

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH MINISTRY OF LOCAL GOVERNMENT, RURAL DEVELOPMENT AND CO-OPERATIVES Local Government Engineering Department (LGED)

Agargaon, Sher-E-Bangla Nagar, Dhaka-1207

Final Report on Study–03 'My Village -My Town' -Technical Assistance Project

"Feasibility Study for Rural Connectivity including Multi-Modal Transport System in Char and Haor Areas"

Dharmapasha, Sunamganj







July, 2022

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GLOSSARY

- **Hard-to-reach Villages** mean in the Study those villages that are not connected by any paved road with the respective Upazila HQ and/or Union Parishad, and to the nearest economic activity hub and social service centres. The following explanations is important for the concept of hard-to-reach villages.
 - In haor areas, Village connected with submersible roads dry season and connected with riverine/haor routes in monsoon season has been considered as accessible and excluded from hard-to-reach villages.
 - Within Upazila, Villages that needs a bridge to connect has not considered as hard-to-reach villages.
 - In case of island Upazilas, villages that are accessible with paved roads from Upazila HQ has been considered as accessible and excluded from hard-to-reach villages.
 - In case of villages that are connected with HBB (Herring-Bone-Bond) or Brick flat soling routes has been considered as hard-to-reach villages
- **Mauza** is normally the geographical expression of a unit of landmass for revenue settlement and revenue collection, whereas, the village is a human settlement within a Mauza with strong social bond. Within a Mauza there could be more than one village.
- UnionBangladesh has 3-tiers local government system: District, Upazila and Union.Union is the lowest level of local government below Upazila Parishad
- **Upazila** Sub-district; the third level of government administration below division and district.
- Hat Synonym of bazar or market
- **Walking Trail** mean in the Study the village pathway or access used for walking by commuters, in the most cases do not have gazetted or established or commonly used alignment, and to the most, passable by bi-cycle or motor bike. These village trails are not passable by motorized jeep or mini truck or emergency service vehicle or not even by any three wheelers.

Unpaved Roads have no pavement or surface material. They are usually the earthen roads.

- **Vulnerability** is the human dimension of risk that is defined as conditions determined by physical, social, economic, environmental, political, cultural and institutional factors or processes which increases the likelihood of an individual or a community to the impacts of shocks and hazards.
- **Climate-Resilience** is expressed as the ability of a community to resist, absorb, adapt to and recover better from the impacts of disaster like flood and landslides in a sustainable way.

ABBREVIATIONS

ADB	– Asian Development Bank
BBS	– Bangladesh Bureau of Statistics
BC	– Bitumen Carpeting
DatEx	– Data Expert (Pvt.) Limited
DECL	– Delight Engineers and Construction Ltd.
DoE	– Department of Environment
DPHE	- Department of Public Health Engineering
DPP	 Development Project Proposal
FGD	– Focus Group Discussion
GIS	– Geographic Information System
GOB	- Government of Bangladesh
HBB	- Herring-Bone-Bond
HQ	– Headquarter
JV	– Joint Venture
KII	- Key Informant Interview
LGD	- Local Government Division
LGED	- Local Government Engineering Department
LGI	- Local Government Institute
MVMT	– My Village My Town
NGO	- Non-Government Organization
PD	– Project Director
PMO	 Project Management Office
RCC	- Reinforced Concrete
RHD	 Roads & Highways Department
SDGs	- Sustainable Development Goals
ТА	-Technical Assistance Project
UNDP	- United Nations Development Programme
UNO	– Upazila Nirbahi Officer
UNR	-Union Road
UP	– Union Parishad
UPZ	– Upazila Road
VRA	– Village Road A
VRB	– Village Road B

BACKGROUND

Context of the Project

The Government of Bangladesh made massive plans to ensure equitable development around the country. Under this development philosophy, the GoB requirements are to reduce ruralurban divide to foster developmental benefits for all citizens. As part of this, the government declared an election manifesto on the eve of the national parliament election 2018 uniting the theme **Bangladesh on the March Towards Prosperity** aiming at transforming Bangladesh into a developed nation by 2041. Under this, villages have been considered the basic unit of prosperity for building a developed nation.

This firm commitment was declared following the light of the philosophy of the Father of Nation Bangabandhu Sheikh Mujibur Rahman to build 'Sonar Bangla' (Golden Bangla) through inclusiveness, balanced and development for all.

Following the philosophy of the Father of the Nation, the government declared election manifesto 2018 titled 'My Village-My Town'- Extension of Modern Civic Amenities in Every Villages. The Local Government Division under the Ministry of Local Government, Rural Development and Cooperatives has prepared a comprehensive work plan to make this election commitment a reality. The Local Government Division with its two agencies, Local Government Engineering Department (LGED) and Department of Public Health Engineering (DPHE) has undertaken a technical assistance project named 'My Village-My Town'-Technical Assistance Project. Under this project, 36 studies and 30 guidelines are being developed on eight thematic components related to mandate of Local Government Division. The eight thematic components are Rural Communications, Growth Centre and Hat bazar, Rural Water Supply and Sanitation, Rural Waste Management, Community Space and Recreation Facilities, Upazila Masterplan, Rural Housing and Capacity building of Upazila and Union Parishad. Besides this, a coordination framework is being developed among the other ministries involved in implementation of My Village-My Town election manifesto. It is notable to mention that a coordination committee has been formed comprising 21 ministries to implement the program in a coordinated way under the leadership of the Minster of Local Government, Rural Development and Co-operatives.

Context of the Report

This report is a part of study of the component 'Rural Connectivity'. Rural connectivity is the basic of all amenities in the villages. Rural connectivity works as the conduit that can supply a number of bare necessities such as access to market, health, education, employment etc. In general Bangladesh has remarkable progress in rural connectivity. Instead of this, a number of regions of the country are geographically sensitive where rural connectivity is not easy and has lot of challenges. These regions are -Haor, Beel, Hills, Chars, islands etc. The people residing in these regions has considerably low access to civic amenities compared to other villages of the country. Therefore, study and plan development of improvement of rural connectivity is one of the important assignments of the technical assistance project. The project undertook Upazila based special study on the villages of these geographically sensitive regions that are mentioned before.

This report contains rural connectivity status and priority plan of the **Dharmapasha** Upazila of **Sunamganj** District.

1 DESCRIPTION OF THE UPAZILA

1.1 GEOGRAPHY AND DEMOGRAPHY

The geographical area of Dharmapasha upazila is 531 sq.km. It has 10 unions, 174 mouzas and 324 villages. Dharmapasha is 95 km far from district headquarters of Sunamganj. It is covered by 36 major haors and there exists 11 rivers flowing over the upazila. The total population of the upazila is 2,43,464 of which 1,22,300 are male and 1,21,164 female, total number of households is 47,965 and average household size is 5.08 and density of population is 888 (as per population census 2011).

1.2 EDUCATION FEATURES

According to the information availed from relevant local government offices, there are 98 govt. primary, 87 registered primary, 2 non-government primary, 72 NGO schools & 11 kindergarten schools. On the other hand, Dharmapasha has 17 non-government high schools with 3 privet college, and 27 madrashas. The literacy rate for the upazila is 29.2%.

1.3 RURAL ROAD COMMUNICATIONS

Bangladesh scored in the rural accessibility index at around 87% among South Asian and some other Africa countries. Generally, the people of Bangladesh get all weather within 2 kilometers adjacent to their living places. But the feature of rural roads communications in Dharmapasha upazila is contrasted. There are many villages, disconnected from the developed paved road network that brings huge sufferings for the people of the villages. The total rural road network of Dharmapasha is of 483.84 km, out of which, 220.30 km is paved and 263.55 km earthen.

1.4 AGRICULTURE, FOOD PRODUCTION AND FISHERIES

Agriculture has a major importance for the economy of the people of Dharmapasha. There are 91,390 acres of arable land in the upazila. In the fiscal year 2010-11 the Rice production was 135, 4958 & 81710 metric tons for Aus, Aman & Boro seasons respectively. The upazila also produced 440 metric tons of Potatos and 141 metric tons of Oilseed in the same fiscal year 2010-11.

According to the BBS (2010-11) data Dharmapasha has 41,378 Acres of haor, pond & dhighee that produces abundant fishes. There also exists 8 dairy farms & 161 poultry farms in the upazila.

All the agricultural products are adequate to meet the demand of the upazila and surpluses are sold to outside of Dharmapasha.

1.5 GROWTH CENTRE AND HATBAZAR

Growth Centre and Rural Hatbazr is one of the main centres of the rural economy. Hatbazar is like the heart for the development of the rural economy. Rural hatbazar plays a role in increasing production and creating employment impacting on the supply chain of agriculture and non-agriculture products. There are 16 hatbazars with 3 growth centers in the upazila. The structural development of hatbazar and growth is pivotal to boosting up the rural economy. A details of the growth center & hatbazar of the Upazila has been attached in the <u>Annexure-1</u>.

2 LOCATION OF THE UPAZILA

Dharmapasha upazila is in the North-Eastern part of the country under Sunamganj district of Sylhet division. The location has been shown in the map. It is surrounded by Meghalaya State (India) on the north, Mohanganj and Barhatta upazilas on the south, Tahirpur and Jamalganj upazilas on the east, Kalmakanda and Barhatta upazilas on the west. The upazila is mostly deep haor zone in between *Sylhet - Mymensingh Haor Basin*. The hilly rivers coming down from the 'Khasi and Jaintia hills' in Meghalaya, India carry particularly high volumes of water during monsoon as they come from some of the rainiest places in the world, resulting flash flood at the foothills inside Bangladesh. Flood coming from uphill Meghalaya (*where there is Cherrapunji, the wettest place on earth*) during monsoon causes waterlogging within the haor basin for almost half the year. Flash floods induce severe impacts in both the built and the natural environment. The effects of flash floods can be catastrophic and show extensive diversity, ranging from damages in buildings and infrastructure to impacts on vegetation, human lives and livestock.

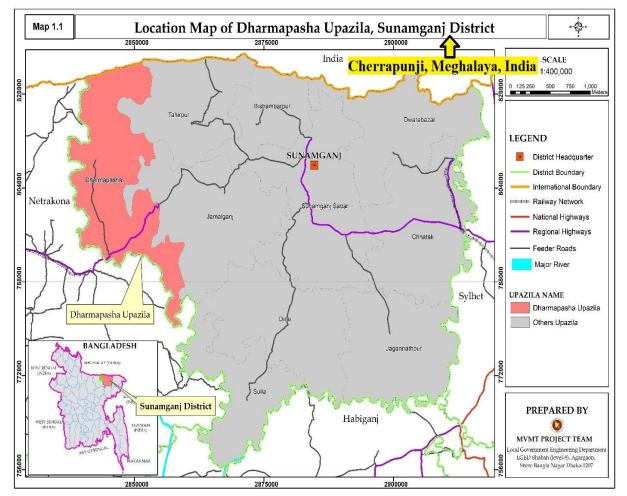


Figure 1: Upazila Location Map.

3 APPROACH & METHODOLOGY

3.1 STUDY TEAM COMPOSITION

A team consisting of Senior Rural Road Infrastructure Specialist, Associate Rural Infrastructure Specialist, Assistant Engineer engaged by Project Management Office (PMO) conducted the study. On the other hand, A

team consisting of Deputy Team Leader cum Rural Infrastructure Engineer, Junior GIS expert and Junior Engineer engaged by consulting firm (datEx & DECL JV) conducted the study. Participatory approach to review the database and identify priority transport infrastructure needs ('sub-projects') was instrumental. At the stakeholder consultation meeting held in each district, the database was reviewed, priority needs identified and mapped working together with the LGI representatives and LGED technical LGED team. and LGI

Stakeholder Consultation Meeting

- Hard-to-reach Village Database and database of sub-projects reviewed
- Prioritization of sub-projects for each Upazila with LGI and LGED representatives
 - Hard-to-reach villages and priority sub-projects mapped in the LGED GIS Map

representatives were surveyed each Upazila for collection of detailed observations and validations of the proposed priority needs.

3.2 STUDY AREA

The Study was conducted in 72 Upazilas of haor areas, 3 Upazilas of Beel areas, 8 Upazilas of Char areas, and 4 Upazilas of Island areas during the period from December 2021 to June 2022. Apart from this, PMO team conducted the study in 50 Upazilas of Haor areas and rest of the Upazilas of Haor, Beel, Char and Island areas are conducted by consulting firm team. The upazila technical staff of LGED supported in organizing stakeholder consultation meetings and in database review and mapping the Hard-to-reach villages and population during this study period. They also supported in the field work and authentication check by visits to the sub-projects in their respective Upazila, and looking at the feasibility of some proposed sub-projects from technical, social and environmental perspectives.

3.3 DATABASE REVIEW AND ANALYSIS

The Study applied both qualitative (e.g., focused group discussions and in-depth case study field work) and quantitative (structured and semi structured interviews) approach and methods in reviewing and conducting field work in all the haor areas to understand the need and impact of rural accessibility in remote village contexts. The most applied methods in the reviewing and conducting field work were:

- Key Informants Interview (KII)
- Focus Group Discussion (FGD)
- Case Study for authentication check and individual sub-project feasibility study.

- Review Hard-to-reach village database at the 'Stakeholder consultation meeting' participating by local government representatives such as UP chairman and members, upazila chairman, vice-chairman, and UNO.
- FGD and KII were conducted using a checklist. Composition in the FGD included local community people: male and female, teacher, local farmer, trader, and student depending on the availability.
- ✤ KIIs of Union Chairman, Upazila chairman, UNO male and female, and teacher depending on availability.
- Authentication and feasibility check by visits to the sub-projects reviewed and listed for the 40 selected case study unions under MVMT project.
- Survey with GPS machine and Google apps in collecting Hard-to-reach village location, landmark, chainage at gaps, village road at section vulnerable to land erosion damage, narrow existing width or sharp slope location.

3.4 **PRIORITIZATION CRITERIA OF SUB-PROJECTS**

Prepare a priority list of sub-projects by Upazilas that includes gazette ID roads and nongazette roads (No ID) with attributes like name and number of villages and population. The criteria used in the prioritization are described below.

- Population, travel time needed from the remotest villages to the Upazila HQ, road type and cost per km per 1000 population are the indicators weighted giving a value in a formula.
- Priority is given to single connection with no alternative transport road and multi-modal transport route to connecting the villages with Upazila HQ and Union Parishad, growth centre and important markets and social service centres; villages with higher number of population and travel time get higher weightage;
- Priority is given to roads, ghats and collection points that will facilitate agricultural diversification, reduce transportation cost, ensure fair price and create farm and non-farm employment and income;
- Priority is given to roads' development and inland waterways dredging that will enable year-round mobility of general public and villagers in particular, health workers, teachers and students, and tourists to facilitate tourism development, quality education and better health service in the district and region;
- Special priority is given to sub-projects of roads, riverine routes/inland waterways that will mainstream deprived communities living in the hard-to-reach villages;
- Identified sub-projects more cost-effectiveness than others using per km per 1000 population cost for each sub-project;
- Every sub-project(s) is to be climate-resilient, sustainable and cost-effective.

3.5 WEIGHTAGE DISTRIBUTION FOR PRIORITIZATION

The approaches and methodologies of the Study for reviewing database and prioritization are synthesized in the diagrams below, noting that the proposed sub-projects of roads in the databases are prioritized based on weightage calculated on the set criteria (as shown in the diagram). People's demand and local need are reflected in the prioritization which were determined by the Study, working together with LGI representatives and LGED field level technical staff at the stakeholder consultation meetings held in each upazila.

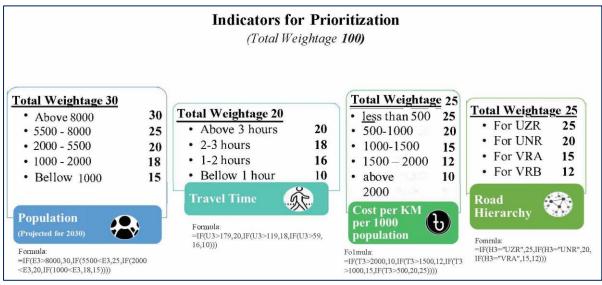


Figure 2: Prioritization indicators & their weightage values

3.6 MAPPING HARD-TO-REACH VILLAGES & POPULATION

- With the active support of LGED technical staff, first, draw every priority listed MVMT roads and Hard-to-reach villages on the LGED GIS map in presence of union Chairman and members who knows the sub-project and area the best. This was not in scale but approximation was reached by triangulation. Then digitized on screen using GIS, and validate with Google map and checked with data and information on important features and points collected using GPS during field visits.
- There were challenges in deciding on starting node and/or zero chainage of the nongazette (No ID) road, because not all non-gazette sub-projects were visited and surveyed by the Study team.

3.7 WRAP UP MEETING

Wrap up the field work progress at each district holding a meeting chaired by the Executive Engineer, LGED and participated by all upazila engineers of the respective district. On completion of the fieldwork, this was conducted to share issues and updates to the district Executive Engineer for feedback and action, as necessary.

3.8 VALIDATION WORKSHOP

On completion of data analysis and drafting of the database and mapping, the Study outputs were shared with the respective districts and upazilas for final review. Later validation workshop was held at the respective district on the Draft Report to share and validate the findings. This was participated by the LGED Division, District and Upazila officials and technical staffs.

3.9 NATIONAL WORKSHOP

The Draft Report is finalized, incorporating comments received from the validation workshop, LGED head office staff and PMO office. A National Level workshop was held at LGED HQ for sharing and disseminating the results of the Study.

4 **DESCRIPTION OF WETLANDS**

4.1 DISTRIBUTION OF THE HAORS/ WETLANDS

The Upazila has a large portion of flash flood zone that covers almost 90% of its total area. The roads within the flood zone becomes inundated at monsoon, that requires an attention to take relevant measures during road construction and maintenance.

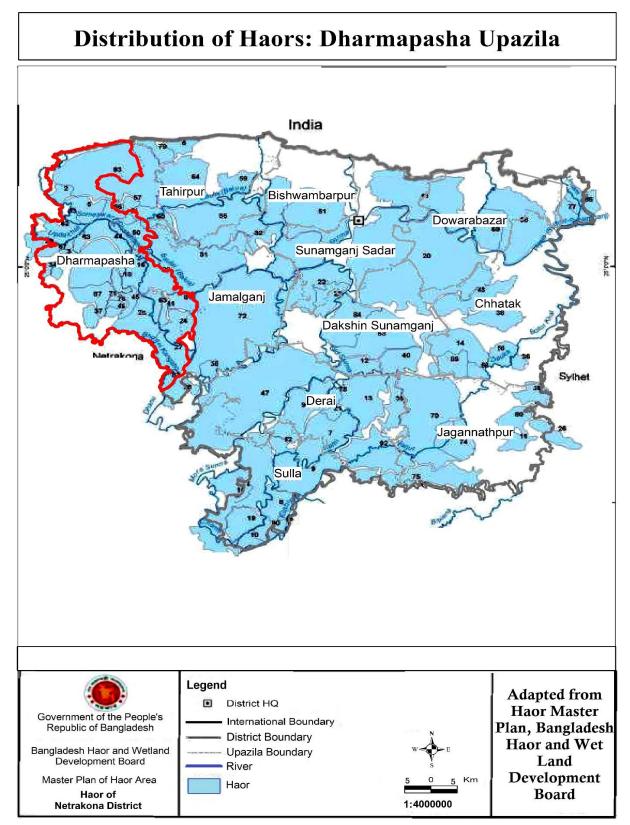


Figure 3: Haor Distribution Map Page | 7

4.2 HAOR/ WETLAND CATEGORY

However, most of the portion of the upazila is within deeply flooded zone. Therefore, road or other infrastructure development in this Upazila has major environmental consequences.

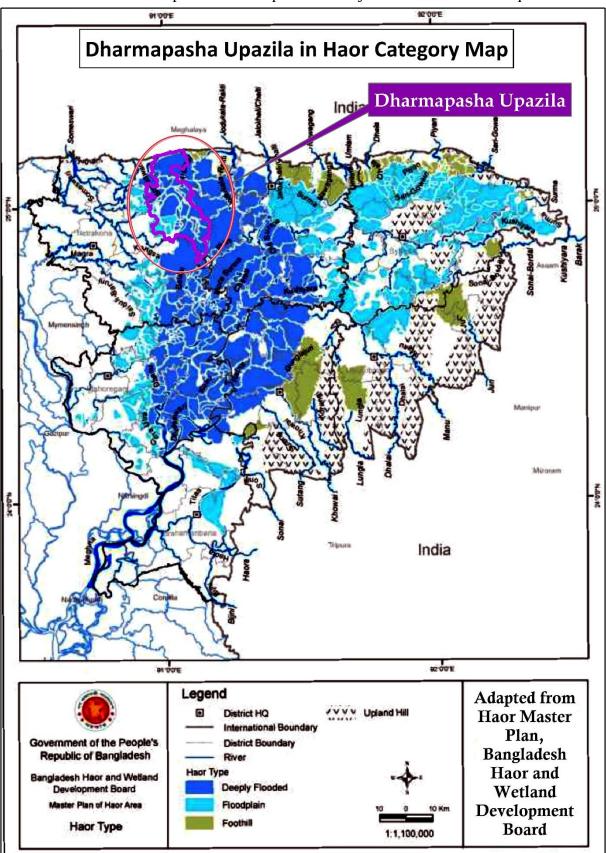


Figure 4: Haor Catagory Map.

4.3 **BIO-ECOLOGICAL CHARACTERISTICS**

The Bio-ecological characteristics map of the Upazila has been shown below. The map shows that-it is mostly Himalayan Piedmont Plain and rest of it is Haor Basin. Therefore, adequate opening for the road and road structures should be maintained.

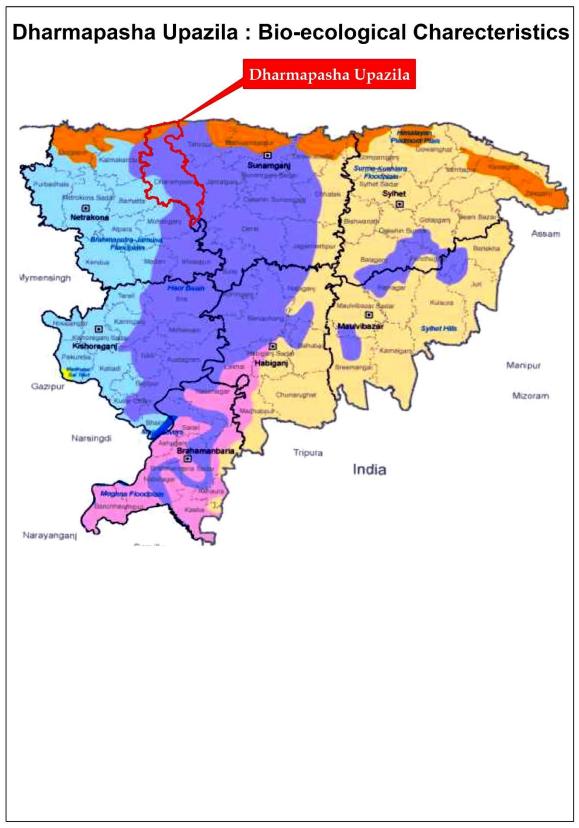


Figure 5: Bio Ecological Characteristics Map

5 RURAL ROAD CONNECTIVITY TO THE VILLAGES

5.1 SUMMARY OF THE VILLAGE CONNECTIVITY

Dharmapasha is an upazila with major haors. The rural road communication is quite poor here. Out of 322 villages, 65 are disconnected from the developed paved road network that brings huge sufferings for the people of those villages. The total rural road network of Dharmapasha is of 483.84 km, out of which, 220.30 km is paved and 263.55 km earthen.

SL No	Union	No of Villages	Connected Villages	Disconnected Villages
1	Chamardani	36	25	11
2	Dakshin Bongshikunda	47	32	15
3	Dakshin Sukhairrajapur	18	14	4
4	Dharmapasha	31	27	4
5	Joysree	23	21	2
6	Madhyanagar	38	29	9
7	Paikurati	41	32	9
8	Selborash	32	31	1
9	Uttar Bangshikunda	29	22	7
10	Uttar Sukhair Rajapur	27	24	3
	Total =	322	257	65

Table 1: Total villages in the unions and their connectivity

5.2 VILLAGES AND THEIR CONNECTIVITY – UNION LEVEL

The consultant arranged a meeting at upazila conference room with and all the UP Chairmen & their secretaries. The team interviewed representative of each the union and collected data about the HTRV.

Union	SI. No	Connected Villages	Population 2021 (Based on BBS 2011)	Disconnected Villages	Population 2021 (Based on BBS 2011)
(36)	1	Belakipur	646	Bishara	542
	2	Chamardani	2990	Darappur	344
Chamardani	3	Chholemanpur	1017	Dugnai	2049
arc	4	Dattapara	238	Jalusha	1794
am	5	Irabad	576	Kadirpur	556
Chi	6	Dakshin ramjura	406	Kahala	484
•	7	Dakshin Nagda Para	264	Muzaffarpur	1359
	8	Uttar Nagda Para	189	Nandipur	467
	9	Uttar Ramjura	1064	Shapur	
	10	Kamargaon	396	Sidlhi	
	11	Karabad (Abidnagar)	490	Balarampur	1125
	12	Kayetkanda	913		
	13	Laudugnai	1344		
	14	Madhabpur (Tapirkona)	606		
	15	Madhya Naogaon	890		

 Table 2: Union wise connected & disconnected villages and their population

Union	Sl. No	Connected Villages	Population 2021 (Based on BBS 2011)	Disconnected Villages	Population 2021 (Based on BBS 2011)
	16	Majishpur	176		
	17	Makchhudpur	190		
	18	Nayagaon	365		
	19	Purba Sahapur	1335		
	20	Ramdigha	574		
	21	Sabaripara	296		
	22	Sahabadpur	213		
	23	Saripur	563		
	24	Uttar Daulatpur	1574		
	25	Uttar Noagaon	194		
	Sub	Total=	17509		8720
(47)	1	Baghar Para	288	Alampur	730
da (2	Harinakanda	596	Roha	1365
Dakshin Bongshikunda (47)	3	Joypur	566	Birsing Para	521
hik	4	Bangshikunda	1371	Buripatni	699
ngs	5	Noagaon	684	Chandal Para	875
Boi	6	Chandpur	585	Rangsi	1975
nin	7	Chapaiti	999	Hatpatan	496
ıksł	8	Batta	640	Kauahani	685
Da	9	Dakshinura	666	Khagarhati	308
	10	Dhulpushi	473	Mirzapur	662
	11	Dhobaghatpur	345	Nichintapur	1477
	12	Dulanania	456	Palamati	857
	13	Amanipur	673	Patkura	1437
	14	Datia Para	1574	Nianagar	401
	15	Khidirpur	464	Shapur	723
	16	Hamidpur	1586		
	17	Basaura	0		
	18	Noabanda	464		
	19	Makandi	194		
	20	Keshabpur (Ghashi)	472		
	21	Mahammad Alipur	824		
	22	Garakata	1349		
	23	Panarkuri	760		
	24	Masimpur (Atasia)	584		
	25	Rangamatia	503		
	26	Sahapur	723		
	27	Sanuakitta	558		
	28	Jagannathpur	471		
	29	Satur	706		
	30	Shishua	412		
	31	Tangur Hao	0		
	32	Teligaon	473		
	Sub	Total=	20459		13211

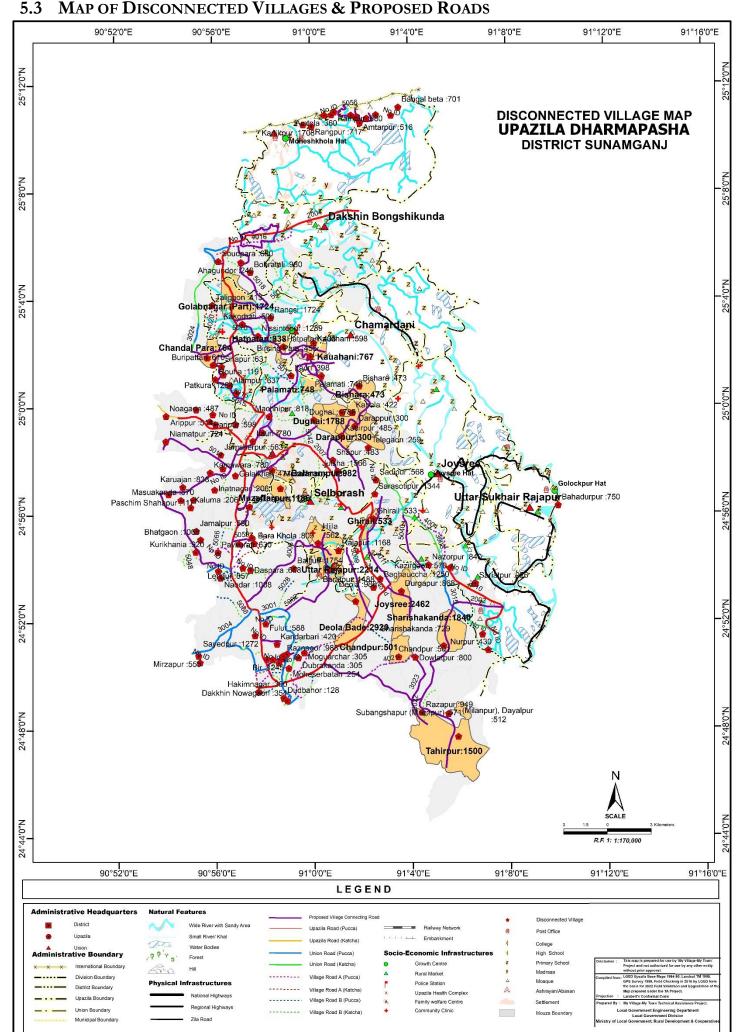
Union	SI. No	Connected Villages	Population 2021 (Based on BBS 2011)	Disconnected Villages	Population 2021 (Based on BBS 2011)
(8)	1	Binodpur	305	Dakshin Daulatpur	1286
r (]	2	Ghulua	1250	Dayalpur	587
Dakshin Sukhairrajapur (18)	3	Holashkhali	226	Subangshapur (Milanpur)	654
irr	4	Mahammednagar	1151	Razapur	718
ha	5	Moktarpur	879		
juk	6	Agalhati	285		
n S	7	Barahati	146		
shi	8	Dakshinhati	788		
ak	9	Gazinagar	622		
D	10	Lalanbari	285		
	11	Nayahati	547		
	12	Rangpurhati	849		
	13	Gobindapur	456		
	14	Tahirpur	587		
	Sub	Total=	8376		3245
31)	1	Akta Para	895	Abuar Char	1291
Dharmapasha (31)	2	Dakshin Noagaon	579	Nalgora	534
sha	3	Janear Char	519	Rajnagar	1132
ıpa	4	Madhupur	605	Deola	1130
m	5	Noagaon	467		
lar	6	Rajdharpur	624		
DI	7	Dharmapasha	5059		
	8	Fatemanagar	486		
	9	Kamlabaj	2381		
	10	Niabanda	1078		
	11	Bawhatia Kanda	377		
	12	Dasadari	960		
	13	Dudhbahar	960		
	14	Durbakanda	349		
	15	Gofurkanda	349		
	16	Maguar Char	349		
	17	Muradpur	95		
	18	Kanda Para	2448		
	19	Keshabpur	453		
	20	Kykoria	430		
	21	Radhanagar	767		
	22	Lanka Patharia	1532		
	23	Mahadipur	1514		
	24	Meuhari	2170		
	25	Halidakanda	4546		
	26	Mahisher Batan	291		
	27	Sonajana	363		
	Sub	Total=	30646		4087
23)	1	Bade Haripur	3160	Ghirail	611
e (7	2	Baghauchha	2169	Durgapur	995
sre	3	Sakargaon	847		
Joysree (23)	4	Bajitpur (Lakhankhala)	462		
	5	Bakharpur	1869		
	6	Banarashipur	860		

Union	Sl. No	Connected Villages	Population 2021 (Based on BBS 2011)	Disconnected Villages	Population 2021 (Based on BBS 2011)
	7	Rajapur	330		
	8	Sanbari	732		
	9	Barai	1967		
	10	Bhadgaon Bade (Maheshpur)	1174		
	11	Dhati najarpur	353		
	12	Chandpur	574		
	13	Haripur	1383		
	14	Shantipur	1008		
	15	Joysree	879		
	16	Mafizanagar	353		
	17	Rajendrapur	595		
	18	Najarpur	709		
	10	Palmati Chak	1540		
	19	(Swarasatipu)	1540		
	20	Sadipur	651		
	21	Telegaon	297		
	Sub	Total=	21912		1606
38)	1	Anwarpur	378	Jamsherpur	645
r (i)	2	Shibrampur	615	Ethnauri	649
ga	3	Baithakhali	723	Kanda Para	407
nna	4	Galaikhali	547	Karuajan	960
hya	5	Galha	2599	Machhipur	937
Madhyanagar (38)	6	Inatnagar	2361	Khalisha Kand	880
Z	7	Haripur	386	Niamatpur	830
	8	Noagaon	530	Paschim Shahapur	134
	9	Anantapur	313	Kamawara	
	10	Arippur	589		
	11	Jalalpur	437		
	12	Rajapur	0		
	13	Piprakanda	489		
	14	Telipara	1098		
	15	Kaluma	236		
	16	Bara Sekh Para	269		
	17	Chhota Sekh Para	479		
	18	Haor Para	188		
	19	Madhyanagara	1638		
	20	Maijpara	252		
	21	Paschimpara	202		
	22	Purbapara	368		
	23	Shaliani Para	659		
	24	Sonai Para	465		
	25	Noapara	152		
	26	Narijora (Faruqnagar)	383		
	27	Noagaon (Bangaon)	726		
	28	Sampadpur	206		
	29	Shahapur Chak	486		
	Sub	Total=	17774		5442

Union	SI. No	Connected Villages	Population 2021 (Based on BBS 2011)	Disconnected Villages	Population 2021 (Based on BBS 2011)
Paikurati (41)	1	Achpur Chak	2143	Balijuri	2010
ti (,	2	Alipur	383	Jamalpur	676
Irai	3	Balia	0	Bekhaijura	1468
iku	4	Madanpur	0	Bhatgaon	1218
Pa	5	Bamlahati	500	Hijla	644
	6	Bara Khurdarpur	24	Rajapur	1338
	7	Naya Para	173	Dawangonj	
	8	Baraihati	789	Barikandi	2625
	9	Bukripara	124	Bara Khola	
	10	Geriapara	434		
	11	Badshaganj Bazar	338		
	12	Baulam	338		
	13	Mukinpur	989		
	14	Dhobale (Birchak)	470		
	15	Kurshibari	762		
	16	Bara Khola	927		
	17	Barikandi	1400		
	18	Daspara	952		
	19	Janglegara	1514		
	20	Lengur	618		
	21	Maskanda	488		
		(Shahanagar)			
	22	Naodar	1753		
	23	Baghbari	202		
	24	Nizampur	629		
	25	Kurikhania	1054		
	26	Paikrati	1001		
	27	Sultanpur	548		
	28	Pachan	414		
	29	Sairtali	360		
	30	Thanura	930		
	31	Shunai	3617		
	32	Roypur	555		0.070
		Total=	24429	YZ 1 1 '	9979
Selborash (32)	1	Ahammadpur	747	Kandarbari	481
hs	2	Binnamuri	112		
)ra	3	Bagar Pachur (Part- 2)	551		
lbe	4	1	277		
Š	4 5	Bamunerbari Bhatakpur	473		
	5 6	Bir	473		
	0 7	Fulur	674		
	8	Bahirbari	320		
	<u> </u>	Bandgabi	1884		
	10	Desantar	77		
	10	Lakshimpur	102		
	12	Nijgabi	2668		
		Habibpur			
	13	(Madhabpur)	972		
	14	Kakiam	225		
	15	Khalapara	864		
	10		001	I	1

Union	Sl. No	Connected Villages	Population 2021 (Based on BBS 2011)	Disconnected Villages	Population 2021 (Based on BBS 2011)
	16	Mahammadpur	1119		
	17	Khayerdir Char	1297		
	18	Labiar Pachur (Vatapara)	1094		
	19	Maijbari	974		
	20	Matikata	2009		
	21	Barikandi	0		
	22	Mirzapur	636		
	23	Naya Para (Langpati)	58		
	24	Latifpur	46		
	25	Munsurnagar	66		
	26	Saiyadpur	1457		
	27	Palpara	299		
	28	Rangpur	227		
	29	Salap	1316		
	30	Sharisham	1444		
	31	Singpur	712		
		Total=	16703		6385
50	1	Banda	521	Amtarpur	591
Uttar Bangshikunda (29)	2	Bholagonj	360	Rajendrapur (Rupanagar)	231
iku	3	Golagaon	587	Rupanagar	1991
dsg	4	Issamari	603	Beheratali	453
ang	5	Sreepur	387	Nababpur	506
B	6	Kalaghar	2224	Matirbanda	1101
ttai	7	Saidpara	2175	Bakatala	1512
Ū	8	Jamalpur	898		
	9	Kartikpur	1957		
	10	Rampur	779		
	11	Karebari	561		
	12	Hossainpur	597		
	13	Kalipur Mahishkhola	305 449		
	14 15	Mohanpur	565		
	15	Rangpur	822		
	17	Bangalbeta	803		
	18	Gilagara	440		
	19	Kalta Para	281		
	20	Kaydakona	148		
	20	Majearsara	877		
	22	Rangsi Para	364		
	-	Total=	16702		6386
ji (Asmatpur	0	Jararkona	1540
Uttar Sukhair Rajapur (27)	2	Babupur	3381	Sahrishakanda	835
nS	23	Digjan	0	Nazorpur	
ar aja	4	Sonapur	0		
Utt Ri	5	Baghbari	0		
	6	Nayagaon	1043		
	7	Berirpar	904		
	8	Fazilpur	357		

Union	SI. No	Connected Villages	Population 2021 (Based on BBS 2011)	Disconnected Villages	Population 2021 (Based on BBS 2011)
	9	Galakpur Bazar	71		
	10	Golakpur	291		
	11	Hajipur	301		
	12	Islampur	1090		
	13	Kazirgaon	653		
	14	Sariatpur	1061		
	15	Shantipur	854		
	16	Kismat Sukhair	1493		
	10	(Sukhair)	1495		
	17	Noagaon	535		
	18	Noorpur	1740		
	19	Malipur	152		
	20	Pathariakanda	316		
	21	Pratabpur	533		
	22	Islampur	1503		
	23	Bandarbari	81		
	24	Sukhir Nij	1225		
	Sub	Total=	17584		2375



6 CONSULTATION MEETING & FIELD VISIT

6.1 UPAZILA LEVEL MEETING

The consultant arranged a meeting at upazila conference room with the support of the UE office, that was participated by UNO, UE and all the UP Chairmen & their secretaries. During the meeting, consultant team briefly discussed about the project and instructed the UP Chairmen and UE office for the database correction along with mapping procedure. The team worked on both the database and upazila map and obtained the necessary outputs subsequently.

6.2 VISIT TO CASE STUDY UNION

The consultant visited "Jolusha - Shapur Rd." (ID: 690325009) in Chamardani, the case study union and observed the alignment there. During the case study union visit, the condition of this village road is observed. GPS data has been recorded along the alignment, photos have been taken subsequently and some of it are attached here that can demonstrate the alignment condition clearly.



Figure 7: Condition of the visited road alignment at Case Study union



Figure 8: Condition of the visited road alignment at Case Study union



Figure 9: Condition of the visited road alignment at Case Study union



Figure 10: Condition of the visited road alignment at Case Study union



Figure 11: Condition of the visited road alignment at Case Study union



Figure 12: Condition of the visited road alignment at Case Study union

As a submersible village road, it serves around 3000 villagers of Julsha, Shapur, Sidlhi. The length of this road is 7.25km that is completely earthen. The condition of this road at present allows the road users to use mostly two-wheelers & electro powered auto rickshaws during dry season. In the monsoon, part of the road becomes inundated and unusable. Inhabitants use boats for crossing the flooded portion and rest of the alignment by foot mostly. There are four educational institutes and community clinic along the road.

7 DATA COLLECTION & ANALYSIS

The consultant collected data from the field on hard to reach/disconnected villages. Data were collected of those villages including population, road alignment information (*type, length, condition*), travel time, structure required on the alignment, potential riverine routes that can be used for multi-modal transport system etc. The data then analyzed, categorized and finally used to obtain a priority list along with a map (*Figure:6*) showing prioritized roads and disconnected villages. The proposed riverine & road connectivity by the UE office have been discussed in this section.

7.1 **PROPOSED RIVERINE ROUTES**

As per actual field visit and data analysis from haor development board, Dharmapasha Upazila is mostly within deep haor region. About 6 rivers have passed through the upazila. That are Kongsho river, Bali river, Sumessori river Monay river, Gumai river & Gashi river. At monsoon large area of the upazila gets inundated due to flash flood and heavy rainfall at the uphill. The water depth becomes 8-10 feet resulting the waterways as only mode of transport in the haor area. According to UE, Dharmapasha, there exists 13 riverine routes that can be used as multi-modal transport system during (April - August). Larger boats even cargo ships are readily available to transport community & commodity

The name of the riverine routes & the associated streams with types of water vehicle are as follows;

Sl. No	Name of the Riverine Route	Name of the Stream	Type of the Stream	Types of Water Vehicle	Need of excavation
1	Rosulpur – Tepirkona – Bolorampur - Aliharpur - Sararkona	Monay River	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	Yes
2	Kadirpur – Dorappur – Mollikpur – Bisara - Kahala – Nondipara – Sorifpur - Polomati - Rangamati	Sumessori River	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	Yes
3	Joysree – Durgapur - Chandpur - Doultpur	Borua Nodi	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	Yes
4	Bangshikonda – Nissintopur – Rongci - Kidirpur - Amanipur - Datiapara	Gashi River	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	Yes
5	Bongshikunda – Kakorhati – Joypur – Satur	Lunghatunga Khal	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	Yes
6	Banghshikonda - Basaura - Batta - Nowabond – Makordi - Sanuya - Kawhani	Gashi River	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	Yes

Table 3: Proposed Riverine Routes

Sl. No	Name of the Riverine Route	Name of the Stream	Type of the Stream	Types of Water Vehicle	Need of excavation
7	Razapur – Taherpur - Doylpur - Milonpur	Kuri Bill	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	Yes
8	Kandapara – Noagaon – Modopur – Razdorpur – Janiarchor - Dewla	Soitankhali Khal	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	No
9	Gulua - Doulatpur	Dharam Bill	Intermittent (April – Aug)	Trawler	No
10	Badehoripur – Horipur – Santiput – Girol -Sanbari	Sumessori River	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	Yes
11	Lankapathria – Dubrakanda – Sunajana – Mohesarbatan - Mogurchar	Monay River	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	Yes
12	Mhodipur road – Mawohari – Gulua – Razapur – muktarpur – Islampur – Sorisakanda – Dikjan – Babupur - Berirkanda - Golokpur.	Kongsho River	Intermittent (April – Aug)	Cargo (Carrying Aggregates) Small Boat, Engine Boat & Trawler	No
13	Maddhanagar – Kamaura – Tuker bazar	Gumai river	Intermittent (April – Aug)	Small Boat, Engine Boat & Trawler	No

7.2 PROPOSED ROADWAY FOR DISCONNECTED VILLAGES:

At present, roads are the most dominant mode of transportation. Most of the structures were built on the rivers to make the road communication effective. Yet, 12 (twelve) bridges are needed to fulfil the purpose. A summary of the rural roads of the upazila is given below;

Total Road Length of	Paved Length	Unpaved	Length of unpaved roads of
the Upazila (KM)	(KM)	Length (KM)	disconnected villages (KM)
483.84	220.30	263.55	137.20

Table 4: Summary of the rural roads in the upazila

7.2.1 **PROPOSED ALL WEATHER ROUTES:**

There are 9 all weather roads proposed to connect the HTRV within the upazila. The road name, ID, road condition and the length of the unpaved roads are as bellow;

Sl. No	Road Name	Road ID	Road Condition	Unpaved length (Km)
1	Modhayanagar GC- Tahirpur Upazila H/Q via Chapati, Muouzzampur Road (Dharmapasha Part).	690322012	All Weather	3
2	Badshaganj bazar UZR - Razapur Via Balijuri Road.	690324006	All Weather	6

Table 5: Proposed all weather roads in the upazila

Sl. No	Road Name	Road ID	Road Condition	Unpaved length (Km)
3	Volagonj Bazar - Ranchipara Road.	690324024	All Weather	2.4
4	Beharatola-Duganga Road.	690325018	All Weather	2.5
5	Rajnagar-Abuar char via Nolgora	690325024	All Weather	2
6	Zila Road -Syedpur kandabari Rd.	690325037	All Weather	2
7	Rupnagar Zila road - Kandabari road	690325057	All Weather	4
8	Dawangonj Mardrasha - Barikandi village road	690325059	All Weather	2.5
9	Soudpara UZR - Soudpara village road.	690325072	All Weather	2.5

7.2.2 **PROPOSED SUBMERSIBLE ROUTES:**

There are 23 submersible roads proposed to connect the HTRV within the upazila. The road name, ID, road condition and the length of the unpaved roads are as bellow;

Sl. No	Road Name	Road ID	Road Condition	Unpaved length (Km)
1	Dharmapasha gc-golokpur gc via mhodipur road	690322002	Submersible	5.15
2	Bangshikonda GC - Bishorpasha GC via Hamidpur Road (Dharmapasha Part).	690322008	Submersible	2.6
3	Banghshikonda GC - Tahirpur UZ Via Kauhani Roa	690322009	Submersible	5.02
4	Chamerdani UPC - Shararkona Ghat Road.	690323007	Submersible	6.614
5	Kandapara bazar-Dewla via Noyagoan Rd.	690323009	Submersible	2.42
6	Joysree UPC - Dhowlatpur bazar via Durgapur Road.	690323010	Submersible	4.5
7	Joysree UPC - Shanbari bazar Road.	690323011	Submersible	2.8
8	Bongshikunda Dakshin UPC - Satur bazar via Rongchi Road.	690323016	Submersible	5.09
9	Madhayanagar UPC - Toker bazar via Shahapur Road.	690323017	Submersible	7
10	Paykurati UPC - Toker bazar via Jamalpur Madrasha Road.	690323019	Submersible	3.5
11	Bonshikunda Dakshin UPC - Satur Bazar Via Kakorhati Road.	690323021	Submersible	4.2
12	Sukair Razapur Dakshin UPC - Gazaria bazar via Milonpur Road.	690323022	Submersible	6.2
13	Sukair Razapur Dakshin UPC - Dowlatpur bazar via Mokterpur Road.	690323023	Submersible	3

Table 6: Proposed submersible roads in the upazila

Sl. No	Road Name	Road ID	Road Condition	Unpaved length (Km)
14	Lankapathria-Banarasshipur via Razapur Rd.	690325002	Submersible	4.73
15	Jolusha -Shapur Rd.	690325009	Submersible	7.25
16	Kadirpur-Sarifpur Rd.	690325010	Submersible	9
17	Palamati-Birsingpara Road.	690325011	Submersible	9.32
18	Niamatpur-Jamsherpur Road.	690325014	Submersible	4
19	Pathkura-Alampur Road.	690325016	Submersible	3.5
20	Sunai-Bakhaizora Rd.	690325031	Submersible	2.5
21	Mirzapur-Rauha via Shahapur	690325039	Submersible	3.3
22	Sukhair-Nazarpur Rd.	690325040	Submersible	4
23	Mashimpur - Abidnagar road	690325076	Submersible	4.6

7.2.3 PROPOSED ROADS FOR DISCONNECTED VILLAGES HAVING NO ID:

There are no roads proposed to connect the HTRV within the upazila that have no ID yet.

7.2.4 PRIORITY FOR ROAD DEVELOPMENT

Considering resources constraint, benefited group of people, time required to travel & road hierarchy, a priority list has been developed (<u>Annexure-2</u>) for the HTRV (Hard to Reach Villages). The priority score has been determined according to following

Criteria	Weightage
Population	30
Travel Time	20
Cost per 1000 Population	25
Road Type	25
Total=	100

 Table 7: Considered weightage values for the prioritization

It has been observed that, there are a number of roads that bear same score. At these cases, the minimum budget required for providing connectivity to thousand people- will get more priority compared to more budget required roads. The roads bearing ID will have the higher priority than the roads without ID.

8 **CONCLUSION & RECOMMENDATIONS**

- Dharmapasha Upazila is a deeply flooded zone. 11 (eleven) major rivers dominate the ecosystem, transport system of the Upazila. The rivers are Kangsho, Sumeshwari, Surma, Kawnai, Boraiya, Mora, Ubdakhali Gomai, Sunoi, Bowlai, Monai & Chunai rivers. During monsoon, these rivers carry huge volume of flood water from Khasi & Jainta hills. Though the Upazila has a number of rivers, riverine transport is available only during April August. Heavy trawlers carrying stones, sand and other agricultural products are carried during monsoon. The rivers can supply irrigation water throughout the year but it does not have enough water for riverine transportation except monsoon.
- As the Upazila is heavily flooded during monsoon, rural roads and structures are highly vulnerable in this Upazila.
- The Upazila has a total number of 65 disconnected villages. To develop rural connectivity, there are proposals for all weather as well as submersible roads. This report contains a list of roads with their priority. The priority has been determined based on Population, Travel Time, Cost per KM/1000 people & Road Hierarchy.
- This Upazila is highly vulnerable to disasters. Due to climate change, the vulnerability is getting intense. The year 2022 has shown catastrophic flood that was not seen over the last 18years (*last in 2004 similar to 1998 & 1988*). Therefore, it is highly recommended to study the road alignments before going for investment.
- Case by case design of roads in this Upazila considering different aspects such as exposure to floods, erosion etc. is highly recommended. A special study regarding the road and structure design of the Upazila Dharmapasha in Sunamganj district is highly recommended.

DETAILS OF GROWTH CENTER & HATBAZAR

		gory	d?	gory	gory		i		ä	Lano	l Area (A	Acre)	ЪТ	DT
Union	Market Name	Market Category (GC=Growth Center, HB=Hat Bazar)	Market Listed? (Yes/ No)	Market Category (General/ Special/ Collection center)	Market Category (Wholesale/ Retail/both)	Hat Day	Chandina Viti (Number)	Chandina Viti (Land)	Chandina Viti (Shop)	Toha	Khas	Private	Lease/ Khas Collection BDT (2020)	Lease/ Khas Collection BDT (2019)
Dakshin Bongshikunda	Chapaiti bazar	HB	No	General Market	Wholesale	7	0	0.00	20	0.00	0.00	0.65	0	0
Dakshin Bongshikunda	Satur batan bazar	HB	No	General Market	Wholesale	7	0	0.00	50	0.00	0.00	0.25	0	0
Dakshin Sukhair	Rajapur bazar	HB	No	General Market	Wholesale	1	0	0.00	60	0.00	0.00	1.51	0	0
Dakshin Sukhair	Doulatpur Bazar	HB	No	General Market	Wholesale	7	0	0.00	15	0.00	0.00	2.17	0	0
Dakshin Sukhair	Ghulla bazar	НВ	No	General Market	Wholesale	1	0	0.00	5	0.00	0.00	0.51	0	0
Dharmapasha	Dharmapasha bazar	GC	Yes	General Market	Both	1	0	0.00	220	1.20	0.50	2.00	0	0
Dharmapasha	Kanda para bazar	HB	No	General Market	Wholesale	7	0	0.00	15	0.00	0.00	0.35	0	0
Dharmapasha	Madhupur bazar	HB	No	General Market	Wholesale	7	0	0.00	50	0.00	0.00	2.10	0	0
Dharmapasha	Nabiganj bazar	HB	No	0	0	0	0	0.00	0	0.00	0.00	0.00	0	0
Joysree	Joysree bazar	GC		General Market	Wholesale	2	87	1.46	120	0.05	2.06	1.35	226100	230000
Joysree	Shanbari bazar	НВ	Yes	General Market	Wholesale	1	43	0.58	60	0.14	0.93	0.09	127000	30000
Paikorati	Badshaganj bazar	НВ	Yes	General Market	Wholesale	1	123	1.32	150	0.25	2.21	1.02	172500	160000
Paikorati	Gastala bazar	HB	Yes	General Market	Wholesale	1	22	11.00	150	0.15	0.48	1.45	0	0

		gory	d?	ategory	ategory le/ th)		·i		·	Land	l Area (A	Acre)	T	BDT	
Union	Market Name	Market Category (GC=Growth Center, HB=Hat Bazar)	Market Listed? (Yes/ No)	Market Categ (General/ Special/ Collection center)	Market Categ (Wholesale/ Retail/both)	Hat Day	Chandina Viti (Number)	Chandina Viti (Land)	Chandina Viti (Shop)	Toha	Khas	Private	Lease/ Khas Collection BDT (2020)	Lease/ Khas Collection BI (2019)	
Paikorati	Paikarati bazar	HB	Yes	General Market	Wholesale	1	0	0.00	30	0.00	0.00	0.41	0	0	
Paikorati	Sunay bazar	HB	No	General Market	Wholesale	1	0	0.00	5	0.00	0.00	0.21	0	0	
Selborash	Mohishakanda bazar	НВ	No	Special Market	Wholesale	7	0	0.00	10	0.00	0.00	0.25	0	0	
Uttar Sukhair Rajapur	Golakpur bazar	GC	Yes	General Market	Wholesale	1	172	1.72	285	1.85	2.85	1.03	90000	75000	
Uttar Sukhair Rajapur	Babupur (buliagonj) bazar	НВ	No	General Market	Wholesale	1	0	0.00	45	0.00	0.00	0.45	0	0	
Uttar Sukhair Rajapur	Sukhair bazar	HB	No	General Market	Wholesale	1	0	0.00	35	0.00	0.00	0.81	0	0	

PRIORITY LIST FOR ROAD DEVELOPMENT

Priority Connecting Union	Connecting Village	Population 2021 (Based on BBS 2011)	Road Name	Road ID	Road Type	Road Type by Surface Condition	Total Road Length (10+11+12)	Paved length (km)	HBB Length (km)	Unpaved length (km)	HBB + Unpaved (11+12) in (km)	Approx. Cost of Road (lac)	Structure/ Gap (meter)	Cost of Structure (in Lac)	Total Cost (in lac) (Roads + Structures)	Population /KM (4÷13)	Tentative Budget/1000 Population (in lac)	Travel Time (in min)	Weightage for Population	Weightage for Travel Time	Weightage for Cost per 1000 Population	Weightage for Road Type	Total Weightage (21+22+23+24)
1 2 Dakshin	3	4	5 Bongshikunda Dakshin UPC - Satur bazar via	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1 Bongshikunda Dakshin	Rangsi	1975	Rongchi Road. Bonshikunda Dakshin UPC - Satur Bazar Via	690323016	UNR	Submersible	5.09			5.09	5.09	916.2		0	916.2	388	464	76	18	16	25	20	79
2 Bongshikunda	Kakorhati, Nissintopur	1785	Kakorhati Road.	690323021	UNR	Submersible	4.2	0	0	4.2	4.2	756	10	90	846	425	474	63	18	16	25	20	79
3 Paikurati	Balijuri, Rajapur, Hijla	3992	Badshaganj bazar UZR - Razapur Via Balijuri Road.	690324006	VRA	All Weather	6.6	0.6	0	6	6	720	130	1170	1890	665	473	90	20	16	25	15	76
4 Dakshin Sukhairrajapur	Razapur, Dowlatpur	2004	Sukair Razapur Dakshin UPC - Dowlatpur bazar via Mokterpur Road.	690323023	UNR	Submersible	4	1	0	3	3	540	10	90	630	668	314	45	20	10	25	20	75
5 Chamardani	Bishara, Darappur, Kadirpur, Kahala, Muzaffarpur, Nandipur	3751	Kadirpur-Sarifpur Rd.	690325010	VRB	Submersible	9			9	9	1620	17	153	1773	417	473	135	20	18	25	12	75
6 Dakshin Bongshikunda	Hatpatan, Kauahani	1181	Banghshikonda GC - Tahirpur UZ Via Kauhani Roa	690322009	UZR	Submersible	5.02			5.02	5.02	903.6	60	540	1443.6	235	1222	75	18	16	15	25	74
7 Bongshikunda uttar	Rupanagar, Kandabari, Bakatala	3916	Rupnagar Zila road - Kandabari road	690325057	VRB	All Weather	4	0	0	4	4	480	60	540	1020	979	260	60	20	16	25	12	73
8 Uttar Sukhair Rajapur	Jararkona, Nazorpur	2502	Sukhair-Nazarpur Rd.	690325040	VRB	Submersible	4	0	0	4	4	720	20	180	900	626	360	60	20	16	25	12	73
9 Dharmapasha	Deola	1130	Kandapara bazar-Dewla via Noyagoan Rd.	690323009	UNR	Submersible	3.22	0.8		2.42	2.42	435.6		0	435.6	467	386	36	18	10	25	20	73
10 Chamardani	Dugnai	2049	Mashimpur - Abidnagar road	690325076	VRB	Submersible	4.6	0		4.6	4.6	828	20	180	1008	445	492	69	20	16	25	12	73
11 Paikurati	Hijla, Rajapur	1982	Lankapathria-Banarasshipur via Razapur Rd.	690325002	VRB	Submersible	8	3.27	0	4.73	4.73	851.4	0	0	851.4	419	430	71	18	16	25	12	71
12 Maddanagar	Khalisha Kand, Kamawara, Karuajan, Paschim Shahapur	3026	Madhayanagar UPC - Toker bazar via Shahapur Road.	690323017	UNR	Submersible	7	0	0	7	7	1260	200	1800	3060	432	1011	105	20	16	15	20	71
13 Bongshikunda uttar	Amtarpur, Matirbanda, Nababpur, Rajendrapur (Rupanagar)	2430	Volagonj Bazar - Ranchipara Road.	690324024	VRA	All Weather	2.4	0	0	2.4	2.4	288	0	0	288	1013	119	36	20	10	25	15	70
14 Dakshin Bongshikunda	Chandal Para	875	Bangshikonda GC - Bishorpasha GC via Hamidpur Road (Dharmapasha Part).	690322008	UZR	Submersible	5.1	2.5		2.6	2.6	468		0	468	337	535	39	15	10	20	25	70
15 Paikurati	Jamalpur, Bhatgaon	1894	Paykurati UPC - Toker bazar via Jamalpur Madrasha Road.	690323019	UNR	Submersible	6.3	2.8	0	3.5	3.5	630	80	720	1350	541	713	53	18	10	20	20	68
16 Chamardani	Julsha, Shapur, Sidlhi	2906	Jolusha -Shapur Rd.	690325009	VRB	Submersible	7.25	0	0	7.25	7.25	1305	150	1350	2655	401	914	109	20	16	20	12	68
17 Maddanagar	Itauri, Kanda Para, Machhipur	1992	Modhayanagar GC- Tahirpur Upazila H/Q via Chapati, Muouzzampur Road (Dharmapasha Part).	690322012	UZR	All Weather	9	6	0	3	3	360	200	1800	2160	664	1084	45	18	10	15	25	68
18 Dharmapasha	Raznagor, Nolgora, Abuarchor	2957	Rajnagar-Abuar char via Nolgora	690325024	VRB	All Weather	2.1	0.1	0	2	2	240	20	180	420	1479	142	30	20	10	25	12	67
19 Paikurati	Dawangonj, Barikandi, Bara Khola	2625	Dawangonj Mardrasha - Barikandi village road	690325059	VRB	All Weather	2.5	0	0	2.5	2.5	300	20	180	480	1050	183	38	20	10	25	12	67
20 Dakshin Bongshikunda	Mirzapur, Buripattan, Shapur, Nawanagor, Rouha	3850	Mirzapur-Rauha via Shahapur	690325039	VRB	Submersible	4.3	1	0	3.3	3.3	594	120	1080	1674	1167	435	50	20	10	25	12	67
21 Maddanagar	Niamatpur, Jamsherpur	1475	Niamatpur-Jamsherpur Road.	690325014	VRB	Submersible	4	0	0	4	4	720	50	450	1170	369	793	60	18	16	20	12	66
22 Chamardani	Balarampur	1125	Chamerdani UPC - Shararkona Ghat Road.	690323007	UNR	Submersible	6.614	0		6.614	6.614	1190.52	100	900	2090.52	170	1858	99	18	16	12	20	66
23 Uttar Sukhair Rajapur	Sahrishakanda	835	Dharmapasha gc-golokpur gc via mhodipur road	690322002	UZR	Submersible	19.2	14.05		5.15	5.15	927	200	1800	2727	162	3265	77	15	16	10	25	66
24 Dakshin Bongshikunda	Birsing Para, Palamati	1378	Palamati-Birsingpara Road.	690325011	VRB	Submersible	9.32	0		9.32	9.32	1677.6	10	90	1767.6	148	1282	140	18	18	15	12	63
25 Selborash	Kandarbari	481	Zila Road -Syedpur kandabari Rd.	690325037	VRB	All Weather	2	0	0	2	2	240	0	0	240	241	499	30	15	10	25	12	62
26 Dakshin Bongshikunda	Patkura, Alampur	2167	Pathkura-Alampur Road.	690325016	VRB	Submersible	4.5	1	0	3.5	3.5	630	100	900	1530	619	706	53	20	10	20	12	62
27 Dakshin Sukhairrajapur	(Milanpur), Dayalpur	587	Sukair Razapur Dakshin UPC - Gazaria bazar via Milonpur Road.	690323022	UNR	Submersible	6.2		0	6.2	6.2	1116	50	450	1566	95	2669	93	15	16	10	20	61
28 Joysree	Durgapur	995	Joysree UPC - Dhowlatpur bazar via Durgapur Road.	690323010	UNR	Submersible	12.754		8.254	4.5	12.754	2295.72	50	450	2745.72	78	2761	68	15	16	10	20	61
29 Bongshikunda uttar	Bohratoli, Ahagundor	1398	Beharatola-Duganga Road.	690325018	VRB	All Weather	2.5	0	0	2.5	2.5	300	60	540	840	559	601	38	18	10	20	12	60
30 Paikurati	Bekhaijura	1468	Sunai-Bakhaizora Rd.	690325031	VRB	Submersible	2.5	0	0	2.5	2.5	450	100	900	1350	587	920	38	18	10	20	12	60
31 Bongshikunda uttar	Soudpara	779	Soudpara UZR - Soudpara village road.	690325072	VRB	All Weather	2.5	0	0	2.5	2.5	300	30	270	570	312	732	38	15	10	20	12	57
32 Joysree	Ghirail	611	Joysree UPC - Shanbari bazar Road.	690323011	UNR	Submersible	11.054		8.254	2.8	11.054	1989.72		0	1989.72	55	3258	42	15	10	10	20	55