



Government of the people's Republic of Bangladesh  
Ministry of Housing and Public Works  
Urban Development Directorate  
82 Segunbagicha, Dhaka-1000

PREPARATION OF DEVELOPMENT PLAN FOR MEHERPUR ZILLA

## REPORT ON ASSIGNMENT-5

Prepare the existing road network database according to the RHD  
and LGED

March 2025

Syeda Sadia Afrin  
Junior GIS Consultant

### The Existing Road Network of Meherpur District:

Meherpur District, located in the southwestern part of Bangladesh, covers an area of approximately 716 square kilometers. The road network in this district is maintained by two authorities: The Local Government Engineering Department (LGED) and the Roads and Highways Department (RHD).

According to LGED, the total road length in Meherpur District is categorized as follows: Upazila roads cover 185.34 kilometers, union roads extend for 212.81 kilometers, and rural roads measure 527.69 kilometers and 683.23 kilometers. This brings the total road length under LGED to approximately 1,609.07 kilometers.

On the other hand, RHD maintains national highways covering 66.57 kilometers, regional highways spanning 92.32 kilometers, and district roads extending 158.89 kilometers. The total road length under RHD's jurisdiction in Meherpur is about 317.78 kilometers.

Combining both LGED and RHD networks, the total road length in Meherpur District is approximately 1,926.85 kilometers.

	Road Type	Length (km)
<b>LGED</b>	Upazila Roads	185.34
	Union Roads	212.81
	Rural Roads	527.69
	Rural Roads	683.23
<b>Total (LGED)</b>		<b>1,609.07</b>
<b>RHD</b>	National Highways	66.57
	Regional Highways	92.32
	District Roads	158.89
<b>Total (RHD)</b>		<b>317.78</b>
<b>Grand Total</b>	<b>(LGED + RHD)</b>	<b>1,926.85</b>

Source: LGED and RHD database, Meherpur, Prepared by Consultant, 2025

### Existing Road Network of Meherpur District:

Meherpur District has well-developed road network managed by the Roads and Highways Department (RHD) and the Local Government Engineering Department (LGED). The major highways under RHD include the **R745: Kushtia–Meherpur–Chuadanga–Jhenaidah Regional Highway**, which spans approximately 116.81 kilometers and serves as a key transportation link between Kushtia, Meherpur, Chuadanga, and Jhenaidah. Another important highway is the **R746: Meherpur–Mujibnagar (BRD Camp) Road**, covering 15.64 kilometers, which connects Meherpur town to Mujibnagar, a historically significant area.

LGED is responsible for maintaining local and rural roads, which play a vital role in improving accessibility within the district. The total road network under LGED includes **185.34 kilometers of Upazila roads, 212.81 kilometers of Union roads, and 1,210.92 kilometers of village roads** (527.69 km classified as VA and 683.23 km as VB). These roads connect villages, unions, and upazilas, ensuring smooth transportation of agricultural products and essential goods.

## Existing Road Network Map of Meherpur District

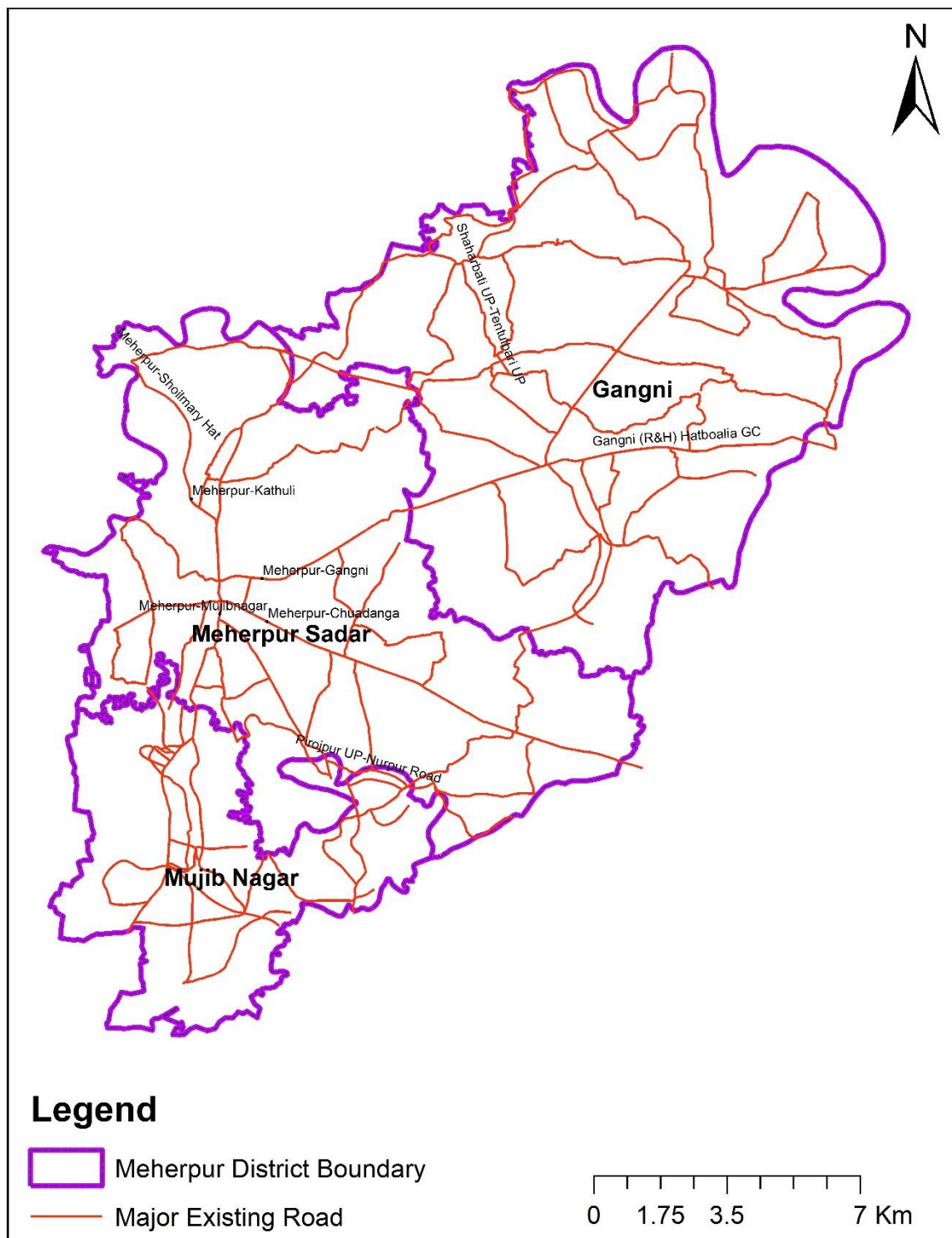


Figure 1: Existing Road Network of Meherpur District  
Consultant, 2025

Source: Prepared by

### **Existing road Network of Meherpur Sadar Upazila:**

Meherpur Sadar Upazila, covering approximately 261.42 square kilometers, has a well-developed road network managed primarily by the Local Government Engineering Department (LGED) and the Roads and Highways Department (RHD). The upazila's road system consists of different categories, including **Upazila roads, Union roads, and Village roads**, ensuring connectivity between rural areas, administrative centers, and marketplaces. These roads facilitate the movement of people and goods, playing a vital role in local economic growth.

Among the major highways passing through Meherpur Sadar Upazila is the **R745: Kushtia–Meherpur–Chuadanga–Jhenaidah Highway**, which connects Meherpur to important trade and administrative hubs in the region. Additionally, the **R746: Meherpur–Mujibnagar (BRD Camp) Road** spans approximately **15.64 kilometers**, linking Meherpur town to Mujibnagar, a site of historical significance. This highway includes **one bridge and five culverts**, with varying carriageway widths to accommodate different traffic conditions.

## Existing Road Network Map of Meherpur Sadar Upazila

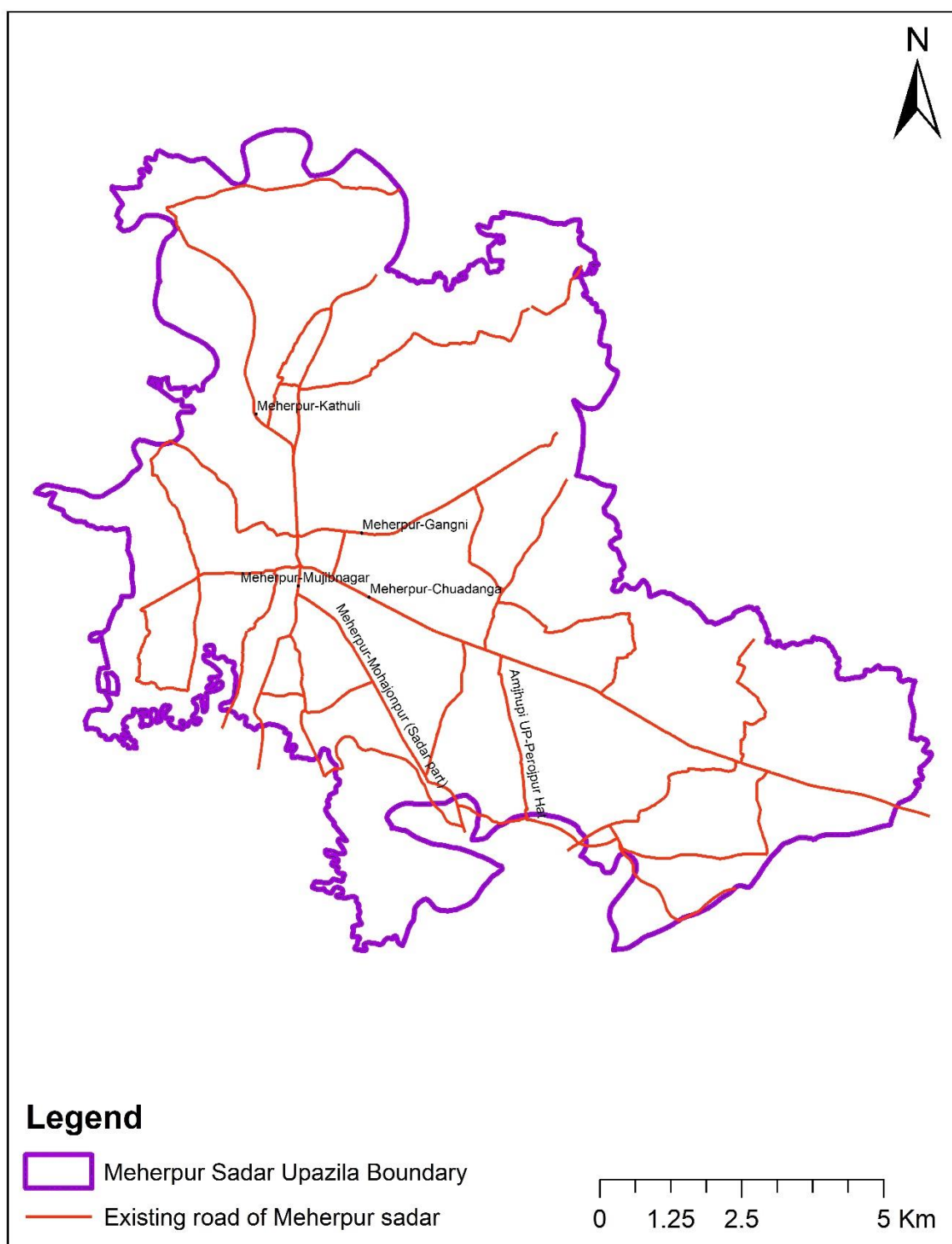


Figure 2: Existing Road Network of Meherpur Sadar Upazila

Source: Prepared by Consultant, 2025

### Existing Road Network of Meherpur Paurashva:

This diverse road infrastructure facilitates efficient movement and connectivity within Meherpur Paurashava, catering to both urban and rural transportation requirements. The municipality is divided into nine wards, each encompassing specific areas and neighborhoods. For instance, Ward No. 1 includes regions such as Ghosh Para, Mission Para, Upazila Parishad, Court Para, and Natun Para. Similarly, Ward No. 2 covers areas like Thana Para, Malo Para, Mukharji Para (South Side), Bosh Para (North Side), Shahaji Para, Boro Bazar Para, Govt. Girls School Para, Halder Para, and Methor Para. This ward-based division ensures organized administrative management and targeted development within the Paurashava. Meherpur Paurashava, encompassing an area of 15.09 square kilometers, maintains a road network totaling approximately 108.15 kilometers. This network comprises various road types, each serving distinct transportation needs within the municipality. Below is a detailed breakdown of the road types and their respective lengths:

Road Type	Length (km)
Bituminous Carpeting (BC)	44.45
Herring-Bone-Bond (HBB)	14.91
Macadam	10.22
Reinforced Cement Concrete (RCC)	20.90
Earthen	17.67
<b>Total</b>	<b>108.15</b>

Source: Prepared by Consultant, 2025

## Existing Road Network Map of Meherpur Paurashava

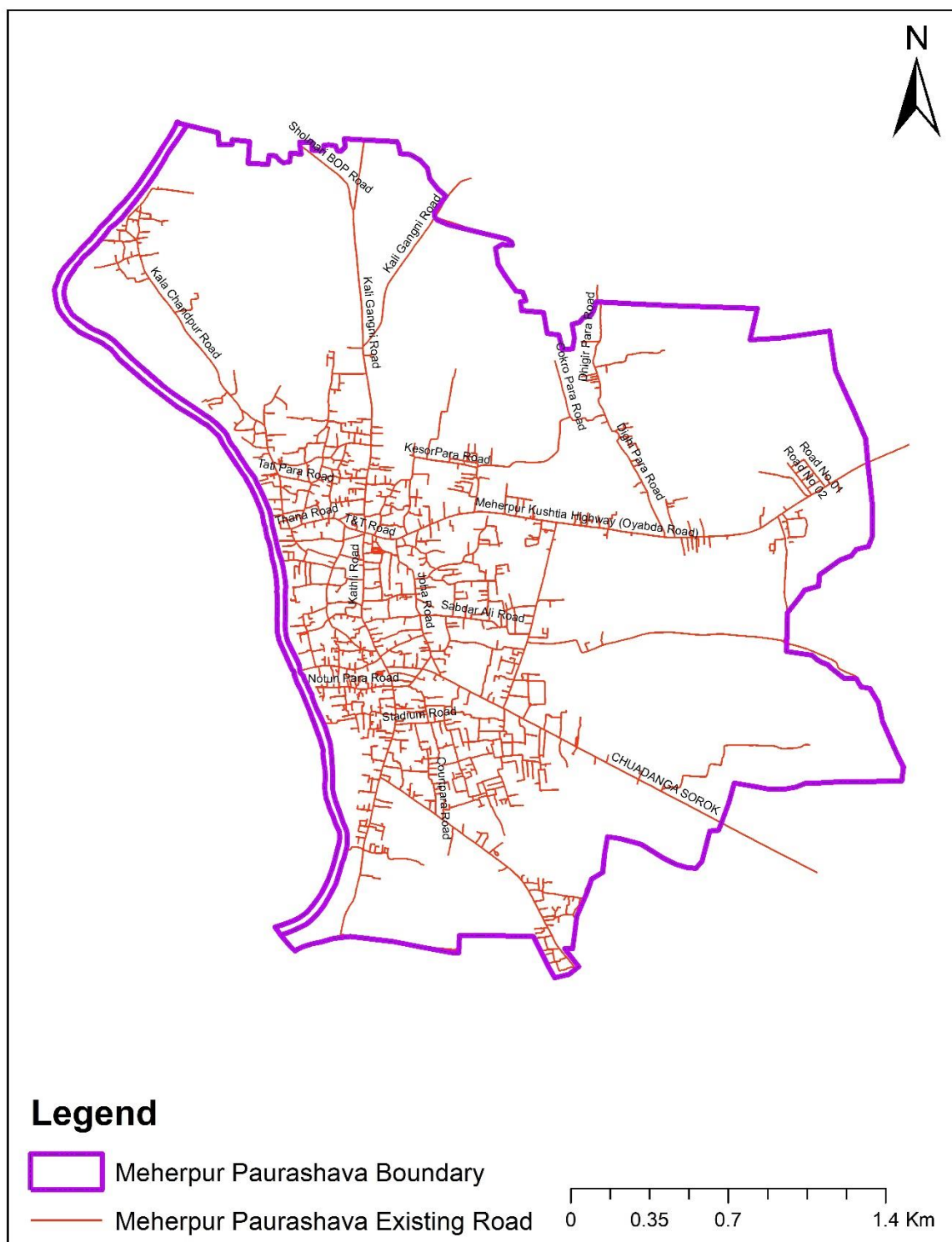


Figure 3: Meherpur Paurashava Existing Road Network  
consultant, 2025

Source: Prepared by

**Gangni upazila existing road network:** Gangni Upazila, located in Meherpur District, Bangladesh, covers an area of approximately 363 square kilometers and includes ten unions. The road network in Gangni Upazila is managed primarily by the Local Government Engineering Department (LGED) and consists of various road types that serve different purposes, such as **Upazila roads**, **Union roads**, and **Village roads (Type A and B)**. These roads connect rural areas to urban centers, ensuring the smooth movement of people, goods, and services. This road system is divided into two main categories: **Earthen Roads** and **Paved Roads**.

- **Total Earthen Roads:** Approximately **203.40 kilometers**, which are unpaved roads primarily found in rural areas and require maintenance, especially during rainy seasons.
- **Total Paved Roads:** Approximately **534.20 kilometers**, which include roads constructed with durable materials like bitumen, concrete, or macadam, providing better connectivity and supporting higher traffic volumes.

Road Type	Length (Kilometers)
<b>Total Road Network</b>	746.21 km
<b>Earthen Roads</b>	203.40 km
<b>Paved Roads</b>	534.20 km

Source: Prepared by Consultant,2025



## Existing Road Network Map of Gangni Upazila

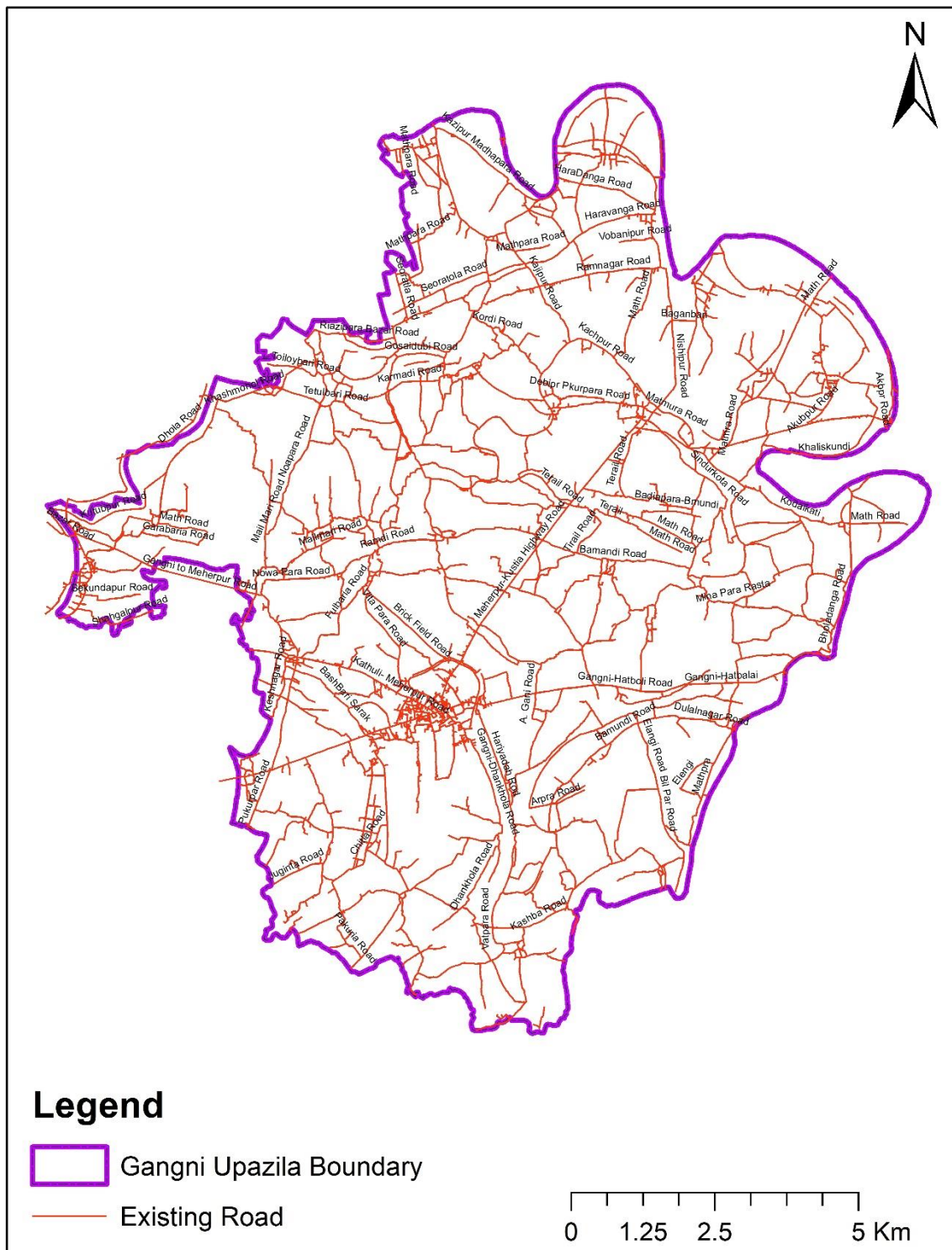


Figure 4:Gangni upazila Existing Road network

Source: Prepared by Consultant,2025

**Gangni Paurashava existing road network:**

The road network of Gangni Paurashava was developed and established according to the growing demand, following the development pattern and meeting short term need. Thus, most of the cases road network is established after the development of infrastructure resulting poor layout of road network, narrow road, pedestrian problem, utility services problem, emergency services problem etc. Intra-zonal movement is mostly carried out through bicycle, rickshaw, rickshaw-van, motorcycle, Auto Rickshaws. Meherpur road and Kushtia road is the main road network for communication with other districts. Other major roads are Kathuli Road, Bashbaria Road, Thana Road, Bazar Road Two major road intersections within Gangni Paurashava area are: • Bus Stand Intersection • Thana Mour Intersection. Roads in Gangni Paurashava they total length of roads in the Paurashava area is 88.76 km. There are katcha, semi-pucca and pucca roads within the Paurashava area.

Road Type	Length (Kilometers)	Percentage of Total
<b>Pucca Roads (Paved)</b>	24.81 km	27.95%
<b>Semi-Pucca Roads</b>	36.52 km	41.14%
<b>Katcha Roads (Earthen)</b>	27.43 km	30.90%

Source: Gangni Paurashava Master plan, LGED

## Existing Road Network Map of Gangni Paurashava

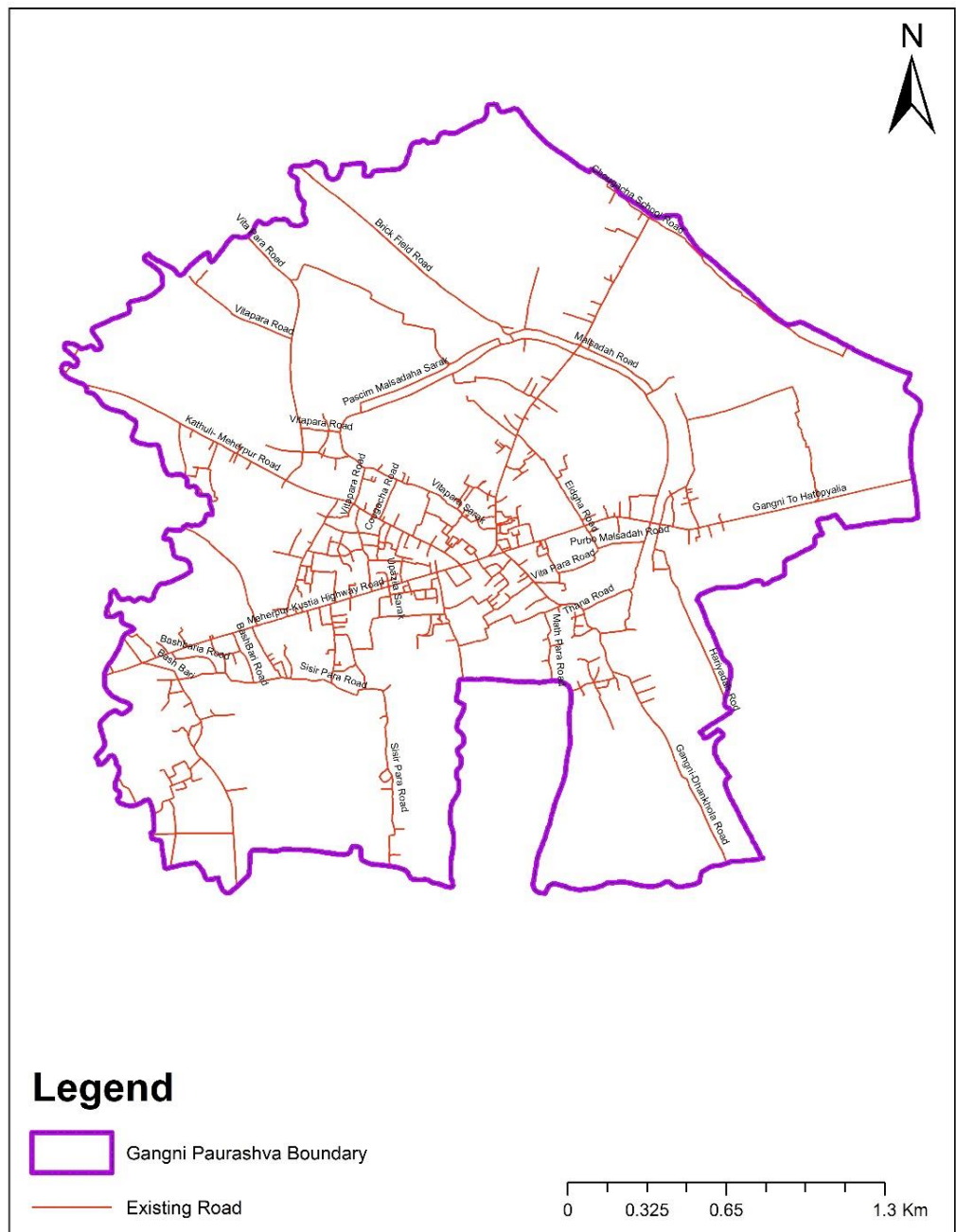


Figure 5: Existing Road network of Gangni Paurashava

Source: Prepared by Consultant, 2025

### Mujibnagar Upazila existing road network:

Mujibnagar Upazila, located in Meherpur District, Bangladesh, has a well-developed road network that plays a crucial role in connecting its urban and rural areas. The road infrastructure is managed by the Local Government Engineering Department (LGED) and the Roads and Highways Department (RHD). The network includes a variety of road types, such as **Upazila roads**, which extend approximately **185.34 kilometers**, **Union roads** totaling **212.81 kilometers**, and **Village roads (Type A and B)**, which cover **527.69 kilometers** and **683.23 kilometers**, respectively. These roads are made using materials like bituminous carpeting, brick pavement, and reinforced cement concrete to accommodate various traffic volumes.

Mujibnagar is served by several key highways, including the **R745** (Kushtia–Meherpur–Chuadanga–Jhenaidah Highway), which spans about **116.81 kilometers**, and the **R746** (Meherpur–Mujibnagar Road), covering **15.64 kilometers**, providing essential links to neighboring regions. Additionally, the **R749** (Darsana–Mujibnagar Road) connects **Darsana** to Mujibnagar, enhancing access to the upazila.

Road Type	Length (Kilometers)
<b>Upazila Roads</b>	185.34 km
<b>Union Roads</b>	212.81 km
<b>Village Roads (Type A)</b>	527.69 km
<b>Village Roads (Type B)</b>	683.23 km
<b>R746 (Meherpur–Mujibnagar Road)</b>	15.64 km
<b>R749 (Darsana–Mujibnagar Road)</b>	28.445 km

Source: Prepared by Consultant

## Existing Road Network Map of Mujibnagar Upazila

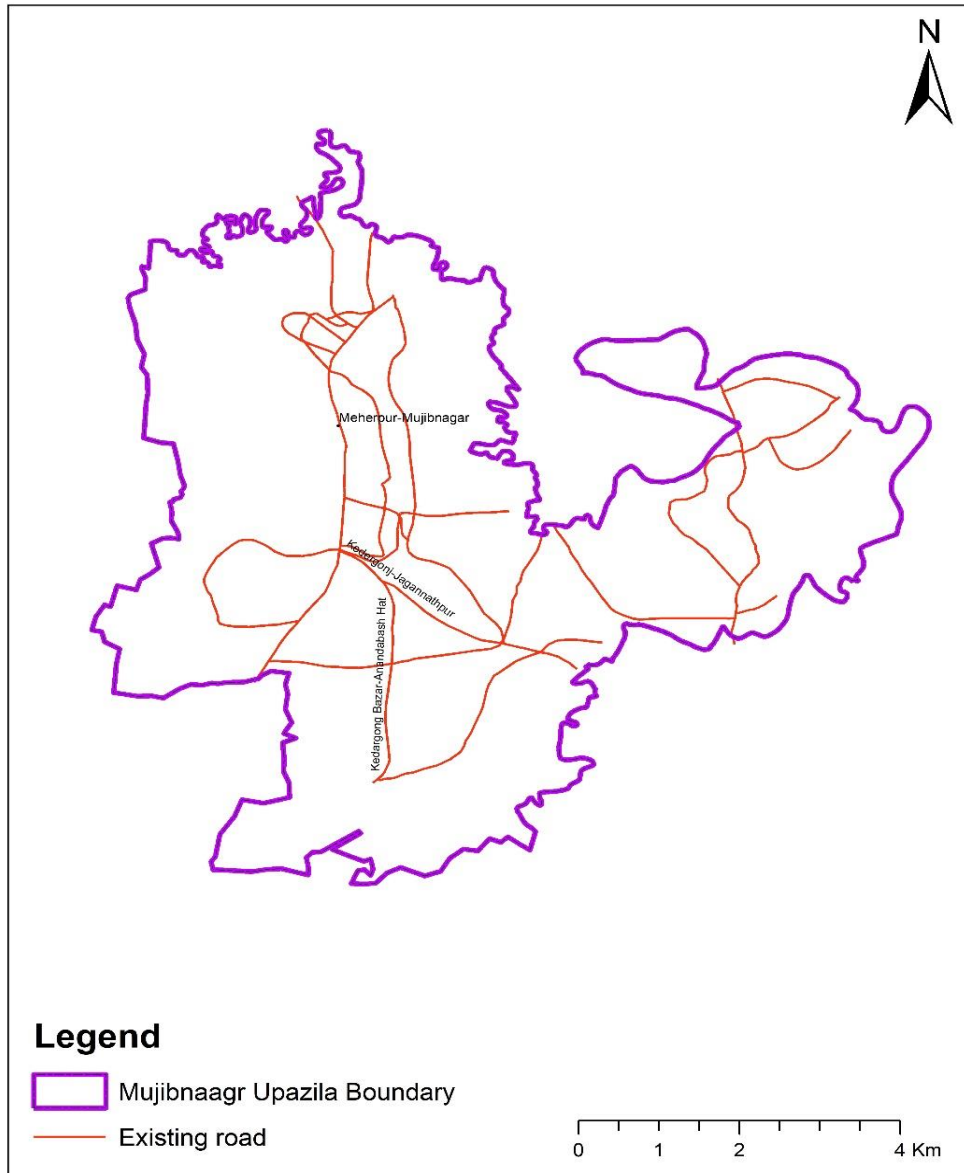


Figure 6:Existing Road network of Mujibnagar Upazila  
consultant,2025

Source: Prepared by