

Government of the People's Republic of Bangladesh Ministry of Housing and Public Works Urban development Directorate (UDD)

"Preparation of Development Plan for Fourteen Upazilas" Package-03 Bagmara Upazila, Rajshahi Faridpur Sadar Upazila, Faridpur and Gangni Upazila, Meherpur.

Implemented By:



Presentation

on

Final Plan of Bagmara Upazila, Rajshahi Under Fourteen Upazilas Project Date: 30th May, 2018

Presented by

Mohammad Jamal Uddin (Chief Consultant) Abdulla Al Fahad (Urban Planner)

Implemented By:

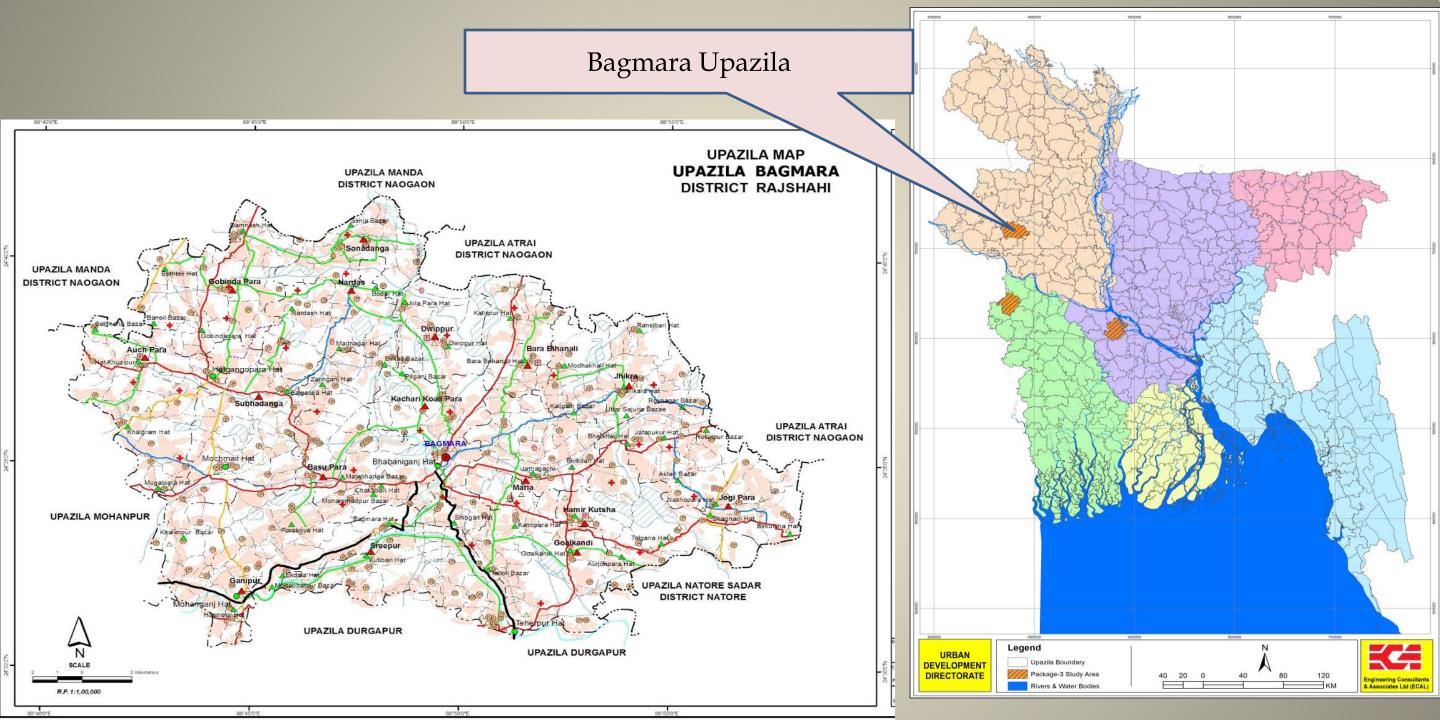
Engineering Consultants and Associates Limited (ECAL)

Vision

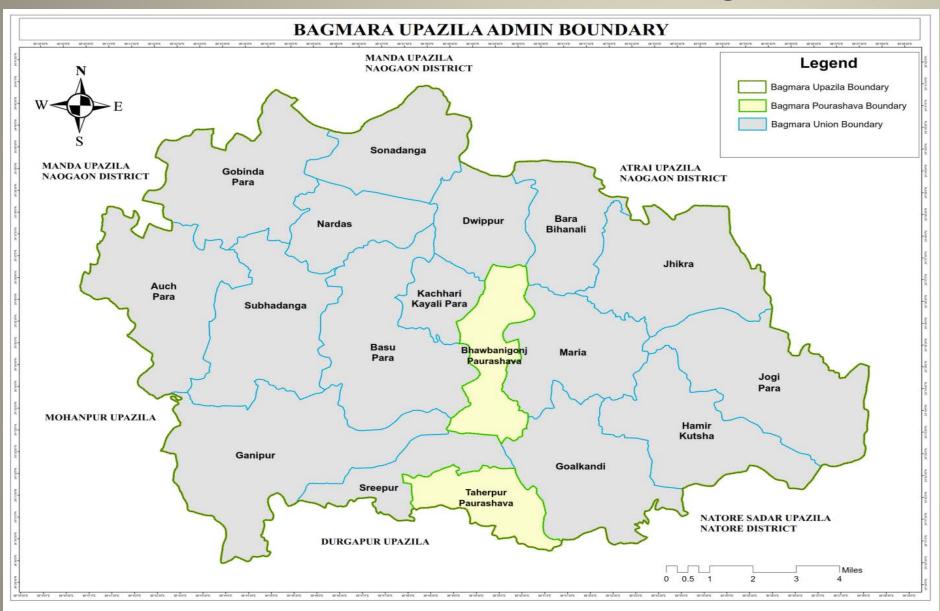
Bangladesh is now approaching towards achieving the status of developing nation. This plan will help meet this goal along with the SDGs of Bangladesh at Upazila level. There are some upazillas which are not well enough but rich in terms of resources. These Upazillas need proper utilization of it s resources in planned manner to achieve the vison of development that Bangladesh heading for. **Bagmara** is rich in resources and now needs planned development for its sustainable growth.

Objectives

- To find the development issues and potential of the Upazila and make a 20 year development vision
- To develop, improve and update provisions for better transport network, housing, social and community needs of the poor and the disadvantaged groups for a better quality of life.
- To prepare a multi-sector short and long term investment plan through participatory process for better living standards by identifying area based priority
- To provide controlled provisions for private sector development, clarity and security with regard to future development



Introduction to Bagmara Upazila



Area = 363.3 sq km,

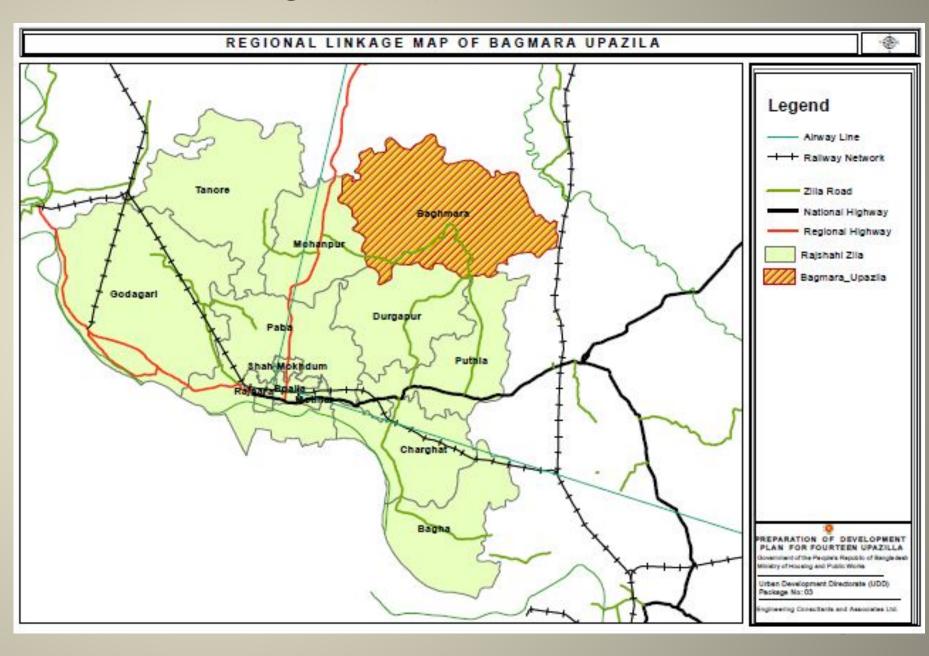
Thana was formed in 1869 and it was turned into an Upazila in 1984.

Water Bodies:

Baranai; Fakinni river, Beel Joshoi, Takta Beel, Mosher Beel, Nakkati Beel, Katila Beel

Regional Context of Bagmara Upazila

Bagmara Upazila has great significance in the context of road network. Bagmara Upazila is directly connected with Mohonpur, Durgapur and Puthia through the zila road. This zila road also covers Godagari, Poba, Shahmokhdum, Rajpara, Boalia Charghat and Bagha. The highway doesn't cover Bagmara regional Upazila. It Godagari, Poba, covers Shahmokhdum, Rajpara, Boalia and Moanpur. There is no railway network in Bagmara Upazila. Railway network passes by the outside of Bagmara Upazila area.



Population Distribution at Different Administrative Tier

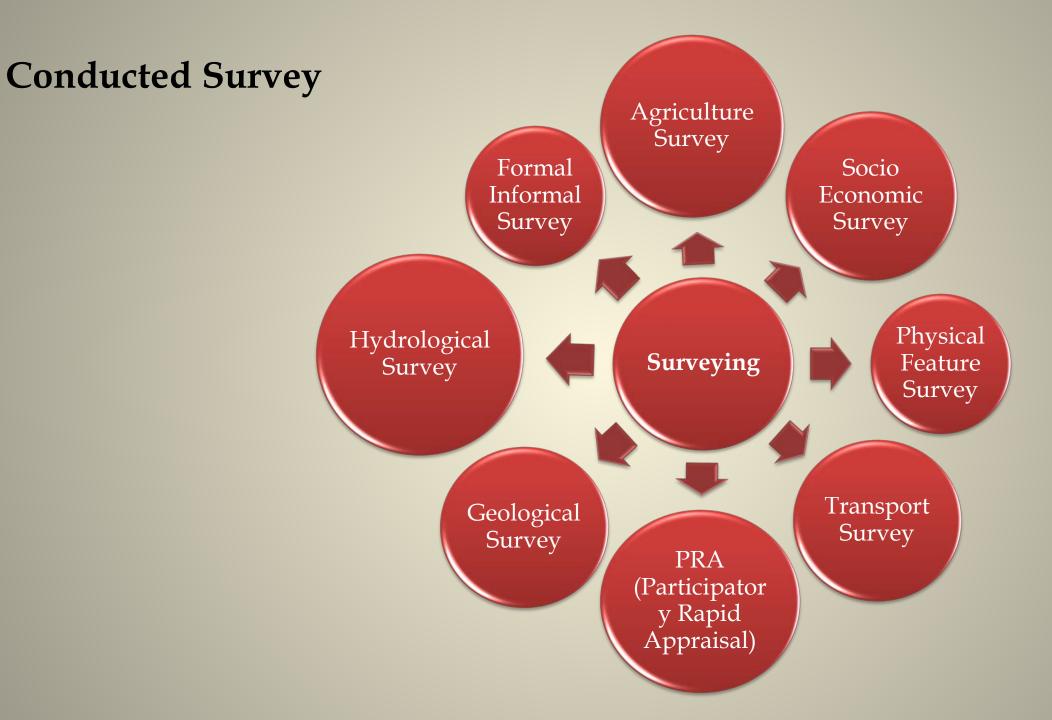
			Upaz	zila (363.3 sq.)	km)			
Municipality	Union	Mouza	Village	Population		Density (per Sq.	Literac	5
				Urban	Rural	km)	(⁰∕ Urban	o) Rural
2	16	358	332	35,899	3,18,765	881	70.30	38.31

Bwabaniganj Municipality (Pouro Webportal)					
Area (sq. km.)	Ward	Mahalla	Population	Density (per sq. km)	Literacy rate (%)
10.00	9	23	17955	1,178	64.6

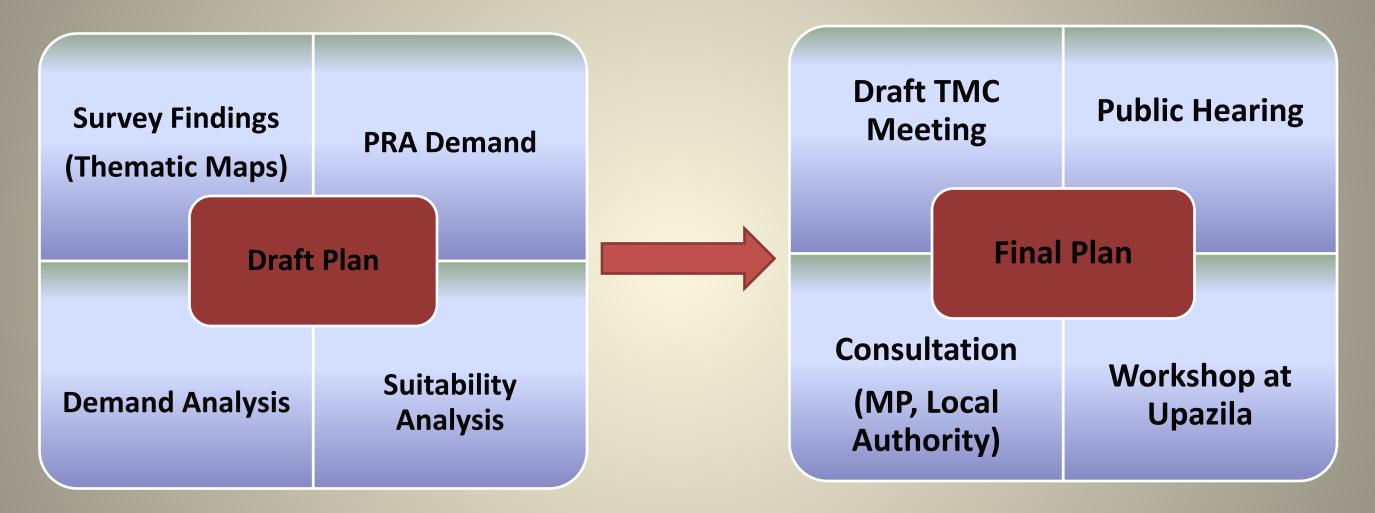
Taherpur Municipality (Pouro Webportal)					
Area (sq. km.)	Ward	Mahalla	Population	Density (per sq. km)	Literacy rate (%)
10.825	9	18	17944	778	76

Plan Preparation Methodology

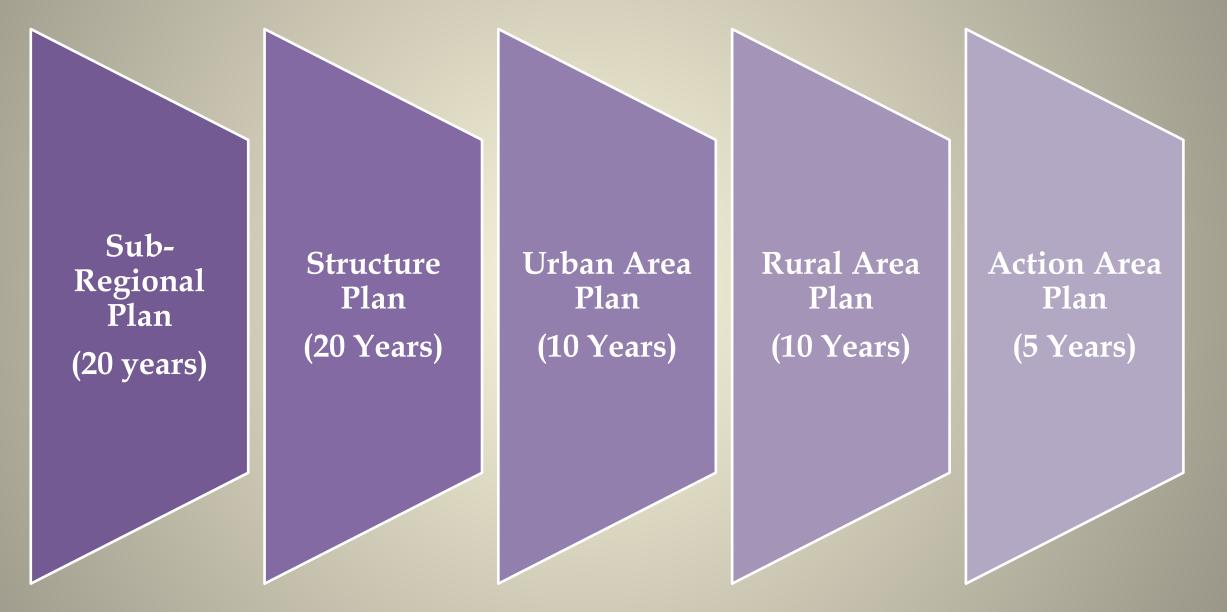


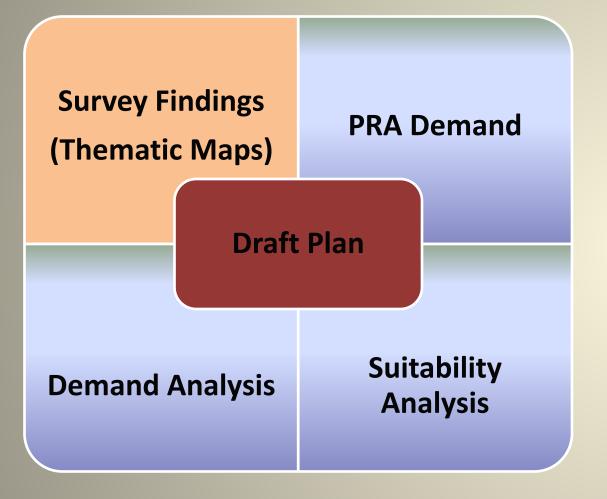


Plan Procedure



5 Tier of Development Plan

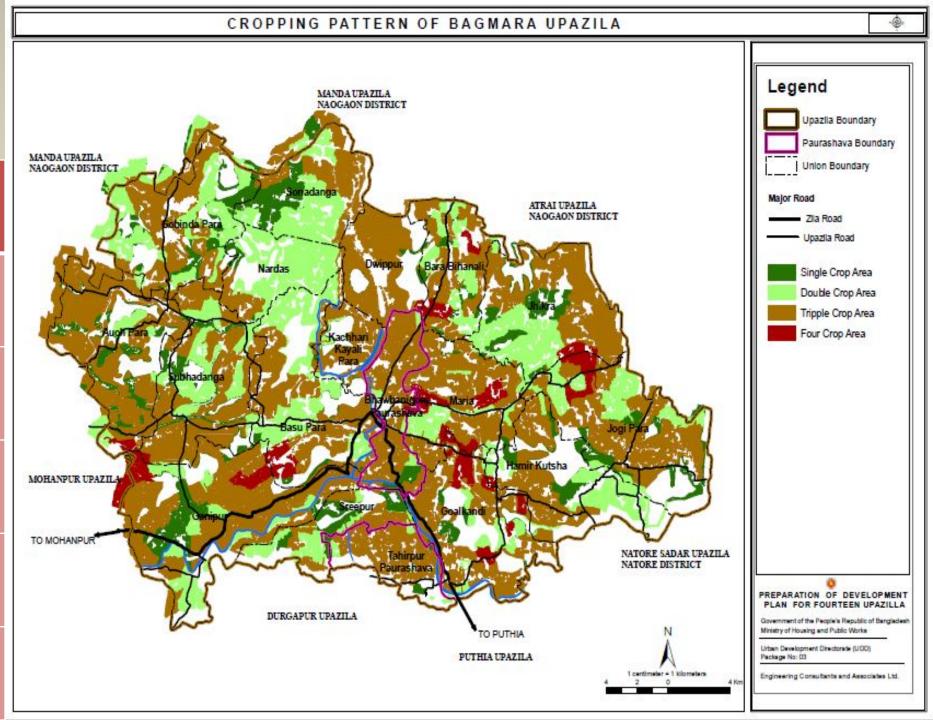




Survey Findings (Thematic Maps)

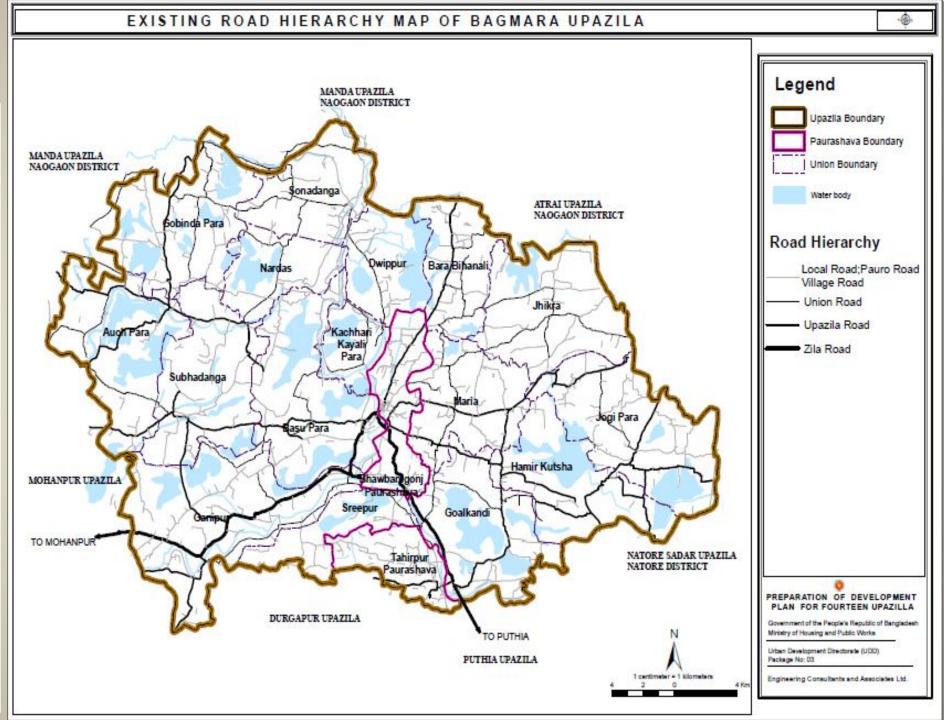
Cropping Intensity Map of Bagmara Upazila

Cropping	Area in	Area in	Percentage
Pattern	Acre	Sq.km	
Single	7790.023	31.52510	12.85%
Cropping	111	5	
Double	15651.78	63.34054	25.81%
Cropping	868	2	
Triple	34876.84	141.1415	57.51%
Cropping	722	93	
Four Cropping	2324.321 155	9.406194	3.83%
Total	60642.98 017	245.4134 34	100%



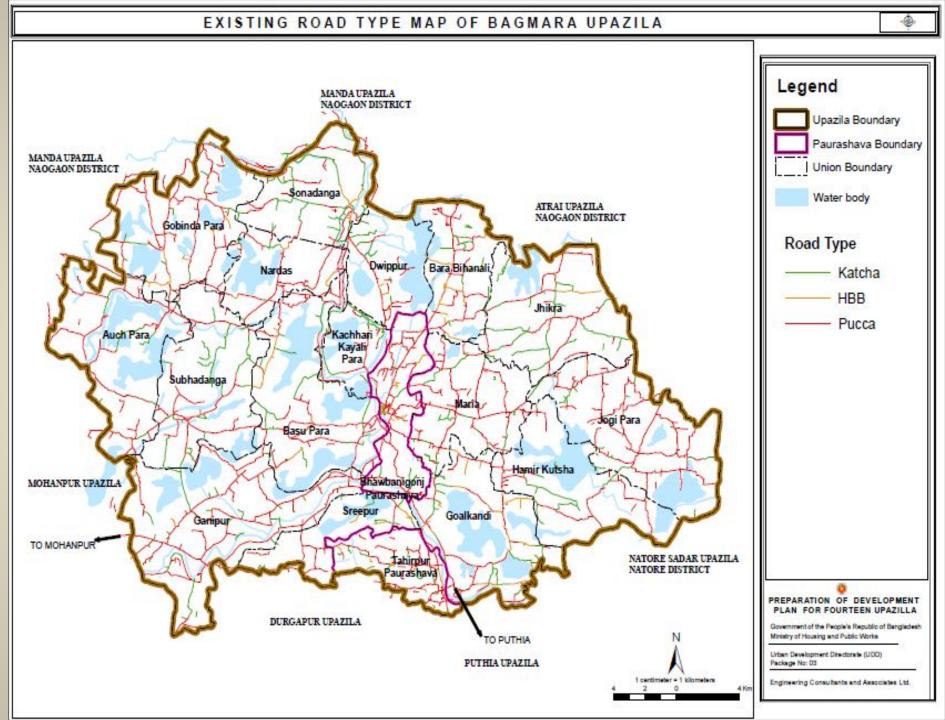
Existing Circulation Network

Road Hierarchy	Length in Km.	Percentage
Local Road	14.07	2.03%
Pouro Road	41.75	6.02%
Union Road	152.14	21.93%
Upazila Road	123.95	17.87%
Village Road	338.57	48.80%
Zilla Road	23.35	3.36%
Total	693.83	100.00%



Existing Circulation Network

Road Type	Length in Km.	Percentage
Katcha	166.96	24.15%
HBB	45.32	6.55%
Pucca	479.06	69.30%
Total	691.34	100%

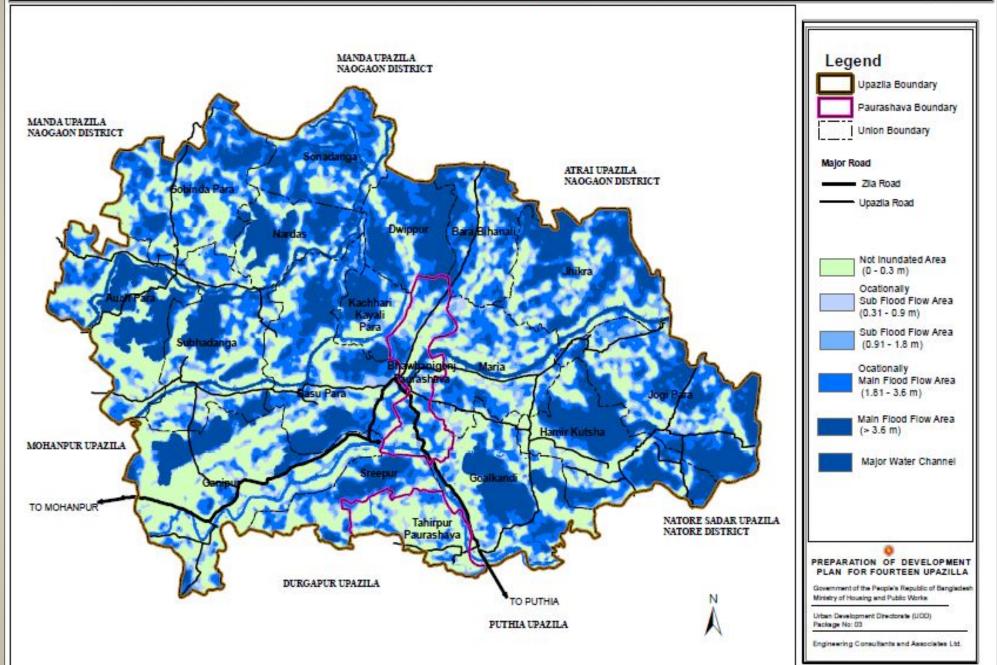


Flood Inundation Map

Flooded Land Category	Water Depth	Percent age area	Remarks
1st Degree			Not
Flooded	0-0.3m		Inundated
area		28%	Area
2nd Degree Flooded	0.31-		Ocationally Sub Flood
area	0.9m	9%	Flow Area
3rd Degree Flooded area	0.91- 1.8m	13%	Sub Flood Flow Area
4th Degree Flooded area	1.81- 3.6m	22%	Ocationally Main Flood Flow Area
5th Degree Flooded area	>3.6m	27%	Main Flood Flow Area

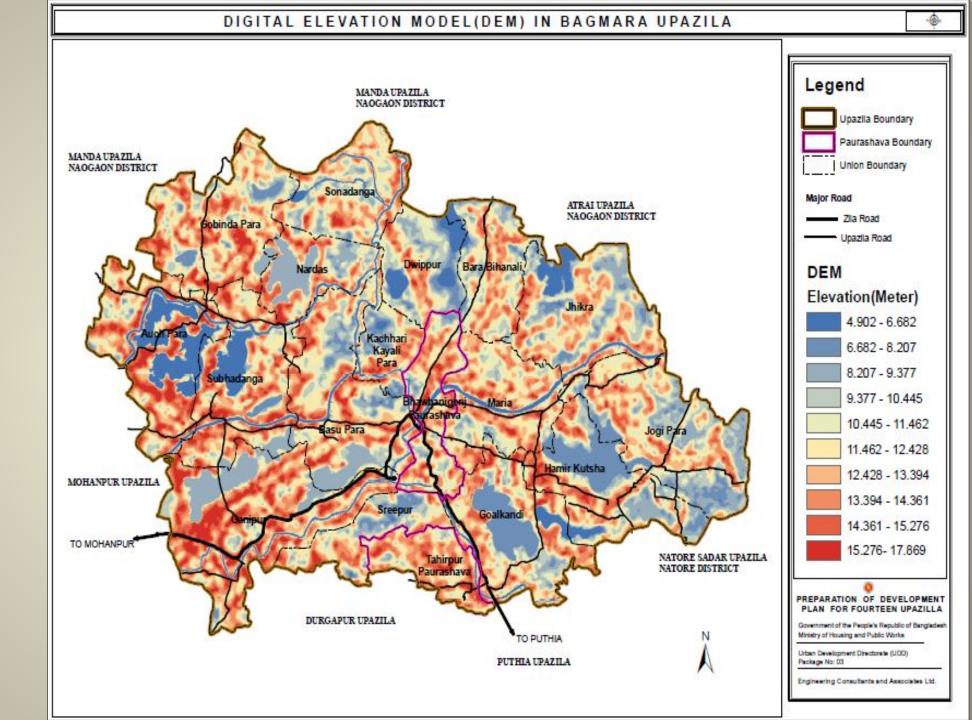




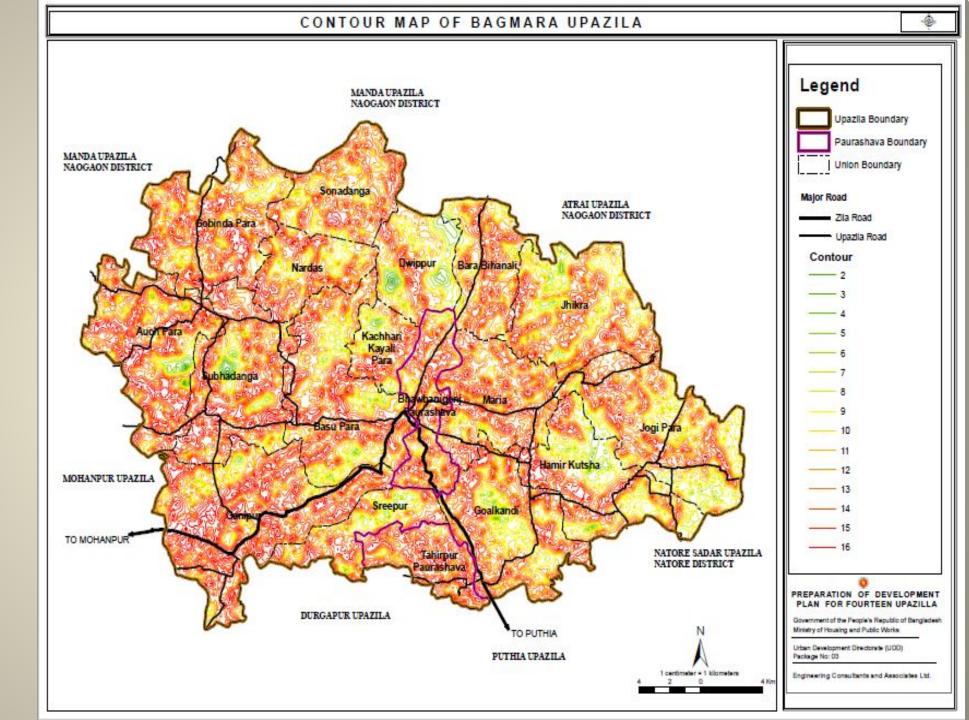


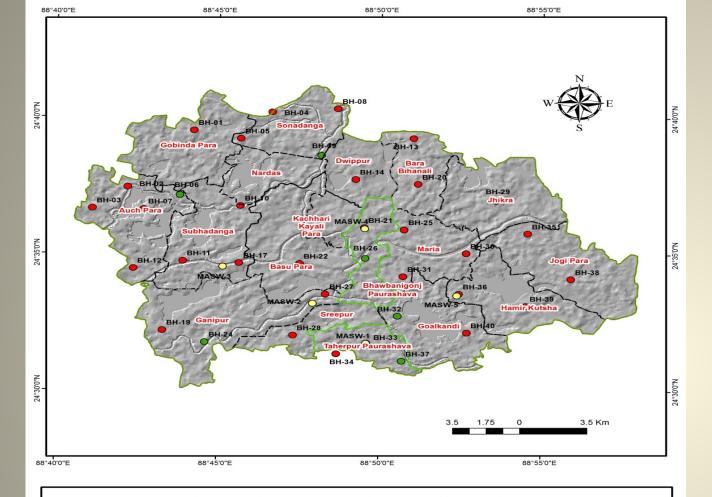
Digital Elevation Model in Bagmara Upazila

The overall elevation condition in Bagmara Upazila moderately good. The is higher elevation has been found in Ganipur, Gobindapara Union and half portion of Subhadanga Union. Taherpur and Bwabanigonj Pourashava have a medium elevation in context of the unions where higher elevation has been found.



Contour Map of Bagmara Upazila



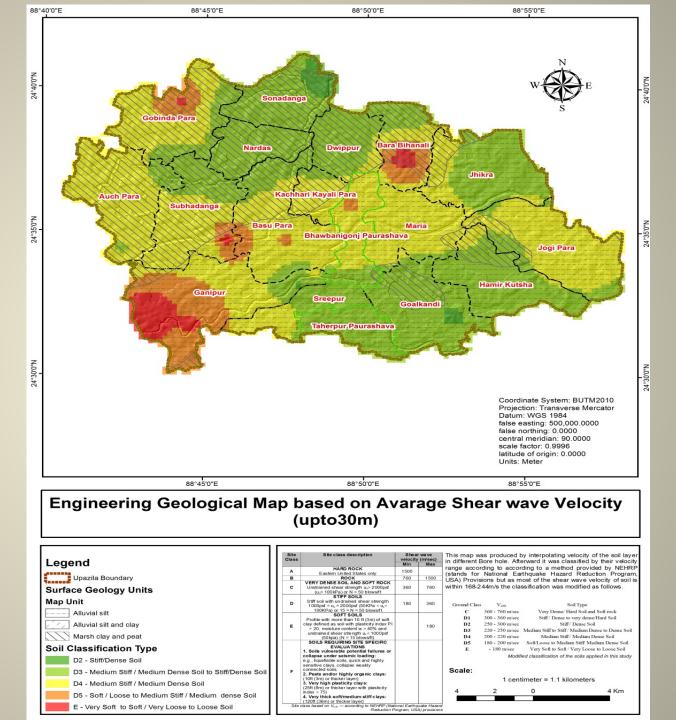


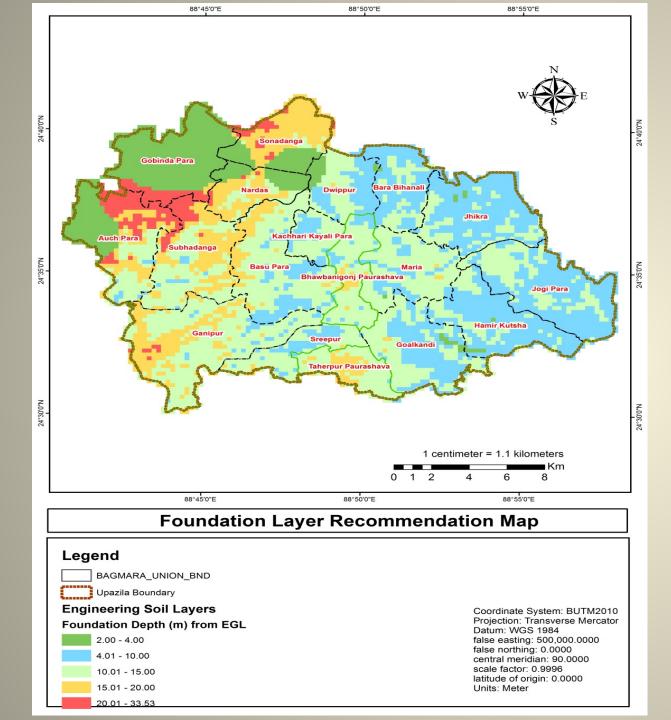
Geotechnical and Geophysical Test locations of Bagmara Upazila

Legend Work Locations Geotechnical and Geophysical Test Downhole Seismic Test (PS Logging) Multi-channel Analysis of Surface Wave (MASW) Standard Penetration Test (SPT) Drilling BAGMARA_UNION_BND Upazila Boundary	This map has been produced by ploting the co-ordinates of all the Geotchnical and Geophysical works which was aquired during field investigation. The drilling depth of those boroholes are up to 30m from the existing ground level (EGL).	Coordinate System: BUTM2010 Projection: Transverse Mercator Datum: WGS 1984 false easting: 500,000.0000 false northing: 0.0000 central meridian: 90.0000 scale factor: 0.9996 latitude of origin: 0.0000 Units: Meter
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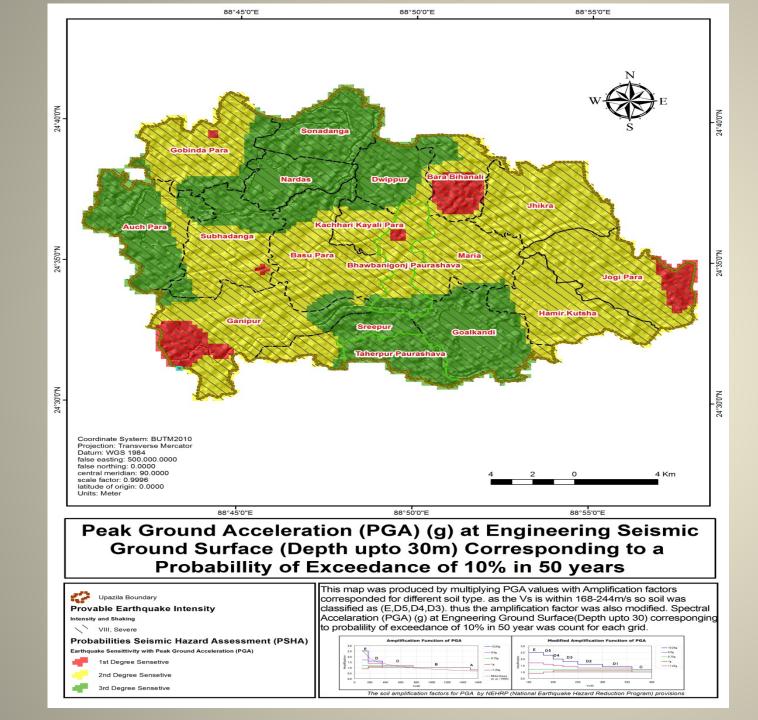
Geological Works

Geological Works (Soil Classification)

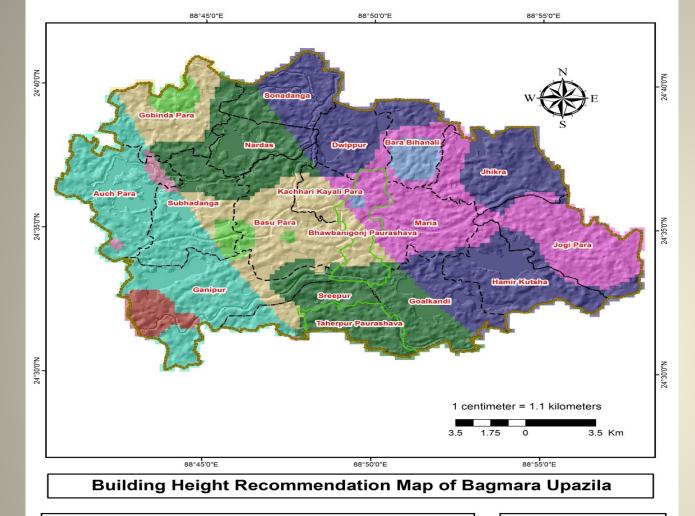




Geological Works (Foundation Layer Recommendation)



Geological Works (Probabilities Seismic Hazard Assessment)

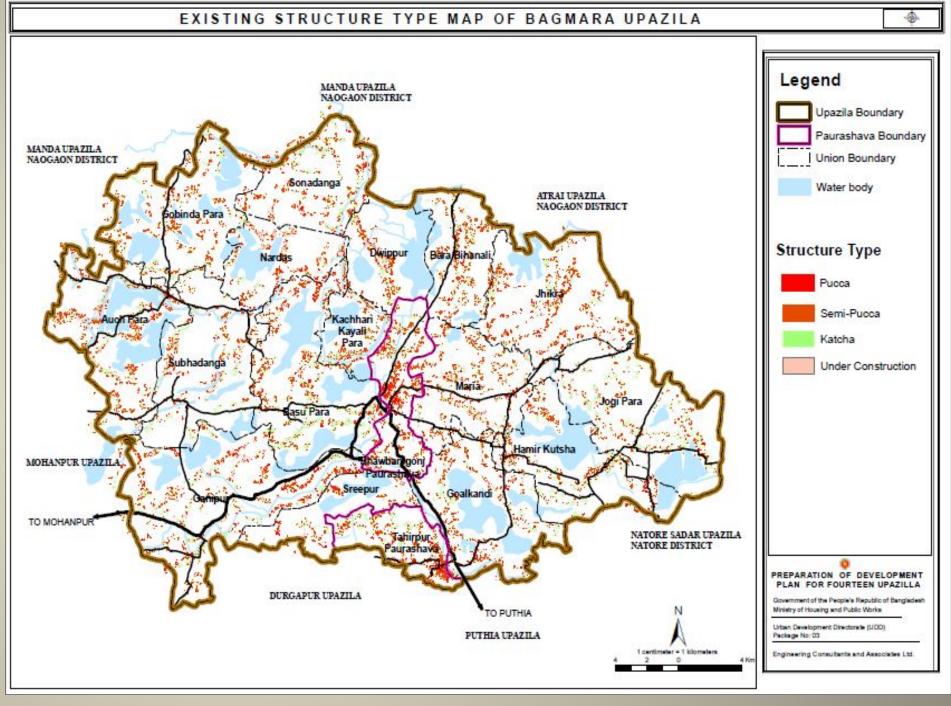




Coordinate System: BUTM2010 Projection: Transverse Mercator Datum: WGS 1984 false easting: 500,000.0000 false northing: 0.0000 central meridian: 90.0000 scale factor: 0.9996 latitude of origin: 0.0000 Units: Meter Geological Works (Building Height Recommendation)

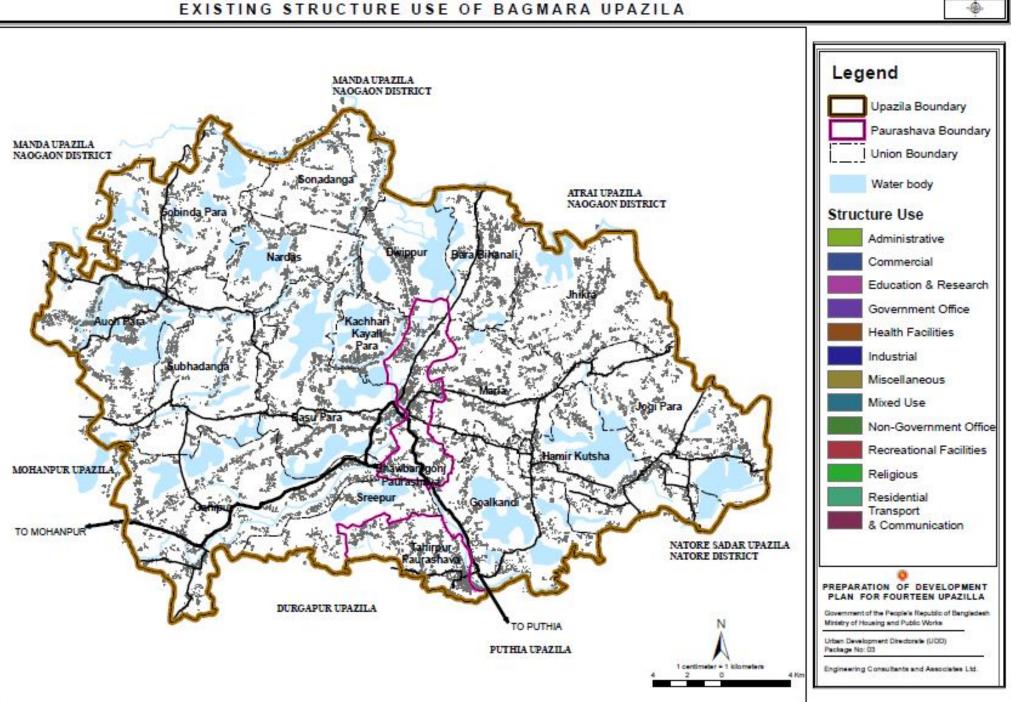
Existing Physical Features

Structure	No. of	Percentage
Туре	Structures	
Katcha	17055	27.33%
Semi	39703	
Pucca	39703	63.62%
Pucca	5604	8.98%
Under		
Constructi	48	
on		0.08%
Total	62410	100%



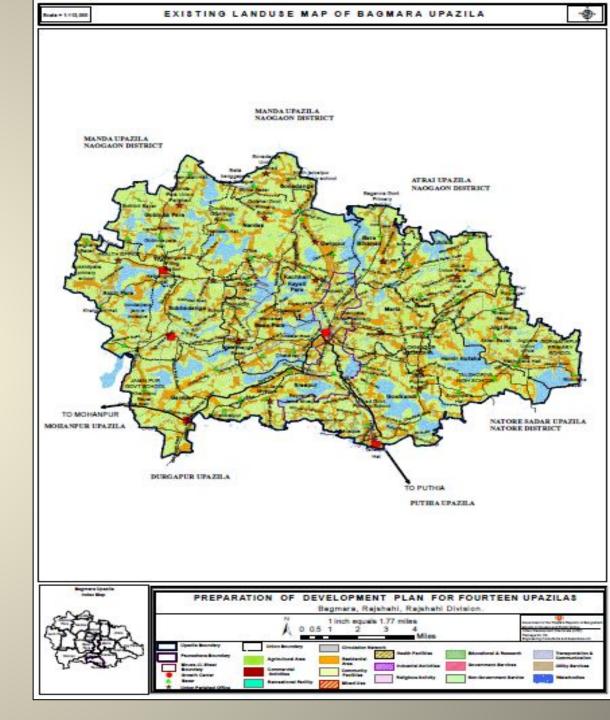
Existing Physical Features

	No. of
Structure Use	Structures
Administrative	123
Agricultural	70
Commercial	1982
Community Facilities	2
Education and Research	220
Health Facilities	22
Industrial	34
Miscellaneous	37
Mixed Use	60
Non-Government	
Services	21
Recreational Facilities	2
Religious	97
Residential	59723
Transportation Facilities	9
Utility Facilities	8



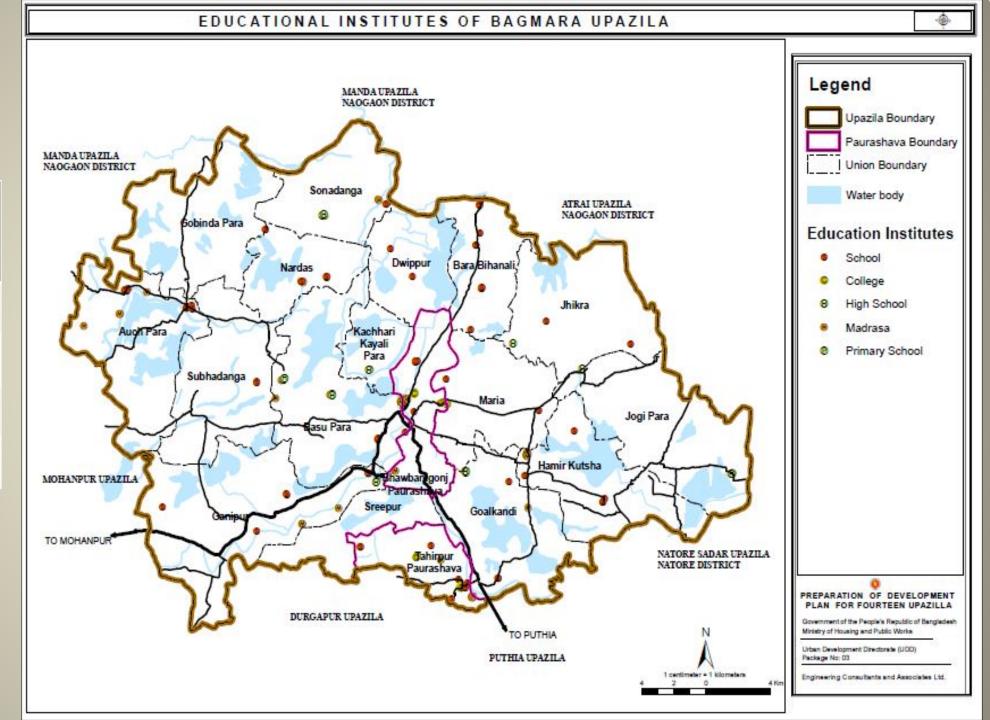
Landuse Map of Bagmara Upazila

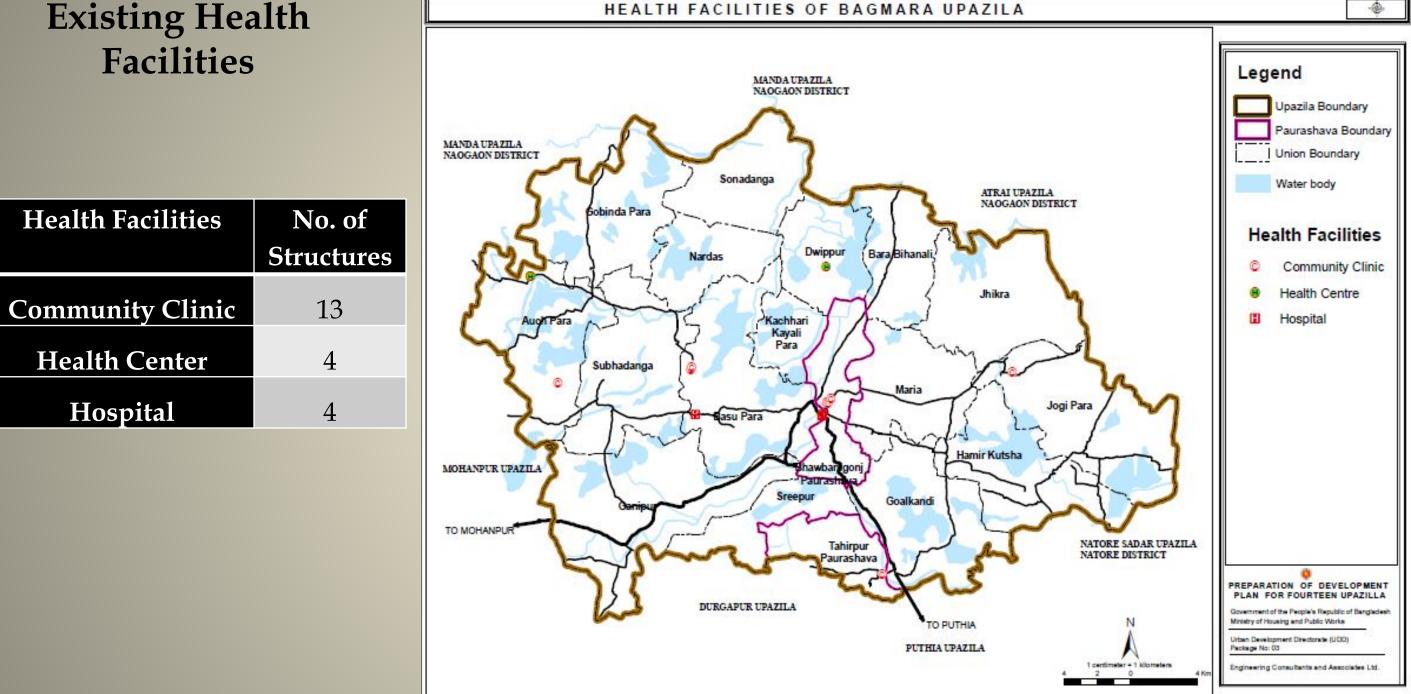
Landuse	Area in Acres	Area in Sq.km
Administrative	26.46	0.107072
Agricultural	58611.48	237.192252
Commercial	164.12	0.664175
Community Facilities	0.39	0.001594
Education & Research	61.28	0.247976
Health Facilities	2.63	0.01066
Industrial	6.96	0.028185
Miscellaneous	0.50	0.002008
Mixed Use	14.86	0.060136
NGO	0.51	0.002046
Recreational Facilities	0.14	0.00056
Religious	8.55	0.034616
Residential	16316.24	66.029498
Utility Facilities	0.91	0.003689
Waterbodies	15502.78	62.737509
Circulation Network	495.50	2.00523
Total	91213.32	369.13



Existing Educational Facilities

Educational Facilities	No. of Structures
Primary School/School	124
High school	21
College	22
Madrasa	46







PRA Demand

Union/Ward	Problems	Potentials
Auchpara Union	 Communication Pure drinking water Drainage problem Education Unemployment 	 Agricultural land Fruit garden Cattle farming Fish farming Active manpower
Basu Para Union	 Communication Pure drinking water Agricultural problem Educational infrastructure Health service 	 Agricultural land Educated people Cattle farming Fish farming Farmer
Bara Bihanali Union	 Communication HealthFacilities Water Logging Electricity Child Marriage 	 Agriculture Fisheries Livestock & Fisheries Hat-Bazar Man power
Dwippur Union	 Communication Health Facilities Water Logging Electricity Child Marriage 	 Agriculture Fisheries Livestock & Fisheries Hat-Bazar Man power
Goalkandi Union	 Polder Communication Pure Drinking water Agricultural Instruments Health Complex lacking 	 Beel Agricultural Land availability Fisheries Active Manpower Livestock

Union/Ward	Problems	Potentials
Gabindapara Union	 Communication Electricity Pure Drinking Water Modern Education Agriculture 	 Agricultural Land Active Manpower Livestock & Fisheries Educational Institutions Hat-Bazar
Gonipur Union	 Communication Pure Drinking Water Electricity Education Health 	 Bettle leaf Agriculture Fisheries Livestock Hat-Bazar
Hamirkutsha Union	 Communication Health Facilities Water Logging Electricity Child Marriage 	 Agriculture Fisheries Livestock Hat-Bazar Man Power
Jhikra Union	 Communication Electricity Water Logging Health Facilities Industry Lacking 	 Agriculture Land Fisheries Livestock Hat-Bazar Fruits & Forest
Jogipara Union	 Communication Pure Drinking Water Drainage Problem Education Unemployment 	 Agriculture Land Fruit Garden Cattle Farming Fish Farming Active Manpower

Union/Ward	Problems	Potentials
Kachari Kayalipara Union	 Communication Electricity Educational Institute Health Facilities River Digging 	 Agriculture Fisheries Livestock Adeqate River Man Power
Maria Union	 Communication Agricultural Facilities Health Facilities Residential Agriculture 	 Agriculture Land Fruit Garden Cattle Farming Fish Farming Active Manpower
Nordas Union	 Communication Pure Drinking Water Drainage Problem Education Unemployment 	 Agriculture Land Fruit Garden Cattle Farming Fish Farming Active Manpower
Sonadanga Union	 Communication Water Logging Education Agricultural Facilities Electricity & Fuel 	 Agriculture Fruit Garden Manpower Livestock & Fisheries Hat-Bazar
Sreepur Union	 Communication Agricultural Facilities Health Facilities Residential Agriculture 	 Agriculture Land Fruit Garden Cattle Farming Fish Farmnig Acticve Manpower

Union/Ward	Problems	Potentials
Subhadanga Union	 Communication Agricultural Facilities Health Facilities Residential Agriculture 	 Agriculture Land Educated Person Cattle Farming Fish Farmnig Active Manpower
Bwabanigonj Pourashava Ward No. 01	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Bwabanigonj Pourashava Ward No. 02	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Bwabanigonj Pourashava Ward No. 03	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Bwabanigonj Pourashava Ward No. 04	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City

Union/Ward	Problems	Potentials
Bwabanigonj Pourashava Ward No. 05	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Bwabanigonj Pourashava Ward No. 06	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Bwabanigonj Pourashava Ward No. 07	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Bwabanigonj Pourashava Ward No. 08	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Bwabanigonj Pourashava Ward No. 09	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City

Union/Ward	Problems	Potentials
Taherpur Pourashava Ward No. 01	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Taherpur Pourashava Ward No. 02	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Taherpur Pourashava Ward No. 03	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Taherpur Pourashava Ward No. 04	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City
Taherpur Pourashava Ward No. 05	 Shortage of Pure Drinking Water Road Broken Water Logging Unemployment to Women Problem of Drug addiction & Entertainment 	 River Children Park Natural Cannel Bus Stand Main Road in City

Union/Ward	Problems	Potentials
Taherpur Pourashava Ward No. 06	 Shortage of Pure Drinking Water 	> River
	Road Broken	Children Park
	Water Logging	Natural Cannel
	Unemployment to Women	Bus Stand
	 Problem of Drug addiction & Entertainment 	Main Road in City
Tab orreary Description because	 Shortage of Pure Drinking Water 	> River
	Road Broken	Children Park
Taherpur Pourashava Ward No. 07	 Water Logging 	Natural Cannel
	 Unemployment to Women 	Bus Stand
	 Problem of Drug addiction & Entertainment 	Main Road in City
	 Shortage of Pure Drinking Water 	> River
Taherpur Pourashava	Road Broken	Children Park
Ward No. 08	Water Logging	Natural Cannel
	Unemployment to Women	Bus Stand
	 Problem of Drug addiction & Entertainment 	Main Road in City
Taherpur Pourashava Ward No. 09	 Shortage of Pure Drinking Water 	> River
	Road Broken	Children Park
	Water Logging	Natural Cannel
	Unemployment to Women	Bus Stand
	 Problem of Drug addiction & Entertainment 	Main Road in City

Participatory Rapid Appraisal (PRA) - City Level



PRA Taherpur Pourashava, Bagmara



PRA Bwabaniganj Pourashava, Bagmara





Demand Analysis

Projected Population

Exponential Compound Growth Method has been used for population projection

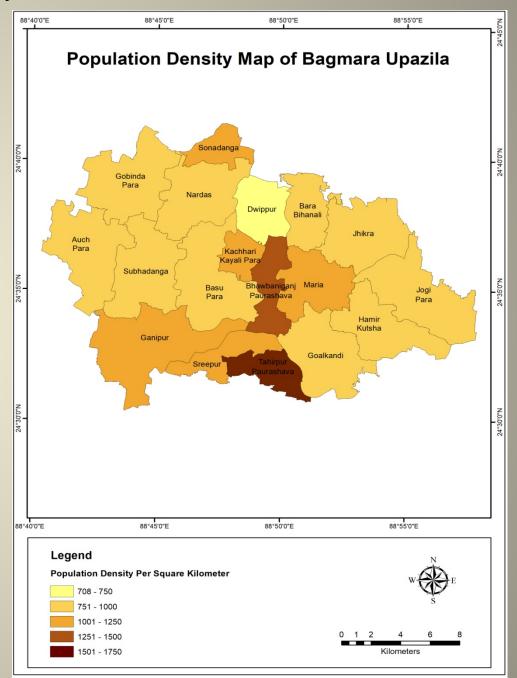
Area	Base Year Population	Projected Population (Consider Medium Growth Rate, 1.28%)			
	(BBS,2011)	2018	2023	2028	2035
Paurashava	35899	39242	41818	44564	48714
Rural Area	318765	348447	371326	395707	432553
Total	354664	387689	413144	440271	481267

Urban Area Population Projection

Pourashava	Base Year Population	Projected Population (Consider Medium Growth Rate, 1.28%)			
	(BBS,2011)	2018	2023	2028	2035
Bwabaniganj	17955	19627	20916	22289	24364
Taherpur	17944	19615	20903	22275	24349

Rural Area Population Projection

Unions	Base Year Population (BBS,2011)	Projected Population (Consider Medium Growth Rate, 1.28%) 2035
Auch Para	26685	36211
Bara Bihanali	12571	17058
Basu Para	26943	36561
Dwippur	9852	13369
Goalkandi	24275	32940
Gobinda Para	22707	30813
Ganipur	36469	49487
Hamir Kutsha	19817	26891
Jhikra	22026	29889
Jogipara	24830	33693
Kachari Kayali Para	7509	10189
Maria	19487	26443
Nardas	19528	26499
Sonadanga	8684	11784
Sreepur	11789	15997
Shubhadanga	25593	34729



Demand Analysis of Bagmara Upazila

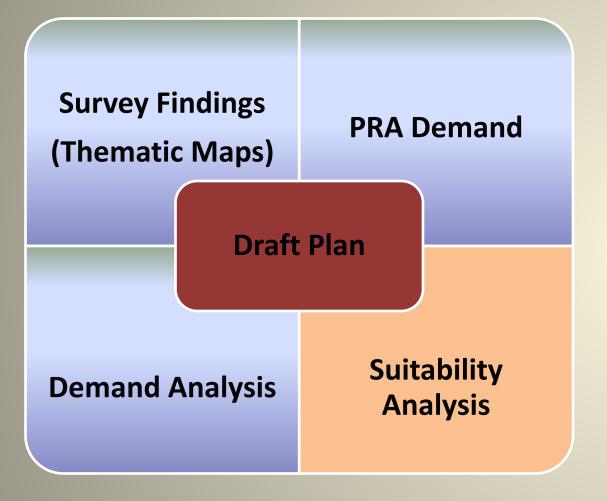
Union/ Paurashava	Facilties	Population Standard	Projected Population (2035)	Required Faciliities	Existing Facilities
	Primary School/ kindergarten	5000	24364	5	4
Dhaharinari	Secondary/High School	20000	24364	1	3
Bhabaniganj Deurocherer	College	20000	24364	1	3
Paurashava	Neighborhood park	10000	24364	2	1
	Health center	5000	24364	5	5
	Primary School/ kindergarten	5000	24349	5	4
Tabarran	Secondary/High School	20000	24349	1	4
Taherpur	College	20000	24349	1	3
Paurashava	Neighborhood park	10000	24349	2	0
	Health center	5000	24349	5	4
	Primary School/ kindergarten	5000	36211	7	14
Auch Para	Secondary/High School	20000	36211	2	6
	College	20000	36211	2	3
	Neighborhood park	10000	36211	4	0
	Health center	5000	36211	7	5

Union/ Paurashava	Facilties	Population Standard	Projected Population (2035)	Required Faciliities	Existing Facilities
	Primary School/ kindergarten	5000	17058	3	0
	Secondary/High School	20000	17058	1	4
Bara Bihanali	College	20000	17058	1	0
	Neighborhood park	10000	17058	2	0
	Health center	5000	17058	3	0
	Primary School/ kindergarten	5000	36561	7	2
	Secondary/High School	20000	36561	2	1
Basu Para Union	College	20000	36561	2	1
	Neighborhood park	10000	36561	4	0
	Health center	5000	36561	7	3
	Primary School/ kindergarten	5000	13369	3	7
	Secondary/High School	20000	13369	1	3
Dwippur Union	College	20000	13369	1	0
	Neighborhood park	10000	13369	1	0
	Health center	5000	13369	3	0
	Primary School/ kindergarten	5000	32940	7	12
	Secondary/High School	20000	32940	2	2
Goalkandi Union	College	20000	32940	2	0
	Neighborhood park	10000	32940	3	0
	Health center	5000	32940	7	2

Union/ Paurashava	Facilties	Population Standard	Projected Population (2035)	Required Faciliities	Existing Facilities
	Primary School/ kindergarten	5000	30813	6	16
	Secondary/High School	20000	30813	2	4
Gobinda Para Union	College	20000	30813	2	2
	Neighborhood park	10000	30813	3	0
	Health center	5000	30813	6	0
	Primary School/ kindergarten	5000	49487	10	4
	Secondary/High School	20000	49487	2	5
Ganipur Union	College	20000	49487	2	3
	Neighborhood park	10000	49487	5	0
	Health center	5000	49487	10	0
	Primary School/ kindergarten	5000	26891	5	10
	Secondary/High School	20000	26891	1	2
Hamir Kutsha Union	College	20000	26891	1	0
	Neighborhood park	10000	26891	3	0
	Health center	5000	26891	5	0
	Primary School/ kindergarten	5000	29889	6	15
	Secondary/High School	20000	29889	1	4
Jhikra Union	College	20000	29889	1	1
	Neighborhood park	10000	29889	3	0
	Health center	5000	29889	6	0

Union/ Paurashava	Facilties	Population Standard	Projected Population (2035)	Required Faciliities	Existing Facilities
	Primary School/ kindergarten	5000	33693	7	7
	Secondary/High School	20000	33693	2	4
Jogi Para Union	College	20000	33693	2	2
	Neighborhood park	10000	33693	3	1
	Health center	5000	33693	7	1
	Primary School/ kindergarten	5000	10189	2	2
	Secondary/High School	20000	10189	1	1
Kachhari Kayali Para Union	College	20000	10189	1	1
Chion	Neighborhood park	10000	10189	1	0
	Health center	5000	10189	2	0
	Primary School/ kindergarten	5000	26443	5	9
	Secondary/High School	20000	26443	1	8
Maria Union	College	20000	26443	1	1
	Neighborhood park	10000	26443	3	0
	Health center	5000	26443	5	1
	Primary School/ kindergarten	5000	26499	5	2
	Secondary/High School	20000	26499	1	2
Nardas Union	College	20000	26499	1	1
	Neighborhood park	10000	26499	3	0
	Health center	5000	26499	5	0

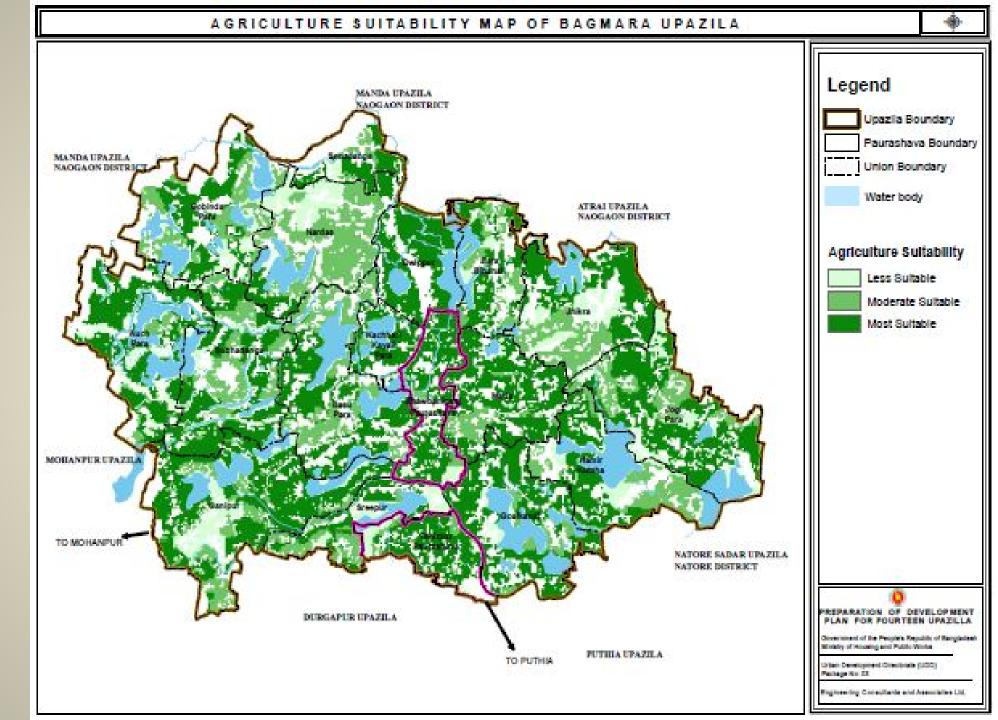
Union/ Paurashava	Facilties	Population Standard	Projected Population (2035)	Required Faciliities	Existing Facilities
	Primary School/ kindergarten	5000	11784	2	5
	Secondary/High School	20000	11784	1	2
Sonadanga Union	College	20000	11784	1	1
	Neighborhood park	10000	11784	1	0
	Health center	5000	11784	2	0
	Primary School/ kindergarten	5000	15997	3	2
	Secondary/High School	20000	15997	1	1
Sreepur Union	College	20000	15997	1	1
	Neighborhood park	10000	15997	2	0
	Health center	5000	15997	3	1
	Primary School/ kindergarten	5000	34729	7	11
	Secondary/High School	20000	34729	2	2
Subhadanga Union	College	20000	34729	2	2
	Neighborhood park	10000	34729	3	0
	Health center	5000	34729	7	0



Suitability Maps

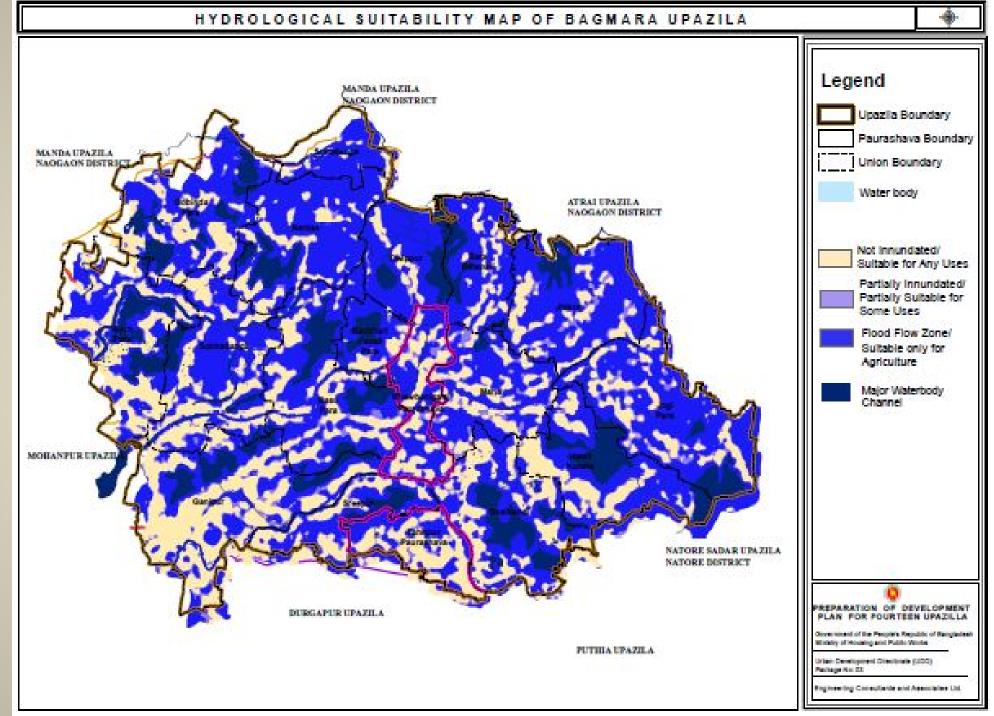
Agricultural Suitability

Crop-land suitability analysis is a prerequisite to achieve optimum utilization of the available land resources for sustainable agricultural production. Maximum agricultural land condition of Bagmara Upazila is most suitable. A large part of Jhikra Union and Ganipur Kutsha Union less suitable. are Agricultural lands of Bwabanigonj Pourashava and Taherpur Pourashava are most suitable.



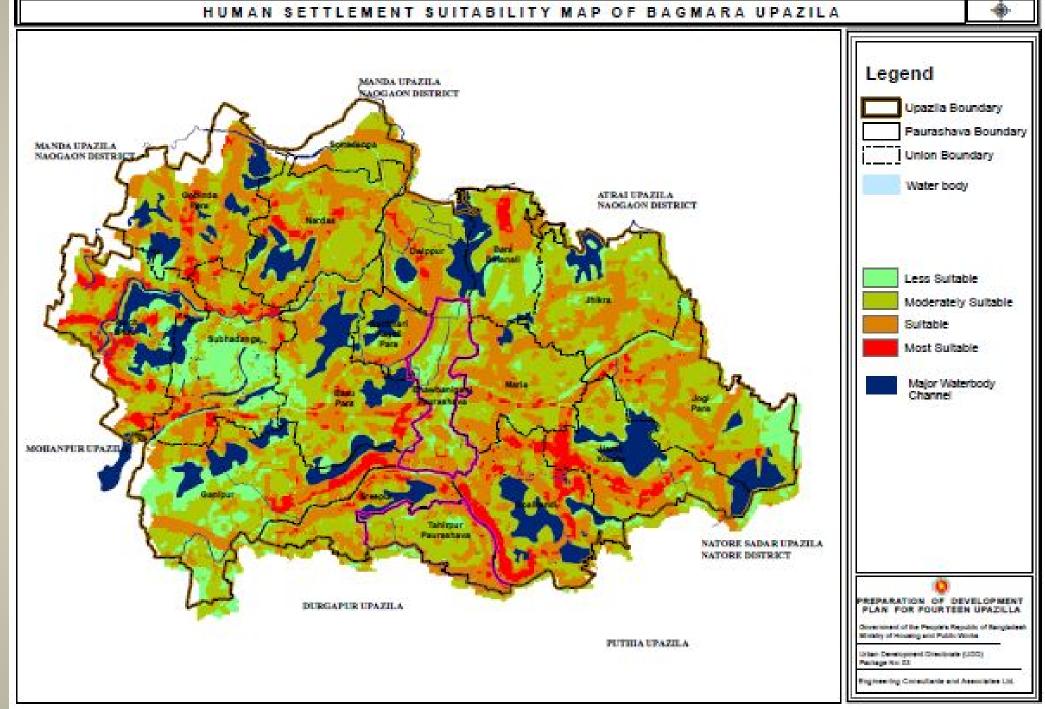
Hydrological Suitability

Maximum portion of Nardas, Dwippur, Jhikra, Jogipara, Maria and Subhadanga Unions have gone under flood flow zone. A huge area of Ganipur Union is not inundated. In the context of hydrological suitability analysis, the condition of Taherpur Pourashava is better than Bwabaniganj Pourashava.



Land Suitability for Human Settlement

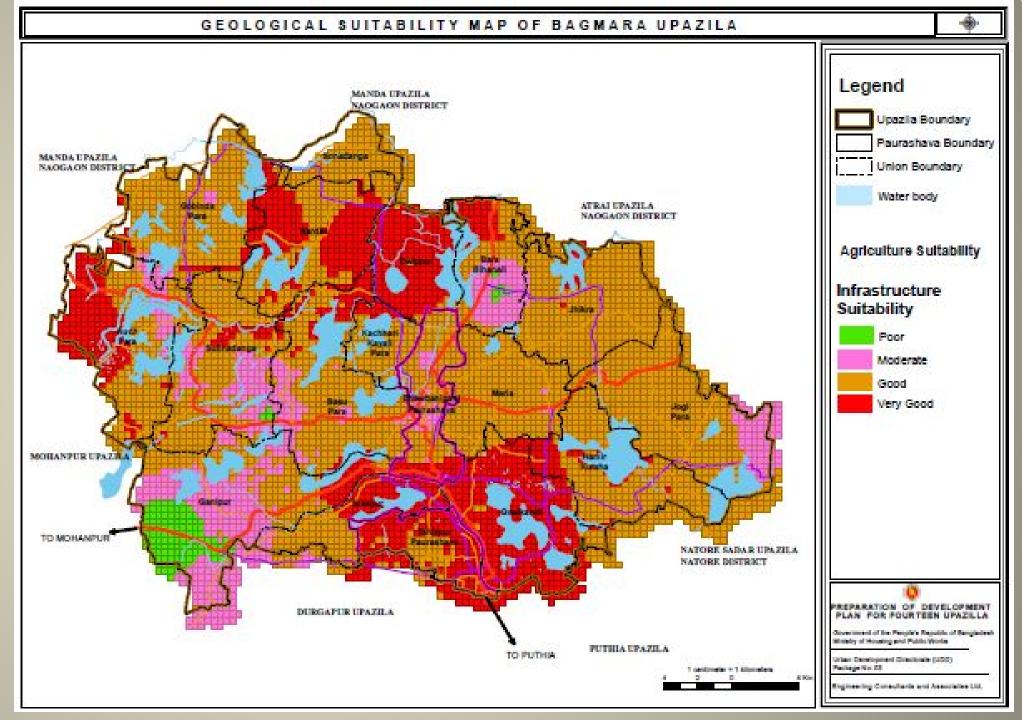
A less area of Bagmara Upazila is most suitable in the context of human settlement suitability. This most suitable human settlement is belonged to Goalkandi and Hamir Kutsha Union. Overall Bagmara Upazila have a suitable human settlement.



Geological Suitability

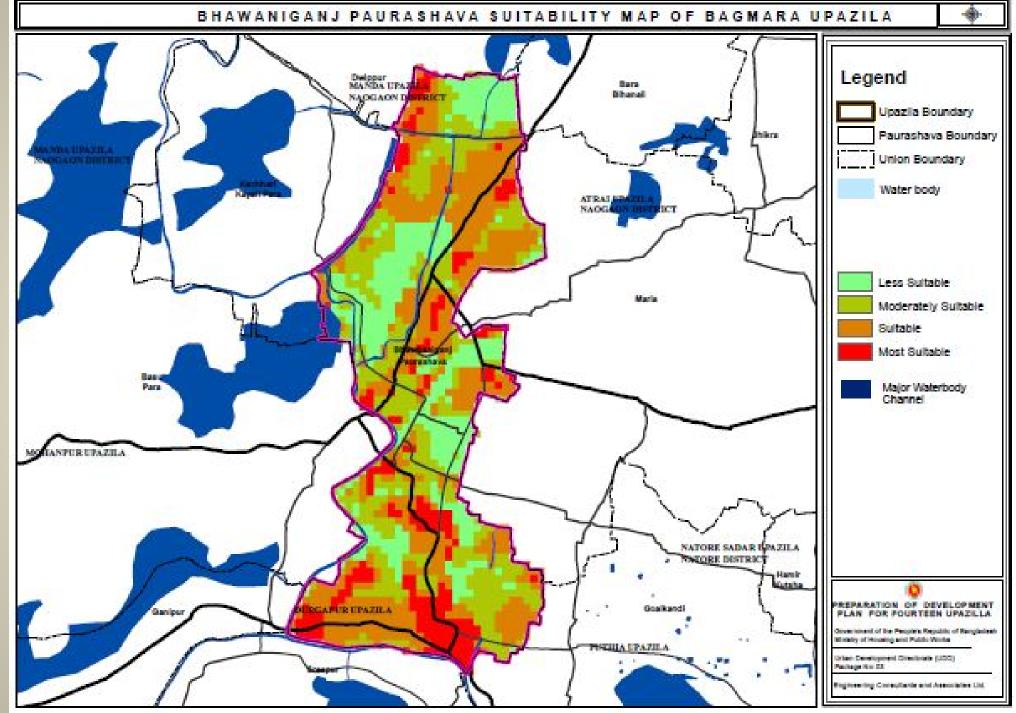
The infrastructure suitability condition of Goalkandi Union, Dwippur Union, Sreepur Union and Taherpur Pourashava are very good. Half portion of Nardas Union and Auch Para Union are in very good condition. On the other side, Ganipur Union has poor infrastructure suitability. Overall Infrastructure suitability of Bagmara Upazila is good.

Infrastructu re Category	Area(Sq.K m)	% of Area
Good	228.88	58.98%
Moderate	46.00	11.85%
Poor	8.06	2.08%
Very Good	105.13	27.09%
Total	388.06	100%



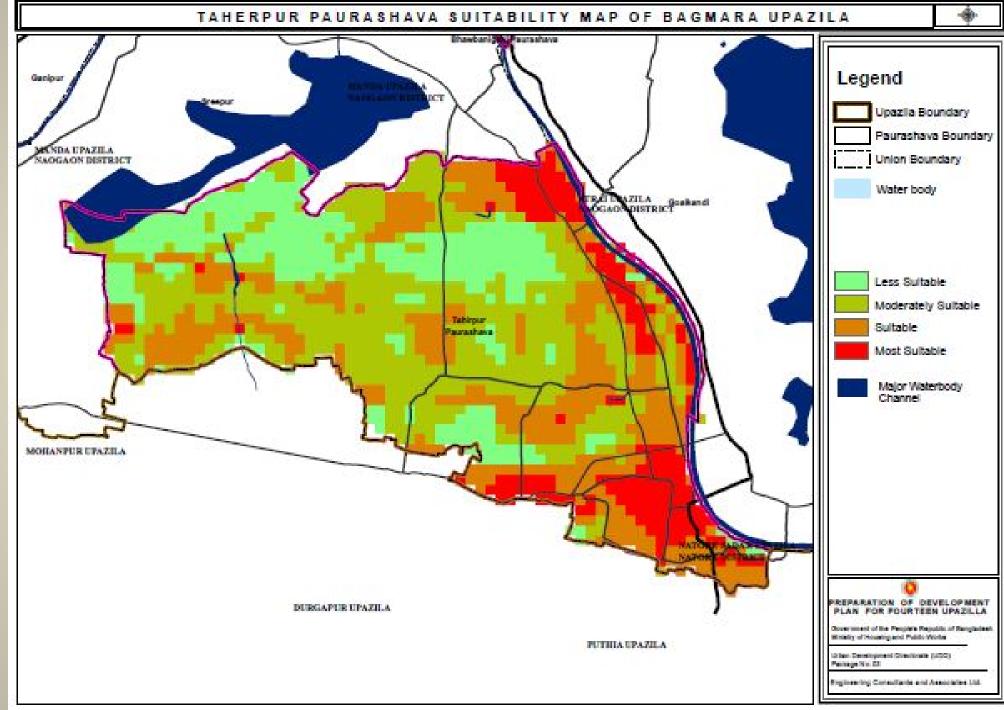
Urban Area Suitability: Bwabanigonj Pourashava

Half portion of the total area of Bwabaniganj Pourashava is less suitable. The center of Bwabaniganj Pourashava as well as the border area of pourashava consists of most suitable and moderately suitable area.

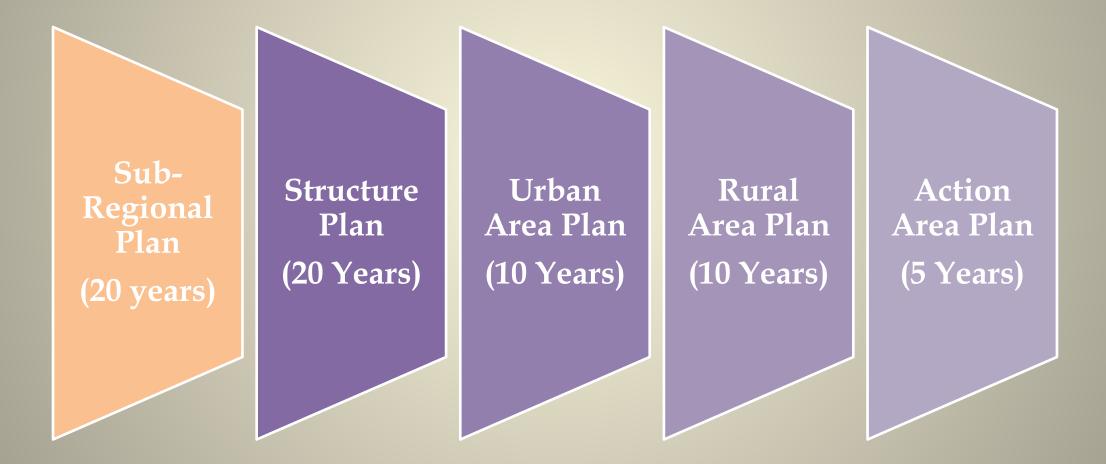


Urban Area Suitability: Taherpur Pourashava

Overall maximum area of Taherpur Pourashava are less suitable and moderately suitable. Taherpur growth center area is the most suitable area among Taherpur Pourashava area.



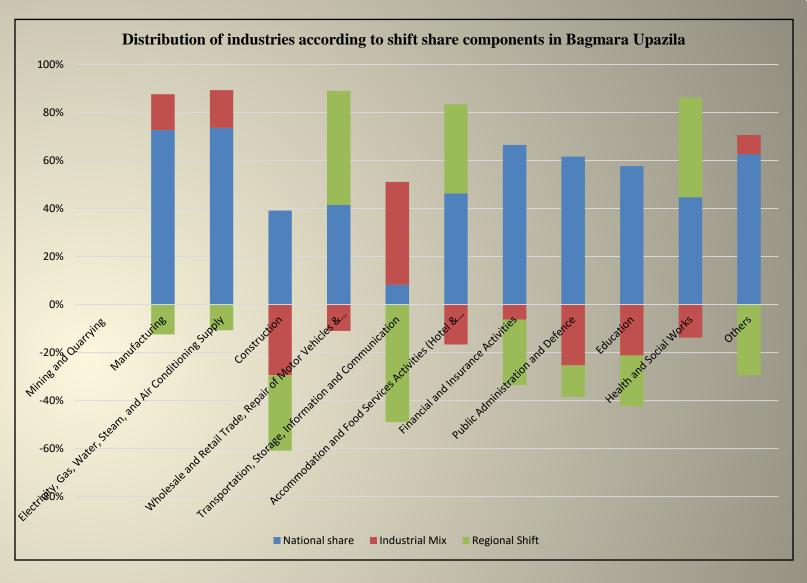
Sub-Regional Plan



Shift-Share Analysis

Sector wise Analysis

The aim of sector wise analysis is to compare the employment growth of each sector in Bagmara Upazila. From the calculation it could be easily recognized that which sector is progressive and which sector is less progressive in this sector by using Net Shift Component. If the value of Net Shift Component is positive it indicates regional growth of this sector is better than national growth. If the value is negative, it indicates less regional growth of this sector than national growth.



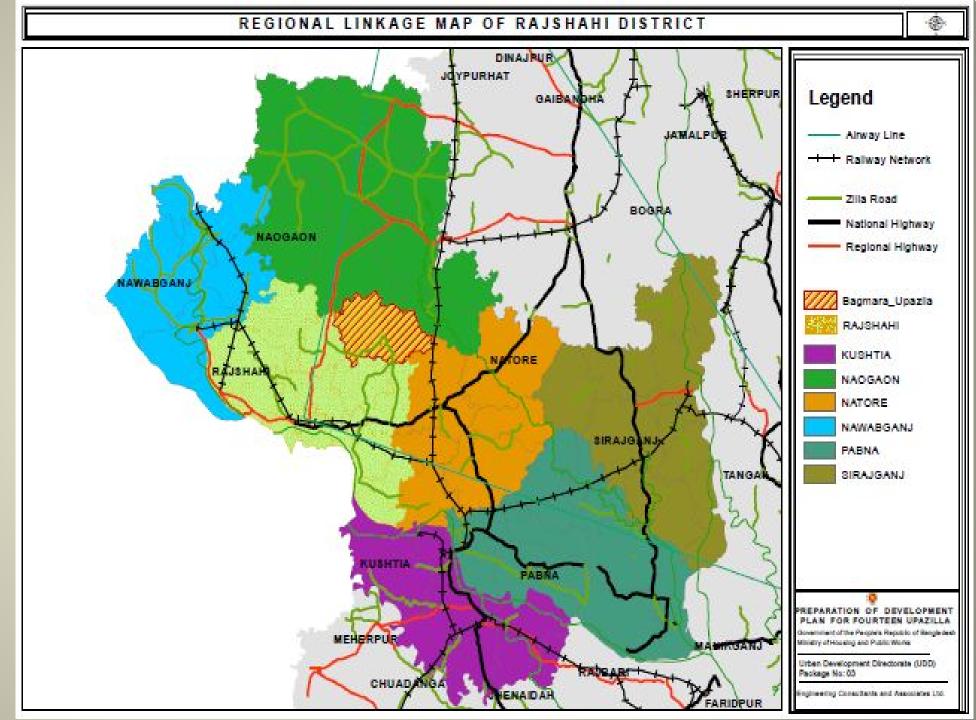
Progressive and Less Progressive Sectors of Bagmara Upazila.

It is important to keep in mind that this is a descriptive tool rather than a diagnostic one is important. The shift-share analysis does not tell us why some local industries are more competitive and why some are less competitive-differences may be due to technology, management, or worker productivity. A more in-depth analysis of local versus national industries is required to sort out the sources of these differences. Potential factors could include access to natural resources, local wage rates, regional workforce productivity, or transportation networks.

Activity Sector	Progressive	Less Progressive
Mining and Quarrying		
Manufacturing	\checkmark	
lectricity, Gas, Water, Steam, and Air Conditioning Supply		
Construction		\checkmark
holesale and Retail Trade, Repair of Motor Vehicles & Motorcycles	\checkmark	
Transportation, Storage, Information and Communication		\checkmark
Accommodation and Food Services Activities (Hotel & Restaurants)	\checkmark	
Financial and Insurance Activities		\checkmark
Public Administration and Defense		\checkmark
Education		\checkmark
Health and Social Works	\checkmark	
Others		\checkmark

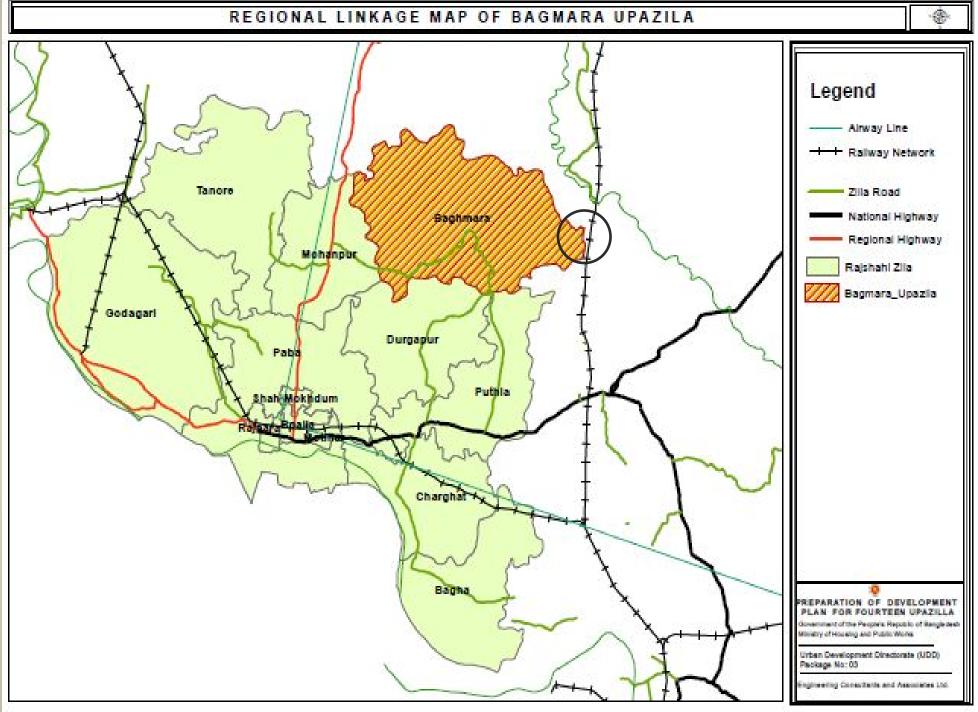
Regional Linkage Plan of Rajshahi District

- Rajshahi District is directly connected with Natore, Pabna, and Kushtia through the national highway.
- •The regional highway covers Naogaon, Rajshahi, Bogra and Kushtia.
- Railway network covers a huge area. Nawabganj, Rajshahi, Natore, Sirajganj, Pabna, Kushtia, Chuadanga and Bogura has a good railway communication



Regional Linkage Plan of Bagmara Upazila

- Bagmara Upazila is directly connected with Mohonpur, Durgapur and Puthia through the zila road.
- •This zila road also covers Godagari, Poba, Shahmokhdum, Rajpara, Boalia Charghat and Bagha.
- •The regional highway doesn't cover Bagmara Upazila but covers Godagari, Poba, Shahmokhdum, Rajpara, Boalia and Moanpur.
- •There is no railway network in Bagmara Upazila. Railway network passes by the outside of Bagmara Upazila area.

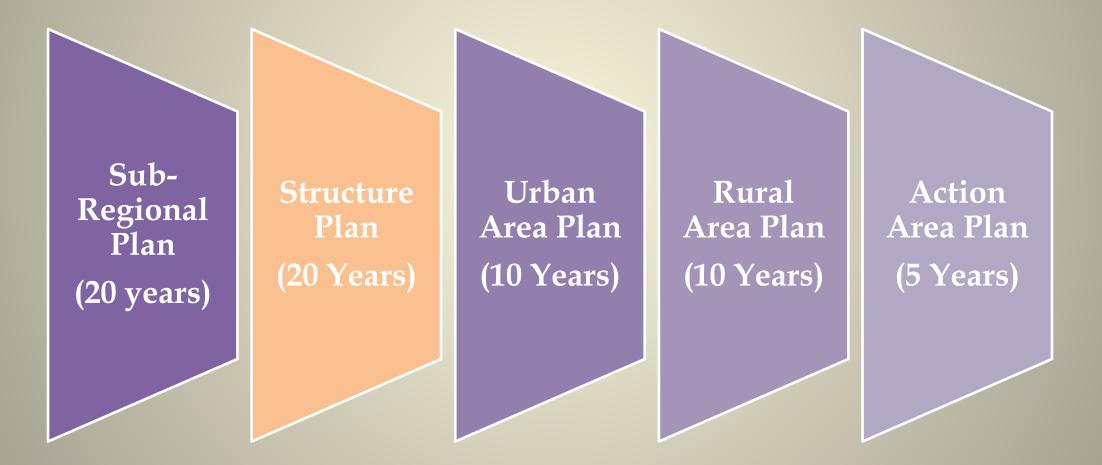


Policies for Sub-Regional Planning

Connectivity and Transportation Network

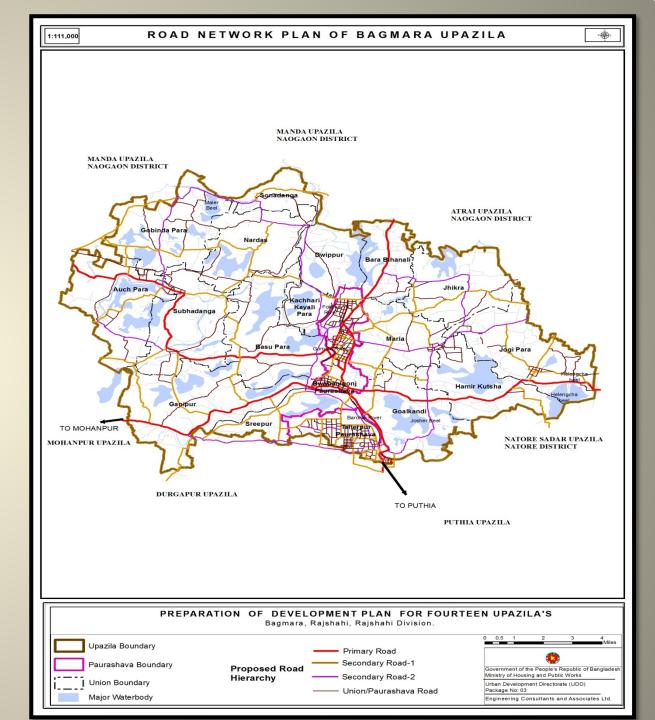
- Accelerate high standard road links through widening of primary and secondary and construction of new tertiary roads.
- Developing an integrated local, regional and national transportation
- Improving local transport network within the Upazila linking the nearest districts.
- Establishing a Railway Platform Connecting to the Jogi Para Union for better communications.
 Biodiversity and Nature Conservation
- Conserve natural/environmental resources like hills, reserve forests and water bodies.
- Execute land use planning for the enhancement of ecosystem and species diversity.
- Conserving the play field, open space, park and natural water reservoir.
- **Community Resilience through Disaster Management**
- Identification of seismic hazard prone zones.
- Provision and implementation of a risk sensitive land use planning.

Structure Plan



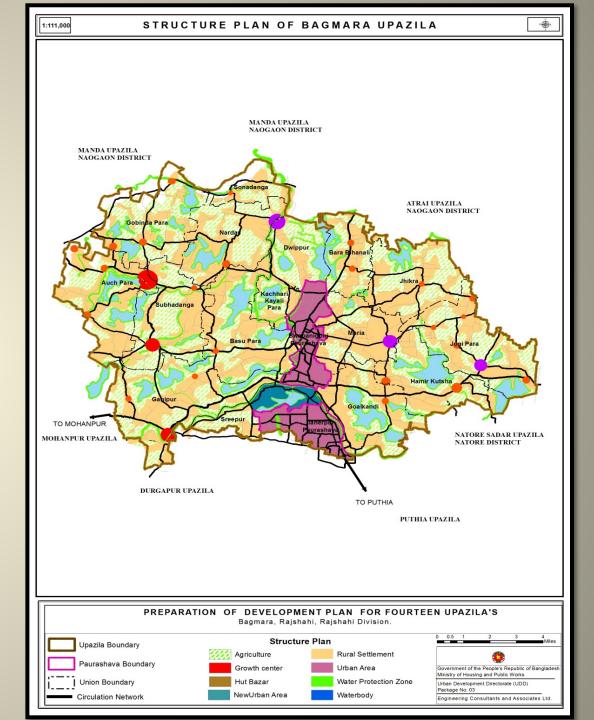
Proposed Road Network Plan of Bagmara Upazila

Road Length(Km)
67.44
128.8
81.18
530.77
808.19

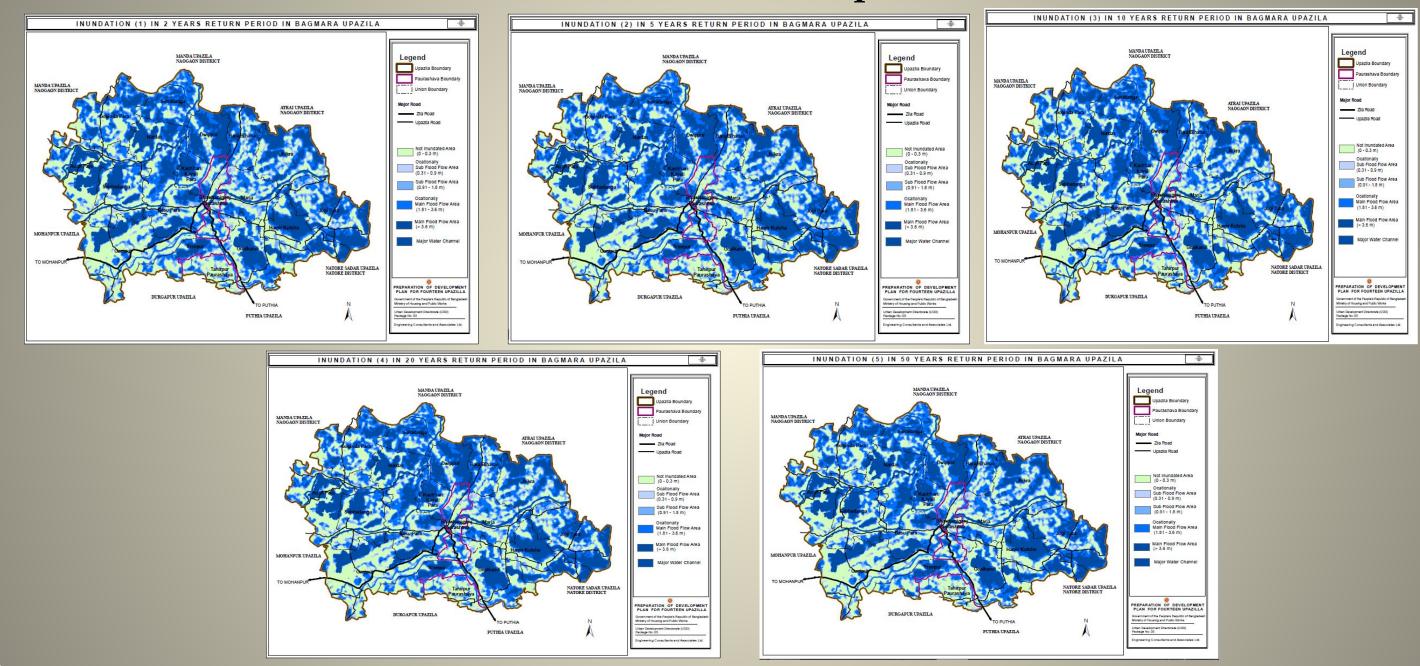


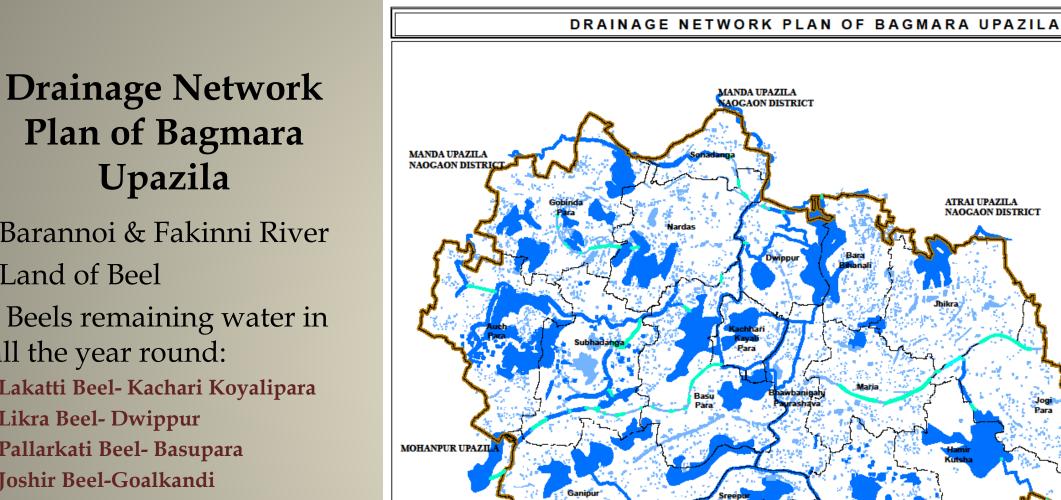
Structure Plan: Bagmara Upazila

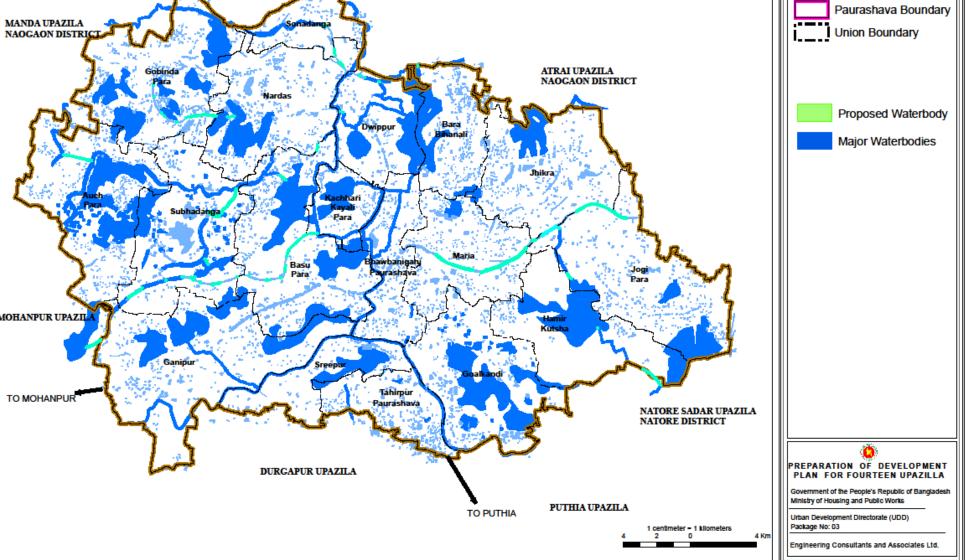
Туре	Area(Acre)
Growth center	458.407315
Hut Bazar	554.369952
New Growth Center	355.444428
Rural Settlement	38425.70047
Agriculture	31059.09998
Urban Area	5536.848893
Waterbody	11023.7377
Water Protection Zone	2272.860141
Circulation Network	1297.68



Flood Inundation Maps







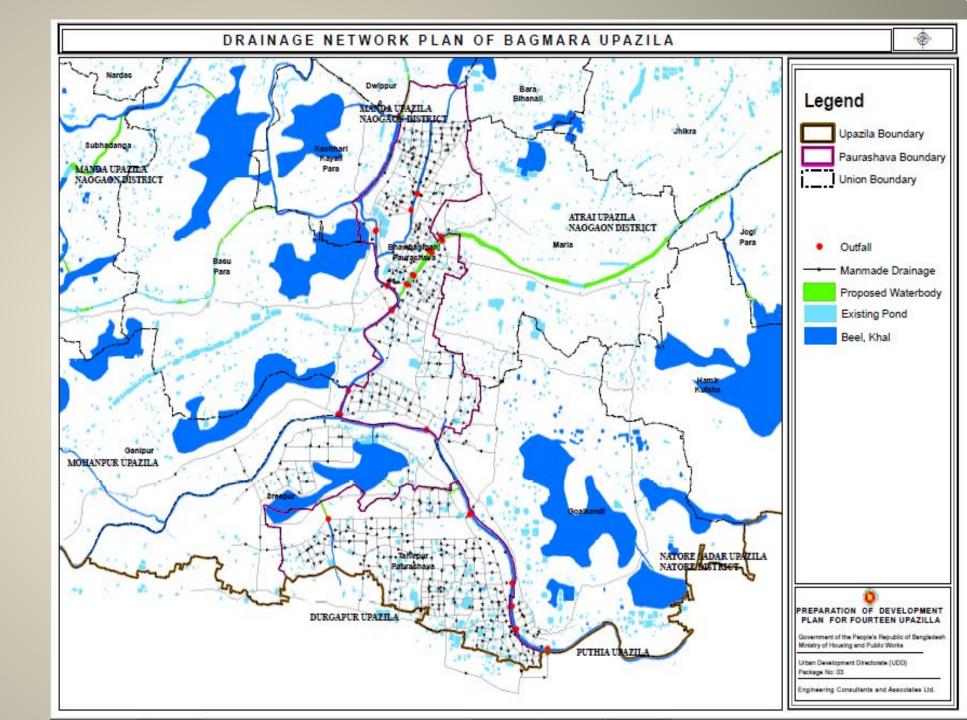
Legend

Upazila Boundary

•Barannoi & Fakinni River •Land of Beel

• Beels remaining water in all the year round: Lakatti Beel- Kachari Koyalipara Likra Beel- Dwippur Pallarkati Beel- Basupara Joshir Beel-Goalkandi Kalar beel-Shuvadanga Hathkholar Beel, Gamar Beel, Harjor Beel- Gobindapara Nimar Beel-Auchpara Hatar Beel-Nardas

Man-made Drainage Network Plan of Bagmara Upazila



Agriculture

- Demarcating 2 crops and 3 crops land and preserving the existing agricultural lands.
- Discouraging residential expansion in the agricultural land.
- Demarcating and preserving the existing and future potential locations and areas for livestock production.
- Stopping establishment of new brick fields within the Paurashava area and close proximity of any agricultural zone.
- Ensure surface water irrigation keeping water bodies (canals and rivers) active for the sustainable agriculture development.
- Increasing production in the existing agricultural lands.

Circulation Network

- Ensure integration of bus, rail and water transportation networks.
- Connect union headquarters, market places, growth centres and hats/bazars through better transportation network.

Urban Settlements

- Promote urban area to buildable lands.
- Provision of appropriate infrastructure and service facilities (road, drain, bridge, culvert, water supply, sewerage and sanitation, garbage disposal, energy, education and health etc) with equity to the urban dwellers.

Flood Flow, Water Body and Water Supply Protection Zone

- Protect main flood flow zone from encroachment.
- Preserving and maintaining the existing natural water bodies for drainage, flood control and environmental purposes.
- Developing drainage system within the Paurashava area.
- Preserving the existing beels and ponds to increase the fish production.

Geology

- Discourage development of urban and industrial agglomeration, headquarters, market place and growth centres in seismic hazard prone zone
- Promote and ensure alternation utilization (e.g. agriculture, forestry) in geologically vulnerable zone.

Economic Development

- Creating Industrial Area in Paurashava and Agro based industry in rural area for faster industrial development
- Establishing agro based industries,
- Promote technology-driven agriculture practices for intensive and extensive cultivation.

Other Policies

- Expanding hospitals and other health facilities in the whole upazila area.
- Taking appropriate measure for Solid Waste Collection and Management.
- Providing street lighting within the whole upazila boundary

Contingency Plan

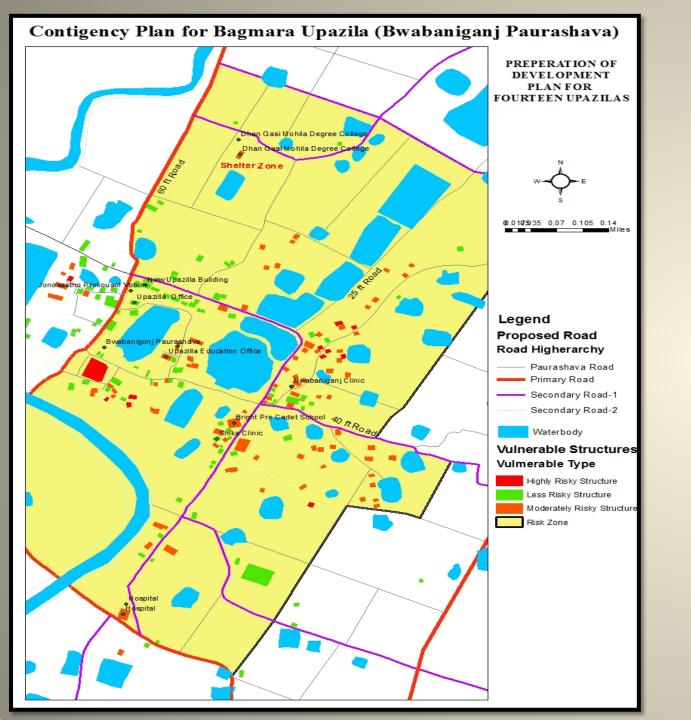
Planning Assumptions

- Earthquakes are impact type events and provide no warning preventing any pre-event response activities
- There is likelihood of secondary effects following an earthquake or aftershocks which may include fire, flood, liquefactions, subsidence and release of hazardous and toxic chemicals
- Strong aftershocks will continue for several days resulting in further building collapse
- Access will be severely restricted due to debris, collapsed bridges etc.

Operational Constraints

In order for the preparation of a successful contingent plan the first and foremost activity is to assess the disruptions and causalities which are likely to occur during the event as well as in the aftermath period. A pros and cons analysis of the operational constraints has been conducted for the earthquake hazard in Bagmara Upazila. A detailed list of the constraints are given below:

- ✓ Disruption in the communication system
- ✓ Disruption in the key supplies (electricity)
- ✓ Lack of response capacity (first responders dead or injured)
- ✓ Unavailability of decision-makers\
- ✓ Disruption of infrastructure and transport system



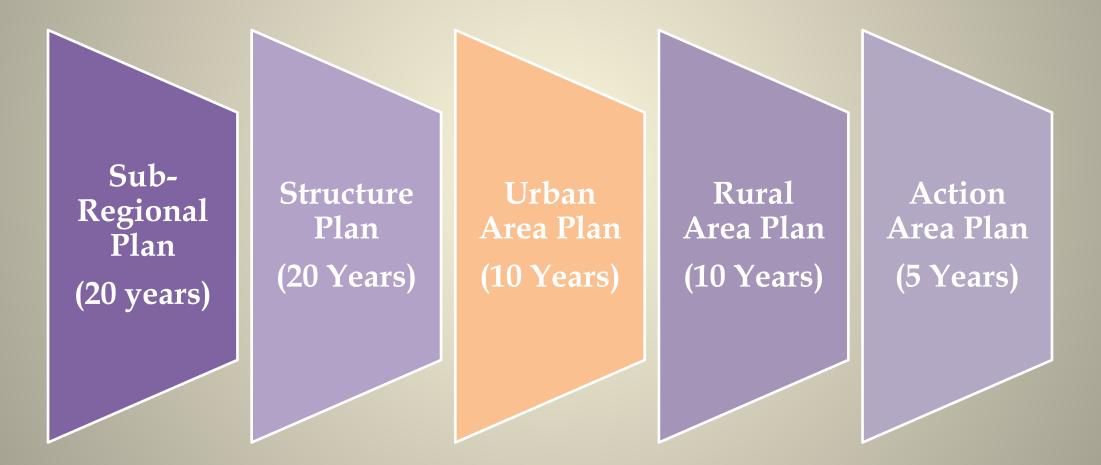
Statistics of Vulnerable structures of Bwabanigonj Paurashava

Vulnerable Type	No. Of Structures
Highly Risky	12
Moderately Risky	87
Less Risky	109

Sectors	Actions	Physical Planning
Health	 Preparedness planning for Community Clinic Mobilization of doctors and medical teams 	 Location of Clinic (Existing and Proposed) Connectivity with the Clinic
Food Security Cluster	• Supply and distribution of Food and relief	Location of Godown and Food Storage
Shelter	Identification of Shelter Place	• Location of Open Space and Safe Govt. Institution, multipurpose of Govt. School College
	• Identification of the people needing shelter in camps	Proximity of this place
WASH	• Restoration of water supply and drainage	• Identification of water hydrant and reservoir
Logistics	 Risk Assessment Accommodations facilities for humanitarian workers (tents) 	Accessibility to the vulnerable locations
Fire Service	 Preparedness planning for Fire Service 	 Location of Fire Service Station Fire Service Route Planning
Child Protection	Family trainingCoordinate with other sectors	
Early Recovery	GovernanceDebris Management	Waste Disposal Site locations

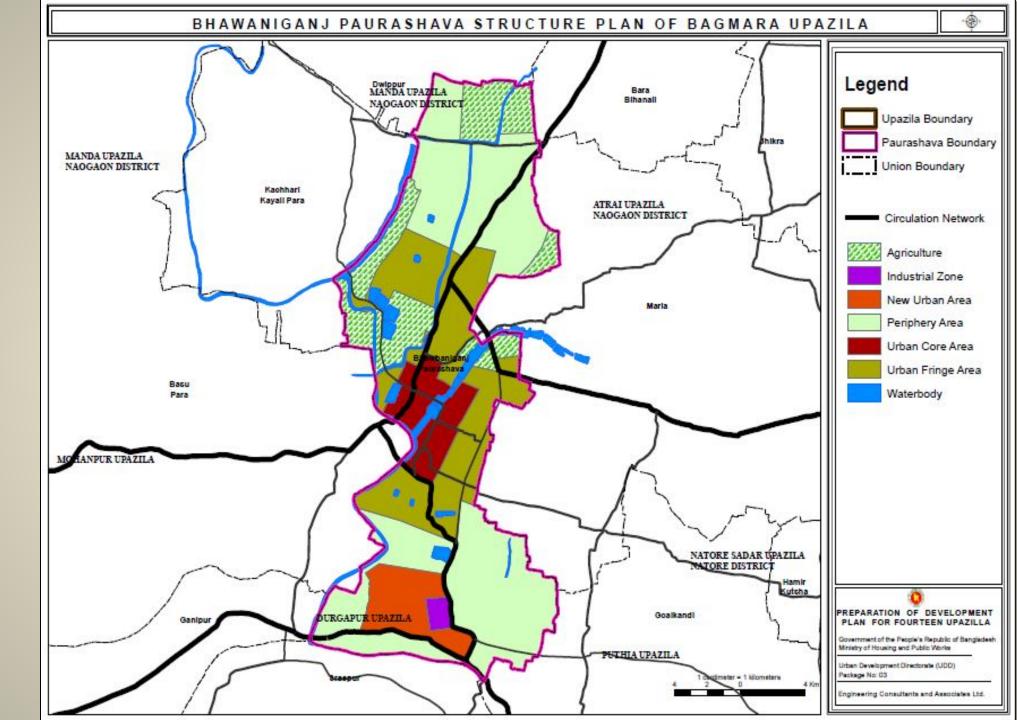
Sector Wise Contingency Action Plan

Urban Area Plan

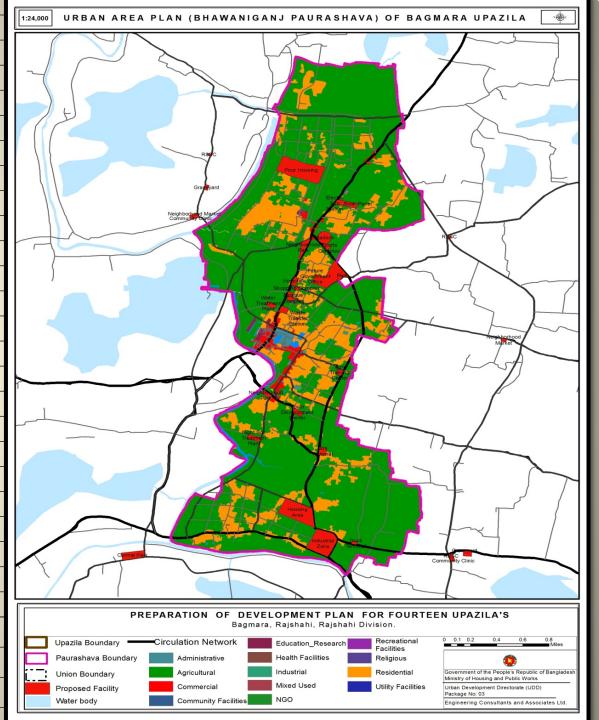


Urban Structure Plan: Bwabanigonj Pourashava

Туре	Area
Periphery Area	1353.114
Agriculture	447.847
Urban Core Area	209.6371
Urban Fringe Area	720.7871
Industrial Zone	27.87249
New Urban Area	198.3439
Waterbody	259.6626



	Bwabanigonj Paurashava	Poor Housing
	Bwabanigonj Paurashava	Shopping Complex
	Bwabanigonj Paurashava	Mosque Complex
	Bwabanigonj Paurashava	Future Government Office
	Bwabanigonj Paurashava	Waste Transfer Station
Proposed	Bwabanigonj Paurashava	Bus Terminal
-	Bwabanigonj Paurashava	Industrial Zone
Urban Area	Bwabanigonj Paurashava	Truck Terminal
D1 (Bwabanigonj Paurashava	Night Soil Treatment Plant
Plan of	Bwabanigonj Paurashava	Hospital
Burghanigo	Bwabanigonj Paurashava	Pauro Market
Bwabanigo	Bwabanigonj Paurashava	Neighborhood Park
nj	Bwabanigonj Paurashava	Water Treatment Plant
J	Bwabanigonj Paurashava	Neighborhood Park
Pourashava	Bwabanigonj Paurashava	Multi Purpose Hall
	Bwabanigonj Paurashava	Agri Training Center
	Bwabanigonj Paurashava	Community Center
	Bwabanigonj Paurashava	Youth Development Center
	Bwabanigonj Paurashava	Sports Complex
	Bwabanigonj Paurashava	Park
	Bwabanigonj Paurashava	Electric Sub Station
	Bwabanigonj Paurashava	Solar Panel
	Bwabanigonj Paurashava	Housing Area
	Bwabanigonj Paurashava	Stadium
	Bwabanigonj Paurashava	Mosque Complex
	Bwabanigonj Paurashava	Multi Purpose Hall
	Bwabanigonj Paurashava	Sports Complex



30.9864 0.73848 1.07285 15.3498 0.14864

2.43084 22.2581 0.70679

2.50918

1.74306 1.96548

3.74401 1.86574 1.61334

0.98793 1.38473 0.85305 2.09504 1.47509 2.03618 1.9064 2.55453

23.9803 5.56982

1.07285

0.98793

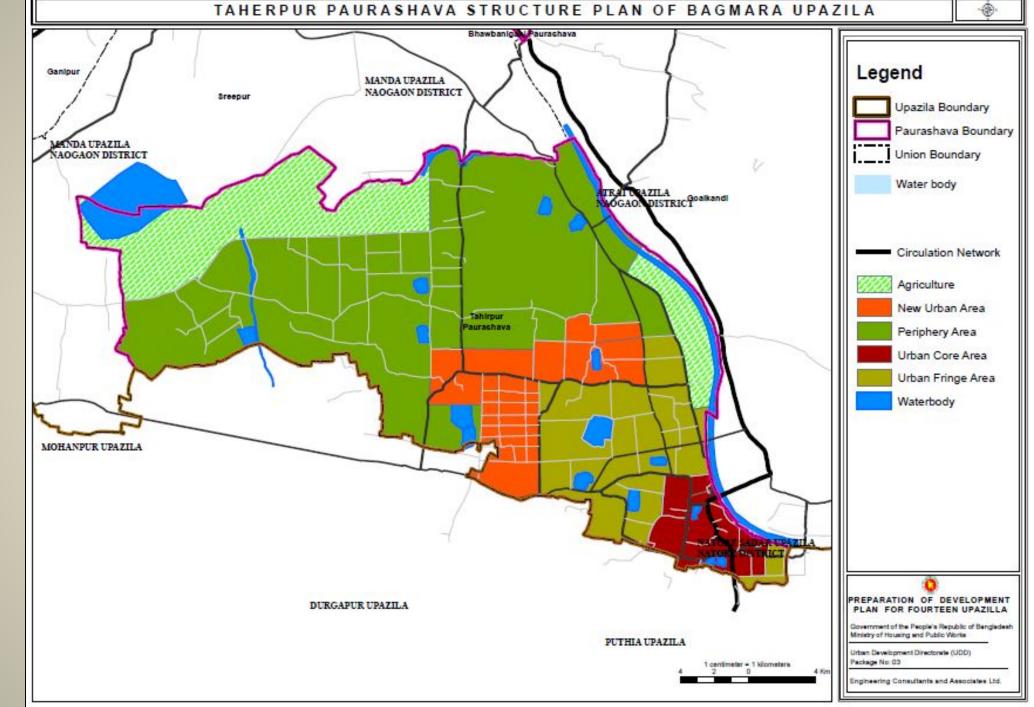
1.47509

Plot Schedule for Proposed Facilities (Bhawaniganj)

3			1025	1027	1028	1029	1030	1031	1032	1033		
		0.73848		1036	1037	1038	1041	1045	1046	1047		Bwabanigonj
	Shopping Complex	1		1048	1061						Dogachi 173 001	Paurashava
4												Bwabanigonj
		1.07285	821	822	824	825	826	827	828	829		Paurashava
	Mosque Complex	24316		830	831	832	833	823			Dogachi 173 001	(Ward-4)
5				1164	1170	1171	1172	1173	1174	1175		
				1176	1177	1178	1179	1179	1180	1181		
				1182	1183	1184	1185	1186	1187	1188		
				1189	1190	1191	1192	1193	1194	1195	Takta Para 198	
				1197	1198	1198	679	1158	1159	1160	000,	
				1162	1165	468	469	470	471	472		
	Future Government	15.3498		473	474	475	476	480	481	482	Dogachi 173 001,	Bwabanigonj
	Office	49		483	484						Paharpur 197 000	paurashava
14					-							
												Bhawbaniganj
	Waste Transfer	0.14863										Paurashava(Wa
	Station	7	854	855	856	1195					Dogachi 173 001	rd-04)
15			279	280	281	282	286	287	288	289		
				290	291	292	293	294	295	296		
				297	298	298	299	300	302	303		
				304	308	309	428	429	430	431		
				432	433	434	435	436	441	657		Bhawbaniganj
		2.43083		658	660	660	661	662	663	664	Dargamaria 246	Paurashava(Wa
	Bus Terminal	9		665	666	671	672	426			000	rd-08)
21			1044	1045	1053	1056	732	732	733	734		
				756	758	759	760	761	762	763		Bhawbaniganj
		1.74305		764	765	766	767	768	769	775		Paurashava(Wa
	Hospital	5		776	777	778	779	1054	1055	1057	Dogachi 173 001	rd-04)

Urban Structure Plan: Taherpur Paurashava

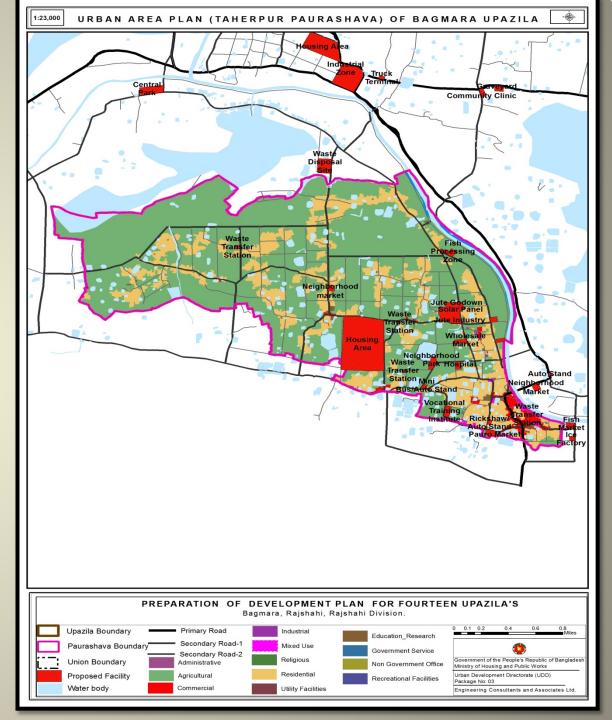
Туре	Area
Periphery Area	1367.26546
Urban Core Area	137.085676
New Urban Area	302.739842
Agriculture	503.300351
Urban Fringe	
Area	422.878452
Waterbody	199.605746



Proposed Urban Area Plan of Taherpur

T

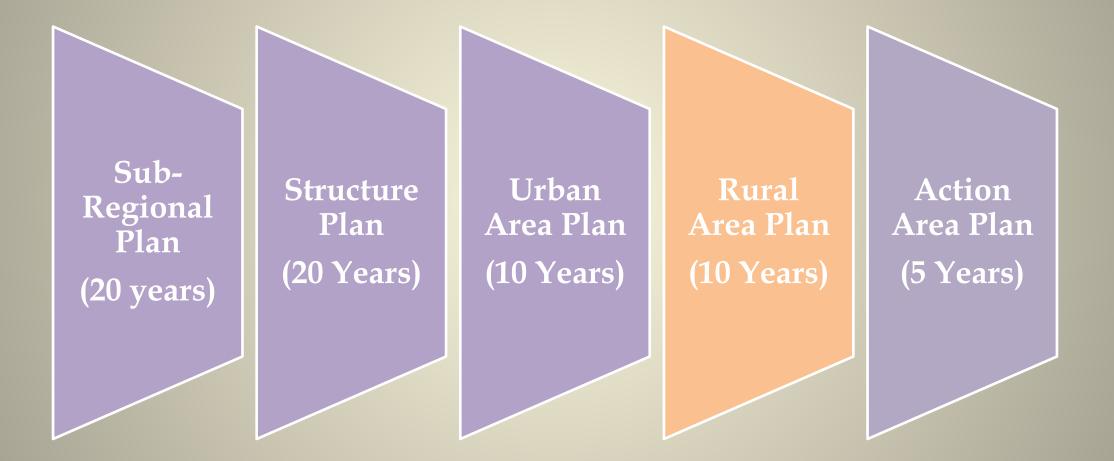
	Pourashava	
Taherpur Paurashava	Housing Area	87.9684
Taherpur Paurashava	Water Treatment Plant	1.45313
Taherpur Paurashava	Waste Transfer Station	0.13105
Taherpur Paurashava	Waste Transfer Station	0.11918
Taherpur Paurashava	Waste Transfer Station	0.25235
Taherpur Paurashava	Public Toilet	0.09015
Taherpur Paurashava	Waste Transfer Station	0.73571
Taherpur Paurashava	Waste Transfer Station	0.43652
Taherpur Paurashava	Mini Bus/Auto Stand	0.83461
Taherpur Paurashava	Rickshaw/ Auto Stand	0.62336
Taherpur Paurashava	Neighborhood Park	1.37854
Taherpur Paurashava	Pauro Market	2.00816
Taherpur Paurashava	Neighborhood Park	2.92357
Taherpur Paurashava	Neighborhood market	1.56327
Taherpur Paurashava	Wholesale Market	1.8213
Taherpur Paurashava	Vocational Training Institute	2.49237
Taherpur Paurashava	Fish Processing Zone	1.77861
Taherpur Paurashava	Jute Industry	12.4998
Taherpur Paurashava	Jute Godown	2.70281
Taherpur Paurashava	Electric Sub Station	0.70914
Taherpur Paurashava	Solar Panel	0.57777
Taherpur Paurashava	Fish Mrket	0.37835
Taherpur Paurashava	Ice Factory	0.33196
Taherpur Paurashava	Cold Storage	0.37423
Taherpur Paurashava	Hospital	1.80051

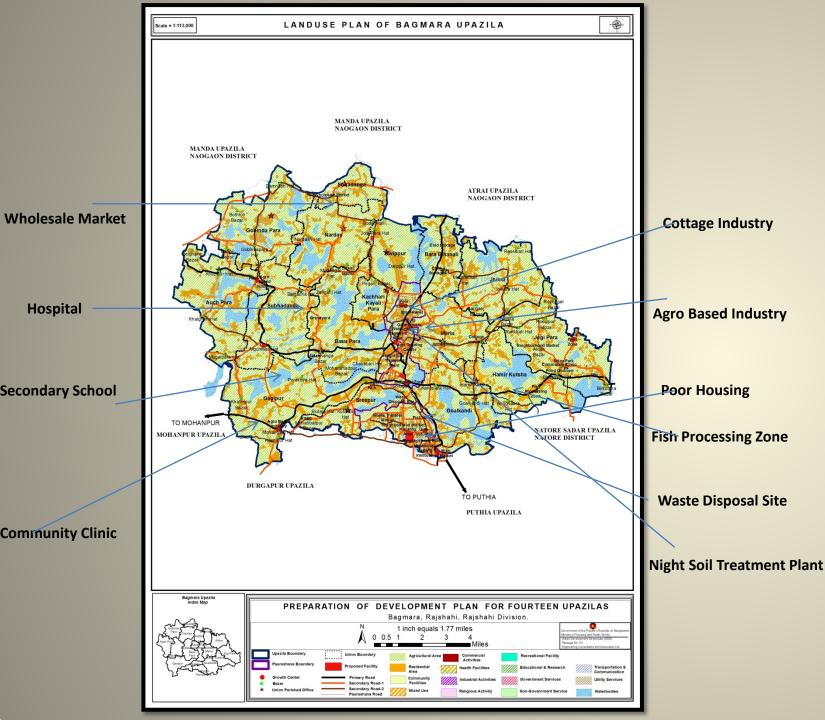


Plot Schedule for Proposed Facilities (Taherpur)

8	Waste											Tahirpur
	Transfer										Jaganathpur	Paurashava(
	Station	0.131048	115	120	202	208	230	237	238		152 000	Ward-05)
9	Waste										Taherpur	Tahirpur
	Transfer										Paschim 153	Paurashava(
	Station	0.119176	1513	1514							000	Ward-02)
10	Waste										Taherpur	Tahirpur
	Transfer		1811	1758	1770	1771	1772	1773	1774	1775	Paschim 153	Paurashava(
	Station	0.252347		1779	1809						000	Ward-02)
11											Taherpur	Tahirpur
											Paschim 153	Paurashava(
	Public Toilet	0.090153	1672	1616	1646	1669					000	Ward-02)
12	Waste		1342	1343	1365	1366	1394	1399	1385	1393	Dakshin	Tahirpur
	Transfer			1164	1165	1170	1338	1340	1344	1345	Koalipara 158	Paurashava(
	Station	0.735707		1346	1354	1963	1339				000	Ward-07)
13	Waste											Tahirpur
	Transfer		1762	1764	1765	1771	1781	1782	1783	1787	Jaganathpur	Paurashava(
	Station	0.436517		1790	1761	1763	1815				152 000	Ward-05)
18	Mini										Taherpur	Tahirpur
	Bus/Auto		884	885	886	887	891	892	893	895	Paschim 153	Paurashava(
	Stand	0.834607		896	897	898	899	894	907		000	Ward-02)
19											Taherpur	Tahirpur
	Rickshaw/		1431	1433	1438	1464	1470	1476	1477	1660	Paschim 153	Paurashava(
	Auto Stand	0.623361		1475							000	Ward-02)

Rural Area Plan





Proposed Rural Area Plan of Bagmara Upazila

- The proposed facilities are:
- ✓ Waste Disposal Site- Taherpur
- ✓ Night Soil Treatment Bwabanigonj
- ✓ RSSC (Rural Sales And Service Center)
- ✓ Agro Based Industry- Maria
- ✓ Cottage Industry- Maria
- ✓ Cold Storage- Ganipur, Dwippur
- ✓ Fish Processing Zone- Goalkandi
- Neighborhood Park Auch Para, Subhadanga, Sreepur
- ✓ Primary School-Ganipur, Bara Bihanali
- ✓ Secondary School- Ganipur
- ✓ College-Hamir Kutsha, Dwippur, GoalKandi
- ✓ Mini Bus/Auto Stand
- Health Center- Basu Para, Gobinda Para, Ganipur, Hamir Kutsha, Jhikra, Nardas, Sonadanga, Subhadanga, Bara Bihanali, Dwippur
- ✓ Waste Transfer Station- Every Union
- ✓ Wholesale Market Sonadanga

Proposal In Rural Area

-	
Auch Para	Agro based Industry
Auch Para	Neighborhood Market
Auch Para	Hospital
Auch Para	Park
Auch Para	Graveyard
	Vocational Training
Auch Para	Institute
Auch Para	Cold Storage
Auch Para	Food Godown
Auch Para	Solar Park
Auch Para	RSSC
Auch Para	RSSC
Auch Para	RSSC
Auch Para	Community Clinic
Auch Para	Community Clinic
Auch Para	Neighborhood Market
Auch Para	Graveyard

Bara Bihanali	RSSC
Bara Bihanali	Cold Storage
Bara Bihanali	Neighborhood Market
Bara Bihanali	Community Clinic
Bara Bihanali	Neighborhood Market
Bara Bihanali	Cold Storage
Bara Bihanali	Community Clinic

Kachhari Kayali Para	Neighborhood Market
Kachhari Kayali Para	Community Clinic
Kachhari Kayali Para	RSSC
Kachhari Kayali Para	Graveyard

Basu Para	RSSC			
Basu Para	Community Clinic			
Basu Para	RSS	5C		
Basu Para	Cor	mmunity Clinic		
Basu Para	Gra	aveyard		
Basu Para	RSS	SC		
Basu Para	Cor	mmunity Clinic		
		-		
Dwippur		Brick Field Zone		
Dwippur		RSSC		
Dwippur		Community Clinic		
Ganipur		Agro Based Industry		
Ganipur		Neighborhood Market		
Ganipur		RSSC		
Ganipur		RSSC		
Ganipur		Community Clinic		
Ganipur		Graveyard		
Ganipur		Community Clinic		
Hamir Kutsha		Agro Based Industry		
Hamir Kutsha		Fish Processing Zone		

Hamir Kutsha	Fish Processing Z	one			
Hamir Kutsha	Fish Market				
Hamir Kutsha	Neighborhood M	arket			
Hamir Kutsha					
Hamir Kutsha	Community Clinic				
Hamir Kutsha	RSSC				
Hamir Kutsha	Community Clinic				
:	Neudee	Com			
	Nardas	Cor			
	Nardas	RSS			
	Nardas	Cor			
	Nardas	RSS			

Gobinda Para	RSSC
Gobinda Para	Community Clinic
Gobinda Para	Neighborhood Market
Gobinda Para	Community Clinic
Gobinda Para	Cold Storage
Gobinda Para	Graveyard
Gobinda Para	RSSC
Goalkandi	Neighborhood Park
Goalkandi	Fish Market

Goalkandi	Neighborhood Park
Goalkandi	Fish Market
Goalkandi	Cold Storage
Goalkandi	Neighborhood Market
Goalkandi	Auto Stand
Goalkandi	Waste Transfer Station
Goalkandi	Graveyard
Goalkandi	RSSC
Goalkandi	Community Clinic
Goalkandi	RSSC

	Jhikra	Agro Based Industry
	Jhikra	Community Clinic
	Jhikra	RSSC
•	Jhikra	Neighborhood Market
	Jhikra	Community Clinic
	Jhikra	Cold Storage
	Jhikra	RSSC
	Jhikra	Community Clinic
Co	ommunity Clinic	
RS	SC	
Co	ommunity Clinic	
RS	SC	

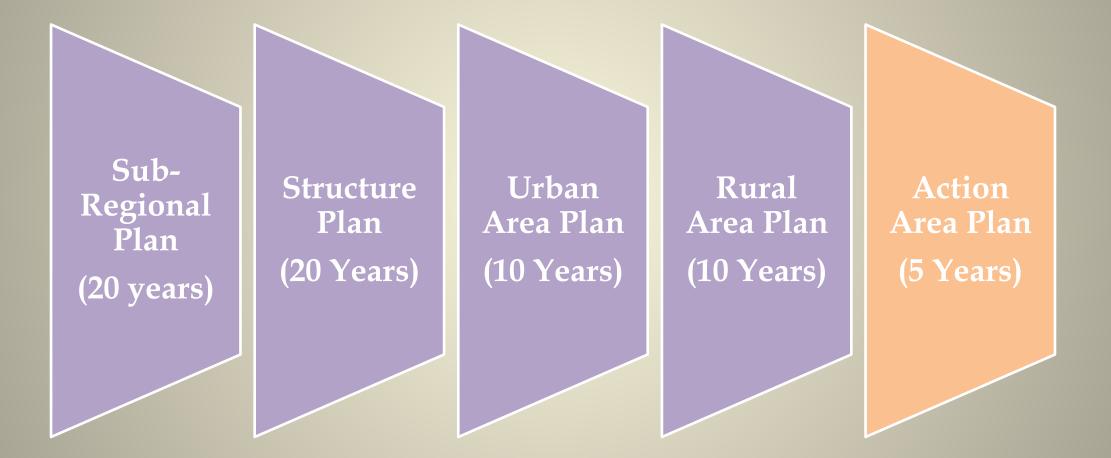
Jogi Para	Brick Field Zone
Jogi Para	Community Clinic
Jogi Para	Food Godown
Jogi Para	Solar Park
Jogi Para	Neighborhood Market
Jogi Para	Silo
Jogi Para	Wholesale Market

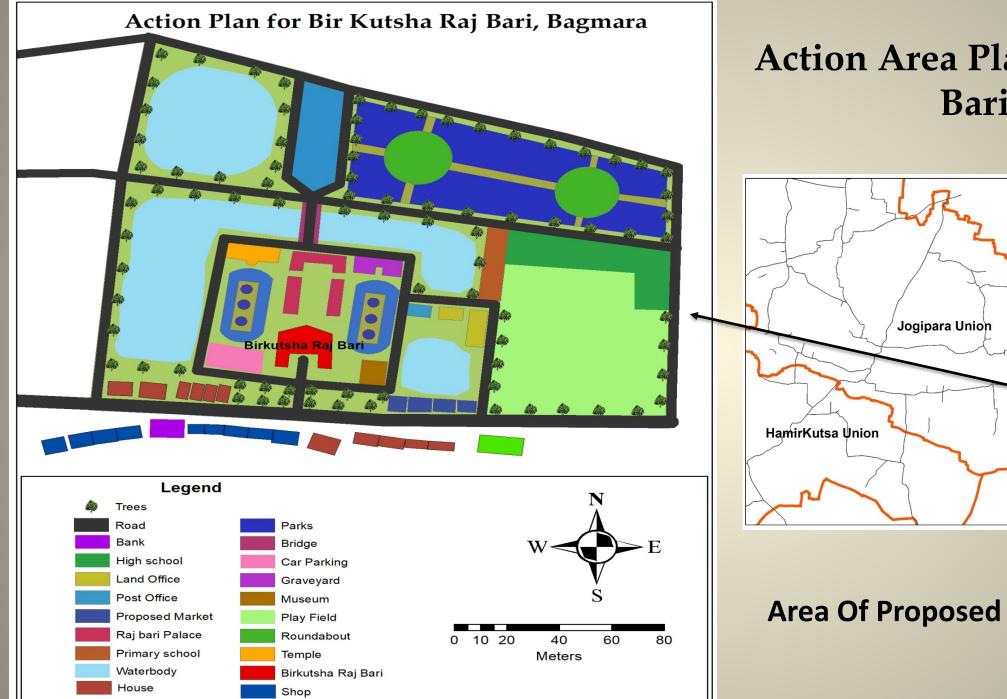
Maria	Future Government Office
Maria	Park
Maria	Neighborhood Market
Maria	Community Clinic
Maria	Neighborhood Market
Maria	Agro Based Industry
Maria	Cottage Industry
Maria	RSSC
Maria	RSSC
Maria	Community Clinic
Sreepur	Waste Disposal Site
Sreepur	Central Park
Sreepur	RSSC
Sreepur	Community Clinic
Sreepur	Neighborhood Market
Subhadanga	Community Clinic
Subhadanga	Neighborhood Market
Subhadanga	Agro based Industry
Sonadanga	Wholesale Market
Sonadanga	RSSC
Sonadanga	Community Clinic

Plot Schedule for Proposed Facilities (Rural Areas)

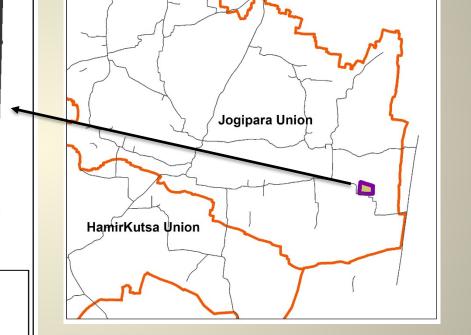
Serial No.		Area in							Union/
NO.	Name	acres	Plot No.					MAUZA JL S	Paurashava
5			273	273	273	277	277		
				279	279	313	320	Takana Daakin 452	Taherpur
				324	324	361	1429	Taherpur Paschim 153 000,	Paurashava(Ward-02,
				1430	1431	1454	1456	Muthrapur 154 000,	Ward-04),
	Neighborh			1457	322	1430	1459	Hasnipur 256 000	Goalkandi
	ood Park	1.37854			84	47			
6									
	Fish								Goalkandi
	Market	1.190312			10976			Ramrama 257 004	
7	Waste								
	Disposal								Sreepur
	Site	7.664404	821	822	824	825	826	Ramguia 160 000	

Action Area Plan

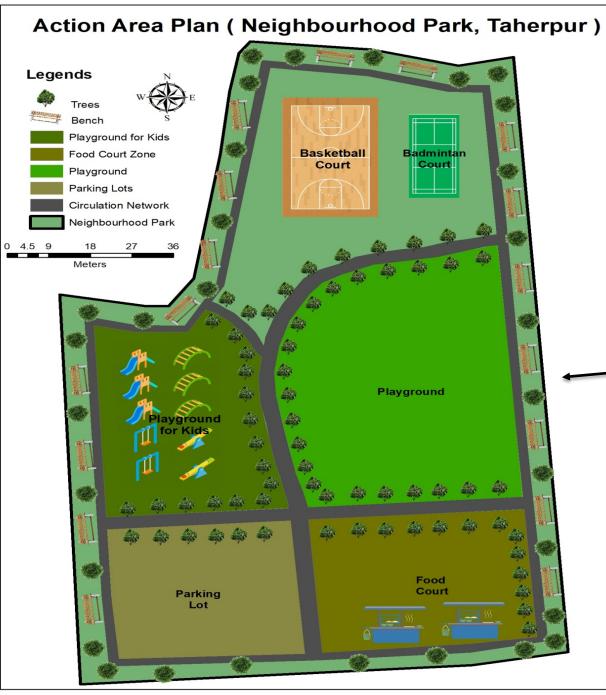




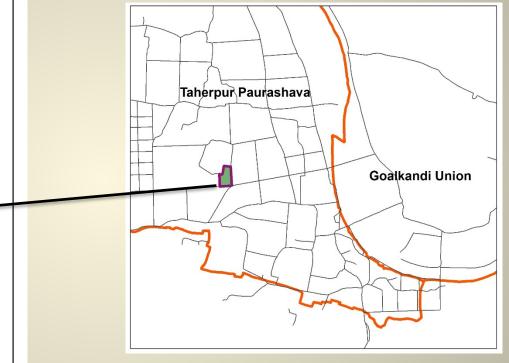
Action Area Plan for Bir Kutsha Raj Bari, Bagmara



Area Of Proposed Action Area Plan is 8.5 Acres



Action Area Plan of Neighborhood Park, Taherpur



Area Of Proposed Action Area Plan is 3.14 Acres



Children Park

Action Area Plan of Integrated Community Service Zone, Bhawaniganj

Area Of Proposed Action Area Plan is 5.16 Acres

Draft TMC Meeting



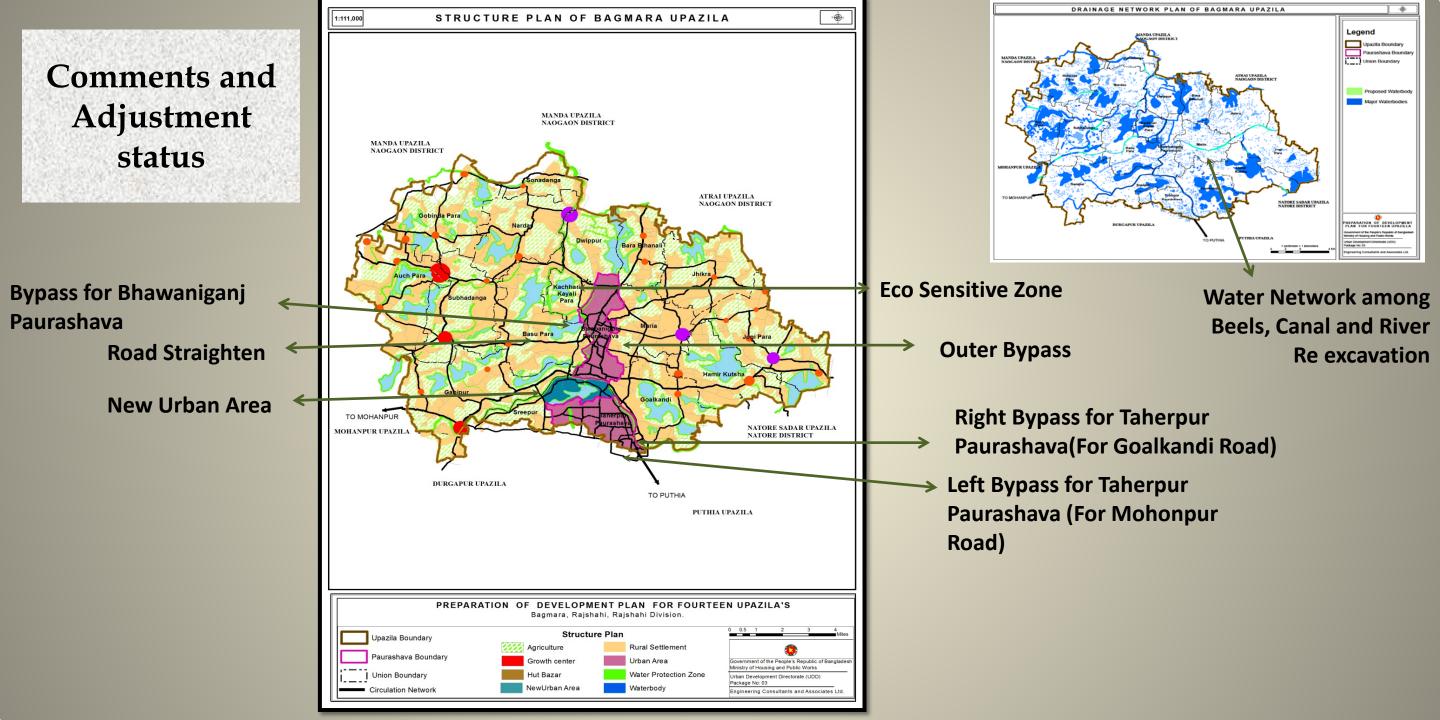


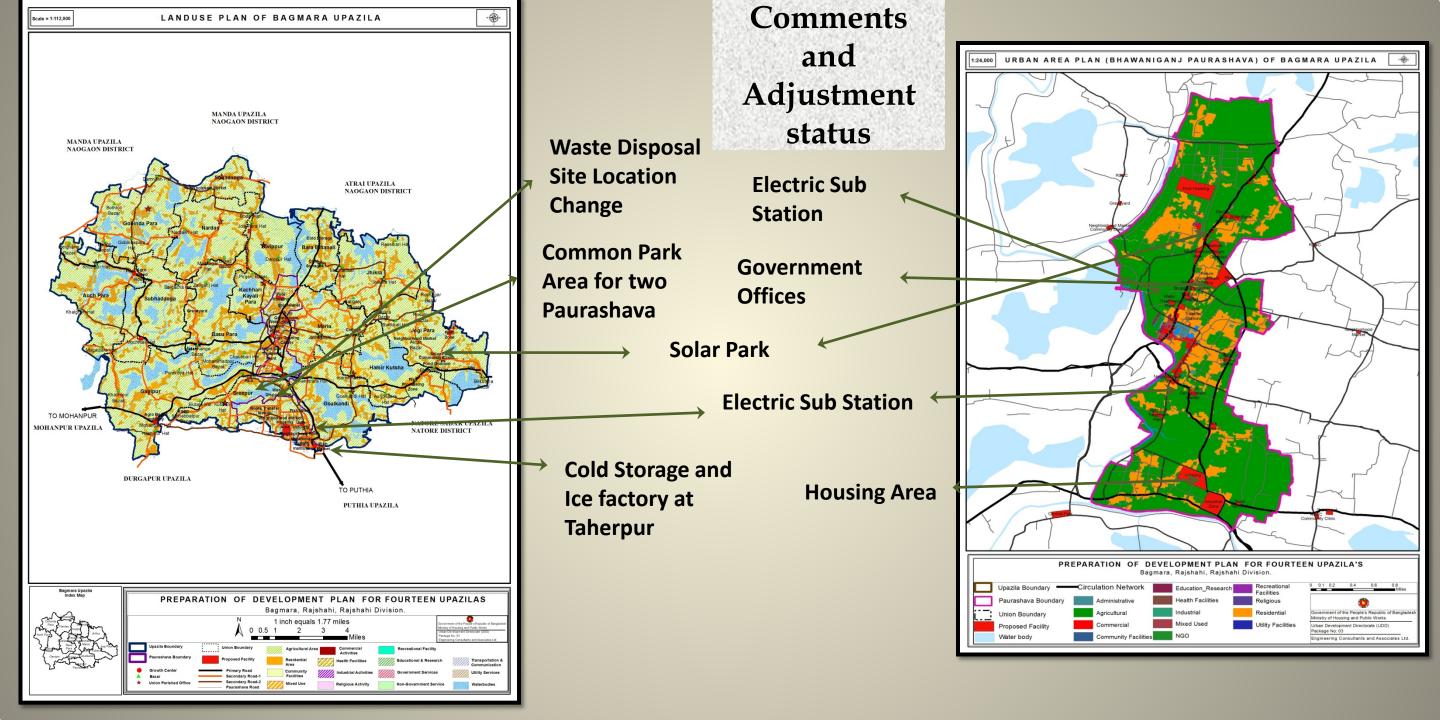
TMC MEETING AT URBAN DEVELOPMENT DIRECTORATE



Comments and Adjustment status

Comments	Action
Total Water Network Among Beels	Has been Addressed
Solar Park	Has been Addressed
Conflict Zone	Has been Addressed
As the two Paurashava areas are situated side by side and there are two rivers named	
Baronoi and Fokirni go on, the two Paurashava area can be merged under one	Has been Addressed
Paurashava area	
Identifying the Sources of River Channels	Has been Addressed
Bypass to Puthia at the outside of the boundary	Has been Addressed
Proposed Housing Area at BwabanigonjPaurashava	Has been Addressed
Roads will be Straight	Has been Addressed
Allocate Bridges in Regional Network	Has been Addressed
Helipad at Stadium	Has been Addressed
Government Offices Will be Allocated in Administrative Zone	Has been Addressed
Electric Service Station at Each Paurashava	Has been Addressed
Creation of a Eco Sensitive Zone with the Beels	Has been Addressed
Swimming Pool	Has been Addressed
Creation an Urban Network by fixing Water Network	Has been Addressed
Cold Storage Beside Taherpur Bazar	Has been Addressed
A Park Between Two Paurashava Areas	Has been Addressed
Bypass Road at Maria Union	Has been Addressed
Change the location of Waste Disposal Site	Has been Addressed





Public Hearing





> २-वात्र भूः ४ -वात्र कः (मध्रेस

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21/6-202/30

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ধ্বপারেশন অব ডেডেলপমেন



Newspaper, Miking, Banner Announcement

জেলা হিসাবরক্ষণ অষ্ ১৪০৭ বাংল ২০০০ ইং সাল নগর উন্নয়ন অধিদপ্তর নগর উন্নয়ন অধিদপ্তের গৃহায়ন ও গণপূর্ত মন্ত্রনালয় বাগমারা, রাজশাহী গৃহায়ন ও গণপূর্ত মন্ত্রনালয় গনশুনানী গনশুনানী ''প্রিপারেশন অব ডেভেলপমেন্ট প্ল্যান ফর ফোরটিন উপজেলাস'' প্রকল্পের আওতায় "প্রিপারেশন অব ডেভেলপমেন্ট প্ল্যান ফর ফোরটিন উপজেলাস" প্রকল্পের আওতায় নগৰ টেনহন অভিদেশ-বাগমারা উপজেলার খসড়া পরিকল্পনা NATED IN HERRICK STREET বাগমারা উপজেলার খসড়া পরিকল্পনা গনশুনানী স্তানঃ বাগমারা উপজেলা পরিষদ তারিখঃ ২১/০৪/২০১৮ থেকে ২০/০৫/২০১৮ পারেশন অব ডেডেলপমেন্ট প্ল্যান ফর ফোরটিন উপজেলাস" প্রকল্পের আওতায় স্থানঃ তাহেরপুর পৌরসভা তারিখঃ ২১/০৪/২০১৮ থেকে ২০/০৫/২০১৮ 🕊 ইঞ্জিনিয়ারিং কনসালটেন্টস্ অ্যান্ড এসোসিয়েটস লিমিটেড বাগমারা উপজেলার খসডা পরিকল্পনা 🕊 ইঞ্জিনিয়ারিং কনসালটেন্টস্ অ্যান্ড এসোসিয়েটস লিমিটেড DATA



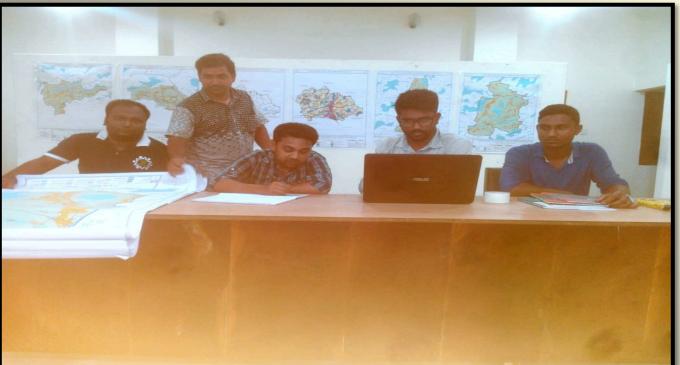
Miking at Union Level







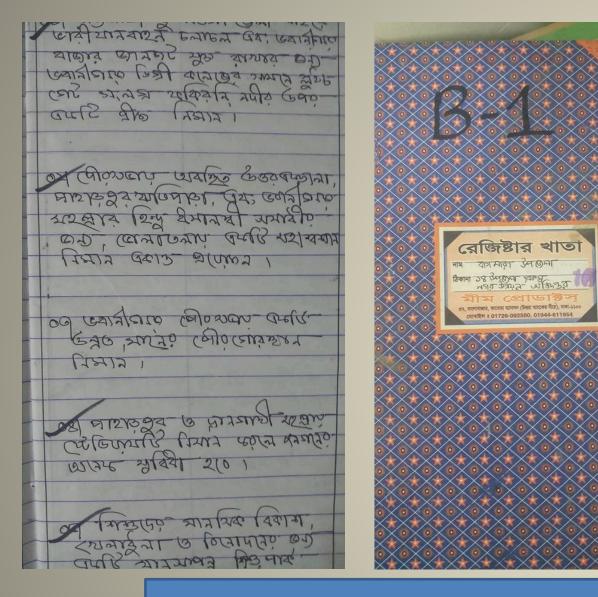








PUBLIC HEARING COMMENTS BOOK



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Comments and Plan adjustment (Upazila)

	Notebook	Name	Location and Address		Consulting farms Comments
Serial	Serial no.			Comments	
no.					
01.	04	Shamim Osman	Chowgasi	Need water drainage system ,wards no- 4 and 5 Mouza no-(72-73).	Already proposed a planned drainage system in Urban area.
02.	05	Mohammed Shakil	Mohanpur	Need passenger shade beside Mohonpurroad.	Have been proposed
03.	06	Md. Tushar Ali	Vabaniganj, municipality	Need permanent burial ground at BaghmaraUpzilla	Have been proposed
04.	07	Md. Salam Uddin	Vabaniganj, municipality	Need Park	Have been proposed
05.	08	Md. Ibrahim	Vabaniganj, municipality	Need Youth Development Training Centre	Already proposed in two urban areas
06.	09	Abdul Jalil	Uttar Ekdala	Need permanent waste dumping place	Have been proposed
7.	12	Sree Horan	Uttar Ekdala	Need cremation ground (shoshanghat)	Have been proposed

Comments and Plan adjustment (Upazila)

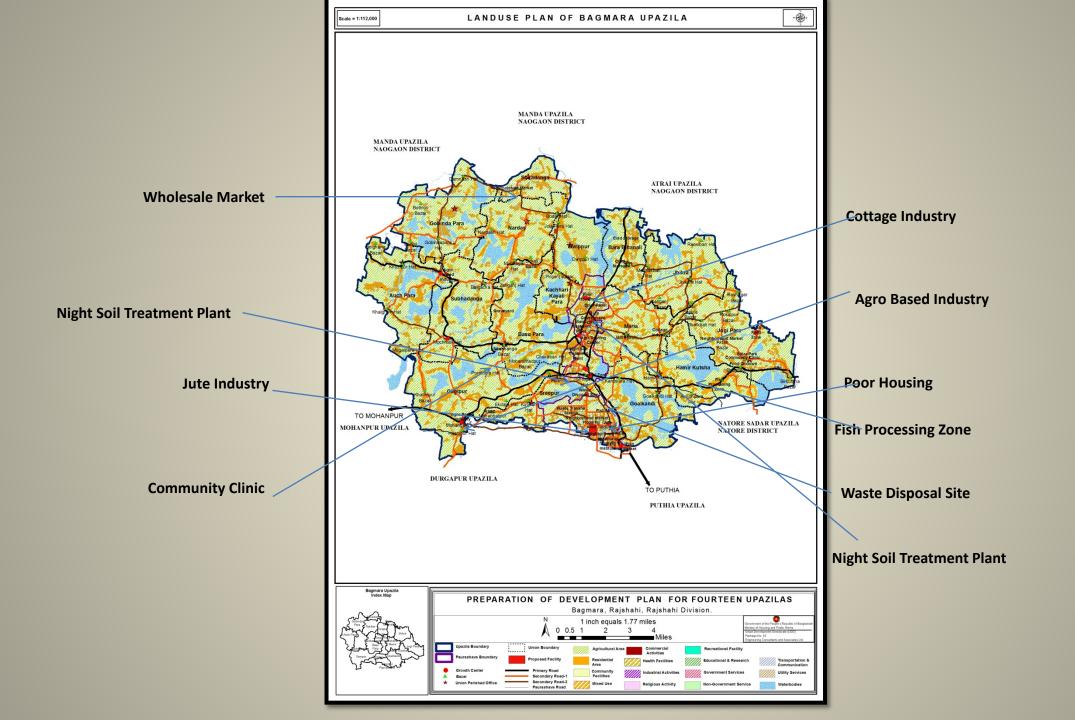
8.	13	Shobuj Ali	Vabaniganj	Need playground	Has been Proposed
9.	14	Md. Hatem	Dangasi	Primary school is needed at Dangachivillege.	Has been Proposed
10.	15	SreeDipok	Borokoa, Borobihanoli Union	Need playground	Has been Proposed
11.	16	Md. Monzu	Dorgamaria	School playground or playground need	This is under concern of local municipality
12.	17	MdMamun	Dangasi, Vabaniganj	Need Eidgah ground	Has been Proposed
13.	18	Md. Nayem	Bagmara	Stadium is needed	Has been Proposed
14.	19	Md. Mamunur Rashid	Dangasi	Graveyard needed	Has been Proposed
15.	21	Md. Jakirul	Dwogasi	Water supply station is needed	Has been Proposed
16.	22	MunirHosain	Dwogasi	Dustbin is needed	This is under concern of local municipality
17.	23	Md. ImtiasIsrak	Vabaniganj	Solar panel light system	Has been Proposed
18.	25	Md. Altab	Vabaniganj	Drainage system is needed	Has been Proposed
19.	26	Abdul Malake	Hadaetpara	Drainage system is needed	Has been Proposed
20.	28	Md. Montu shake	Dwogasi	Graveyard need	Will be proposed
21.	31	Md. Rajon	Vabaniganj	Mini Stadium is needed	A large stadium already proposed in two urban areas

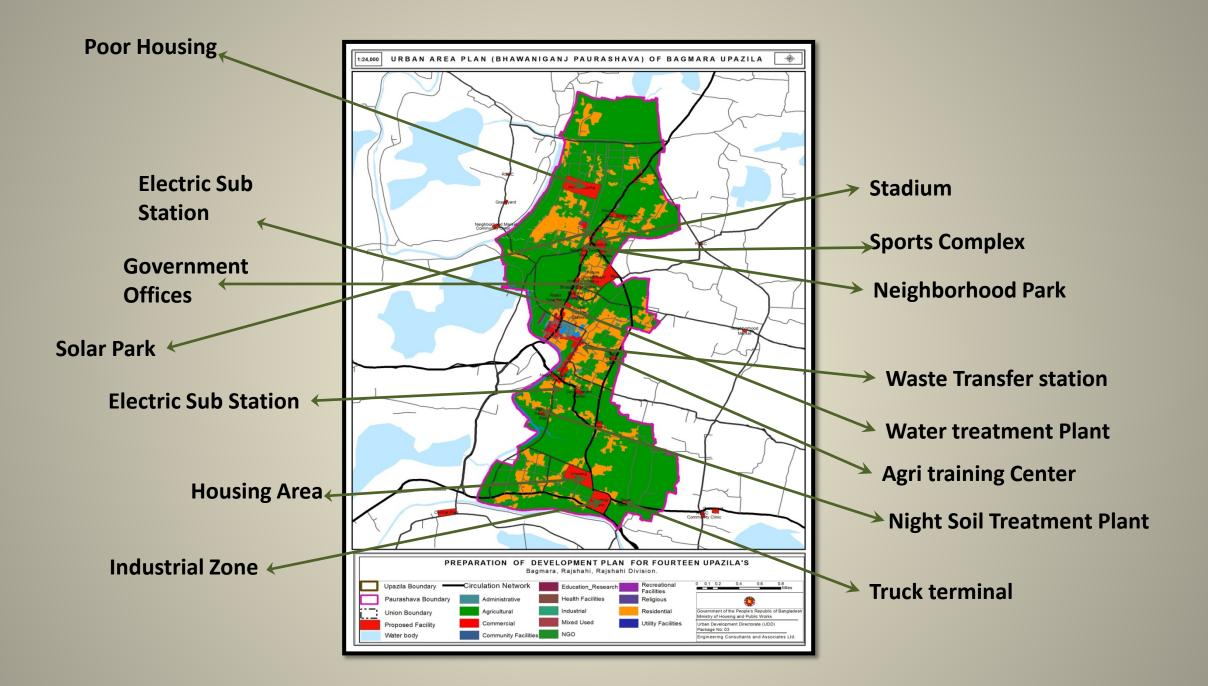
Comments and Plan adjustment (Bhawaniganj Paurashava)

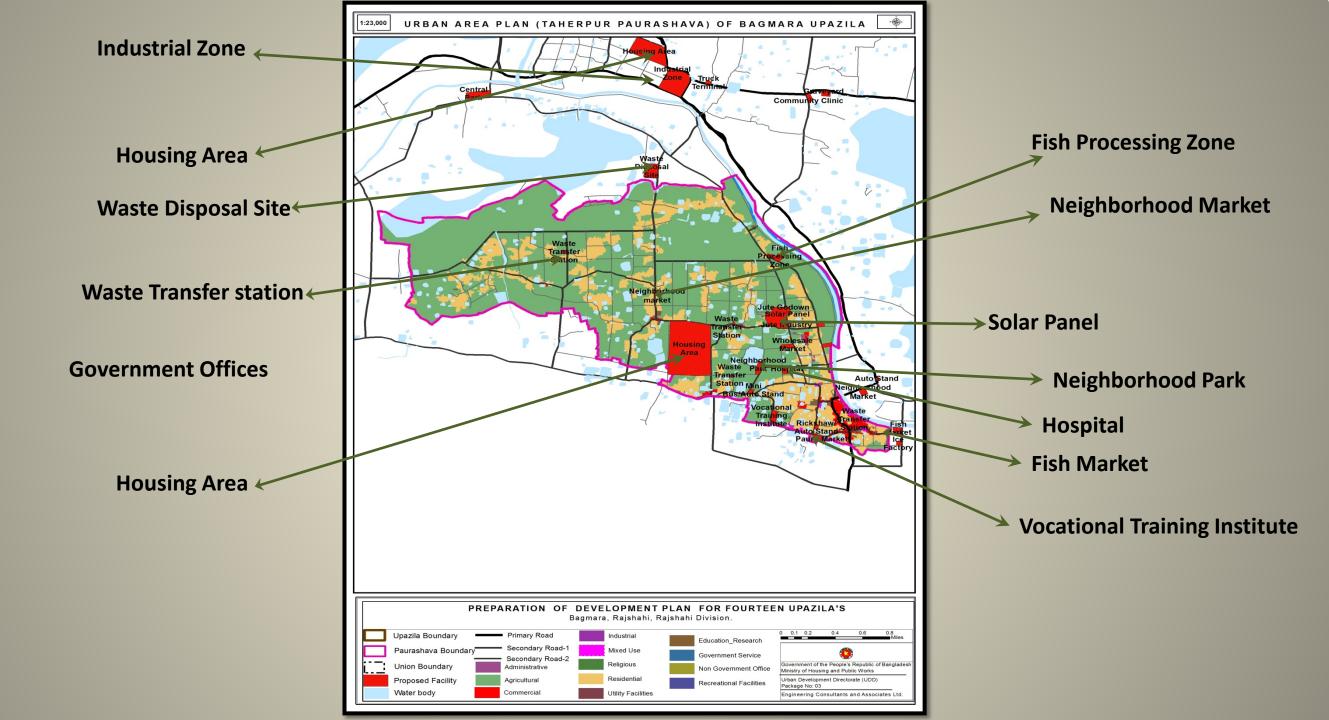
08	09	Md. Abdul Malek	Vabaniganj	1. Construction of Bridge over Fakirniriver at Bhabanigar Degree Collage for removing traffic jam.	Has been Proposed
		Mayor,	Pourashova	2. Developed burial ground is needed	
				3. Stadium is needed	
				 Children Park is to be needed. Buss/truck terminal is to be established at Chanpara. 	
				 6. Solar panel is needed at Chanpara. 	
				7. Construction of public toilet every ward at Bhabanigang.	
				 8. Prevention of Fakirni river bank erosion for sustain haose. 	
				9. Construction of wider road from Taherpur to Naogon	
				10. Construction of public toilet center of the Bhabanigang.	
				11. Crippler hospitals is needed at Suryopara.	
				12. Construction Vatenari training center.	
				13. Need to build an industry at Surjopara, konipar, Dagafaria.	
				14. Irrigation system developed by solar panel.	
				15. Construct fish hatchery for fish processing at Bhabaniganj and Chanpara.	
				16. Build an Open University for developing education system.	
				17. Construct a bridge/culvert for transporting agricultural at Bilsoti and Matikata.	
04.	05.	Md. FayazUddin	7 no. ward	1. children park	Has been Proposed
				2. Passenger shade.	
				3. Supply pure drinking water.	
				4. Agricultural training center	
				5.House facility for homeless people	
05	06.	MossammotShaha	5 no ward	Ward no-5	Has been Proposed
		nara		1. Govt. graveyard, public toilet, and project to prevent river erosion is to be needed.	
		Woman Councilor		2. Eidgah ground is to be needed.	
		(4,5,6 no ward)		 School is needed for autistic child. 	
06	07		VahaniganiDa		Hag been Dreneged
06	07.	Md. Rohidul Islam	VabaniganjPo	1. Govt. graveyard	Has been Proposed
			urashova	2. Eidgah ground is to be needed.	
				3. Seepage system is needed.	
				4. Employments for educated unemployed women and youth.	
07	08	RunaBibi	VabaniganjPo	1. Development of road	Proposed
		Woman Councilor	urashova	2. Supply pure drinking water	
		(1,2,3 no ward)		3. Public toilate is to be needed	
L	_				

Comments and Plan adjustment (Taherpur Paurashava)

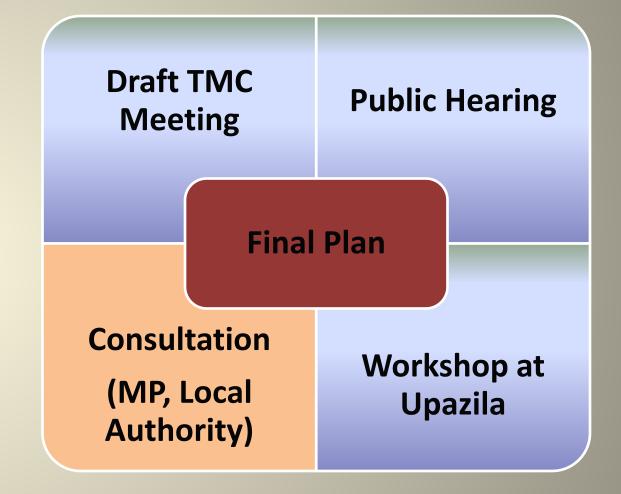
01.	02.	Md. Raisuddin Councilor	9. no ward	Nine Waste transfer stations build in nine Wards.	A large waste transfer station has been proposed in urban area.
02.	06.	Hafizul Islam Councilor	7 no ward	Managing Fish Processing Zone in large area.	Proposed already
03.	07.	Md. AubaliShordar 2 No. ward Construct Bypass road from Walton- Bachiapara.		Construct Bypass road from Walton-mor to Bachiapara.	Have been Addressed
04.	08.	Md, Abdul Rahim Professor Mohila College	sor another is needed at Zamgram village.		No need
05.	09.	Ashraful Islam			It has been proposed at urban area
06.	11.	Abdul Zalil Councilor	4 no ward	Several public toilet is essential at the market place in 1, 2, &3 No Ward.	Have been proposed
07.	13.	ShamimaAkhtar Beauty Councilor	7,8.9 no ward	Park situated in right place.	Have been proposed
08.	14.	Doctor Yeasin	2 no ward	1. Essential for construct a Medical and Maternity center.2. Need nine Community Clinic in nine wards.	Have been proposed
9.	15.	MdHasanuzzaman Primary teacher	2 no ward	Fire Brigade	Will be Addressed
10.	16.	Md. AyubaliShorkar	2. No ward	Need to manage drainage system	Have been proposed
11.	18.	Taposh Kumar pintu councilor	9. no ward	Construct a bridge over Barnoy river in 1No Ward.	Will be Addressed
12.	19.	Abdur Rahim Principle	Mohila college	Environmental Office is needed preservation of agricultural product and meat processing	Will be Addressed
13.	21.	Abulkalam Azad Mayor	Taherpur.	A stadium and children park is needed.	Have been proposed







Consultation (MP Meeting, Local Authority)







PUBLIC PARTICIPATION AND LOCAL CONSULTATION





PUBLIC PARTICIPATION AND LOCAL CONSULTATION



MP CONSULTATION



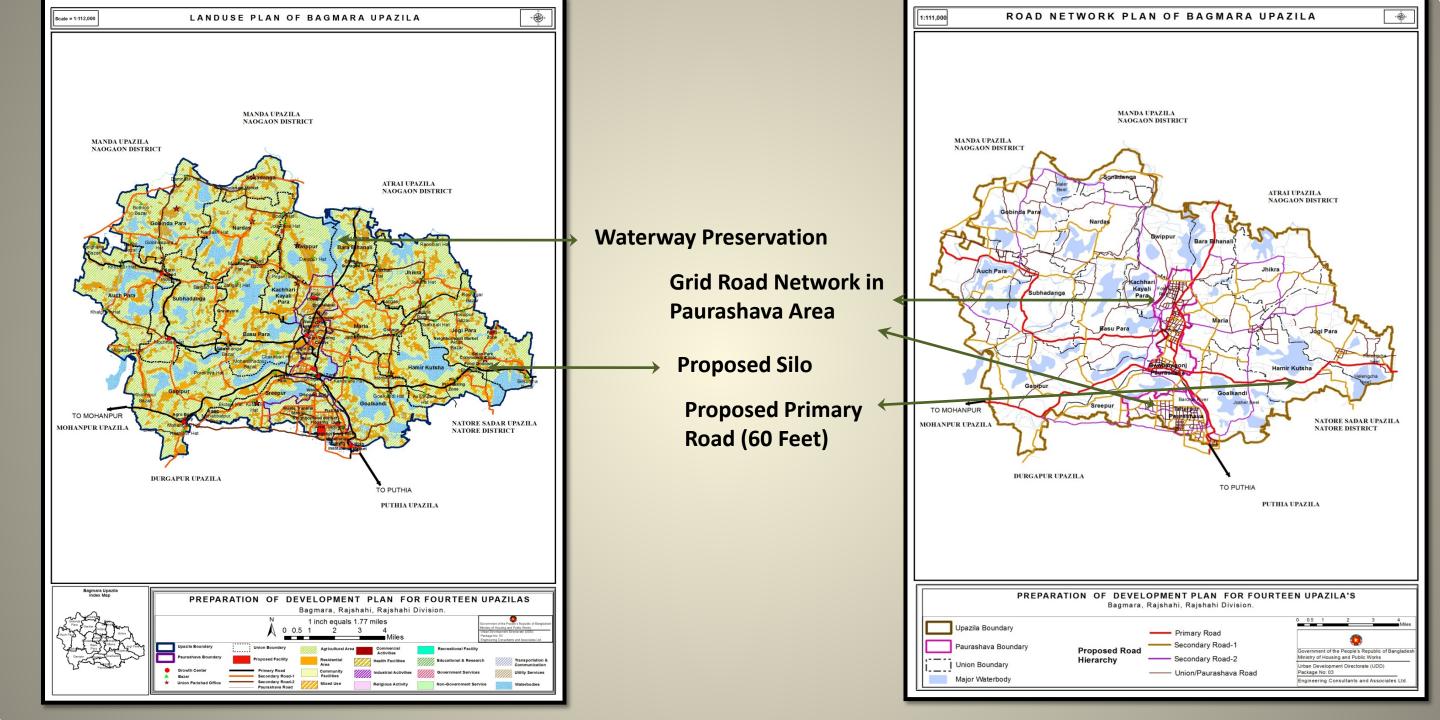




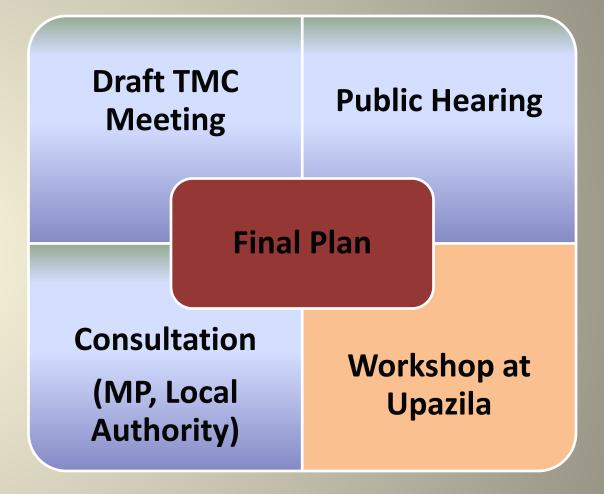


MP CONSULTATION





Workshop at Upazila







Workshop at Bagmara

Bagmara Upazila







Workshop at Bagmara Upazila



Meeting Discussion at Workshop

Designation	Comments			
Engineer, Member of Parliament,	Need drainage map in details			
Rajshahi-4	Detailed landuse policy			
Chairman, Sonadanga	Natural conservation at rural area			
	Need cold storage			
Chairman, Auchpara	No widen road at east bagmara and west bagmara			
Chairman, Gobindapara	River excavation			
	Supply of pure drinking water			
	• Establishment of dam			
President, Bonik Somiti	Bypass at bwabaniganj bazaar			
Chairman, Kachari kayalipara	Flood Control			
	• Dam repair			
	Excavation of river			
Principal, Bwabaniganj College	Plan for border area people of upazila boundary			

SDGs and Proposed Plan

SDGs	Proposed Plan of Bagmara Upazila	
SDG-1: Ensure access for all to adequate housing and	 Core Housing Area- for low income people Planned Housing Area 	
basic services and upgrade slums		
SDG-2: Provide access to safe affordable accessible and sustainable transport systems for all, improving road		
safety, notable by expanding public transport.	Different types of new service roads	
SDG-3: Enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries	Hydrological suitability analysis	
SDG-4: Strengthen efforts to protect and safeguard the worlds cultural and natural heritage	Heritage sites such as • Bir Kutsha Jomidar Bari • Goalkandi Rajar Bari	
SDG-5: Reduce the number of deaths and the number of people affected and substantially decrease the direct	Only some sub flood flow zone has identified after analyzing previous 20 years flood flow data. Human settlement on sub flood flow zone are discouraged.	
economic losses .		

SDG-6: Reduce the adverse per capita environmental impact of cities including by paying quality and municipal and other waste management.	 paurashava. One waste Disposal Site in Upazila. One Night Soil Treatment Plant in Upazila. A Water Treatment Plant to evade direct mix of industrial waste with water. Suggestion of different policy and strategy for waste management and pollution control. 		
SDG-7: Reduce the adverse per capita environment impact of cities including by paying special attention to air quality and municipal and other waste management	In Urban, and peri-urban area brick field is restricted within 3 km. buffer zone from centre of the Paurashava. Considering this consultant has proposed the brick field area near to paurahsava will be converted into different facilities and for other uses.		
SDG-8: Provide universal access to safe inclusive and accessible green and public spaces in particular for women and children, older persons and persons with disabilities .	Village parks,		
SDG-9: Support positive economic , social and environment links between urban, peri-urban and rural areas by strengthening national and regional development planning	Shopping complex,Pauro market,		
SDG-10: Support least developed countries including through financial and technical assistance in building sustainable and resilient buildings utilizing local material.	 Risk Assessment survey Collection of 8 type's structural data such as Overhanging, Soft Story, 		

SDG 2030

Vision 2021 Elimination of Poverty & Inequity

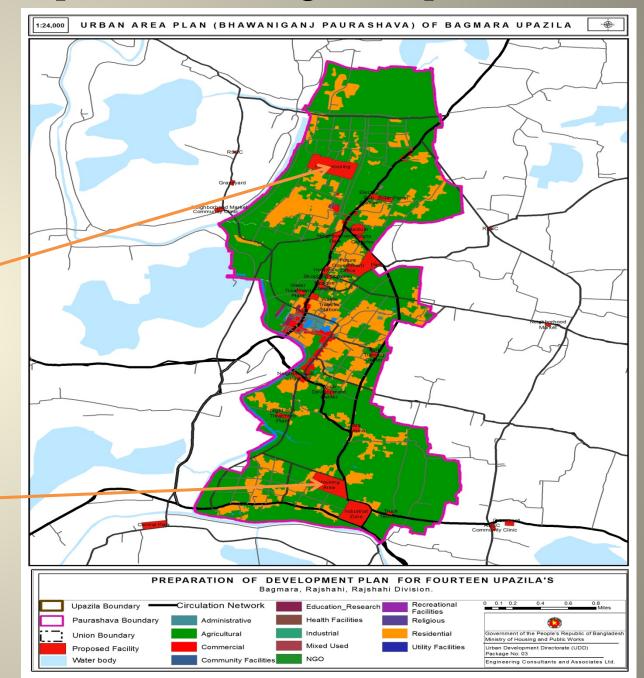
Goal 01: No Poverty

Policy Guideline to reduce Proverty
Housing
Poor Housing

Poor Housing at Bwabanigonj(30 Acre)

Housing(23.98 Acre)

SDGs and Proposed Plan of Bagmara Upazila



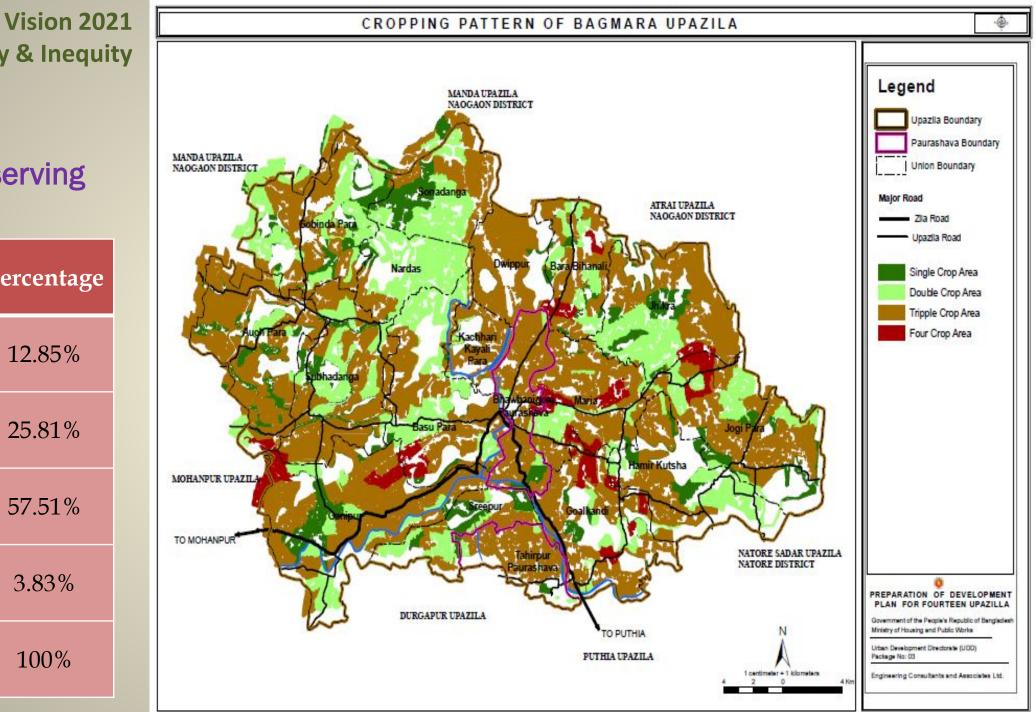
SDG 2030

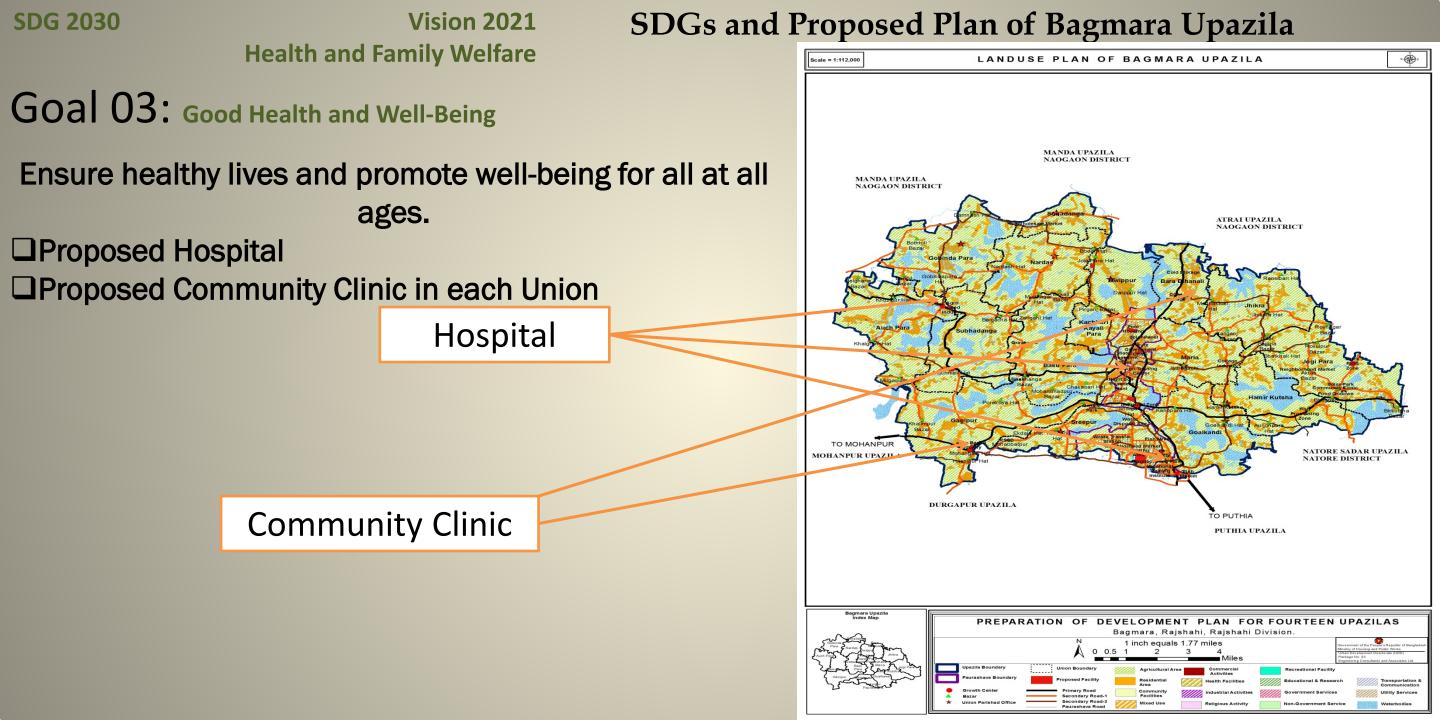
Elimination of Poverty & Inequity

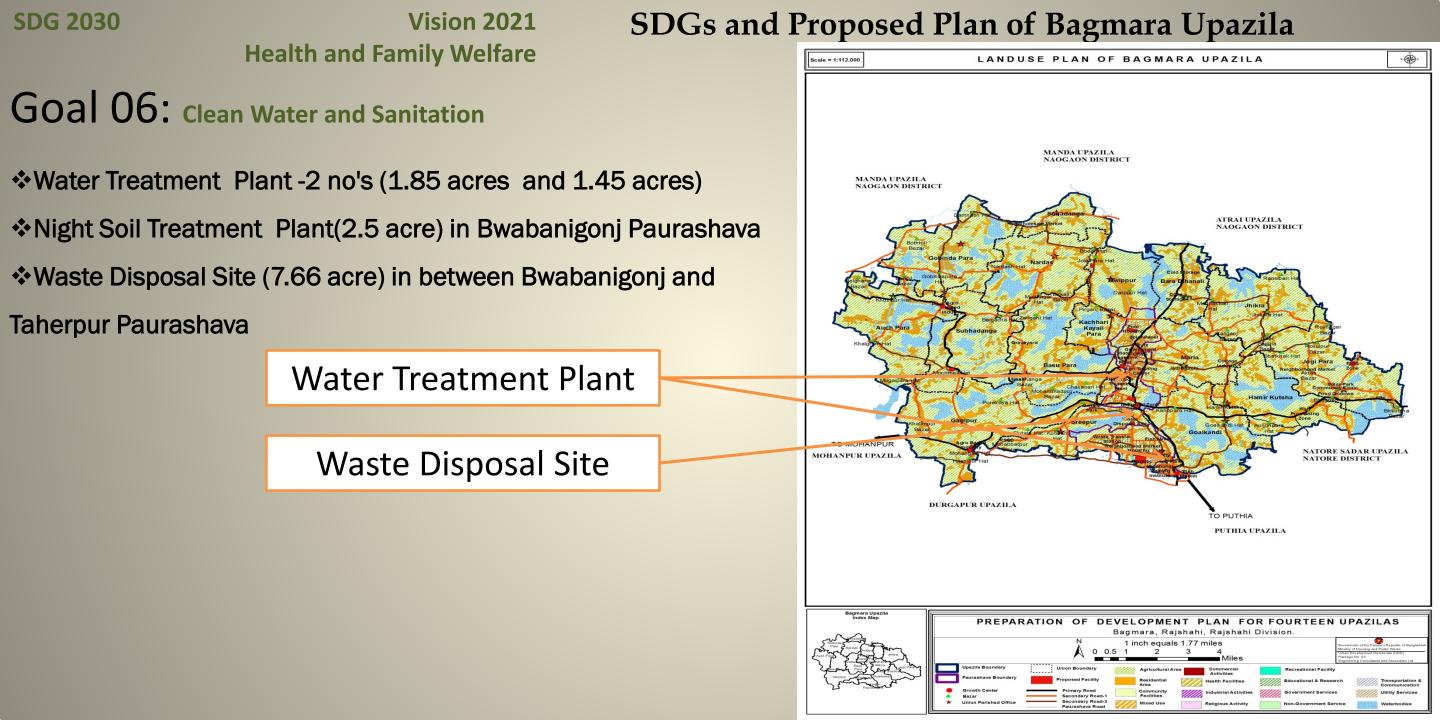
Goal 02: zero Hunger

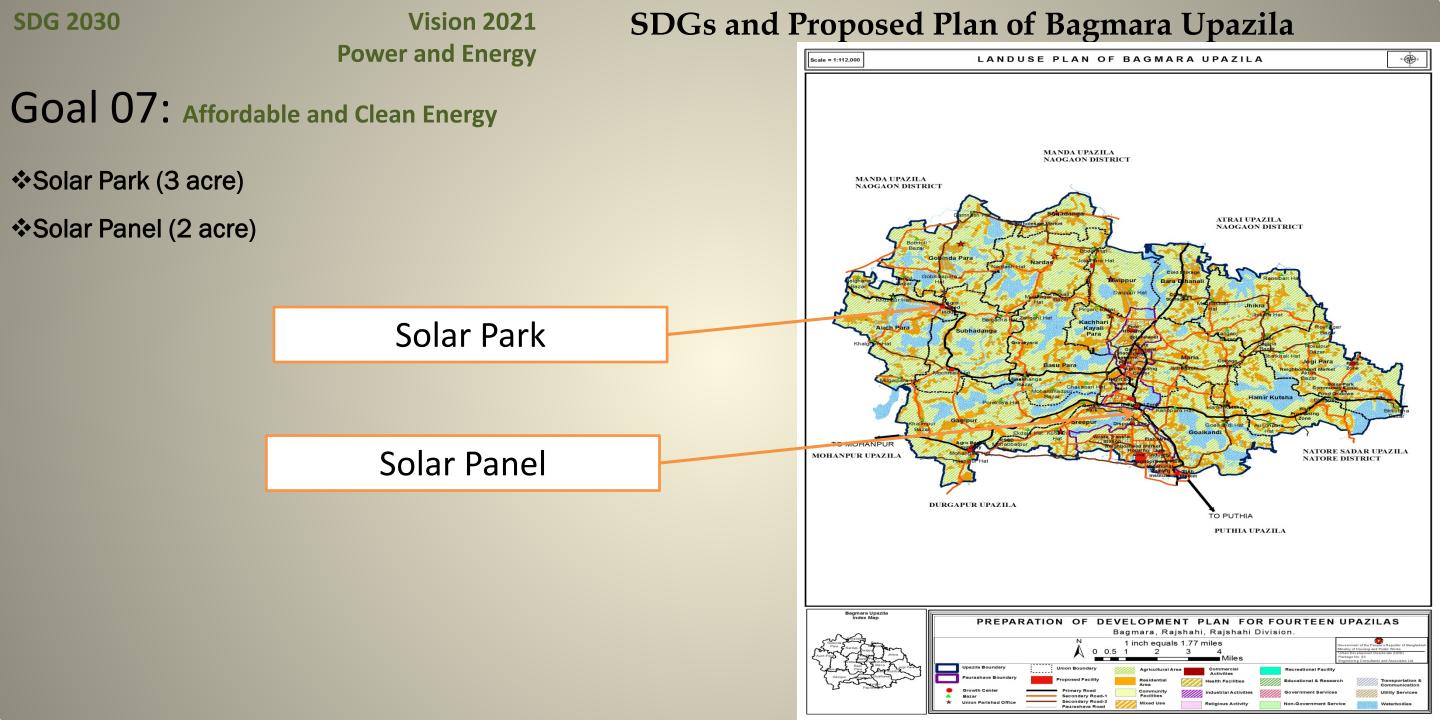
Ensure food Security by Preserving Agriculture Land

Cropping	Area in	Area in	Percentage
Pattern	Acre	Sq.km	
Single	7790.023	31.52510	12.85%
Cropping	111	5	
Double	15651.78	63.34054	25.81%
Cropping	868	2	
Triple	34876.84	141.1415	57.51%
Cropping	722	93	
Four Cropping	2324.321 155	9.406194	3.83%
Total	60642.98 017	245.4134 34	100%











Thank You for Your Kind Attention