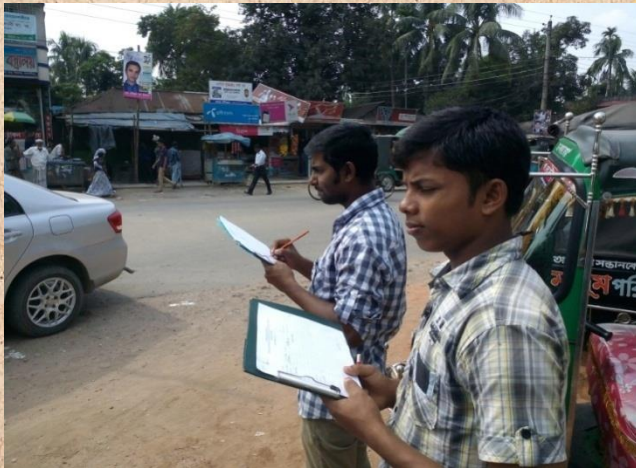


**Urban Development Directorate (UDD)**  
**Preparation of Development Plan for Fourteen Upazilas**  
**Package 02**  
**(SHIBPUR & RAIPURA UPAZILA, NARSINGDI**  
**ISHWARGANJ UPAZILA, MYMENSINGH )**

**Traffic and Transportation**  
**Survey-Ishwarganj Upazila**





# BACKGROUND

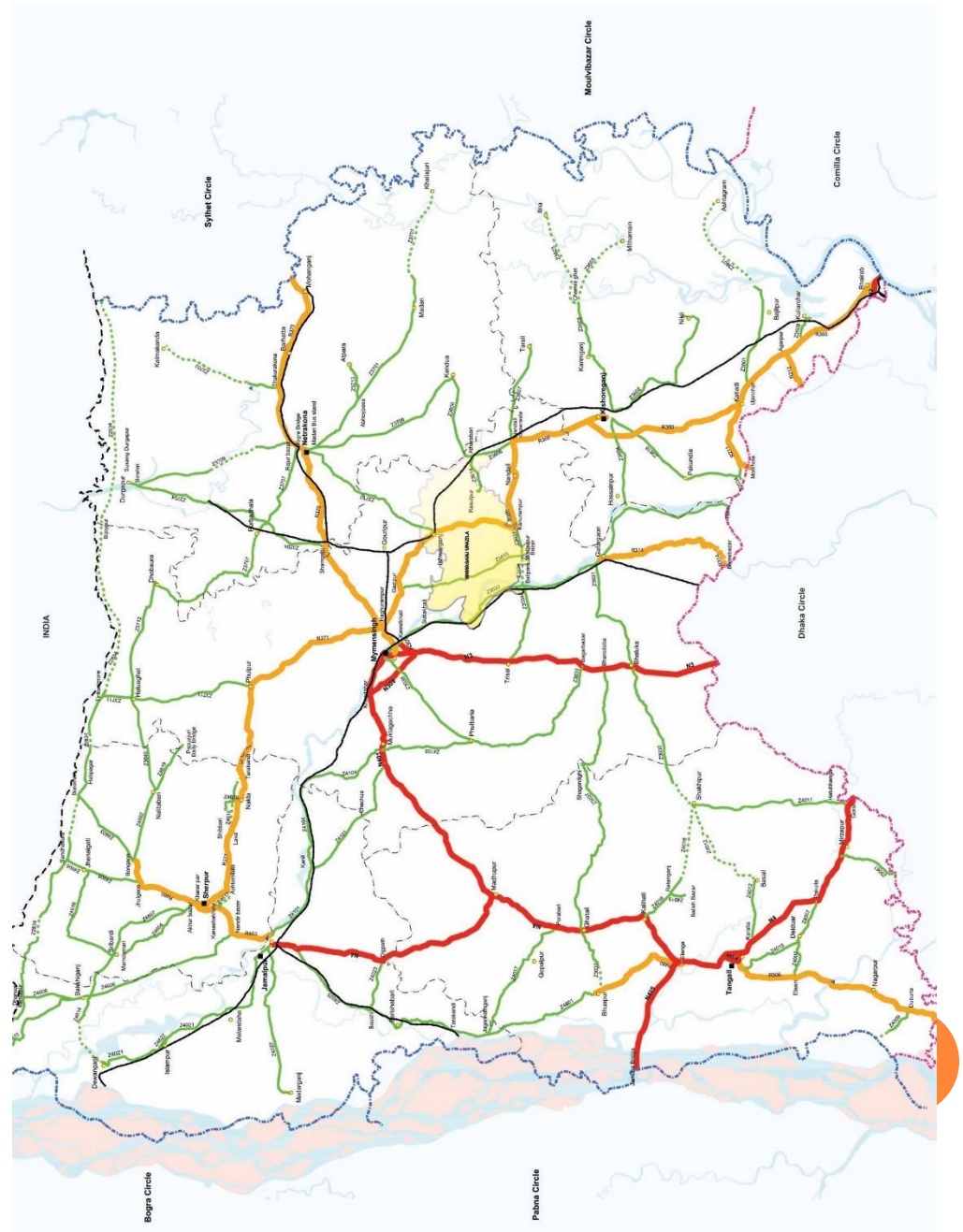
- Plan for Traffic and Transportation is very important issue for any Upazila Development Plan.
- To know the existing traffic and transportation situation of a Upazila, a detailed traffic and transportation survey has conducted.
- Traffic and transportation survey has conducted as per requirement of TOR.

# MAJOR SURVEYS

- Traffic Volume Count Survey
- Origin & Destination (O-D) Survey
- Bus Passenger Interview Survey and
- Regional Transportation Survey

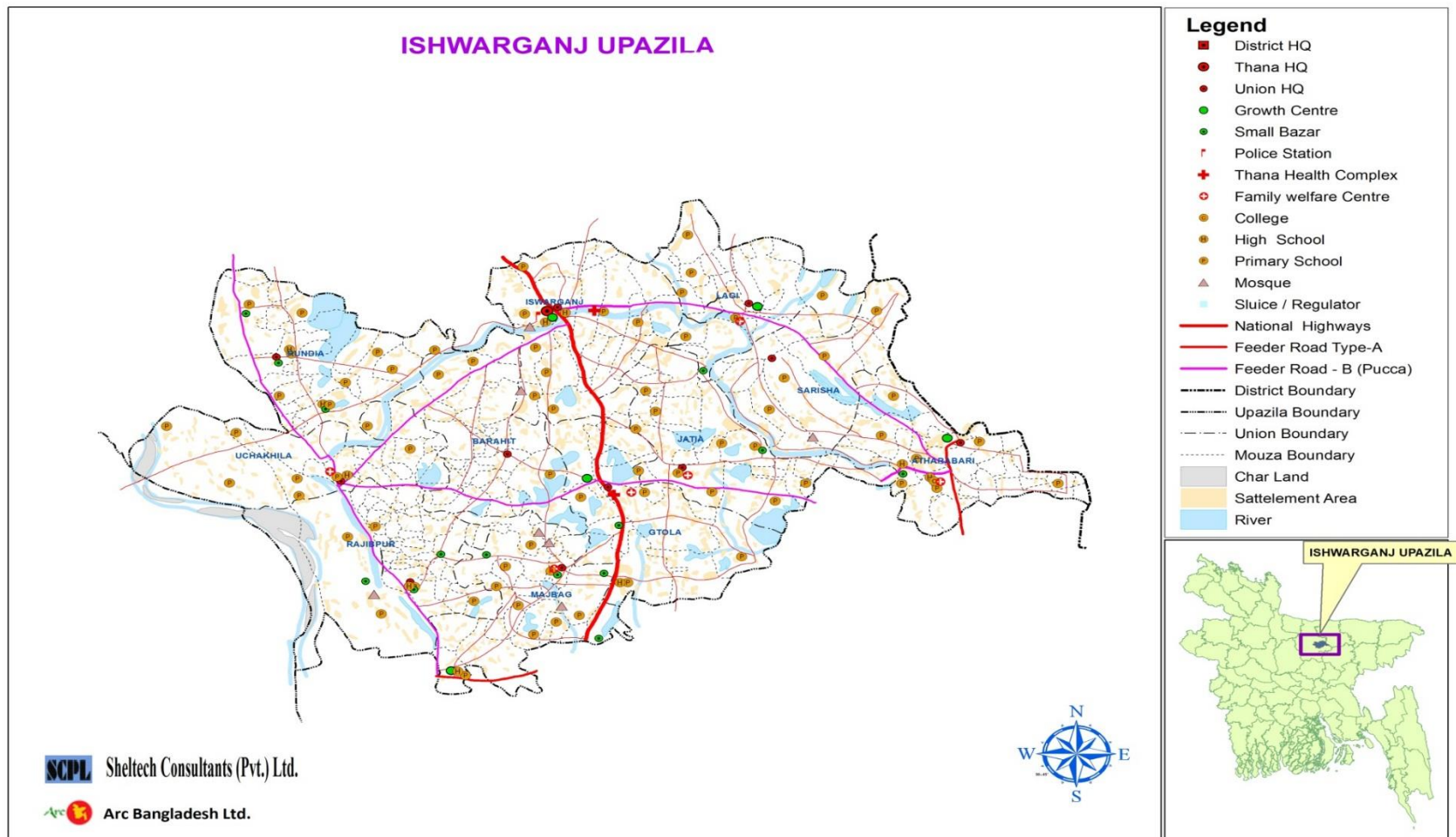
# REGIONAL CONNECTIVITY OF ISHWARGANJ UPAZILA

It is well connected  
by National and  
Regional Highway  
originating from  
different  
Districts/Upazilas  
like Kishoreganj,  
Mymensingh,  
Netrokona etc



# EXISTING ROAD NETWORK (ISHWARGANJ)

- Total Road is 484.08 km.
- 18.97 km railway line and three railway station in this upazila



# EXISTING ROAD NETWORK (ISHWARGANJ)

## Existing Road Infrastructure

Road Type	Earthen Road (km)	Pavement Road (km)	Total Length (km)
Upazila Road	8.49	76.17	84.67
Union Road	58.91	81.47	143.78
Village Road-A	77.54	21.42	98.96
Village Road-B	147.98	6.69	156.67

Source: LGED, 2016

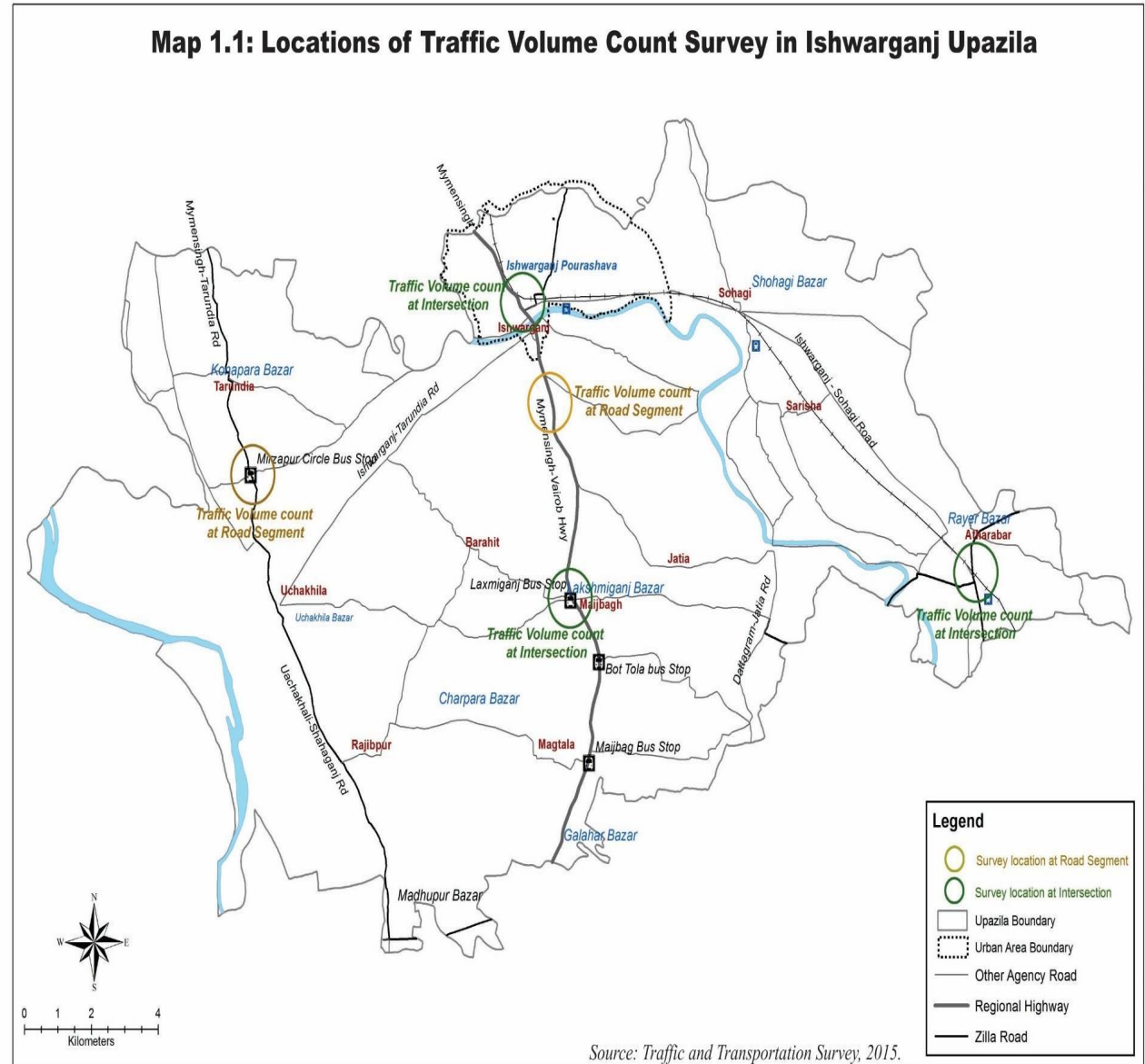
## Major Roads

Road ID	Name of the Road	Length of Road (km)
<b>R360</b>	Mymensingh (Raghurampur)-Kishoreganj (Battali)-Bhairab (Bazar) Road	116
<b>Z3710</b>	Netrokona-Bishiura-Ishwarganj Road	27
<b>Z3614</b>	Atharabari-Rasulpur Road	6
<b>Z3608</b>	Nandail-Atharabari-Kendua Road	21

Source: RHD, 2016.

# MAJOR TRAFFIC CONGESTION AREAS OF ISHWARGANJ UPAZILA

- 1)Muktijoddha  
Moor
- 2) Athara Bari  
Link road



# **CAUSES OF CONGESTION**

**Lack of Footpath**

**Lack of Shoulder**

**Surface Condition**

**Insufficient Road width**

**Parking & Stoppage in the  
Road Side**

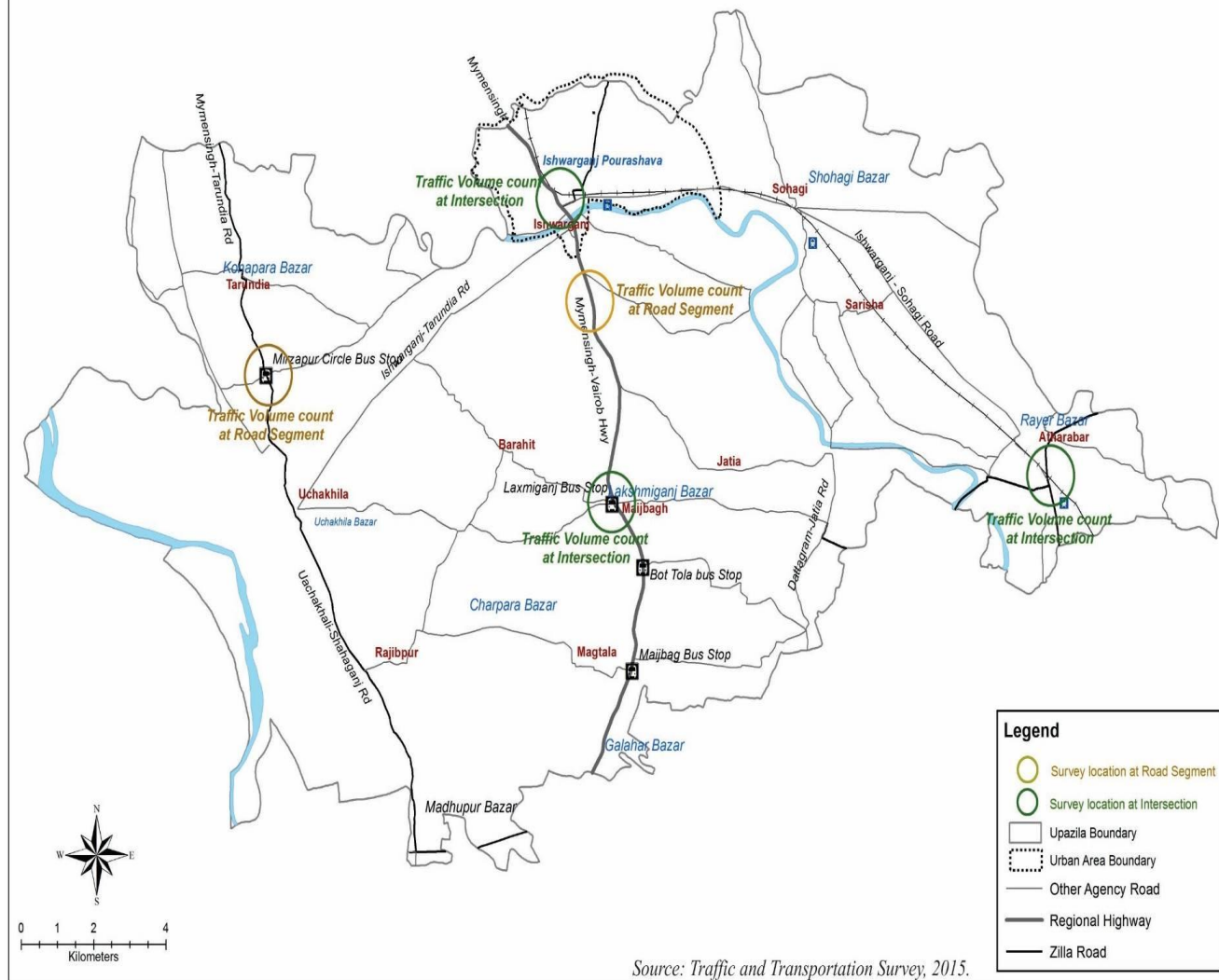




# TRAFFIC COUNT SURVEY FINDINGS

# Traffic Volume Count Survey Point of Ishwarganj Upazila

**Map 1.1: Locations of Traffic Volume Count Survey in Ishwarganj Upazila**

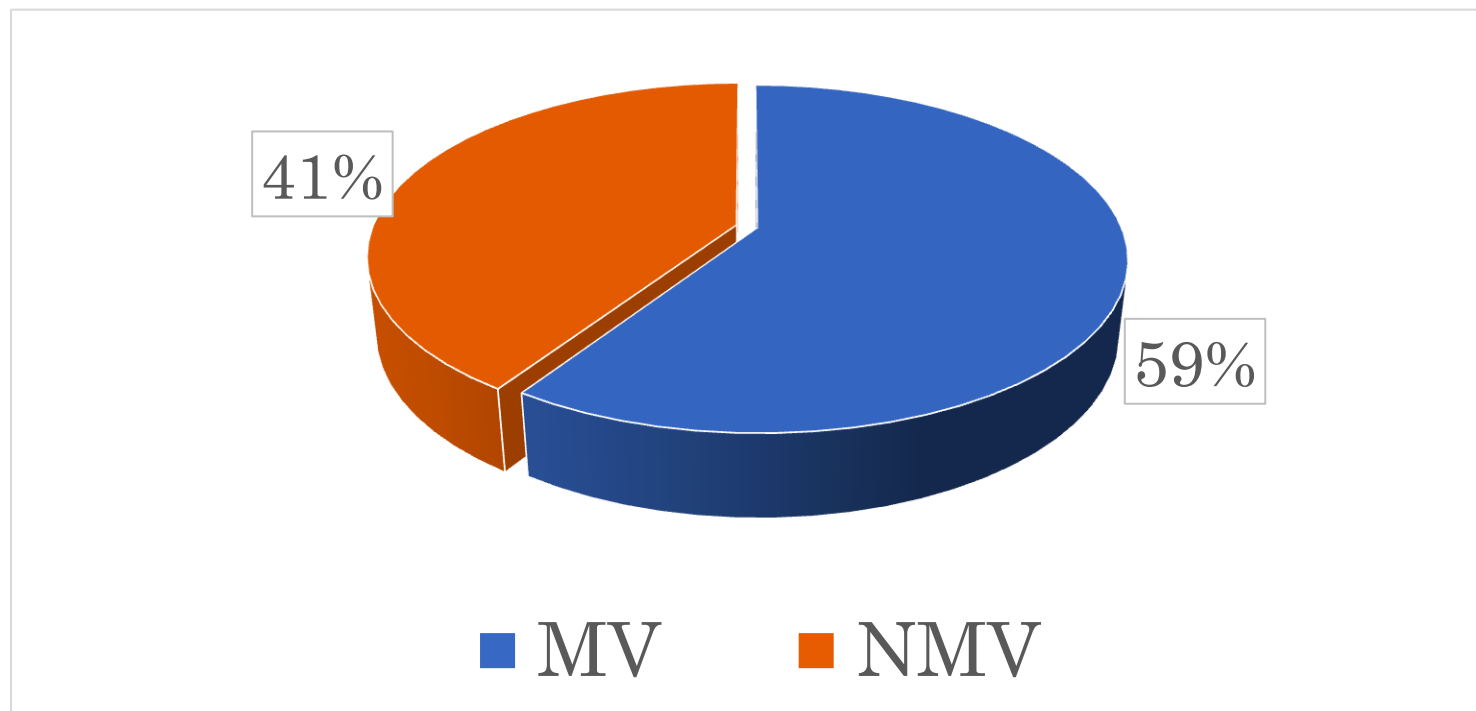


## PCE PASSING THROUGH DIFFERENT INTERSECTION (ISHWARGANJ)

Intersection Name	Link Name	Average PCE/Hour		Average Vehicle/Hour	
		Hat Day	Non Hat Day	Hat Day	Non Hat Day
Atharabari Moor	Atharabari Moor -Kishoreganj	375.00	294.88	359	318
	Atharabari Moor-Rayer Bazar	152.00	141.50	160	158
	Atharabari Moor-Netrokona	398.50	317.63	391	354
Muktijoddha Moor	Muktijoddha Moor-Mymensingh	939.00	908.92	820	780
	Muktijoddha Moor-Kishoreganj	1005.92	970.67	864	824
	Muktijoddha Moor-Atharabari	381.92	428.58	363	397
Lakshiganj Bazar	Lakshiganj Bazar-Uchakhila	115.50	106.75	135	119
	Lakshiganj Bazar-Jatia	172.63	142.63	176	146
	Lakshiganj Bazar-Kishoreganj	467.88	428.00	459	440
	Lakshiganj Bazar-Ishwarganj	462.75	412.88	444	417

## TRAFFIC COUNT SURVEY FINDINGS (ISHWARGANJ UPAZILA)

All vehicle passes through the different link of the intersection above 59% are motorized vehicle and up-to 41% are non-motorized vehicle.



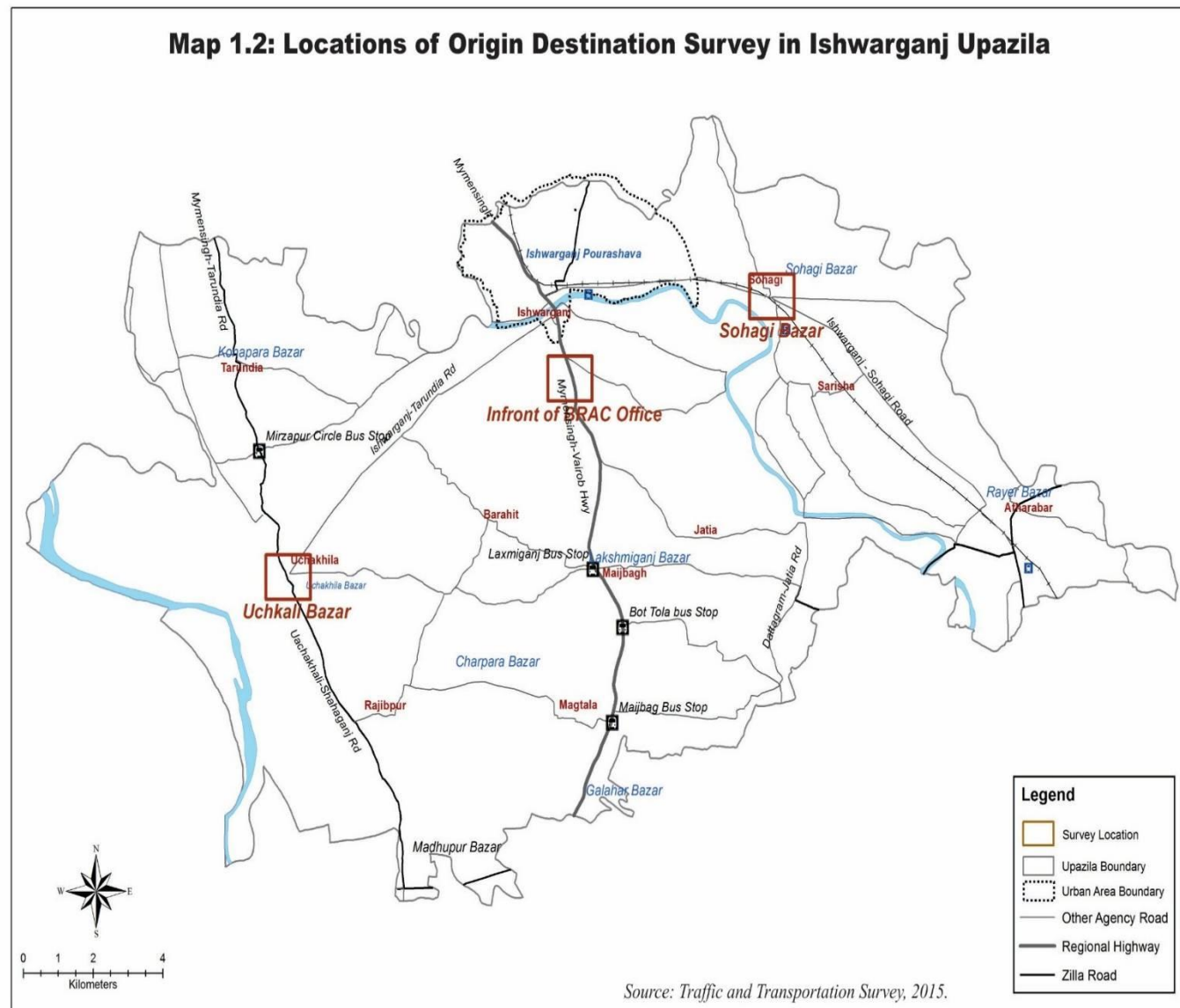


# PEDESTRIAN SURVEY (ISHWARGANJ)

Intersection Name	Day	Link Name	Average Pedestrian/ Hour
<b>Atharabari Moor</b>	Hat Day	Atharabari Moor-Kishoreganj	82.50
		Atharabari Moor-Rayer Bazar	87.50
		Atharabari Moor-Netrokona	50.00
	Non Hat Day	Atharabari Moor-Kishoreganj	32.50
		Atharabari Moor-Rayer Bazar	44.50
		Atharabari Moor-Netrokona	42.50
<b>Muktijoddha Moor</b>	Hat Day	Muktijoddha Moor-Mymensingh	105.33
		Muktijoddha Moor-Kishoreganj	75.00
		Muktijoddha Moor-Atharabari	142.33
	Non Hat Day	Muktijoddha Moor-Mymensingh	107.33
		Muktijoddha Moor-Kishoreganj	94.67
		Muktijoddha Moor-Atharabari	136.00
<b>Lakshiganj Bazar</b>	Hat Day	Lakshiganj Bazar-Uchakhila	30.00
		Lakshiganj Bazar-Jatia	30.00
		Lakshiganj Bazar-Kishoreganj	45.00
		Lakshiganj Bazar-Ishwarganj	21.50
	Non Hat Day	Lakshiganj Bazar-Uchakhila	26.50
		Lakshiganj Bazar-Jatia	18.50
		Lakshiganj Bazar-Kishoreganj	40.50
		Lakshiganj Bazar-Ishwarganj	34.00

# O-D SURVEY FINDINGS

# Origin & Destination (O-D) Survey Point of Ishwarganj Upazila



# O-D SURVEY FINDINGS (ISHWARGANJ UPAZILA)

Origin \ Destination	Atharobari	Ishwarganj	Jatiya	Rajibpur	Shohagi	Uchakhila	Maizbagh	Total
Atharobari	0	2	0	0	0	0	0	2
Ishwarganj	3	0	1	1	3	1	0	9
Jatiya	0	0	0	0	0	1	1	2
Rajibpur	0	0	0	0	0	0	0	0
Shohagi	0	0	0	0	0	0	0	0
Uchakhila	1	0	0	5	0	0	0	6
Maizbagh	0	1	0	0	0	0	0	1
Total	4	3	1	6	3	2	1	20

O-D Matrix within unions

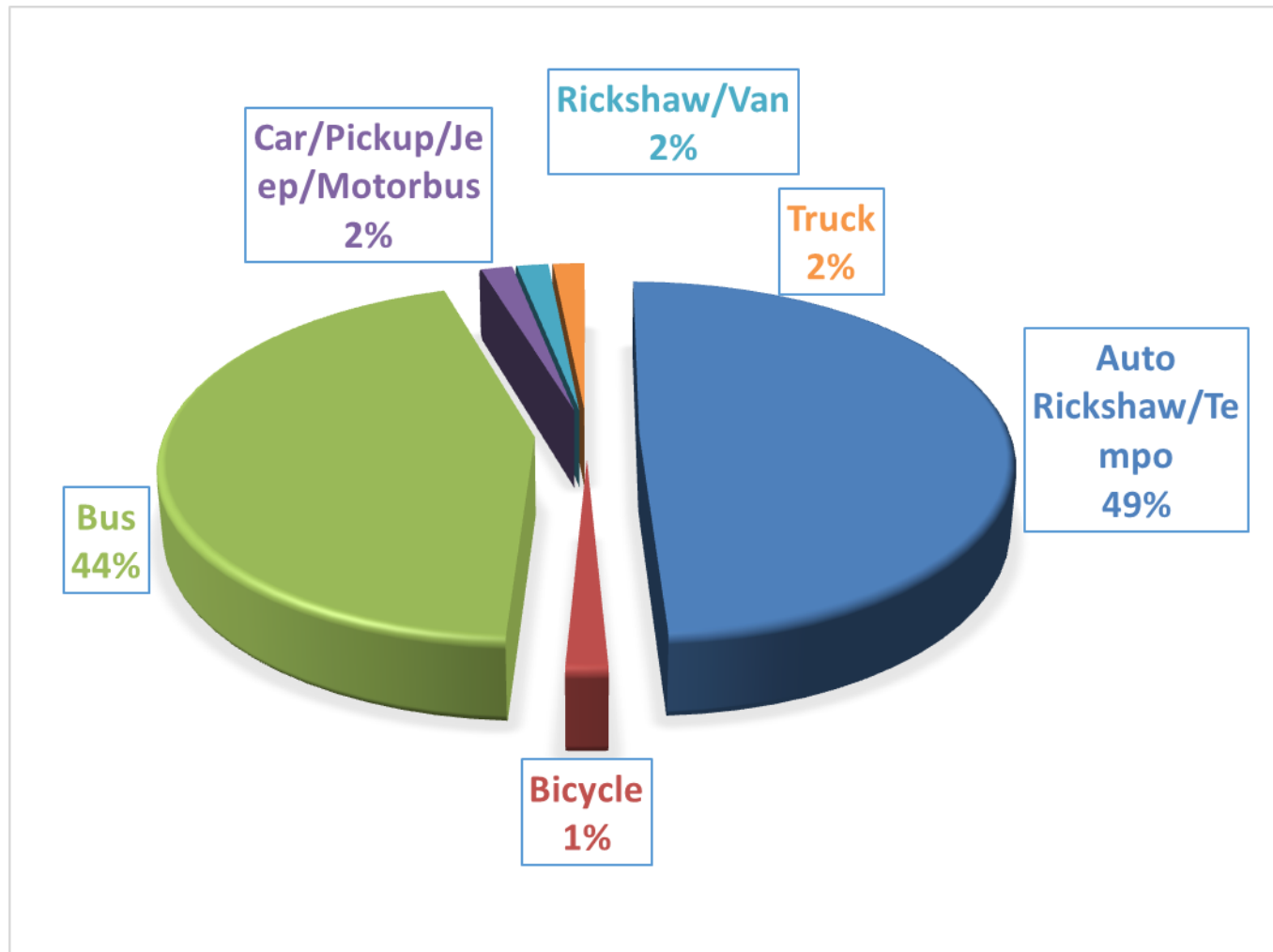


# O-D SURVEY FINDINGS (ISHWARGANJ UPAZILA)

Origin \ Destination	Bhairab	Dhaka	Kishoreganj	Mymensingh	Nandail	Netrokona	Tangail	Norsingdhi	Total
Bhairab	0	0	0	0	0	0	0	0	0
Dhaka	0	0	1	0	0	0	0	0	1
Kishoreganj	0	0	0	2	0	0	0	0	2
Mymensingh	1	0	3	0	0	0	0	0	4
Nandail	0	0	1	4	0	0	0	0	5
Netrokona	4	0	0	1	0	0	0	1	6
Tangail	0	0	1	0	0	0	0	0	1
Norsingdhi	0	0	0	0	0	0	0	0	0
Total	5	0	6	7	0	0	0	1	19

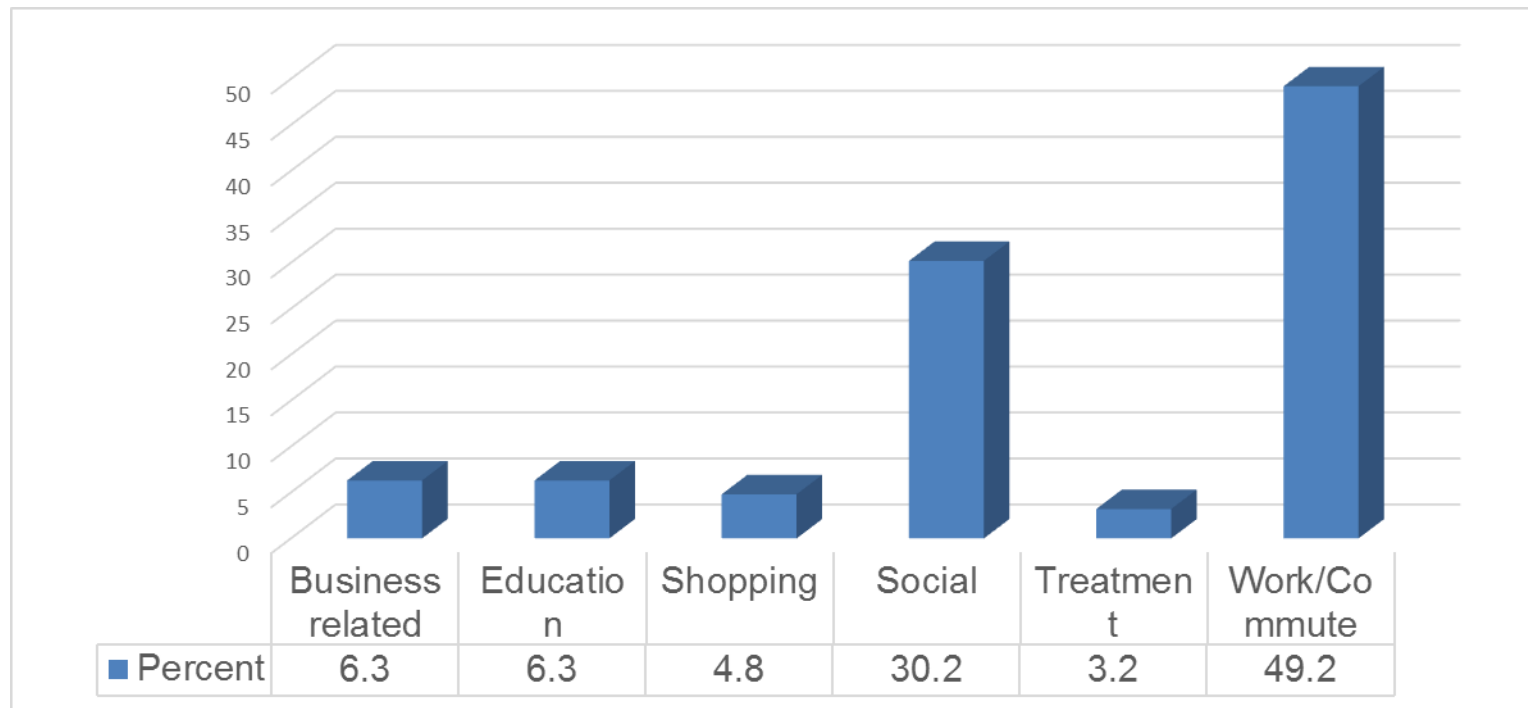
O-D Matrix surroundings Upazila/District

# O-D SURVEY FINDINGS (ISHWARGANJ UPAZILA)



Choice of Modes

# O-D SURVEY FINDINGS (ISHWARGANJ UPAZILA)



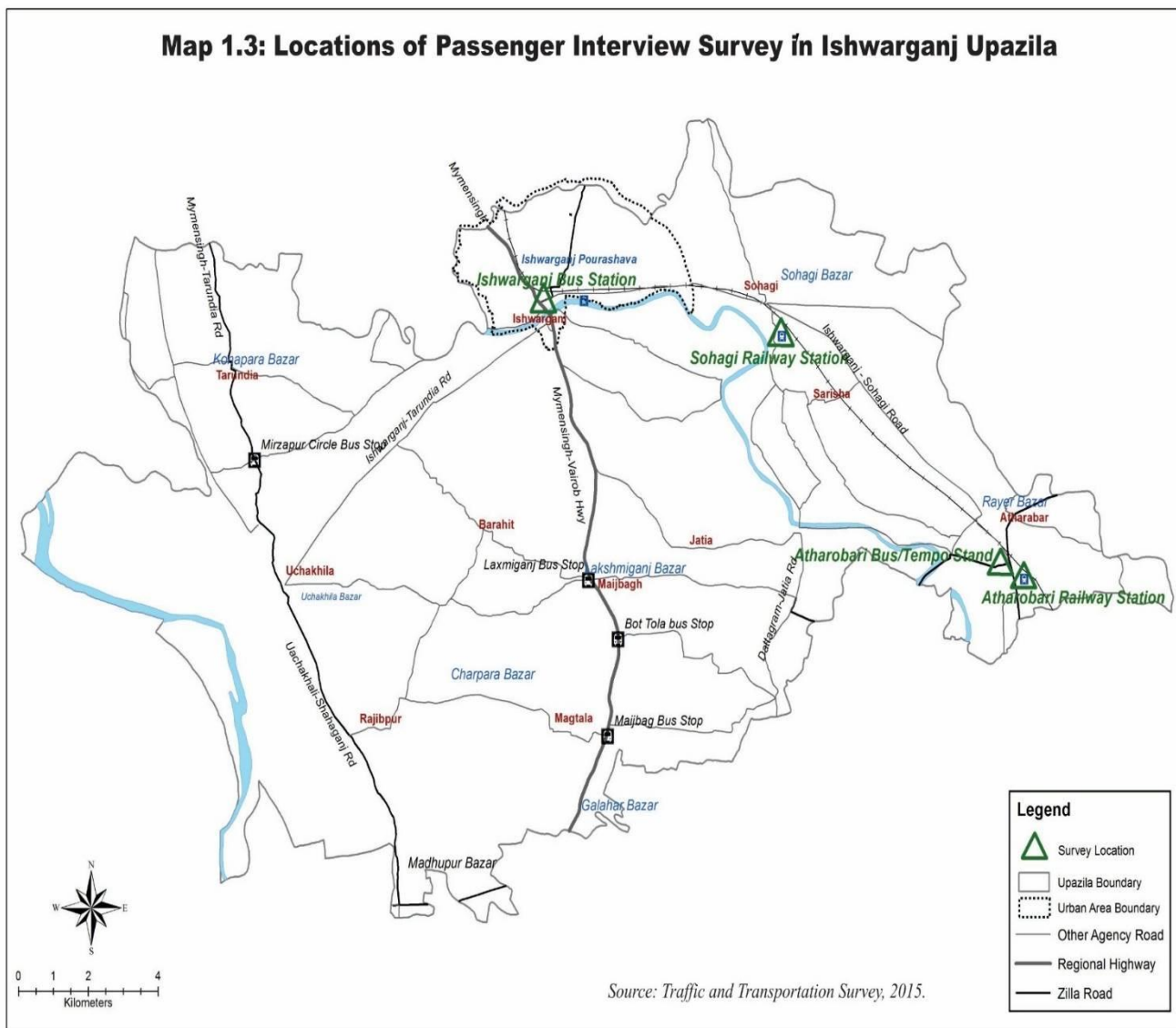
**Purposes of Trips**

# BUS PASSENGER SURVEY FINDINGS

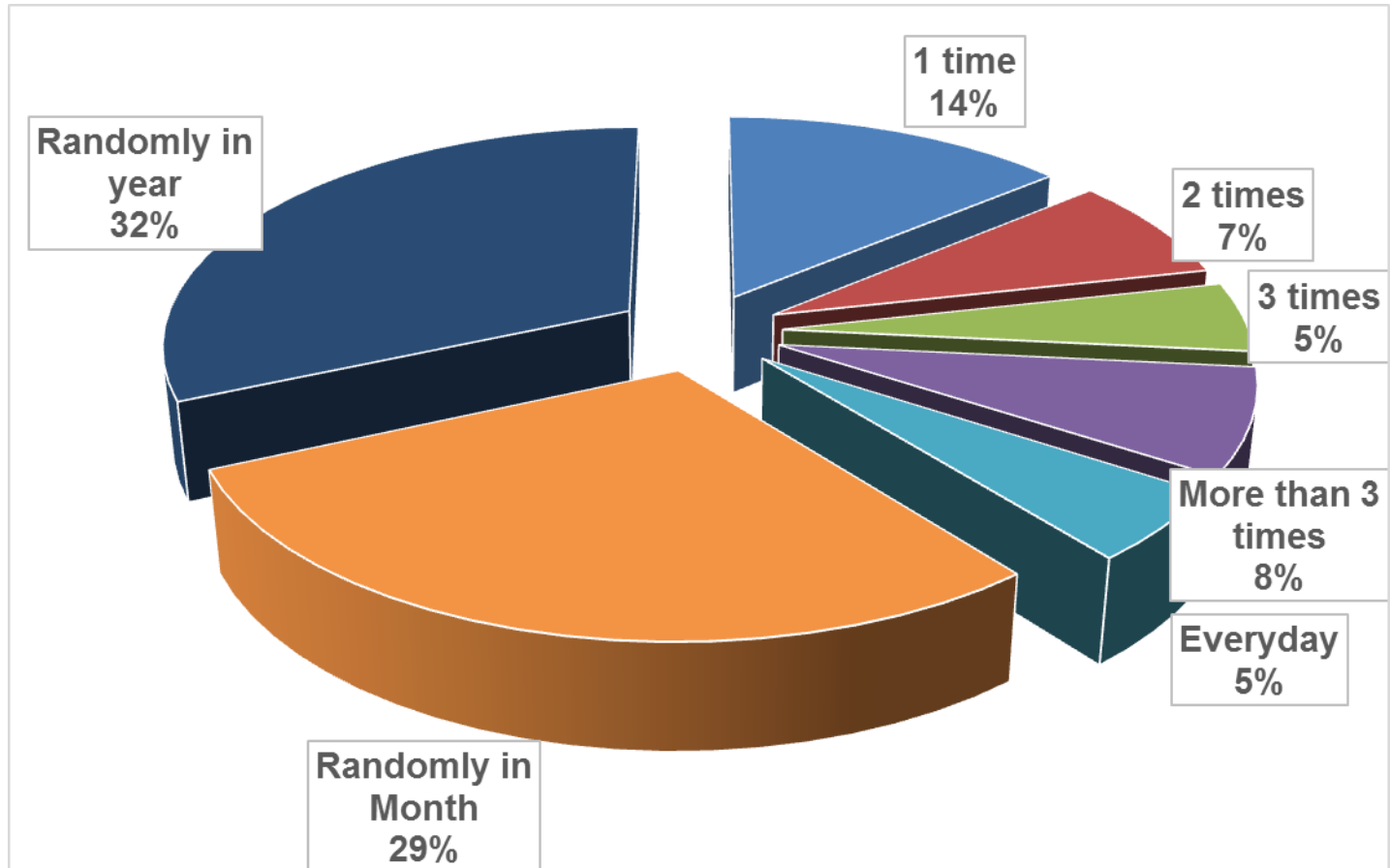


# Bus Passenger Interview Survey Point of Ishwarganj Upazila

**Map 1.3: Locations of Passenger Interview Survey in Ishwarganj Upazila**



# BUS PASSENGER SURVEY FINDINGS (ISHWARGANJ UPAZILA)



**Trip Frequency**

## **BUS PASSENGER SURVEY FINDINGS (ISHWARGANJ UPAZILA)**

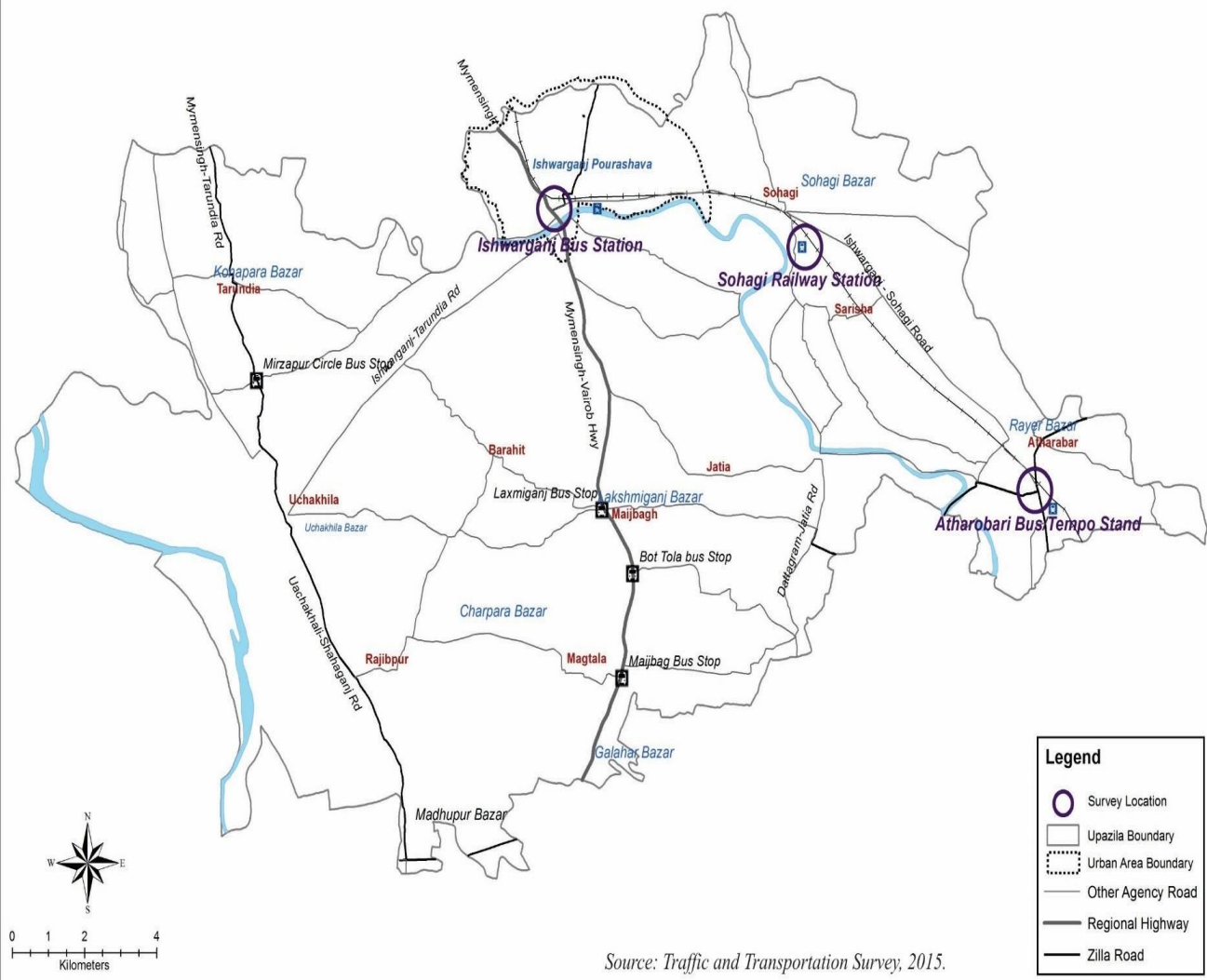
**Within all bus passenger 39.2% are 21-30 years age group, 13.9% are at 31-40 years age group, 19% are at Above 51 years age group and rest are in different categories.**

**People are travelling by bus mainly for Social(51%), work (24%) and shopping (18%) Purposes.**

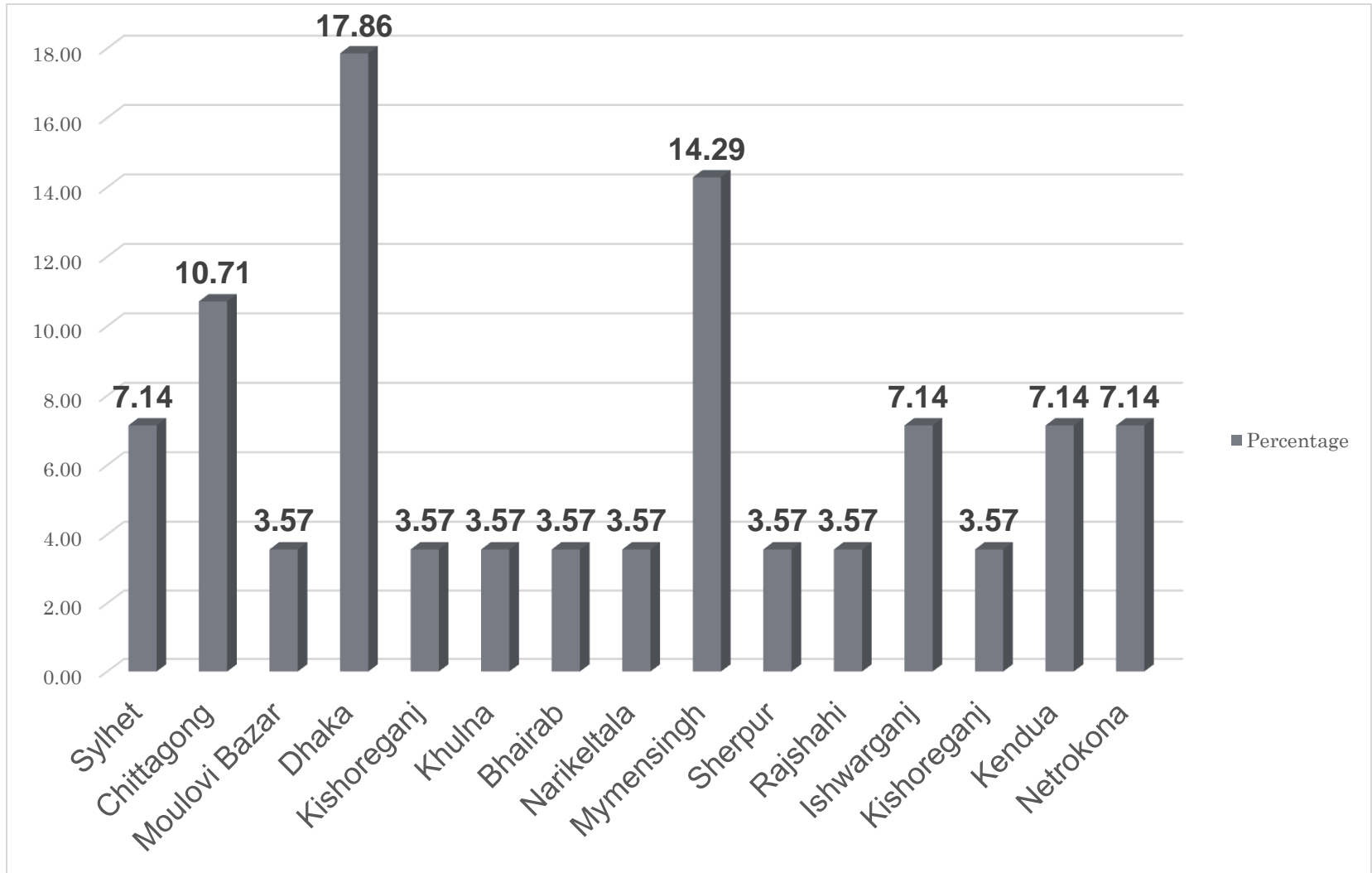
# REGIONAL TRANSPORT SURVEY FINDINGS

Regional  
Transportation  
Survey  
Point of  
Ishwarganj  
Upazila

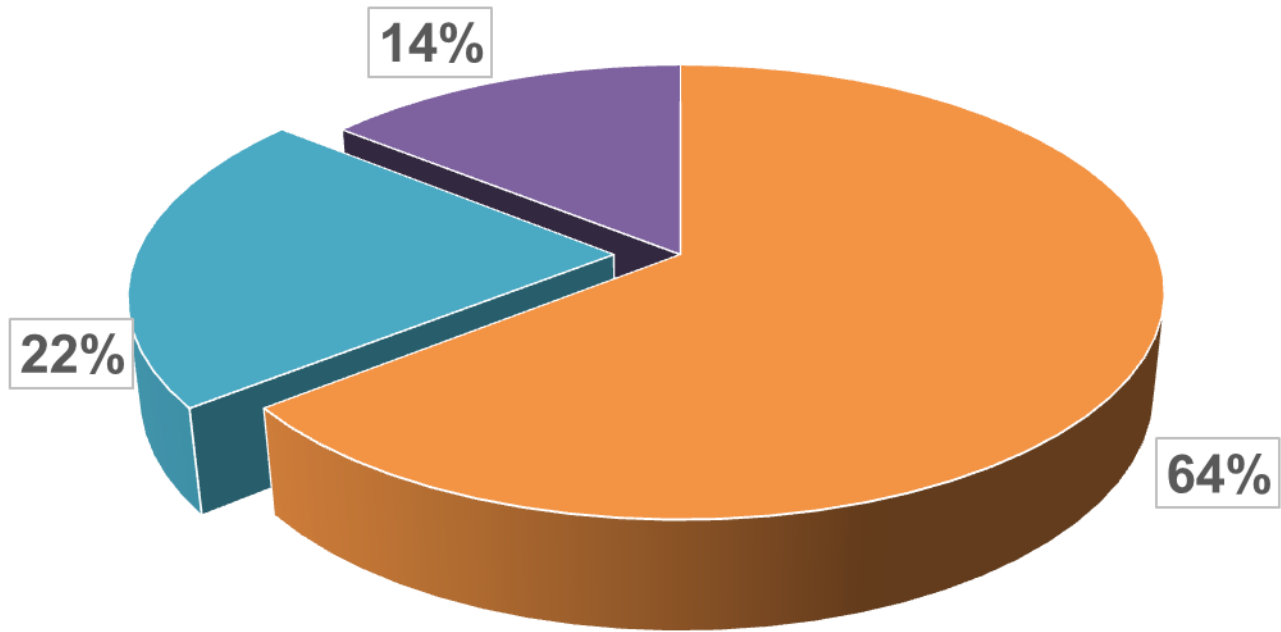
Map 1.4: Locations of Regional Transportation Network Survey in Ishwarganj Upazila



# REGIONAL CONNECTIVITY WITH SURROUNDING REGIONS



## TRIP FREQUENCY OF REGIONAL BUSES



■ 1 trip ■ 2 trips ■ More than 2 trips



# TRIPS COMING/GOING INTO ISHWARGANJ

- Most of the buses has more than 35 persons carrying capacity.
- Trucks are coming into study area or going out form study area for goods carrying purposes such as vegetables, agricultural products like paddy, departmental products etc.
- Train service has been applied in schedule basis at Ishwarganj Upazila. There are 4 trains available in Ishwarganj Upazila

## FINDINGS FROM PRA (ISHWARGANJ UPAZILA)

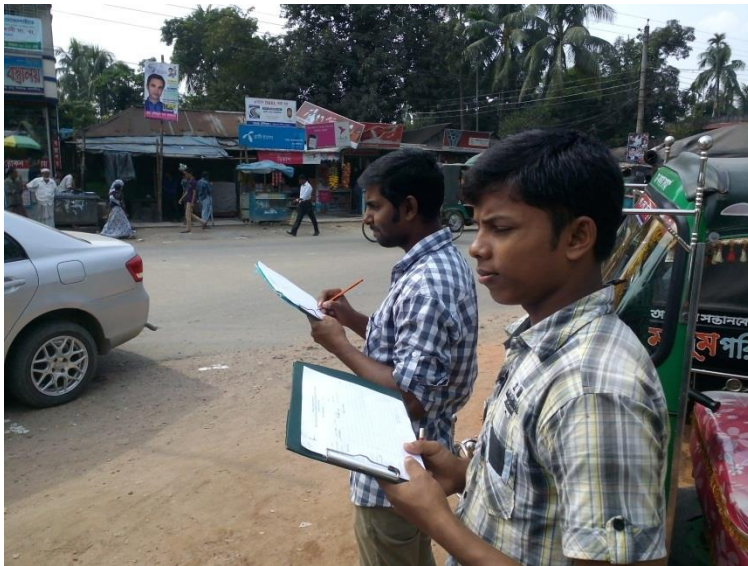
### **Traffic and Transportation problems of Ishwarganj:**

- Poor condition road facilities
- Lack of repair and maintenance
- Narrow and broken roads
- Damaging road due to water logging
- Damaged of Road due to lack of drainage system
- Damage of road due to flash flood and rain
- Ample existence of Katcha road

# FINDINGS FROM PRA (ISHWARGANJ UPAZILA)

- Unplanned infrastructure along the road side.
- Broken bridge and culvert.
- Heavy loaded vehicles on Road
- Encroachment of roads
- Natural Disasters
- No provision of Guide wall
- Lack of seriousness of concerned authority
- Below graded road construction by the contractors
- Bureaucratic Complexity and Budget insufficiency

# TRAFFIC AND TRANSPORTATION SURVEY IN ISHEARGANJ UPAZILA



Muktijoddha Moor Intersection



Lakhmiganj Bazar Intersection Bazar

# TRAFFIC AND TRANSPORTATION SURVEY IN ISHWARGANJ UPAZILA



Bus Passengar Survey



Regional Survey at Ishwarganj Bus Stand

Thank you