West naomala Alim Madrasa	0	303	Naomala	Yes
10	East adabariya diesa Alim Madrasa	19	330	East adabariya	Yes
11	Basarabada Alim Madrasa	0	295	Adabariya	Yes
12	Plant Alim Madrasa	0	300	Adabariya	Yes
13	Ponahura Alim Madrasa	0	674	Adabariya	Yes
14	Keshabpur ephaeica Alim	21	510	Keshabpur	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
	Madrassa				
15	Rose Alim Madrassa	1	203	Keshabpur	Yes
16	Indrakula akabariya Alim Madrassa	0	328	Keshabpur	Yes
17	Dhali Chandrapara Asia Khatun Alim Madrassa	0	300	Keshabpur	Yes
18	North karpurakathi idrisiya Dakhil Madrassa	16	204	Keshabpur	Yes
19	Karpurakathi manasuriya Dakhil Madrassa	15	256	Keshabpur	Yes
20	Kotapara chalehiya Dakhil Madrassa	13	230	Keshabpur	Yes
21	Keesabi Dakhil Madrassa	17	210	Keshabpur	Yes
22	Pirate Girl Dakhil Madrassa alagi rasidiya	14	184	Keshabpur	Yes
23	East dasapara nechariya Dakhil Madrassa	15	206	Daspara	Yes
24	Pirate alagi Dakhil Madrassa	14	215	Daspara	Yes
25	East khejurabariya Dakhil Madrassa	14	280	Daspara	Yes
26	North dasapara Dakhil Madrassa	17	200	Daspara	Yes
27	South yauta Dakhil Madrassa Girls	16	206	Daspara	Yes
28	Dakhil Madrassa in chalehiya naomala	18	184	Central naomala	Yes
29	East naomala chalehiya Dakhil Madrassa	14	212	East naomala	Yes
30	Fatima Zohra Girls adabariya Dakhil Madrassa	14	248	Adabariya	Yes
31	Bilabilasa alipura Dakhil Madrassa	16	212	Adabariya	Yes
32	South hosanabada Dakhil Madrassa Girls	17	214	Adabariya	Yes
33	B Union Dakhil Madrassa	14	215	Baga	Yes
34	Gosinga rasidiya Dakhil Madrassa	15	369	Kachipara	Yes
35	Jakerabada Dakhil Madrassa	19	211	Kachipara	Yes
36	Gosinga female Dakhil Madrassa	15	200	Kachipara	Yes
37	East kachipara Dakhil Madrassa	15	168	Kachipara	Yes
38	West kachipara Dakhil Madrassa	15	248	Kachipara	Yes

SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
39	Sinherakathi Girl Dakhil Madrassa	15	288	Kachipara	Yes
40	Sinherakathi Quran Sunnah Dakhil Madrassa	15	304	Kachipara	Yes
41	Jakerabada Dakhil Madrassa	14	164	Kachipara	Yes
42	Maminapura rajjabiya Dakhil Madrassa	14	274	Kachipara	Yes
43	East esaesa Dakhil Madrassa Girls	15	274	Kachipara	Yes
44	Patilapara Girl Dakhil Madrassa	15	268	Kachipara	Yes
45	West kalisuri Dakhil Madrassa Girls	16	212	West kalisuri	Yes
46	Dhulia Dakhil Madrassa	14	203.	Dhulia	Yes
47	Oh Baby Chef Girl Dakhil Madrassa Dhulia	14	228	Dhulia	Yes
48	East camdakathi diesa Dakhil Madrassa	13	217	Dhulia	Yes
49	Camdakathi jeena Dakhil Madrassa	14	168	Camdakathi	Yes
50	Talatali bharipasa isah Dakhil Madrassa			Keshabpur	Yes
51	Bharipasa Syed Mortaza Dakhil Madrassa	15	200	Keshabpur	Yes
52	Bharipasa Girl Dakhil Madrassa	15	168	Keshabpur	Yes
53	Maminapura rajjabiya Dakhil Madrassa	15	248	Keshabpur	Yes
54	East esaesa Dakhil Madrassa Girls	15	288	Keshabpur	Yes
55	Indrakula Girl Dakhil Madrassa	15	304	Keshabpur	Yes
65	N madanapura Dakhil Madrassa	14	164	Madanpur	Yes
57	Large dalima Dakhil Madrassa	14	260	Madanpur	Yes
57	Sulatanabada isah Dakhil Madrassa	15	187	Madanpur	Yes
59	Chayahisya Girl Dakhil Madrassa	14	202	Madanpur	Yes
60	East indakula cauh Dakhil Madrassa Girls	16	202	Madanpur	Yes
61	East indakula ephake Dakhil Madrassa Girls	14	260	Madanpur	Yes
62	Nurainapasa Dakhil Madrassa	15	365	Madanpur	Yes
63	Dbipasa isah Dakhil Madrassa	14	208	Madanpur	Yes
64	Rajapur chalehiya Dakhil	15	202	Madanpur	Yes

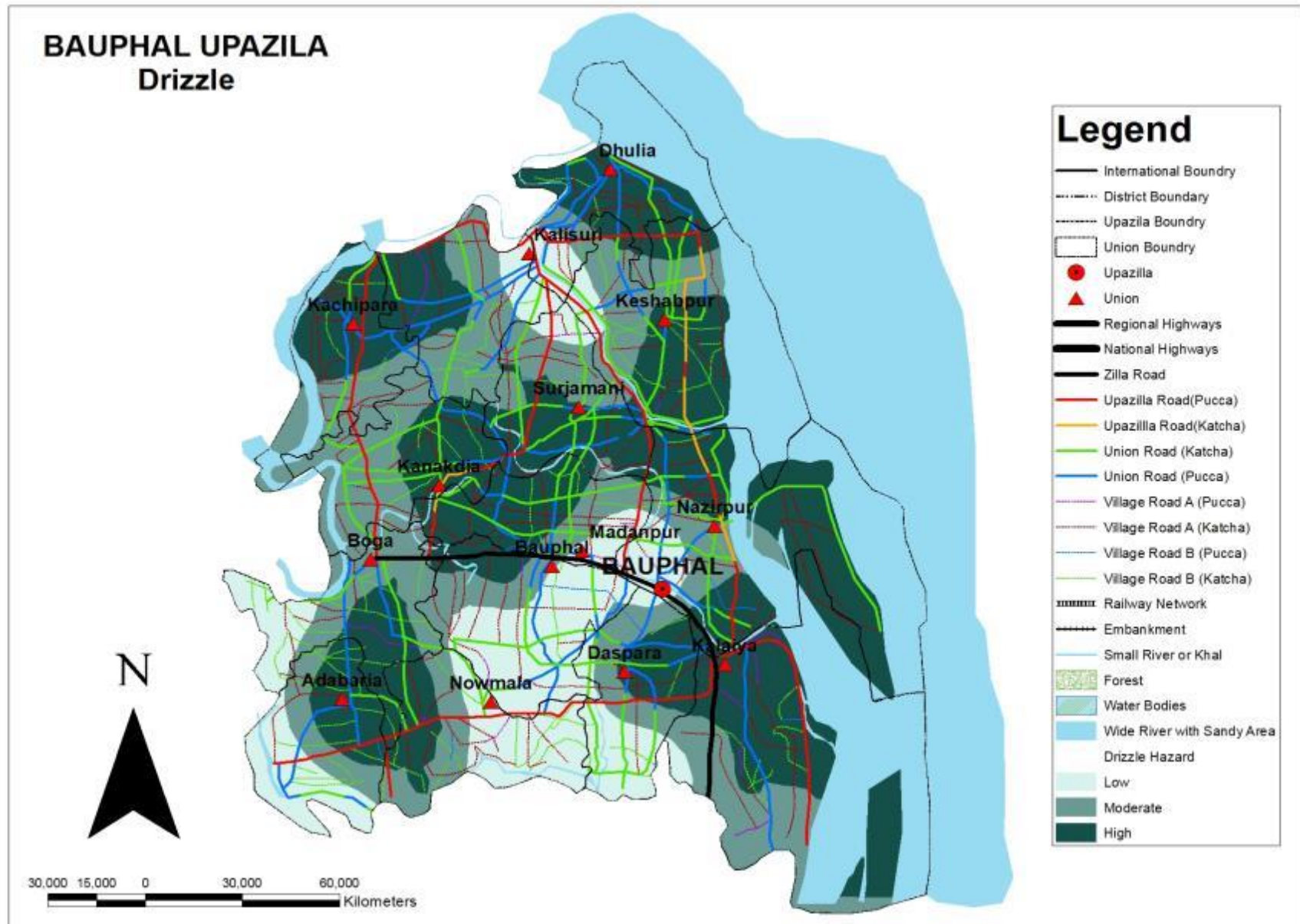
SL.No	School/Collage/Madrassa	Number of teachers	Students	Location of the institute	Cyclone center
	Madrassa				
65	Rajapur Girl Dakhil Madrassa	15	204	Madanpur	Yes
66	Nurairapura Girl Dakhil Madrassa	14	274	Madanpur	Yes
67	Rahmat Nagar isah Dakhil Madrassa	15	274	Madanpur	Yes
68	Ramanagara tamterakathi chalehiya Dakhil Madrassa	15	268	Madanpur	Yes
69	Salim Ibrahim memories nazirpur Dakhil Madrassa Girls	16	212	Nazirpur	Yes
70	Madhabpur Dakhil Madrassa	14	203.	Madhabpur	Yes
1	Nurainapura College	14	320	Baufal	Yes
2	Kalisuri Degree College	1	438	Kalisuri	Yes
3	Bauphala Degree College	16	519	Baufal	Yes
4	Idris Mulla Degree College	11	354	Baufal	Yes
5	Engineer Faruq Talukder Female College	1	448	Baufal	Yes
6	Dr. James Sharif Degree College	1	432	Baufal	Yes
7	Abdur Rashid Khan Degree College	11	560	Baufal	Yes
8	AS kachipara Rashid Mia Degree College	10	632	Kachipara	Yes
9	Keshabpur college	1	543	Keshabpur	Yes
10	Dhulia School and College	11	850	Dhulia	Yes
11	Kanakadiya Sir dormitory School and College	13	835	Kanakdiya	Yes

# Annex 9

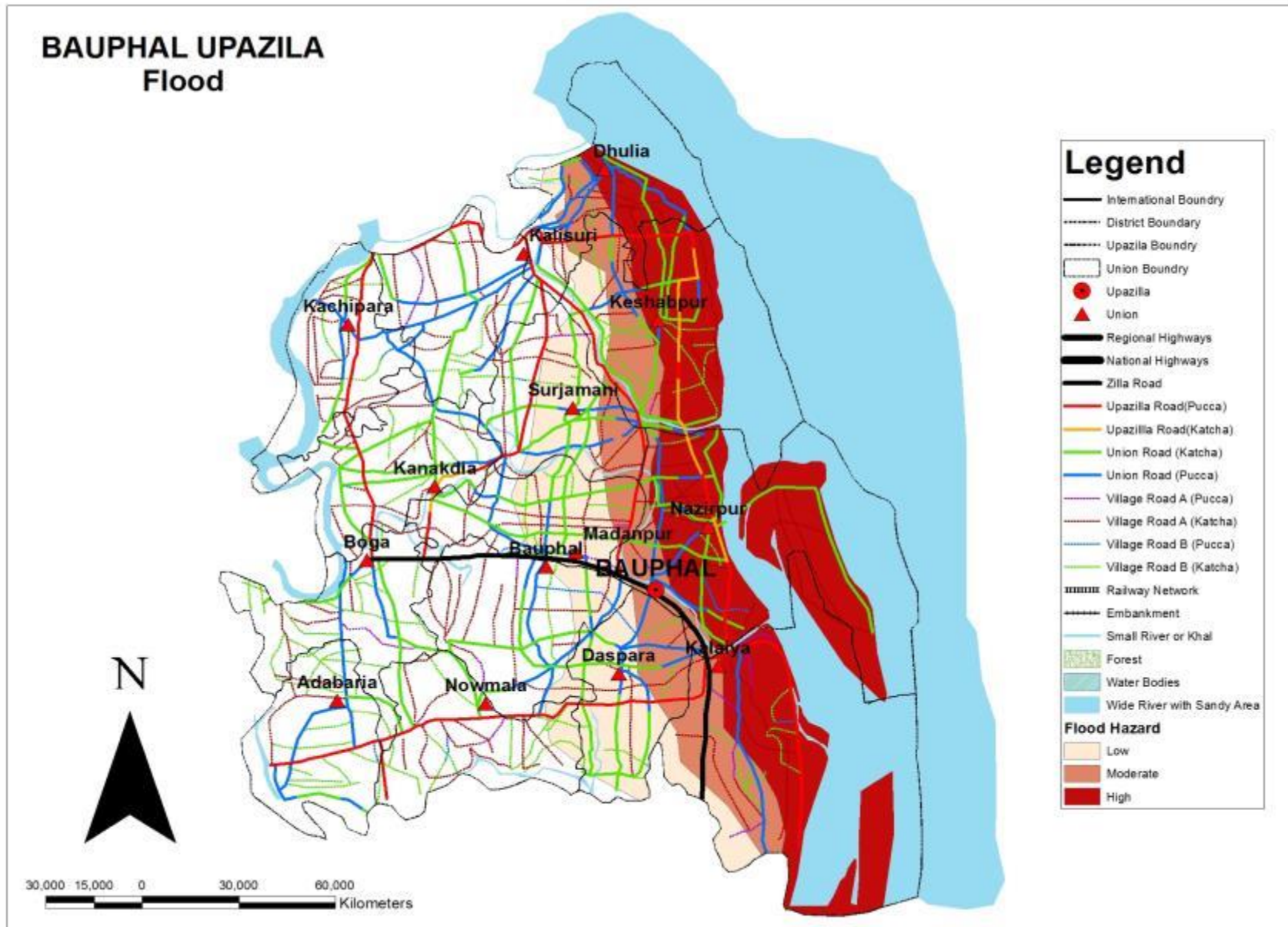




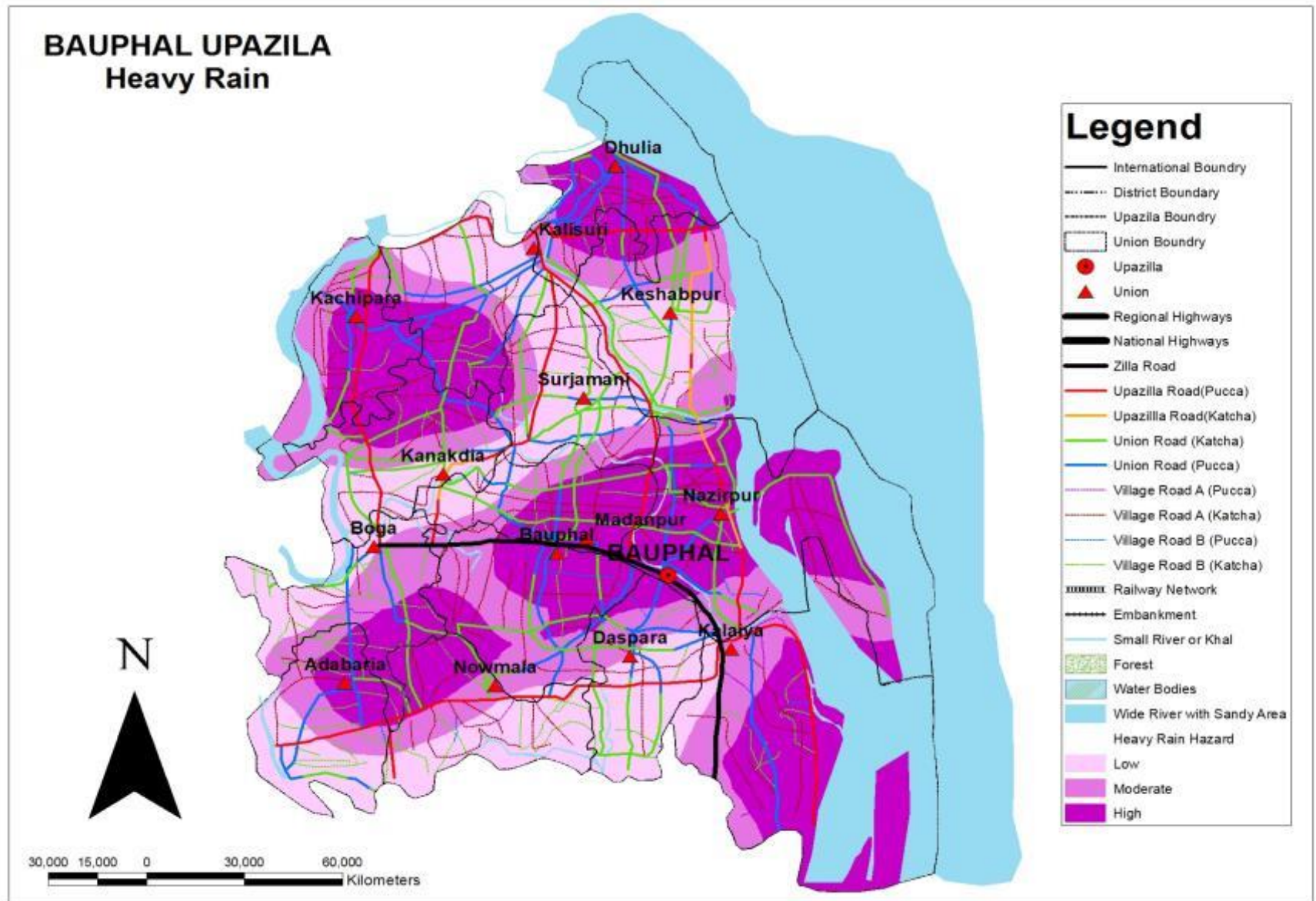
# Annex 10



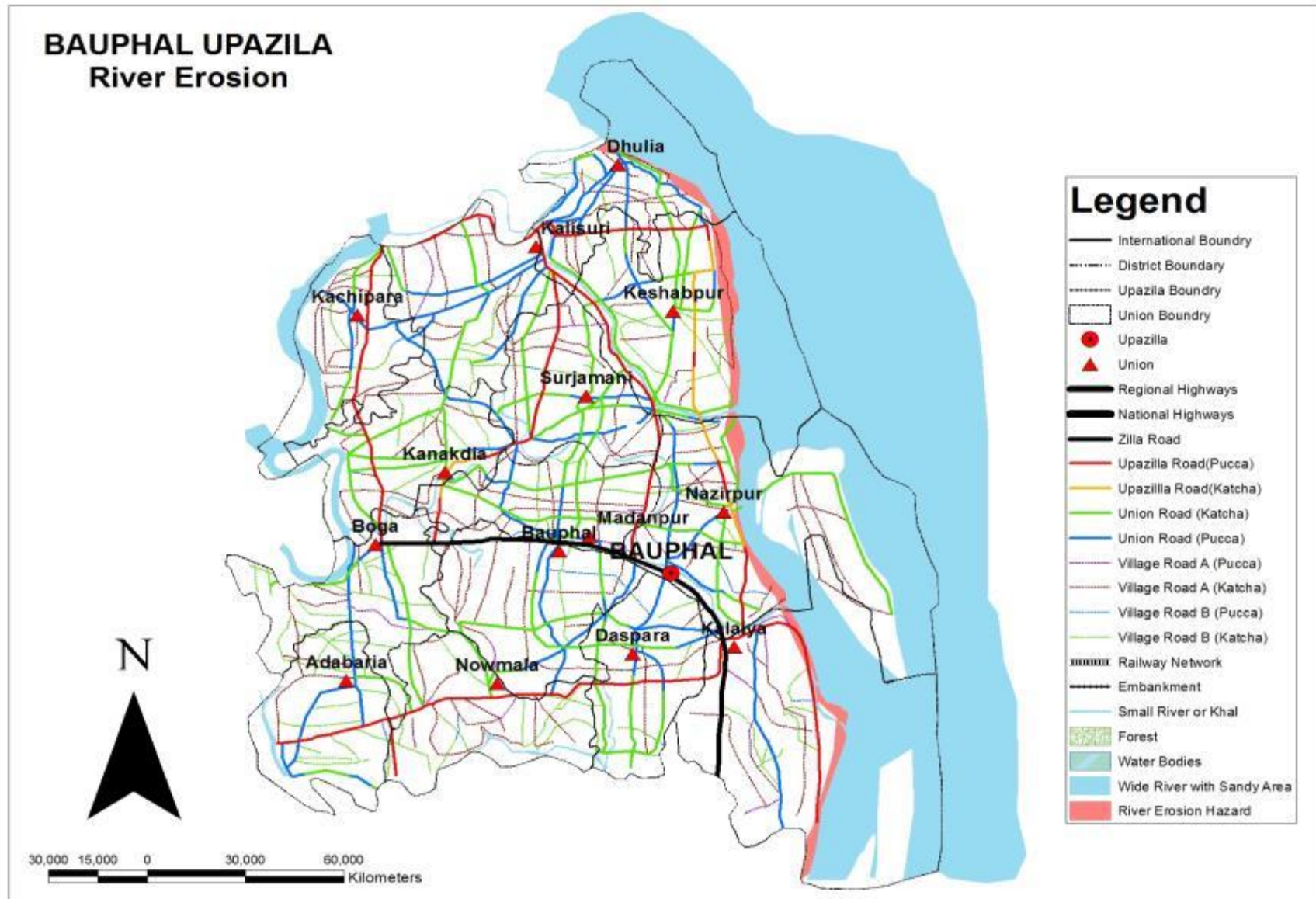
# Annex 11



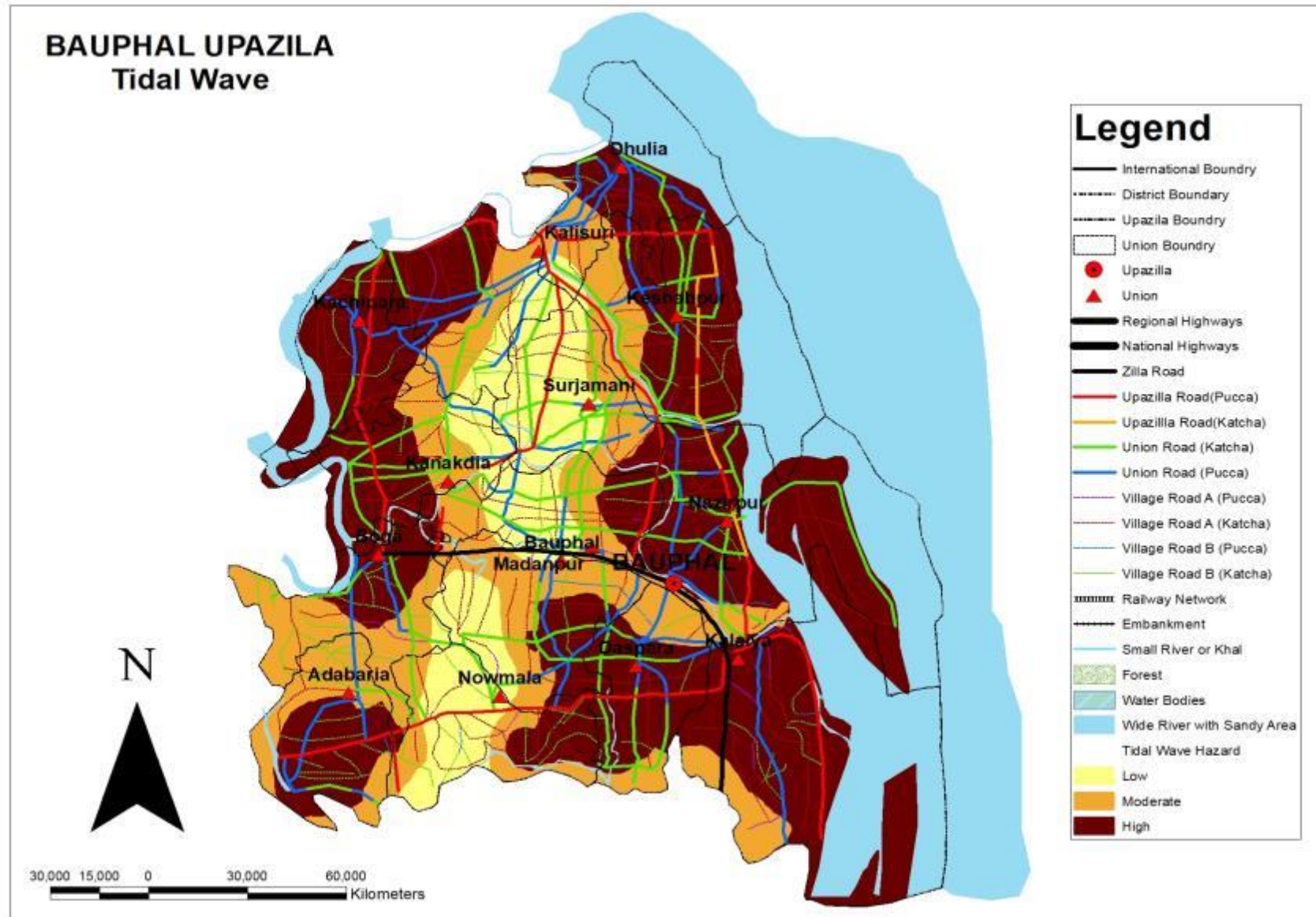
# Annex 12



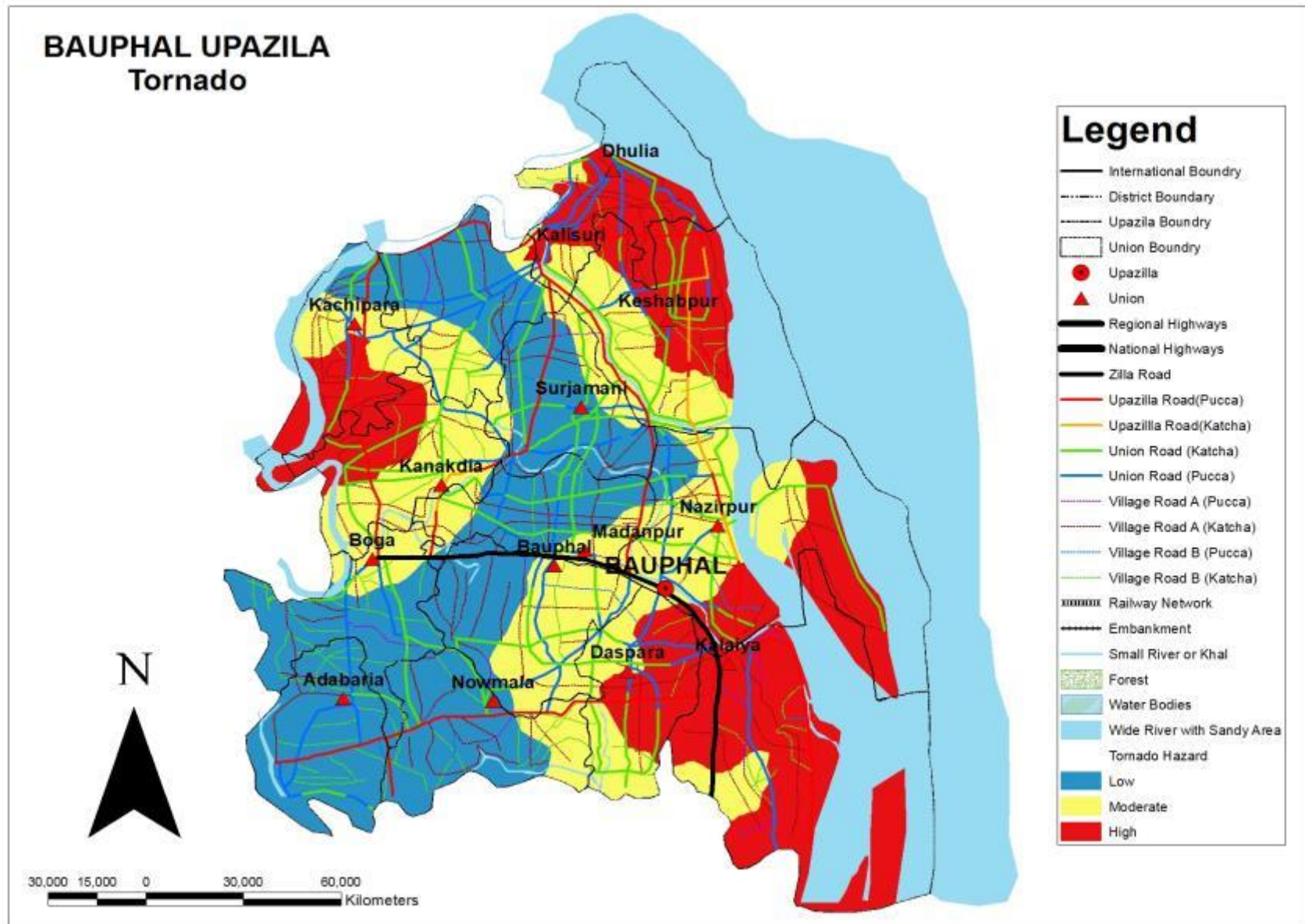
# Annex 13



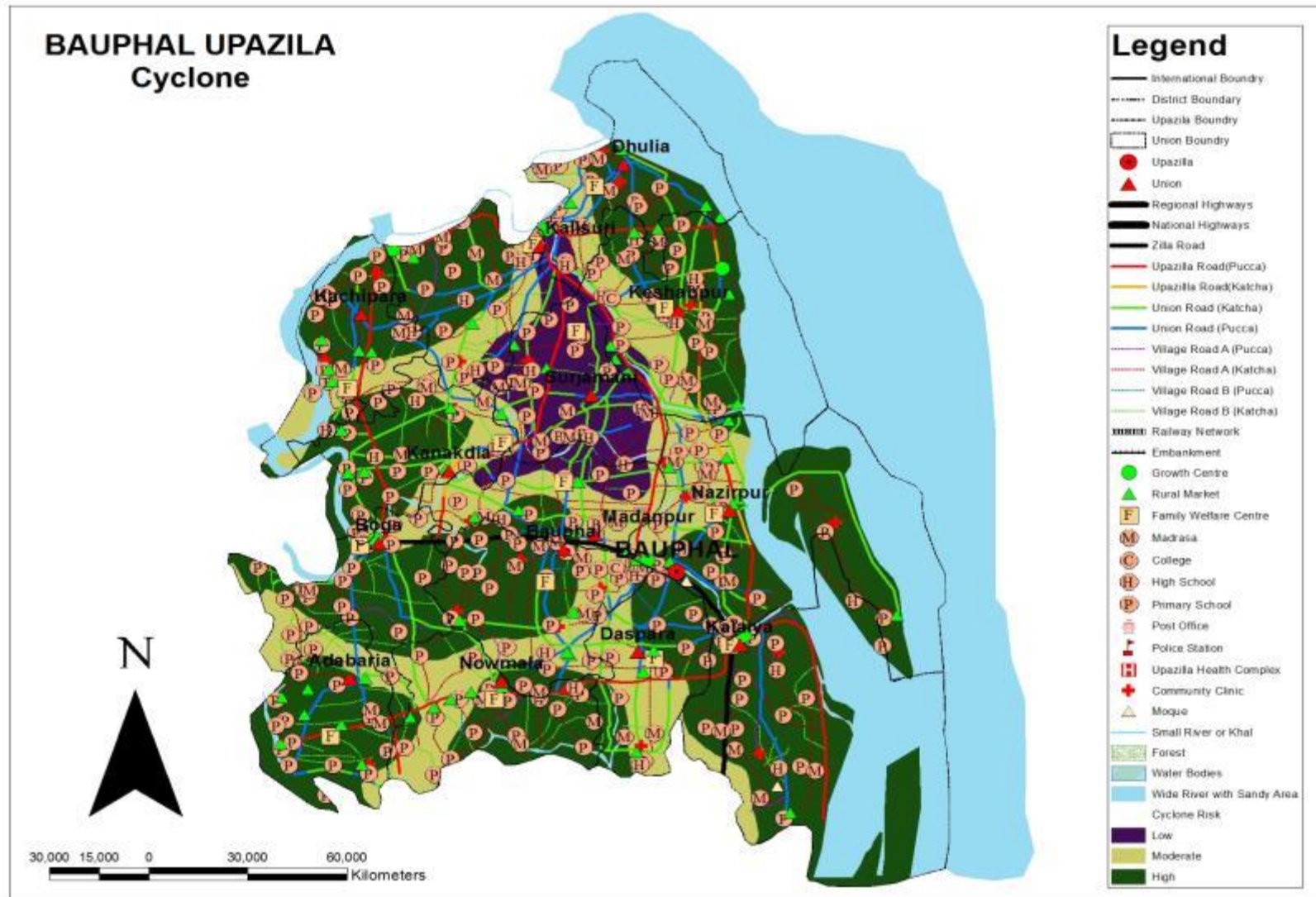
# Annex 14



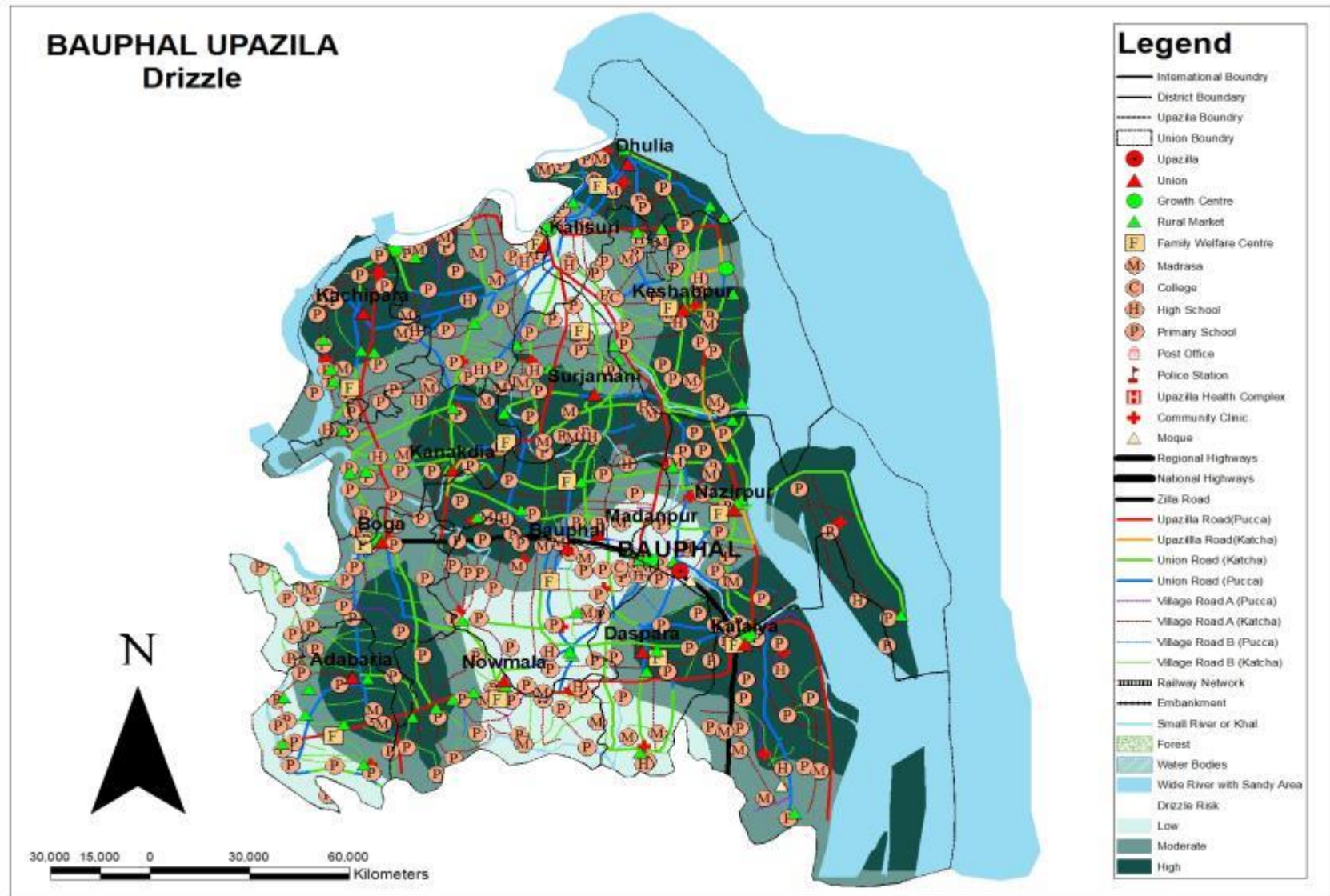
# Annex 15



# Annex 16

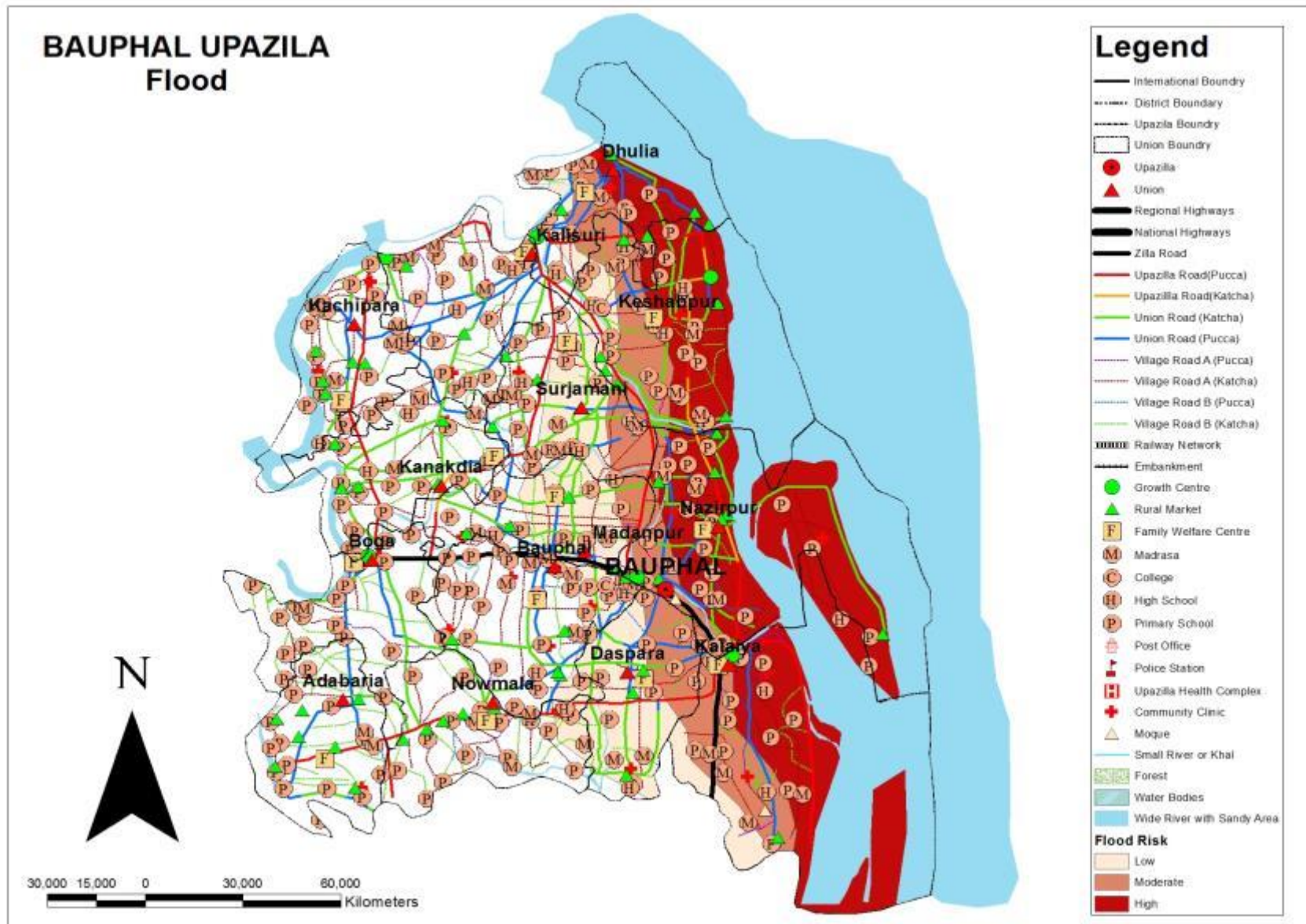


# Annex 17

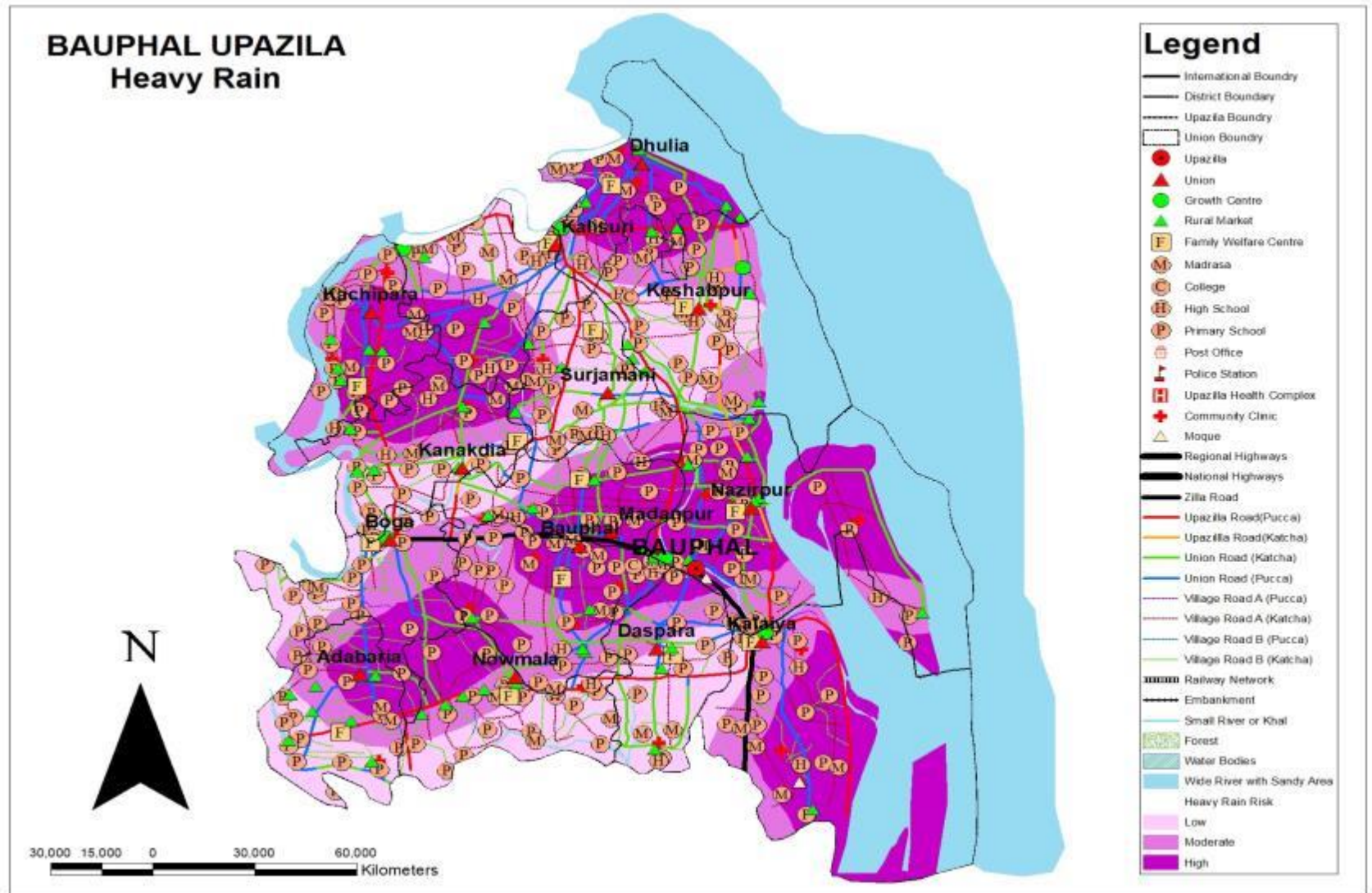




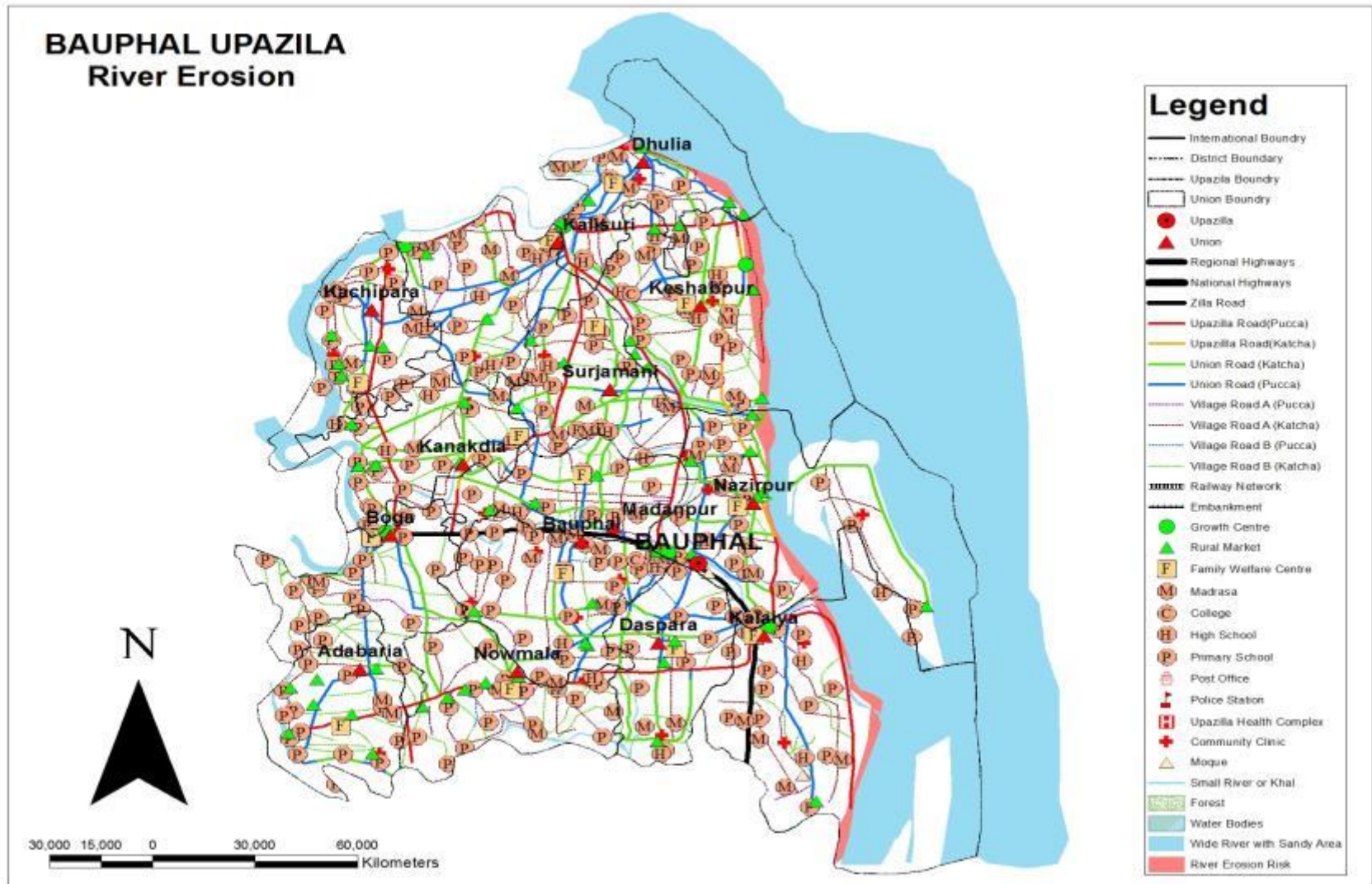
# Annex 18



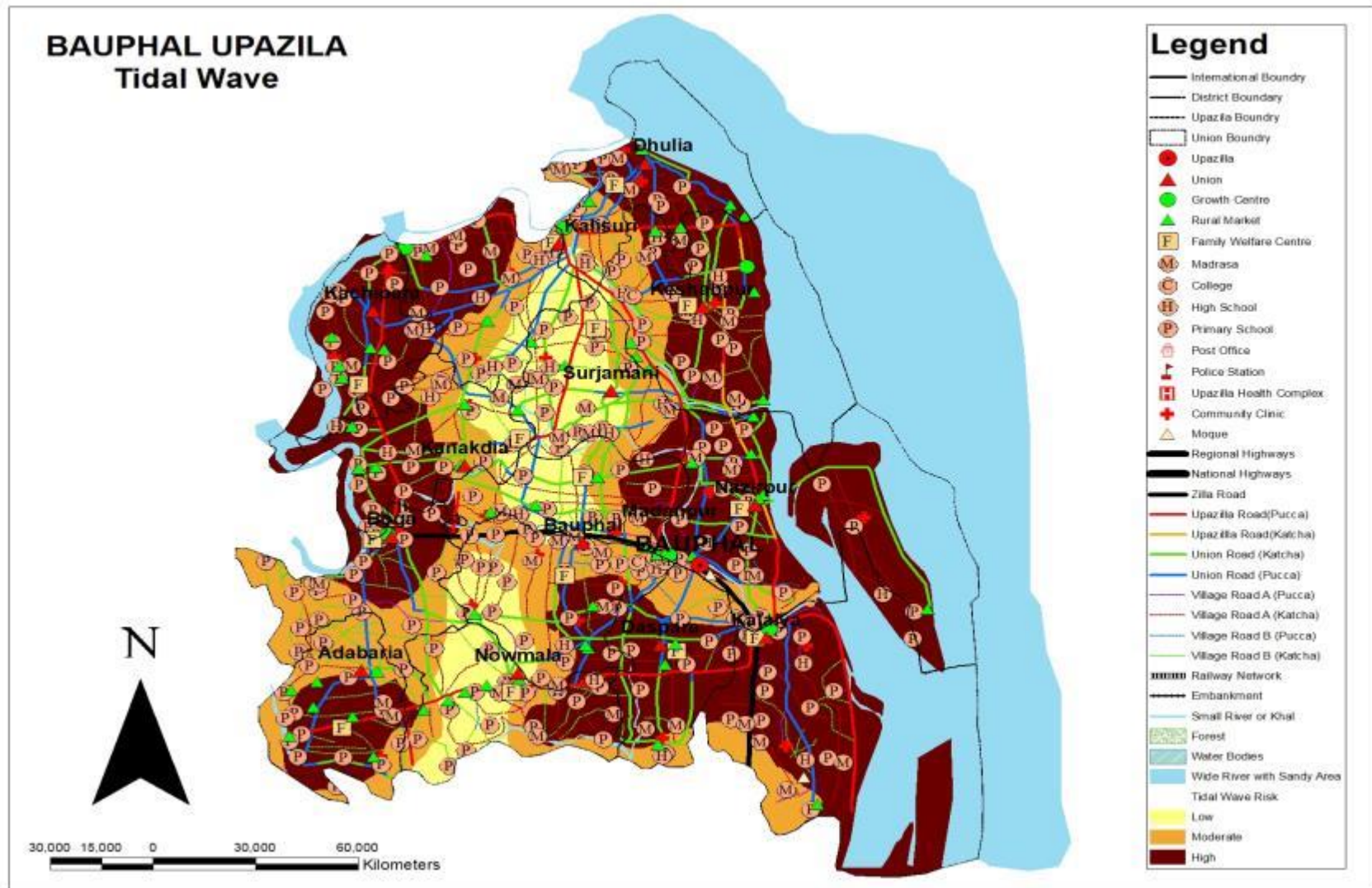
# Annex 19



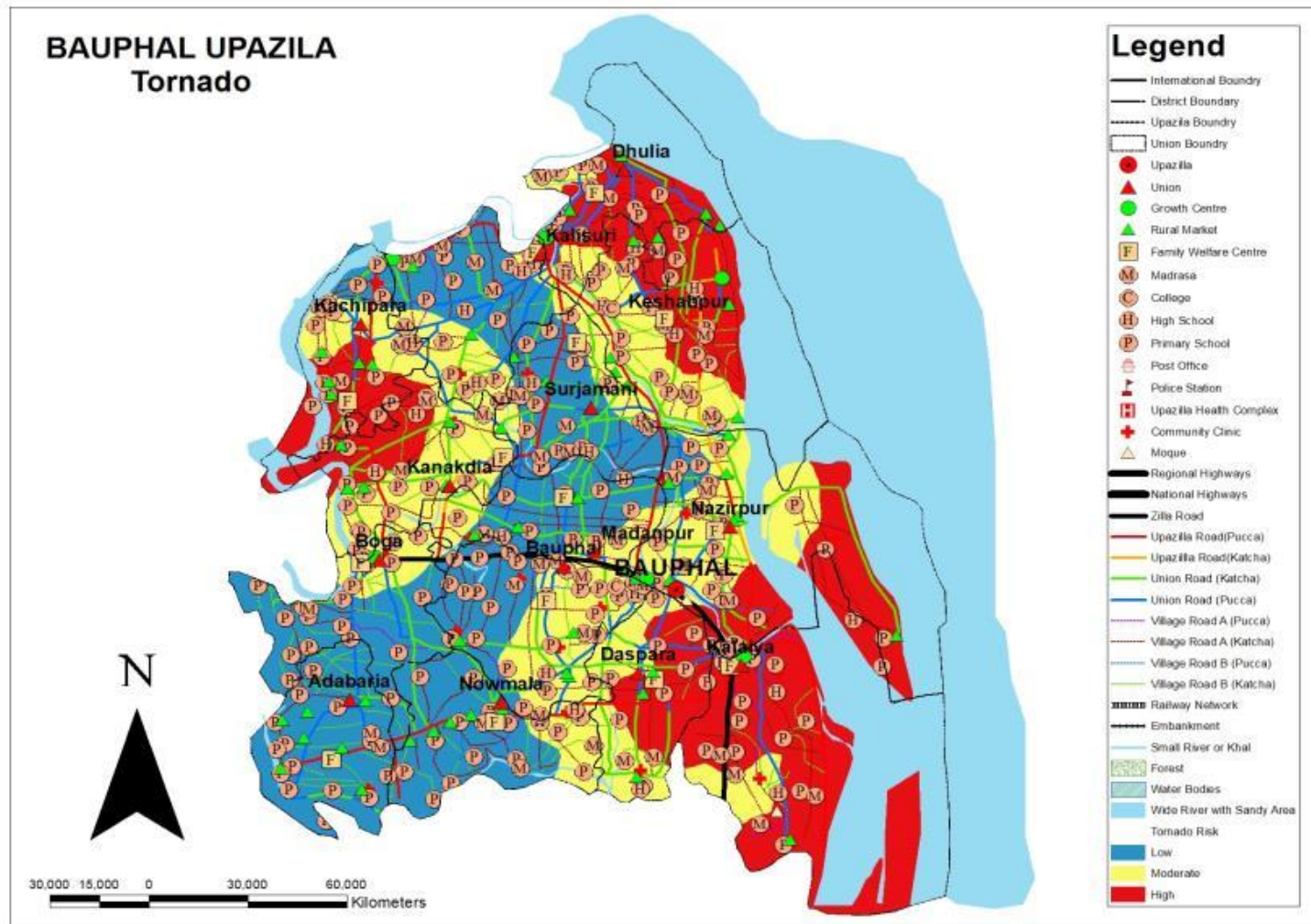
# Annex 20



# Annex 21



# Annex 22





Empowered lives.  
Resilient nations.