

Payra-Kuakata Comprehensive Plan Focusing on Eco-Tourism

Urban Area Plan: 2021-2031

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রেজিস্টার্ড নং ডি এ-১

বাংলাদেশ



গেজেট

অতিরিক্ত সংখ্যা
কর্তৃপক্ষ কর্তৃক প্রকাশিত

বৃহস্পতিবার, আগস্ট ২৯, ২০২৪

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
গৃহায়ন ও গণপূর্ত মন্ত্রণালয়
পরিকল্পনা শাখা-৩

প্রজ্ঞাপন

তারিখ: ০৬ ভাদ্র ১৪৩১ বঙ্গাব্দ/ ২১ আগস্ট ২০২৪ খ্রিষ্টাব্দ

নং ২৫.০০.০০০০.০৩২.১৪.০১৬.১৫(অংশ-১)/৩৬৪—তদানিন্তন পূর্ব পাকিস্তান সরকারের ১৭ জুলাই ১৯৬৫ তারিখের ৪৬৪ নং স্মারকে গঠিত ‘Urban Development Directorate’ এর কার্যাবলির ২নং ক্রমিকে বর্ণিত “to prepare and co-ordinate regional plans, master plans and detailed layout and site plans for the existing as well as the new urban centres excluding the areas covered by the present town development authorities of Dhaka, Chittagong and Khulna” এর প্রদত্ত ক্ষমতাবলে গণপ্রজাতন্ত্রী বাংলাদেশ সরকার “পায়রা বন্দর নগরী ও কুয়াকাটা উপকূলীয় অঞ্চলের পরিবেশ পর্যটনভিত্তিক সমন্বিত পরিকল্পনা প্রণয়ন” শীর্ষক প্রকল্পের আওতায় মাস্টার প্ল্যান (১টি রিজিওনাল প্ল্যান, ০৭ টি স্ট্রাকচার প্ল্যান, ০৭টি রুরাল এরিয়া প্ল্যান, ০৬টি আরবান এরিয়া প্ল্যান এবং এ্যাকশন এরিয়া প্ল্যান ফর সোনার চর এক্সক্লুসিভ টুরিস্ট জোন) প্রণয়ন সম্পন্ন করিয়াছে।

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(২৪৪৫১)

মূল্য : টাকা ৪.০০

বিশেষ দৃষ্টব্যঃ অনুমোদিত প্ল্যানসমূহ নগর উন্নয়ন অধিদপ্তরের প্রধান কার্যালয়, বরিশাল আঞ্চলিক অফিস, বরগুনা ও পটুয়াখালী জেলার জেলা প্রশাসকের কার্যালয় এবং সংশ্লিষ্ট উপজেলা ও পৌরসভা কার্যালয়ে জনসাধারণের পরিদর্শনের সুবিধার্থে সংরক্ষিত থাকিবে।

রাষ্ট্রপতির আদেশক্রমে

মোহাম্মদ খাদেমুর রহমান
সহকারী সচিব।

EXECUTIVE SUMMARY

The Urban Area Plan (UAP) is formulated to serve as a guide to the future town's infrastructure development together with the land use control. The Urban Area Plan is prepared for the Paurashava area and is meant for a period of 10 years. The Urban Area Plan is more elaborate than the Structure Plan and is divided into four chapters – Strategic Planning Zones, Transportation and Traffic Management Guidelines, Drainage and Environmental Management Guidelines and Ward Action Plan including Land use Guidelines. Therefore, Urban Area Plan is the mid-level plan that covers the existing urban plan of Patharghata Paurashava. Urban Area Plan would guide land use and infrastructure within the area potential for urban settlements within next 10 years. This plan aims to formulate Urban Area Plan and Action Area plan at local level.

The presentation of this Report is in compliance with the Terms of Reference for Payra Kuakata Comprehensive Plan Focusing on Eco-Tourism. Patharghata was upgraded to a B category Paurashava in 1997 and covers an area of 7.30 sq. km with 9 wards and 3 mauzas. The current population is approximately 21,175 with a density of 2901 persons per sq. km.

As per the planning standards set for present development plan, an amount of total 2303.79 acre of land proposed for urban services for next 10 years. The future development infrastructure, amenities and services facilities are allocated in conformity with planning standards for urban areas based on the demand of local dwellers as collected through PRA survey.

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CHAPTER- 1: INTRODUCTION

1.1 Introduction

Urban Area Plan is concerned with the planned sustainable development of the urban area of a town or settlement and the protection of its environs. In establishing the limits of the urban area, this Plan is complacent of existing development, projects approved for development but not yet built, and of development in progress. Urban Area Plan includes those areas which require economic, physical and social renewal and for areas likely to be subject to large scale development over the lifetime of the plan. The Land use Plan is one of the four components of Urban Area Plan. Land use Planning rules are statutory rules to control land use according to planning standard. It is based on land use policies including Local Plans, such as residential density, road standard, provision of infrastructure and services. The relevant Acts and Master Plans of the cities are the legal instruments, which is in force with regard to exercise planning control and standards. Therefore, future land use of Patharghata Urban Area is shaped by intermingling relation between existing and proposed land use.

The Urban Area Plan (UAP) will consist of the following plans:

- Land use Plan
- Transportation and Traffic Management Guidelines
- Drainage and Environmental Management Guidelines

1.2 Purpose of Urban Area Plan

Urban Area Plan is a statutory planning document to guide future development of urban up to 2031. The plan will play an important role of enabling Pourashava Office to play greater role as a facilitator for promoting private sector development initiatives. These plans guidance to how it can develop the roles i.e. to promote development, to co-ordinate development and to control development.

1.3 Reflection from Upper-Tier Plans

The Structure Plan provides a long term strategy to the year 2041 for the development of Patharghata Upazila. It consists of a report and a map. It identifies the magnitude and direction of growth and recommends Strategic and sectoral policies over the long term for the Patharghata

Upazila core urban area. The Urban Area Plan provides a mid-term strategy to the year 2031 for the development of the existing potential urban area and those areas likely to come under urbanization pressure over the next decade.

1.4 Area Coverage under Urban Area Plan

Patharghata Paurashava is located at Patharghata Upazila under Barguna District in the southern part of the country. Patharghata became police station in 1925. It was upgraded to an upazila on the November, 1983. Nothing is definitely known about the origin of the name of this upazila. But there is a popular hearsay that the famous saint Khawaja Khan Jahan Ali took rest at the river station (ghat) situated at the meeting place of the rivers. The upazila might have derived its name from the very words Pathar and Ghat. Baleshwar and Bishkhali while carrying stones (Pathar) from Chittagong to Bagerhat for constructing the Sat Gombuj Mosque.

The Paurashava was established 31st May, 1990, as a Paurashava and covers 3 mouzas (8 sheets). However, Patharghata Paurashava consists of 9 wards with an area 7.30 sq.km (1804.34 acres).

Table- 1: Ward wise Area of Patharghata Pourashava

Ward Name	Area (sq. km)	Area (Acre)
Ward No-01	0.20	49.44
Ward No-02	1.46	360.16
Ward No-03	1.30	320.56
Ward No-04	0.48	119.63
Ward No-05	1.45	358.03
Ward No-06	1.10	273.00
Ward No-07	0.19	47.00
Ward No-08	0.27	66.87
Ward No-09	0.85	209.66
Total	7.30	1804.34

Source: PKCP Project, UDD. 2018

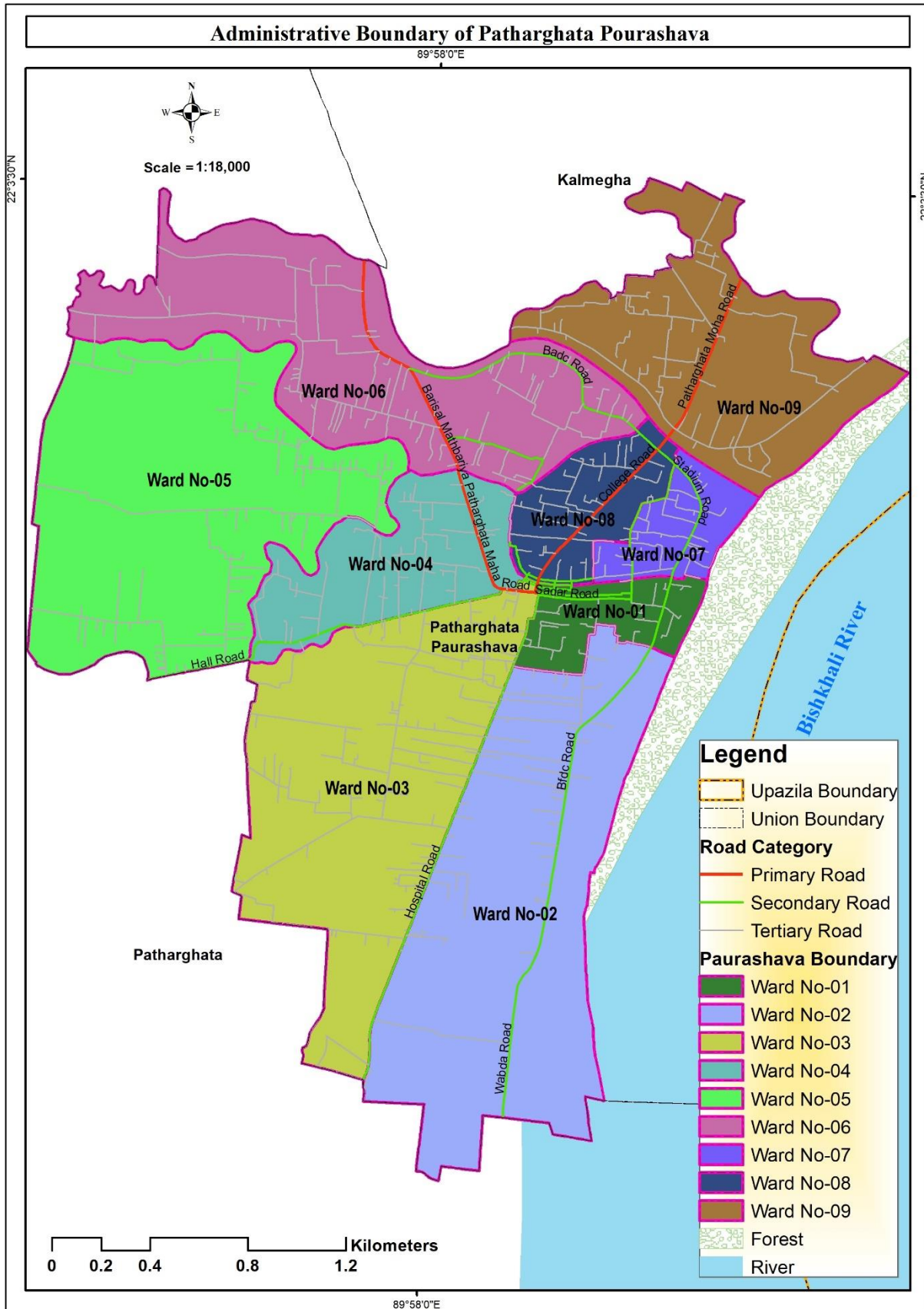


Figure 1: Administrative of Patharghata Pourashava

Source: PKCP Project, UDD. 2018

CHAPTER- 2: STRATEGIC PLANNING ZONES (SPZ)

2.1 SPZ Classification

Strategic Planning Zones (SPZs) are designated areas within a municipality or a region that are identified for specific land use purposes. These zones are typically used to support and facilitate the implementation of strategic plans and policies for the area. The main purpose of SPZs is to promote sustainable and coordinated development of an area by directing development and land use activities in a way that is consistent with the overall vision and objectives of the area's strategic plan. SPZs are typically established through zoning regulations and may include a range of land use designations such as residential, commercial, industrial, or green space.

The urban area of Patharghata has been divided into 4 Strategic Planning Zones (SPZ), each of them needs to be examined and actions related to promotion have to be identified. Strategic planning zones are important because they help to ensure that land use is managed in a coordinated and efficient manner, taking into account the needs and priorities of different stakeholders.

Not all of the SPZ are urban or will become urban in the near future. Whether urban, urbanizing or remaining rural clarity is required on the legal status of the existing land use and on the change in land use that may be promoted, allowed or prohibited. The Strategic Planning Zones of Patharghata Upazila are listed below:

SPZ 01: Upazila Town center (UTC)

SPZ 02: Urban (North and South)

SPZ 03: Urban Fringe (North, West and South)

SPZ 04: New Urban Area

Table- 2: Demarcated Area of SPZ

SPZ Category	Sub-Category	Mouza Name	JL No	Area (Acre)
New Urban Area	-	Baraitala	28	6.10
		Ghutabachha	12	456.02
		Hatempur	27	12.70
Sub-total 1				474.83
Upazila Town center (UTC)	-	Ghutabachha	12	26.37
		Patharghata	36	84.12
Sub-total 2				110.50
Urban	North Urban	Baraitala	28	162.37

	South Urban	Ghutabachha	12	176.57
		Patharghata	36	48.81
		Ghutabachha	12	0.19
		Patharghata	36	265.98
Sub-total 3				653.94
Urban Fringe	North Urban Fringe	Ghutabachha	12	164.81
	South Urban Fringe	Gaharpur	35	0.49
		Patharghata	36	324.46
	West Urban Fringe	Baraitala	28	480.49
		Gaharpur	35	0.07
		Ghutabachha	12	0.35
		Hatempur	27	1.90
		Nij Lathimara	29	0.15
		Patharghata	36	131.45
	Sub-total 4			
Grand Total				2343.43

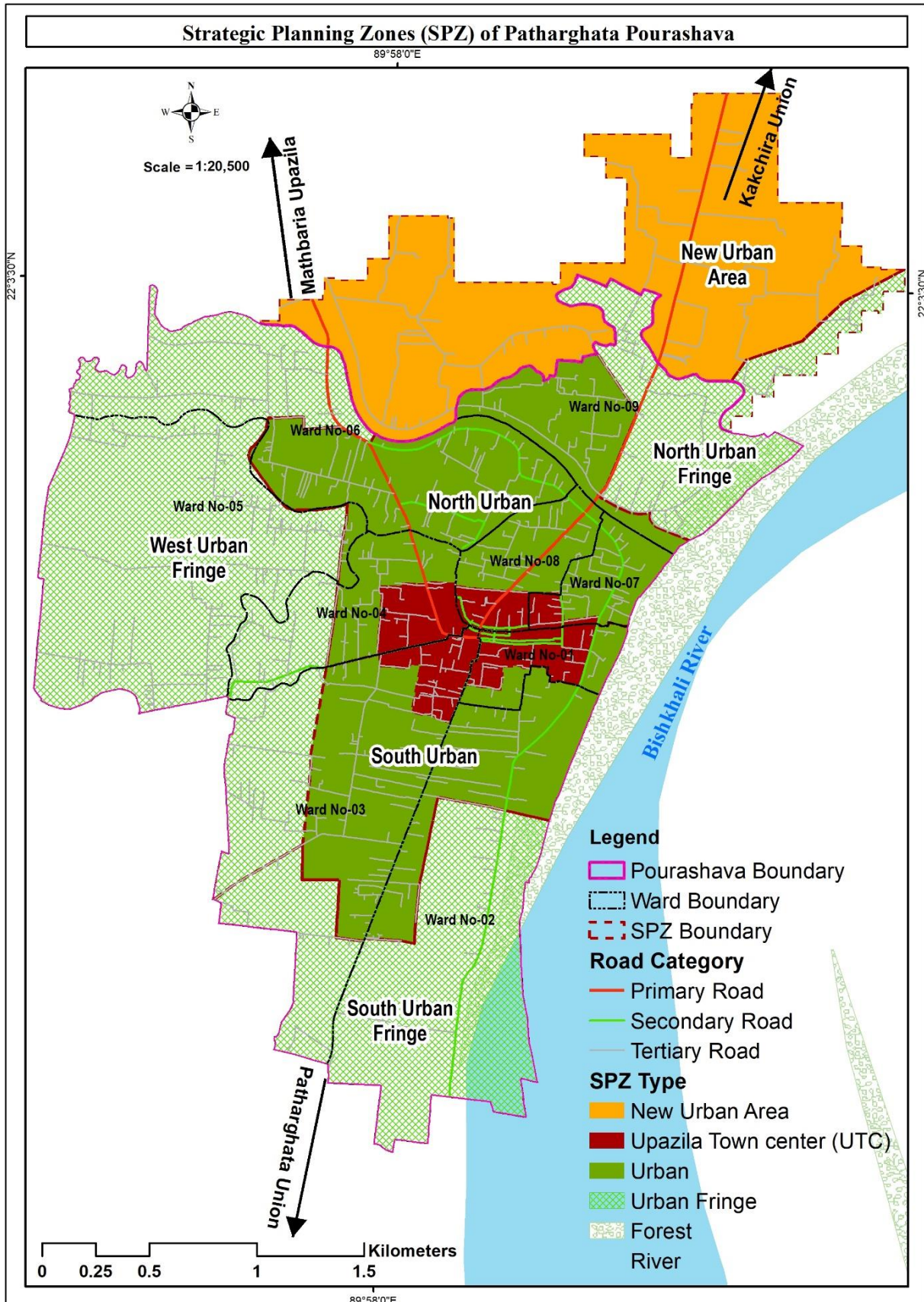


Figure 2: Strategic Planning Zones of Patharghata Pourashava Source: PKCP Project, UDD. 2018

SPZ 01: Upazila Town center (UTC):

This Upazila town center is the administrative and commercial center of the upazila. It is the place where the upazila administration is located. Within Paurashava boundary, high density built-up area. SPZ 01 UTC is located in the center of Patharghata Pourashava. The zone comprises a high concentration of office buildings, retail stores, wholesale market, financial institutions, government buildings, and other commercial establishments. It is the most densely populated and busiest area of the Pourashava, with a high volume of pedestrian and vehicular traffic. It is also typically the most expensive area of the city in terms of real estate prices.

Major Issues and Problems:

- Major wholesale trading zone.
- Traffic congestion and lack of parking facilities.
- Hazardous infrastructures development.
- Highest density development area
- Poor road network and drainage system
- Highest land values

Opportunities

- Located at the junction of two major road networks (Patharghata to Kakchira and Patharghata to Mathbaria road).
- Road widening
- Old canal network around the zone.
- Construction and establishments of Multi-storied infrastructures.

Action Required

- The proposal of road widening within this zone should be implemented immediately.
- Construction of multi-storied parking facilities can reduce the traffic congestion.
- Restoration of Old canals and big ponds should be completed by the respective authority.

SPZ 02: Urban (North and South):

This is adjacent to UTC, with existing high to moderate densely developed and open/green space. The zone comprises the relatively high density development area except CBD zone. This is the prime residential area of Patharghata Pourashava. This zone is occupied by the most of the peoples in this Pourashava.

Major Issues and Problems:

- High density area
- High land value
- Spontaneous development without proper infrastructure provision
- Insufficient road width

Opportunities

- Medium density development
- Proximity to major urban services
- Proximity to the urban core area
- Proximity to major road.

Action Required

- A road network plan should be prepared and maintained by respective authority.
- Urban services should be provided according to Urban Area Plan
- Initiate community based awareness program to preserve and protect water bodies.
- Prepare Local Area Plan on priority basis.

SPZ 03: Urban Fringe (North, West and South):

This zone located from Inner fringe to Paurashava boundary which has mixture of urban and rural land uses (Rest of the area except urban core and inner fringe, mainly agriculture dominated area). The zone comprises the relatively low density development area around the periphery area of the Pourashava. This area describes urban agriculture with rural settlements in nature.

Major Issues and Problems:

- Semi-urban area
- Low density area
- Spontaneous development by destroying urban agriculture
- Insufficient road network

Opportunities

- Low density development
- Preserving agricultural land and natural water bodies
- Utilizing vacant land
- Natural drainage system

Action Required

- Identify the alignment of proposed road and need up-gradation.
- Initiate community based actions to prepare local development plan.
- Initiate community based awareness program to preserve and protect water bodies.
- Prepare Local Area Plan on priority basis.
- Identifying potential agricultural land and take actions to preserve them.

SPZ 04: New Urban Area:

This is located outside of existing Paurashava boundary, based on spatial analysis which is verified by public hearing with local people and administration. This zone describes the potential urban areas of Ptharghata Pourashava. Pourashava population is increasing day by day. The city is expanding to north to meet the population growth spontaneously.

Major Issues and Problems:

- Semi-urban area
- Low/moderate density
- Spontaneous development without proper infrastructure provision
- No initiative for provision of infrastructure reserve

Opportunities

- Low density development

- High land
- Proximity to the existing urban area
- Major road and canal forms the boundary

Action Required

- A layout plan should be prepared and maintained by respective authority.
- Identify the alignment of proposed road and road those need up-gradation;
- Defer development activities on land reserve required for new road and road up-gradation.
- Initiate community based awareness program to preserve and protect water bodies.

CHAPTER- 3: TRANSPORTATION AND TRAFFIC MANAGEMENT GUIDELINES

3.1 Introduction

This section of the Urban Area Plan (UAP) intends to set out some guidelines for the transport sector development and its relevant institutional setup. The major areas of concern are network and infrastructure, traffic regulations, services, and institutional aspect. Also, different instructions are grouped under individual guidance notes on different topics.

The critical question here is how far the scenario of the future can be predicted with some level of accuracy. Specially, in a sector like transport that is heavily dependent upon technology, the underlying assumptions can shift quickly that can turn much of the decisions invalid.

3.2 Existing Conditions of Transportation Facilities

A comprehensive transportation study is undertaken to investigate the existing transportation infrastructure, transportation modes and modal share scenario of Patharghata Paurashava and to estimate the anticipated transportation needs of the town up to the year 2031. Accordingly, the transportation study is conducted to determine the present travel patterns and the characteristics of existing transportation facilities to forecast the future travel demand and develop a transportation guidelines. Traffic volume survey has been conducted to find out the scenario of average daily traffic, peak hour traffic and off-peak hour traffic. Origin-Destination survey has been carried out to know the pattern of traffic generation, traffic distribution, traffic modes and traffic costing, travel behavior etc. Growth center survey has been conducted at 5 points on Pourashava to determine the traffic congestion factors and conditions. Stakeholder interview has been accomplished to understand the traffic conditions in this area and find out the potential decisions to solve traffic problems.

3.3 Existing Road Network

The primary roads are the urban highways whose function is to channelize the longer movement from one place to another and beyond. The primary road of Patharghata Paurashava is connected in north directions and these roads maintain connectivity with the outside areas of Paurashava. Moreover, the primary roads are also connected with secondary

and access roads and all these roads maintain good connectivity within the Paurashava area. Secondary road cannot provide access to individual buildings because the consequent frequency of interruptions would give rise to traffic dangers. Tertiary road connect secondary road with access road. But in Patharghata Paurashava most of the roads cannot be defined according to road hierarchy.

From the physical feature survey it has been observed that about 41.88% (34.52 km) of the roads are Pucca, 30.90% (25.46 km) roads Earthen/Katcha and the rest of the roads are Semi-pucca 27.22% (22.44 km). There are 2 major bridge at Patharghata Paurashava. These bridges are pucca and condition of pavement are good and the rests of them are wooden. There are 43 box culverts with 12 pipe culverts exist at Patharghata Paurashava. Figure 3 shows existing road network of Patharghata Paurashava.

Table- 3: Existing Road Category of Patharghata Pourashava

Road Category	Length (Km)	%
Path	8.06	9.78
Primary Road	3.23	3.92
Secondary Road	10.50	12.74
Tertiary Road	60.63	73.56
Total	82.42	100.00

Table- 4: Existing Road Type of Patharghata Pourashava

Road Type	Length (km)	%
Earthen	25.46	30.90
Semi-pucca	22.44	27.22
Pucca	34.52	41.88
Total	82.42	100.00

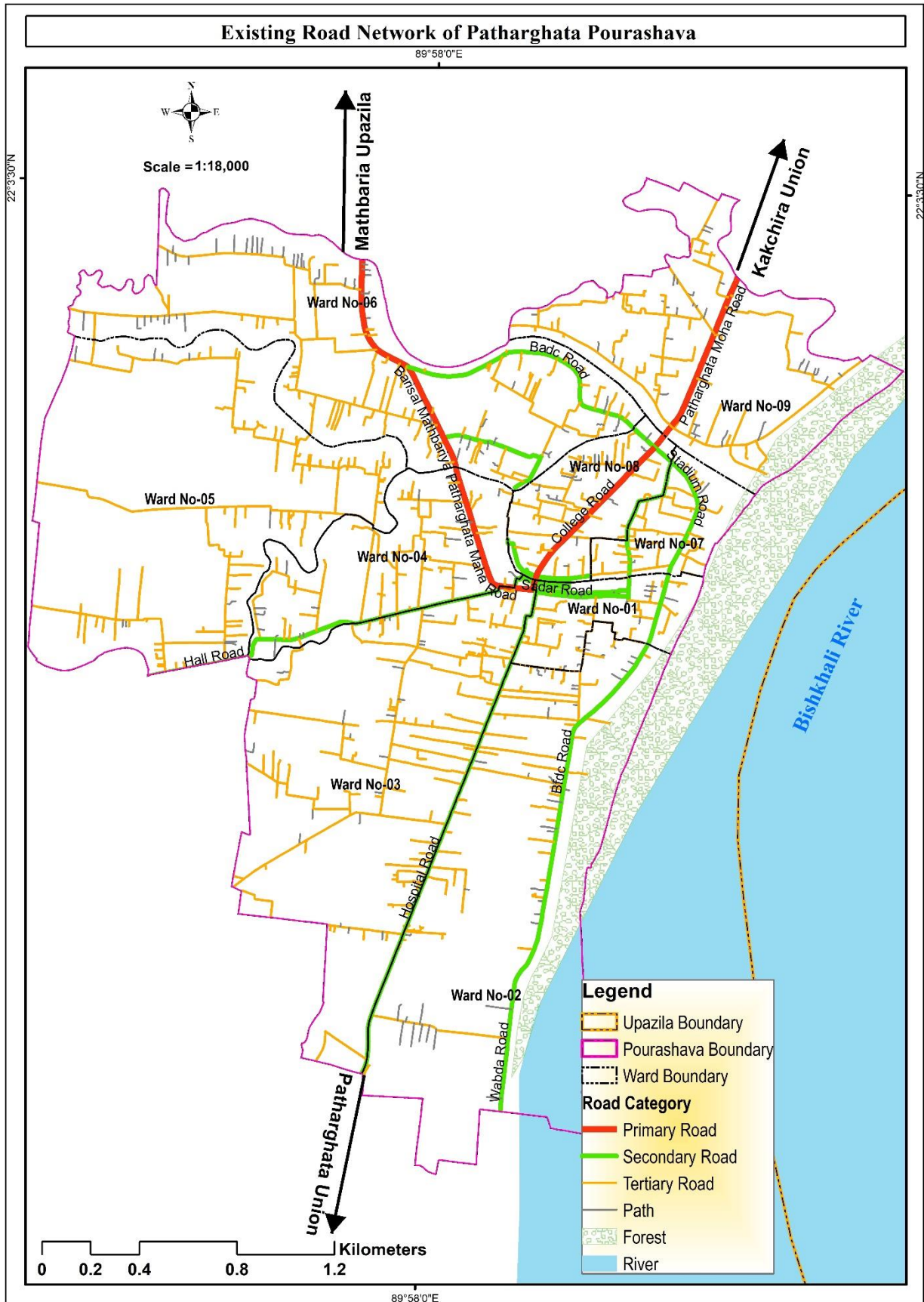


Figure 3: Existing Road Network of Patharghata Pourashava

Source: PKCP Project, UDD. 2018

3.4 Existing Waterways

Water transport network of Patharghata Paurashava has significant importance in carrying both people and goods. Boat, trawler and launch are used for carrying both passenger and commodity frequently.

3.5 Others Transportation System

At this stage there is no need to propose car way, rail way in this Paurashava.

3.6 Transportation Development Plan

3.6.1 Future Projections and Travel Demand Forecasting

With the increase of population, demand on travel will be increase with the time. Estimating the demand for transportation facilities and services is one of the most important analysis tasks in transportation planning. The demand includes not only passenger travel but also the movement of goods. Whether conducting a regional transportation planning study or examining the impacts of transportation of a new development site, estimating expected travel demand at some future date is critical point of departure for transportation planning.

At Patharghata Paurashava, the existing road network is quite sufficient for accommodating present volume of traffic. At Patharghata Paurashava about 31% of the roads are katcha and needs to be constructed as pucca or at least semi-pucca. Moreover, most of the roads are narrow. Road Alignment should be straight in main road for improving transport quality. Widening of these roads and new construction of some roads will act as a vital role for accommodating future traffic volume. Moreover, the people of Patharghata Paurashava depend on both road network and water transport network. This will also help to reduce pressure on road transport network. Forecasting travel demand requires variety of data such as historical data on traffic, missing link, economic importance, trip generation and distribution pattern, routes choice, modal spilt, etc. Growth direction is also a considerable component for the demand analysis of the road.

According to Transportation survey, The project area is enriched with the water network and people feel comfortable and reliable in water transport so people use water transport for travel even in long distance directly. Patharghata is fully segregated by water route from other upazila say Barguna Sadar or Galachipa so people mainly use water route to travel from these upazilas. From The survey, It is seen that most of the waterways trips around 39% are

generated from Patharghata Pourashava to Barguna Upazila and 57% trips are generated from Kakchira Ghata to Barguna.

Vehicular trips are distributed within the upazila mainly in Patharghata and Kakchira which are two well established unions in this upazila. As this upazila is connected with other upazila by zila road and regional highway so trips are distributed to other upazilas and other external area; Barisal, Bhola, Patuakhali etc. From The survey, about 50% motorized trips are generated from Patharghata Bazar to Kakchira Union and 30 trips are generate from Patharghata Bazar to Char-Duani Union. So, it is necessary to improve this roads as planning decision.

3.6.2 Road Network Plan

Patharghata is a small town with a very low volume of internal and external traffic movement. Considering traffic volume and discussion with Paurashava authority and PRA, consultants have established a road hierarchy based on the functional area within the Paurashava as well as the internal and external linkage. Existing Access roads will be connected with Tertiary and Secondary roads for better mobility. Following table shows the standard of future development of road network.

Table- 5: Standard for Future Development of the Road Network of Patharghata Paurashava

Landuse Category	Road Classification	Right of Way (RoW)
Circulation Network	Primary Road	80-100 feet
	Secondary Road	60 feet
	Tertiary Road	40 feet
	Access Road	12-20 feet

Table- 6: Proposed Road Network

Road Category	Length (Km)	%
Primary Road	7.85	7.04
Secondary Road	29.04	26.06
Tertiary Road	47.91	42.99
Access Road	26.64	23.91
Total	111.44	100.00



Figure 4: Proposed Road Network

Source: PKCP Project, UDD. 2018

3.6.3 Proposals for Improvement of Existing Road Network

The improvement plan for existing road network has been prepared considering two categories, which are as follows:

- a. Roads connect Paurashava with Regional Road Network
- b. Roads provide internal network of the Paurashava

All of the Road should be developed in 10 years implementation time. It will be done in two phases; 1st phase (1st 5 years) and 2nd phase (2nd 5 year). In the master plan, about 93. 22 kilometers roads have been proposed for widening. Summary of road widening proposal has been shown in Table 7.

Table- 7: Data Inventory of Proposed Road Network (Widening)

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-1	Katcha	6		Tertiary Road	Widening	Access	20	29.27
AR-2	Semi Pucca	6		Tertiary Road	Widening	Access	20	16.23
PR-3	Pucca	14		Primary Road	Widening	Primary	80	1293.20
AR-4	Semi Pucca	2		Tertiary Road	Widening	Access	20	11.09
AR-5	Katcha	6		Tertiary Road	Widening	Access	20	49.63
TR-6	Katcha	7		Tertiary Road	Widening	Tertiary	40	152.84
AR-7	Semi Pucca	5		Tertiary Road	Widening	Access	20	79.98
AR-8	Katcha	5		Path	Widening	Access	12	40.03
TR-9	Semi Pucca	10		Tertiary Road	Widening	Tertiary	40	92.38
AR-10	Semi Pucca	5		Tertiary Road	Widening	Access	20	55.73
TR-11	Pucca	5		Tertiary Road	Widening	Tertiary	40	34.79
TR-12	Katcha	6		Path	Widening	Tertiary	40	74.23
AR-13	Semi Pucca	5.4		Path	Widening	Access	12	26.73
TR-14	Pucca	19		Secondary Road	Widening	Tertiary	19	184.23
AR-15	Semi Pucca	5		Path	Widening	Access	12	33.66
AR-16	Semi Pucca	12		Tertiary Road	Widening	Access	20	48.17
TR-17	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	134.25
SR-18	Pucca	10.8	Mosjid Road	Secondary Road	Widening	Secondary	60	82.10
AR-19	Katcha	3		Path	Widening	Access	12	14.03
AR-20	Katcha	6		Tertiary Road	Widening	Access	20	29.62
AR-21	Pucca	4		Tertiary Road	Widening	Access	20	14.42
TR-22	Katcha	3		Tertiary Road	Widening	Tertiary	40	134.14
AR-23	Katcha	4		Path	Widening	Access	12	73.21
AR-24	Semi Pucca	5		Path	Widening	Access	12	20.91
AR-25	Semi Pucca	4.5		Path	Widening	Access	12	39.10
AR-26	Katcha	5		Path	Widening	Access	12	34.89
TR-27	Katcha	5		Tertiary Road	Widening	Tertiary	40	175.97
AR-28	Katcha	5		Path	Widening	Access	12	22.95
AR-29	Katcha	3		Path	Widening	Access	3	15.41
TR-30	Katcha	6		Tertiary Road	Widening	Tertiary	40	118.00
TR-31	Katcha	5		Tertiary Road	Widening	Tertiary	40	375.69
AR-32	Semi Pucca	8		Path	Widening	Access	12	20.50
AR-33	Katcha	5		Path	Widening	Access	12	24.38
AR-34	Semi Pucca	4		Tertiary Road	Widening	Access	20	26.01
TR-35	Pucca	7.6		Tertiary Road	Widening	Tertiary	40	61.59
AR-36	Semi Pucca	4		Tertiary Road	Widening	Access	20	37.84

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-37	Katcha	3		Path	Widening	Access	3	23.77
AR-38	Semi Pucca	3		Tertiary Road	Widening	Access	20	40.88
AR-39	Semi Pucca	3.6		Tertiary Road	Widening	Access	20	16.81
AR-40	Katcha	4		Tertiary Road	Widening	Access	20	98.89
AR-41	Katcha	2		Path	Widening	Access	12	44.08
AR-42	Semi Pucca	5		Tertiary Road	Widening	Access	20	62.62
AR-43	Katcha	5		Path	Widening	Access	12	95.82
AR-44	Katcha	5.5		Tertiary Road	Widening	Access	20	72.98
AR-45	Katcha	5		Path	Widening	Access	12	71.11
TR-46	Katcha	4		Tertiary Road	Widening	Tertiary	40	35.66
AR-47	Katcha	1		Tertiary Road	Widening	Access	20	64.78
SR-48	Pucca	7.5		Tertiary Road	Widening	Secondary	60	169.95
TR-49	Katcha	4		Tertiary Road	Widening	Tertiary	40	156.37
TR-50	Katcha	5.8		Tertiary Road	Widening	Tertiary	40	92.13
AR-51	Katcha	4		Tertiary Road	Widening	Access	20	35.55
AR-52	Pucca	3.5		Tertiary Road	Widening	Access	20	27.36
AR-53	Katcha	4		Path	Widening	Access	12	26.48
TR-54	Pucca	9		Tertiary Road	Widening	Tertiary	40	99.46
TR-55	Semi Pucca	6.8		Tertiary Road	Widening	Tertiary	40	40.95
AR-56	Katcha	5		Tertiary Road	Widening	Access	20	21.51
PR-57	Pucca	14		Primary Road	Widening	Primary	80	655.52
AR-58	Semi Pucca	4		Tertiary Road	Widening	Access	20	32.43
TR-59	Semi Pucca	3		Tertiary Road	Widening	Tertiary	40	163.96
AR-60	Katcha	6		Path	Widening	Access	12	14.23
AR-61	Katcha	6		Tertiary Road	Widening	Access	20	173.94
AR-62	Semi Pucca	5		Path	Widening	Access	12	47.13
AR-63	Katcha	4		Tertiary Road	Widening	Access	20	46.12
TR-64	Pucca	10		Tertiary Road	Widening	Tertiary	40	81.04
AR-65	Pucca	5		Tertiary Road	Widening	Access	20	44.89
AR-66	Pucca	7		Tertiary Road	Widening	Access	20	89.65
TR-67	Katcha	3		Tertiary Road	Widening	Tertiary	40	0.06
AR-68	Semi Pucca	3		Path	Widening	Access	12	68.81
SR-69	Pucca	12	Katchahar a Kanda Road	Tertiary Road	Widening	Secondary	60	160.77
AR-70	Pucca	5		Tertiary Road	Widening	Access	20	62.39
AR-71	Katcha	3		Tertiary Road	Widening	Access	20	21.50
AR-72	Semi Pucca	8		Tertiary Road	Widening	Access	20	18.76
TR-73	Semi Pucca	7		Tertiary Road	Widening	Tertiary	40	106.69
TR-74	Semi Pucca	6.3		Tertiary Road	Widening	Tertiary	40	151.71
AR-75	Semi Pucca	5		Tertiary Road	Widening	Access	20	13.75
SR-76	Katcha	9		Tertiary Road	Widening	Secondary	60	338.73
SR-77	Pucca	19	Stadium Road	Secondary Road	Widening	Secondary	60	435.70
AR-78	Semi Pucca	5		Tertiary Road	Widening	Access	20	48.69
SR-79	Semi Pucca	10		Tertiary Road	Widening	Secondary	60	342.25
AR-80	Katcha	5		Path	Widening	Access	12	142.80
TR-81	Katcha	5		Tertiary Road	Widening	Tertiary	40	197.89
TR-82	Katcha	3		Tertiary Road	Widening	Tertiary	40	67.88
TR-83	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	77.25
AR-84	Katcha	6		Path	Widening	Access	12	35.19
TR-85	Katcha	5		Tertiary Road	Widening	Tertiary	40	78.46
AR-86	Semi Pucca	5		Path	Widening	Access	12	19.25
TR-87	Katcha	6		Tertiary Road	Widening	Tertiary	40	367.47
SR-88	Semi Pucca	8		Tertiary Road	Widening	Secondary	60	119.29
AR-89	Katcha	6		Path	Widening	Access	12	70.64
TR-90	Semi Pucca	7		Tertiary Road	Widening	Tertiary	40	130.68
AR-91	Katcha	4		Tertiary Road	Widening	Access	20	51.58
TR-92	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	149.58
AR-93	Katcha	5		Path	Widening	Access	12	23.01

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-94	Katcha	4		Tertiary Road	Widening	Access	20	57.97
AR-95	Katcha	5		Tertiary Road	Widening	Access	20	40.30
TR-96	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	84.66
TR-97	Katcha	6		Tertiary Road	Widening	Tertiary	40	334.84
SR-98	Semi Pucca	8.5		Tertiary Road	Widening	Secondary	60	99.82
AR-99	Katcha	10		Tertiary Road	Widening	Access	20	104.71
SR-100	Semi Pucca	9.5		Tertiary Road	Widening	Secondary	60	833.23
AR-101	Katcha	5		Tertiary Road	Widening	Access	20	21.19
AR-102	Pucca	9		Tertiary Road	Widening	Access	20	310.01
PR-103	Pucca	14		Primary Road	Widening	Primary	80	20.41
AR-104	Katcha	5		Path	Widening	Access	12	122.74
AR-105	Katcha	5		Tertiary Road	Widening	Access	20	40.34
TR-106	Pucca	8.3	Chaprashi Bari Road	Tertiary Road	Widening	Tertiary	40	282.70
SR-107	Pucca	13	Bfdc Road	Secondary Road	Widening	Secondary	60	2086.32
AR-108	Katcha	3		Path	Widening	Access	12	80.80
AR-109	Pucca	5		Path	Widening	Access	12	19.98
TR-110	Semi Pucca	4		Tertiary Road	Widening	Tertiary	40	43.63
AR-111	Semi Pucca	7		Tertiary Road	Widening	Access	20	56.02
AR-112	Katcha	5		Tertiary Road	Widening	Access	20	44.29
AR-113	Semi Pucca	3		Tertiary Road	Widening	Access	20	26.93
AR-114	Katcha	5		Tertiary Road	Widening	Access	20	37.24
AR-115	Pucca	4		Tertiary Road	Widening	Access	20	67.91
AR-116	Katcha	5.5		Tertiary Road	Widening	Access	20	68.85
AR-117	Katcha	5.6		Tertiary Road	Widening	Access	20	19.39
AR-118	Semi Pucca	4		Path	Widening	Access	12	14.98
AR-119	Katcha	5		Path	Widening	Access	20	73.63
AR-120	Pucca	8		Tertiary Road	Widening	Access	20	32.52
AR-121	Katcha	3		Path	Widening	Access	12	25.32
AR-122	Katcha	5		Tertiary Road	Widening	Access	20	94.48
AR-123	Semi Pucca	5		Path	Widening	Access	12	19.73
SR-124	Pucca	8		Tertiary Road	Widening	Secondary	60	287.77
TR-125	Pucca	10		Tertiary Road	Widening	Tertiary	40	78.14
TR-126	Katcha	13		Tertiary Road	Widening	Tertiary	40	82.86
AR-127	Katcha	3		Path	Widening	Access	12	68.93
TR-128	Pucca	3.5		Tertiary Road	Widening	Tertiary	40	141.03
TR-129	Pucca	7		Tertiary Road	Widening	Tertiary	40	83.03

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-130	Semi Pucca	9		Path	Widening	Access	12	61.80
AR-131	Pucca	8		Tertiary Road	Widening	Access	20	272.89
TR-132	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	105.92
TR-133	Pucca	10		Tertiary Road	Widening	Tertiary	40	178.61
TR-134	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	27.81
AR-135	Pucca	5		Tertiary Road	Widening	Access	20	16.86
AR-136	Pucca	5		Path	Widening	Access	12	28.05
AR-137	Katcha	5		Path	Widening	Access	12	18.88
AR-138	Semi Pucca	5		Path	Widening	Access	12	18.63
TR-139	Pucca	11		Tertiary Road	Widening	Tertiary	40	208.46
SR-140	Pucca	18		Secondary Road	Widening	Secondary	60	134.39
AR-141	Katcha	5		Path	Widening	Access	12	59.94
TR-142	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	168.22
TR-143	Katcha	5		Tertiary Road	Widening	Tertiary	40	49.76
AR-144	Semi Pucca	3		Tertiary Road	Widening	Access	20	47.64
TR-145	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	115.04
AR-146	Katcha	6		Tertiary Road	Widening	Access	20	47.82
AR-147	Katcha	5		Path	Widening	Access	12	27.87
SR-149	Pucca	9	Hatempur Road	Tertiary Road	Widening	Secondary	60	45.29
TR-150	Katcha	5		Tertiary Road	Widening	Tertiary	40	23.20
AR-151	Katcha	3		Path	Widening	Access	12	26.37
AR-152	Pucca	7		Path	Widening	Access	12	26.73
TR-153	Pucca	7.7		Tertiary Road	Widening	Tertiary	40	87.37
AR-154	Katcha	6		Tertiary Road	Widening	Access	20	105.72
TR-155	Katcha	6		Tertiary Road	Widening	Tertiary	40	252.06
AR-156	Katcha	5		Path	Widening	Access	12	38.83
AR-157	Katcha	4		Path	Widening	Access	12	40.55
SR-158	Pucca	8		Tertiary Road	Widening	Secondary	60	158.82
AR-159	Semi Pucca	5		Tertiary Road	Widening	Access	20	79.62
TR-160	Semi Pucca	5		Path	Widening	Tertiary	40	52.41
AR-161	Semi Pucca	5		Tertiary Road	Widening	Access	20	27.82
AR-162	Katcha	5		Tertiary Road	Widening	Access	20	133.79
TR-163	Pucca	7		Tertiary Road	Widening	Tertiary	40	98.94
AR-164	Katcha	6		Tertiary Road	Widening	Access	20	22.78
AR-165	Katcha	4		Tertiary Road	Widening	Access	20	80.46
TR-166	Katcha	5		Tertiary Road	Widening	Tertiary	40	3.48
TR-167	Pucca	8		Tertiary Road	Widening	Tertiary	40	245.36
SR-	Semi Pucca	7		Tertiary Road	Widening	Secondary	60	149.40

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
168								
AR-169	Katcha	6		Path	Widening	Access	12	33.48
SR-170	Semi Pucca	10		Tertiary Road	Widening	Secondary	60	537.21
TR-171	Pucca	8		Tertiary Road	Widening	Tertiary	40	127.85
AR-172	Katcha	5		Path	Widening	Access	12	58.03
AR-173	Semi Pucca	5		Tertiary Road	Widening	Access	20	106.98
AR-174	Semi Pucca	4		Tertiary Road	Widening	Access	20	61.12
TR-175	Pucca	12	Purbo Bazar Muszid Road	Tertiary Road	Widening	Tertiary	40	134.30
TR-176	Pucca	8.4		Tertiary Road	Widening	Tertiary	40	156.37
AR-177	Katcha	2.6		Path	Widening	Access	12	17.38
AR-178	Katcha	5		Path	Widening	Access	12	54.55
AR-179	Katcha	3		Tertiary Road	Widening	Access	20	53.17
AR-180	Katcha	4		Tertiary Road	Widening	Access	20	57.61
TR-182	Pucca	8.5	Katchag School Road	Secondary Road	Widening	Tertiary	30	53.42
AR-183	Katcha	7		Path	Widening	Access	12	36.10
AR-184	Katcha	3.5		Path	Widening	Access	3.5	23.45
TR-185	Katcha	10		Tertiary Road	Widening	Tertiary	40	110.14
AR-186	Semi Pucca	6		Tertiary Road	Widening	Access	20	22.93
AR-187	Semi Pucca	6		Path	Widening	Access	12	50.47
AR-188	Katcha	5		Tertiary Road	Widening	Access	20	37.17
AR-189	Katcha	5		Path	Widening	Access	12	55.56
TR-190	Katcha	7.9		Tertiary Road	Widening	Tertiary	40	86.70
TR-191	Semi Pucca	5.6		Tertiary Road	Widening	Tertiary	40	143.53
TR-192	Semi Pucca	6.3		Tertiary Road	Widening	Tertiary	40	126.82
TR-193	Pucca	10		Tertiary Road	Widening	Tertiary	40	101.77
AR-194	Semi Pucca	5		Path	Widening	Access	12	47.12
AR-195	Katcha	5		Tertiary Road	Widening	Access	20	47.58
AR-196	Katcha	5		Path	Widening	Access	12	25.33
SR-197	Pucca	8		Tertiary Road	Widening	Secondary	60	292.04
AR-199	Katcha	8		Tertiary Road	Widening	Access	20	42.97
AR-200	Katcha	5		Tertiary Road	Widening	Access	20	52.78
TR-201	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	63.37
AR-202	Katcha	5		Tertiary Road	Widening	Access	20	30.99
TR-203	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	338.02

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-204	Katcha	3		Tertiary Road	Widening	Access	20	19.99
AR-205	Katcha	6		Path	Widening	Access	12	29.62
SR-206	Semi Pucca	8		Tertiary Road	Widening	Secondary	60	290.00
TR-207	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	62.76
AR-208	Semi Pucca	5		Path	Widening	Access	12	22.56
TR-209	Pucca	12		Tertiary Road	Widening	Tertiary	40	12.68
AR-210	Katcha	5		Path	Widening	Access	20	32.58
SR-211	Katcha	9		Tertiary Road	Widening	Secondary	60	184.43
AR-212	Pucca	7.8		Tertiary Road	Widening	Access	20	34.62
AR-213	Katcha	5		Path	Widening	Access	12	38.56
AR-214	Katcha	5		Path	Widening	Access	12	57.35
AR-215	Katcha	5		Path	Widening	Access	12	37.03
TR-216	Katcha	6		Tertiary Road	Widening	Tertiary	40	360.19
AR-217	Katcha	5		Tertiary Road	Widening	Access	20	28.60
SR-218	Pucca	5		Tertiary Road	Widening	Secondary	60	141.70
TR-219	Katcha	5		Tertiary Road	Widening	Tertiary	40	102.05
PR-220	Pucca	18	Barisal Mathbariya Patharghata Maha Road	Primary Road	Widening	Primary	80	1175.49
AR-221	Katcha	6		Tertiary Road	Widening	Access	20	25.12
SR-222	Pucca	9	Hatempur Road	Tertiary Road	Widening	Secondary	60	313.35
AR-223	Katcha	7		Path	Widening	Access	12	35.30
TR-224	Katcha	5		Tertiary Road	Widening	Tertiary	40	39.29
AR-225	Katcha	5		Path	Widening	Access	12	32.79
AR-226	Pucca	6		Tertiary Road	Widening	Access	20	61.69
AR-227	Katcha	5		Path	Widening	Access	12	44.90
TR-228	Pucca	7.3		Tertiary Road	Widening	Tertiary	40	126.20
AR-229	Semi Pucca	3		Tertiary Road	Widening	Access	20	107.59
AR-230	Katcha	6		Tertiary Road	Widening	Access	20	71.64
AR-231	Katcha	5		Tertiary Road	Widening	Access	20	29.79
AR-232	Katcha	5		Tertiary Road	Widening	Access	20	30.78
AR-234	Katcha	5		Tertiary Road	Widening	Access	20	27.45
AR-235	Semi Pucca	4		Path	Widening	Access	12	55.03
AR-236	Katcha	5		Path	Widening	Access	12	60.03

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-237	Semi Pucca	4		Tertiary Road	Widening	Access	20	52.40
AR-238	Katcha	5		Path	Widening	Access	12	49.66
TR-239	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	156.21
SR-240	Pucca	15	Wabda Road	Tertiary Road	Widening	Secondary	60	106.90
AR-241	Semi Pucca	5		Path	Widening	Access	12	79.13
TR-242	Katcha	6		Tertiary Road	Widening	Tertiary	40	246.36
AR-243	Semi Pucca	5		Path	Widening	Access	12	44.75
AR-244	Semi Pucca	5		Path	Widening	Access	12	36.82
AR-245	Katcha	5		Tertiary Road	Widening	Access	20	119.98
AR-246	Pucca	12		Path	Widening	Access	12	14.08
AR-247	Katcha	5		Tertiary Road	Widening	Access	20	21.38
AR-248	Katcha	4		Tertiary Road	Widening	Access	20	73.05
TR-249	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	75.73
AR-250	Pucca	7		Tertiary Road	Widening	Access	20	40.80
TR-251	Katcha	5		Tertiary Road	Widening	Tertiary	40	68.27
TR-252	Semi Pucca	10		Tertiary Road	Widening	Tertiary	10	36.68
AR-253	Pucca	6		Tertiary Road	Widening	Access	20	15.56
SR-254	Pucca	8.6		Secondary Road	Widening	Secondary	60	255.03
TR-255	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	322.37
AR-256	Katcha	5		Path	Widening	Access	12	32.80
TR-257	Katcha	5.5		Tertiary Road	Widening	Tertiary	40	56.49
AR-258	Katcha	4		Path	Widening	Access	12	27.07
TR-259	Pucca	8.1		Tertiary Road	Widening	Tertiary	40	109.08
TR-260	Katcha	6.5		Tertiary Road	Widening	Tertiary	40	243.96
AR-261	Katcha	4		Path	Widening	Access	12	30.05
AR-262	Katcha	5		Tertiary Road	Widening	Access	20	102.45
TR-263	Pucca	6		Tertiary Road	Widening	Tertiary	40	81.28
AR-264	Semi Pucca	6		Tertiary Road	Widening	Access	20	26.85
AR-265	Katcha	2		Tertiary Road	Widening	Access	20	21.09
TR-266	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	62.32
AR-267	Pucca	4		Tertiary Road	Widening	Access	20	59.27
TR-268	Katcha	3		Tertiary Road	Widening	Tertiary	40	73.02
AR-269	Semi Pucca	3		Path	Widening	Access	12	47.75
AR-270	Pucca	6		Tertiary Road	Widening	Access	20	39.63
SR-271	Semi Pucca	7		Tertiary Road	Widening	Secondary	60	105.00
AR-272	Pucca	9		Tertiary Road	Widening	Access	20	65.07
AR-	Katcha	5		Tertiary Road	Widening	Access	20	18.81

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
273								
AR-274	Semi Pucca	11		Tertiary Road	Widening	Access	20	37.43
AR-275	Semi Pucca	5		Tertiary Road	Widening	Access	20	59.88
AR-276	Katcha	6		Path	Widening	Access	12	68.37
TR-277	Katcha	5		Tertiary Road	Widening	Tertiary	40	25.36
AR-278	Katcha	5		Path	Widening	Access	12	24.61
AR-279	Semi Pucca	5		Tertiary Road	Widening	Access	20	42.54
TR-280	Katcha	3		Tertiary Road	Widening	Tertiary	40	171.74
TR-281	Semi Pucca	7		Tertiary Road	Widening	Tertiary	40	282.41
TR-282	Semi Pucca	5.6		Tertiary Road	Widening	Tertiary	40	51.36
AR-283	Katcha	4		Tertiary Road	Widening	Access	20	119.83
AR-284	Semi Pucca	5		Path	Widening	Access	12	27.21
AR-285	Katcha	3		Path	Widening	Access	3	29.82
TR-286	Semi Pucca	10		Tertiary Road	Widening	Tertiary	40	92.75
AR-287	Katcha	4		Tertiary Road	Widening	Access	20	31.10
TR-288	Katcha	8		Tertiary Road	Widening	Tertiary	40	13.46
AR-289	Semi Pucca	5		Path	Widening	Access	12	15.52
AR-290	Katcha	2		Path	Widening	Access	12	69.64
AR-291	Pucca	12		Path	Widening	Access	12	17.82
AR-292	Semi Pucca	4		Path	Widening	Access	12	18.20
TR-293	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	68.58
AR-294	Semi Pucca	4		Tertiary Road	Widening	Access	20	46.68
AR-295	Semi Pucca	8		Path	Widening	Access	12	33.95
TR-296	Pucca	8		Tertiary Road	Widening	Tertiary	40	157.05
AR-297	Semi Pucca	5		Tertiary Road	Widening	Access	20	30.65
TR-298	Katcha	5		Tertiary Road	Widening	Tertiary	40	32.75
TR-299	Pucca	7.2		Secondary Road	Widening	Tertiary	40	125.95
AR-300	Katcha	8		Path	Widening	Access	12	41.29
AR-301	Katcha	3		Tertiary Road	Widening	Access	20	28.87
AR-302	Katcha	4	Bamer Road	Path	Widening	Access	12	26.58
SR-303	Semi Pucca	8.5		Tertiary Road	Widening	Secondary	60	636.79
AR-305	Pucca	12		Tertiary Road	Widening	Access	20	6.13
TR-306	Katcha	7		Tertiary Road	Widening	Tertiary	40	352.52
AR-307	Katcha	5		Tertiary Road	Widening	Access	20	79.00
AR-308	Pucca	10		Path	Widening	Access	12	70.58
SR-309	Pucca	10		Tertiary Road	Widening	Secondary	60	967.81

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-310	Semi Pucca	6		Path	Widening	Access	12	15.41
AR-311	Semi Pucca	6		Tertiary Road	Widening	Access	20	32.24
AR-312	Katcha	3		Tertiary Road	Widening	Access	20	37.96
SR-313	Pucca	10	Hall Road	Secondary Road	Widening	Secondary	60	1126.03
AR-314	Katcha	5		Path	Widening	Access	12	99.83
AR-315	Semi Pucca	3		Tertiary Road	Widening	Access	20	48.05
AR-316	Pucca	5		Path	Widening	Access	12	17.05
AR-317	Katcha	3.6		Tertiary Road	Widening	Access	20	121.22
SR-318	Pucca	8		Tertiary Road	Widening	Secondary	60	296.14
AR-319	Katcha	4		Tertiary Road	Widening	Access	20	91.04
SR-320	Semi Pucca	8.8	Boro Patharghata Road	Tertiary Road	Widening	Secondary	60	733.97
AR-321	Katcha	3		Tertiary Road	Widening	Access	20	94.33
TR-322	Pucca	10	New Markatcha et Road	Secondary Road	Widening	Tertiary	10	60.46
AR-323	Katcha	5		Path	Widening	Access	12	33.72
AR-324	Katcha	6		Path	Widening	Access	12	46.71
TR-325	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	157.41
AR-326	Katcha	4		Tertiary Road	Widening	Access	20	80.08
AR-327	Semi Pucca	5.6		Path	Widening	Access	12	13.26
AR-328	Katcha	5		Path	Widening	Access	12	19.40
TR-329	Pucca	5		Tertiary Road	Widening	Tertiary	40	87.02
AR-330	Semi Pucca	5		Tertiary Road	Widening	Access	20	68.64
AR-331	Katcha	7		Tertiary Road	Widening	Access	20	32.14
AR-332	Semi Pucca	5.5		Tertiary Road	Widening	Access	20	75.20
AR-333	Pucca	10		Tertiary Road	Widening	Access	10	61.41
TR-334	Pucca	8		Tertiary Road	Widening	Tertiary	40	23.71
AR-335	Pucca	10		Path	Widening	Access	12	34.53
TR-336	Pucca	19		Secondary Road	Widening	Tertiary	19	154.04
SR-337	Semi Pucca	7		Tertiary Road	Widening	Secondary	60	643.83
AR-338	Katcha	4		Path	Widening	Access	12	25.95
AR-339	Pucca	8		Tertiary Road	Widening	Access	20	22.37
AR-340	Katcha	5		Path	Widening	Access	12	64.90
AR-	Katcha	5		Tertiary Road	Widening	Access	20	100.72

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
341								
AR-342	Katcha	4		Path	Widening	Access	12	39.87
TR-343	Pucca	10		Tertiary Road	Widening	Tertiary	40	100.35
AR-344	Pucca	8		Path	Widening	Access	12	8.41
TR-345	Semi Pucca	4		Tertiary Road	Widening	Tertiary	40	66.80
AR-346	Pucca	15		Tertiary Road	Widening	Access	20	9.98
SR-347	Katcha	10		Tertiary Road	Widening	Secondary	60	306.72
AR-348	Katcha	4		Tertiary Road	Widening	Access	20	11.15
AR-349	Katcha	5		Path	Widening	Access	12	25.11
SR-350	Pucca	9	Hatempur Road	Tertiary Road	Widening	Secondary	60	358.52
TR-351	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	149.28
TR-352	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	320.80
TR-353	Semi Pucca	7		Tertiary Road	Widening	Tertiary	40	46.36
SR-354	Pucca	10		Tertiary Road	Widening	Secondary	60	380.15
TR-355	Pucca	6		Tertiary Road	Widening	Tertiary	40	86.85
TR-356	Semi Pucca	12		Secondary Road	Widening	Tertiary	40	42.18
AR-357	Semi Pucca	6		Path	Widening	Access	12	15.01
AR-358	Katcha	5		Path	Widening	Access	12	62.84
AR-359	Pucca	10		Path	Widening	Access	12	38.60
SR-360	Pucca	12	Anowar Hossen Road	Secondary Road	Widening	Secondary	60	159.60
AR-361	Semi Pucca	5		Tertiary Road	Widening	Access	20	30.68
SR-362	Pucca	9		Tertiary Road	Widening	Secondary	60	170.40
TR-363	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	605.20
TR-364	Katcha	5		Tertiary Road	Widening	Tertiary	40	39.57
AR-365	Semi Pucca	6		Tertiary Road	Widening	Access	20	114.34
AR-366	Katcha	5		Path	Widening	Access	12	69.73
AR-367	Katcha	5		Path	Widening	Access	12	15.84
AR-368	Pucca	10		Tertiary Road	Widening	Access	20	22.48
AR-369	Semi Pucca	8		Tertiary Road	Widening	Access	20	56.56
AR-370	Semi Pucca	2.6		Tertiary Road	Widening	Access	20	41.58
AR-371	Katcha	7		Path	Widening	Access	12	39.44
TR-372	Katcha	4		Tertiary Road	Widening	Tertiary	40	69.71
AR-373	Katcha	5		Path	Widening	Access	12	31.99
AR-374	Katcha	4		Tertiary Road	Widening	Access	20	126.37
AR-375	Semi Pucca	5		Tertiary Road	Widening	Access	20	38.15

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
SR-376	Semi Pucca	8		Tertiary Road	Widening	Secondary	60	32.45
AR-377	Katcha	5		Path	Widening	Access	12	65.72
AR-378	Pucca	5		Tertiary Road	Widening	Access	20	35.71
TR-379	Pucca	8		Secondary Road	Widening	Tertiary	8	69.85
SR-380	Pucca	8		Tertiary Road	Widening	Secondary	60	432.13
AR-381	Pucca	8		Tertiary Road	Widening	Access	20	48.60
TR-382	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	156.42
AR-383	Katcha	4		Tertiary Road	Widening	Access	20	65.47
AR-384	Katcha	4		Path	Widening	Access	12	61.20
AR-385	Katcha	4		Tertiary Road	Widening	Access	20	62.76
TR-386	Semi Pucca	6.8		Tertiary Road	Widening	Tertiary	40	213.12
AR-387	Katcha	5		Tertiary Road	Widening	Access	20	52.39
AR-388	Katcha	7		Tertiary Road	Widening	Access	20	60.45
AR-389	Semi Pucca	5		Tertiary Road	Widening	Access	20	48.80
AR-390	Katcha	4		Tertiary Road	Widening	Access	20	76.22
TR-391	Pucca	10		Secondary Road	Widening	Tertiary	10	69.99
AR-392	Semi Pucca	7		Path	Widening	Access	12	16.54
SR-393	Semi Pucca	10		Tertiary Road	Widening	Secondary	60	72.79
AR-394	Semi Pucca	5		Tertiary Road	Widening	Access	20	55.82
AR-395	Semi Pucca	9		Tertiary Road	Widening	Access	12	21.47
SR-396	Semi Pucca	8		Tertiary Road	Widening	Secondary	60	168.96
SR-397	Pucca	12	Hospital Road	Secondary Road	Widening	Secondary	60	106.96
TR-398	Katcha	7		Tertiary Road	Widening	Tertiary	40	190.79
TR-399	Pucca	4		Tertiary Road	Widening	Tertiary	40	37.94
AR-400	Pucca	12		Tertiary Road	Widening	Access	20	55.50
AR-401	Katcha	5		Path	Widening	Access	12	36.86
AR-402	Katcha	4		Tertiary Road	Widening	Access	20	17.25
AR-403	Katcha	5		Path	Widening	Access	12	33.24
AR-404	Katcha	5		Path	Widening	Access	12	28.10
TR-405	Pucca	6.8		Tertiary Road	Widening	Tertiary	40	99.69
AR-406	Katcha	5		Path	Widening	Access	12	26.94
AR-407	Pucca	15		Tertiary Road	Widening	Access	20	84.84
AR-408	Katcha	3		Path	Widening	Access	12	41.92
AR-	Katcha	5		Path	Widening	Access	12	24.86

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
409								
TR-410	Katcha	6		Path	Widening	Tertiary	40	25.32
AR-411	Katcha	5		Path	Widening	Access	12	72.77
TR-412	Semi Pucca	7		Tertiary Road	Widening	Tertiary	40	51.72
TR-413	Pucca	8		Tertiary Road	Widening	Tertiary	40	177.52
SR-414	Pucca	11	Iman Ali Road	Tertiary Road	Widening	Secondary	60	547.52
AR-415	Katcha	5		Path	Widening	Access	12	38.00
AR-416	Pucca	3		Path	Widening	Access	12	33.38
AR-417	Katcha	5		Path	Widening	Access	12	40.92
TR-418	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	132.38
AR-419	Pucca	8		Tertiary Road	Widening	Access	20	20.16
AR-420	Katcha	5		Tertiary Road	Widening	Access	20	59.78
PR-421	Katcha	7		Tertiary Road	Widening	Primary	80	89.16
AR-422	Katcha	6		Path	Widening	Access	12	32.01
AR-423	Pucca	12		Path	Widening	Access	12	15.99
AR-424	Katcha	4		Path	Widening	Access	12	62.27
SR-425	Semi Pucca	12	Wabda Road	Secondary Road	Widening	Secondary	60	462.47
TR-426	Semi Pucca	4.5		Tertiary Road	Widening	Tertiary	40	87.08
TR-427	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	151.16
AR-428	Katcha	7		Tertiary Road	Widening	Access	20	119.00
AR-429	Katcha	5		Path	Widening	Access	20	14.92
AR-430	Pucca	8		Tertiary Road	Widening	Access	20	18.71
AR-431	Pucca	5		Path	Widening	Access	12	29.63
AR-432	Katcha	6		Path	Widening	Access	12	31.22
AR-433	Katcha	6		Tertiary Road	Widening	Access	20	38.40
AR-434	Katcha	5		Path	Widening	Access	12	57.30
AR-435	Pucca	10		Tertiary Road	Widening	Access	20	13.76
TR-436	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	71.05
AR-437	Pucca	7		Tertiary Road	Widening	Access	20	10.24
AR-438	Katcha	7		Path	Widening	Access	12	15.58
TR-439	Pucca	6.6		Tertiary Road	Widening	Tertiary	40	49.30
AR-440	Pucca	6		Tertiary Road	Widening	Access	20	27.70
AR-441	Katcha	5		Path	Widening	Access	12	62.28
AR-442	Semi Pucca	5		Tertiary Road	Widening	Access	20	17.95
TR-443	Katcha	5		Tertiary Road	Widening	Tertiary	40	257.42
AR-	Pucca	5		Tertiary Road	Widening	Access	20	52.23

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
444								
TR-445	Katcha	5		Tertiary Road	Widening	Tertiary	40	187.24
TR-446	Pucca	8		Tertiary Road	Widening	Tertiary	40	232.06
AR-447	Katcha	2		Tertiary Road	Widening	Access	20	16.10
AR-448	Katcha	6		Tertiary Road	Widening	Access	20	92.95
AR-449	Katcha	5		Path	Widening	Access	12	16.53
AR-450	Katcha	6		Tertiary Road	Widening	Access	20	124.60
AR-451	Semi Pucca	5.6		Tertiary Road	Widening	Access	20	40.44
TR-452	Pucca	6		Tertiary Road	Widening	Tertiary	40	15.52
TR-453	Katcha	5		Tertiary Road	Widening	Tertiary	40	183.50
AR-454	Pucca	8		Tertiary Road	Widening	Access	20	8.69
AR-455	Katcha	3		Tertiary Road	Widening	Access	20	35.37
AR-456	Katcha	3		Tertiary Road	Widening	Access	20	47.85
SR-457	Semi Pucca	8		Tertiary Road	Widening	Secondary	60	243.24
TR-458	Katcha	5		Tertiary Road	Widening	Tertiary	40	116.02
AR-459	Katcha	8		Tertiary Road	Widening	Access	20	38.40
AR-460	Pucca	5		Path	Widening	Access	12	43.75
TR-461	Katcha	5		Tertiary Road	Widening	Tertiary	40	68.06
TR-462	Katcha	6		Tertiary Road	Widening	Tertiary	40	40.25
TR-463	Semi Pucca	7		Tertiary Road	Widening	Tertiary	40	44.85
AR-464	Katcha	5		Path	Widening	Access	12	108.69
AR-465	Semi Pucca	5		Path	Widening	Access	12	16.20
AR-466	Katcha	3		Tertiary Road	Widening	Access	20	23.77
AR-467	Katcha	3		Path	Widening	Access	12	32.85
TR-468	Semi Pucca	7		Tertiary Road	Widening	Tertiary	40	68.80
AR-469	Semi Pucca	6		Tertiary Road	Widening	Access	20	31.32
AR-470	Katcha	6		Tertiary Road	Widening	Access	20	27.26
SR-471	Pucca	10		Tertiary Road	Widening	Secondary	60	446.02
TR-472	Katcha	8		Tertiary Road	Widening	Tertiary	40	331.35
TR-473	Pucca	12		Tertiary Road	Widening	Tertiary	40	197.33
AR-474	Katcha	6		Path	Widening	Access	12	29.90
TR-475	Pucca	11.3		Secondary Road	Widening	Tertiary	12	68.92
AR-476	Pucca	5		Tertiary Road	Widening	Access	20	39.17
TR-477	Katcha	5		Tertiary Road	Widening	Tertiary	40	49.18
AR-478	Semi Pucca	5		Tertiary Road	Widening	Access	20	35.52
AR-479	Katcha	7		Path	Widening	Access	12	44.03
AR-480	Semi Pucca	5		Tertiary Road	Widening	Access	12	16.11

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
PR-481	Pucca	12	Barisal Mathbariya Patharghata Maha Road	Primary Road	Widening	Primary	80	732.40
AR-482	Katcha	5.5		Tertiary Road	Widening	Access	20	95.05
TR-483	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	27.28
AR-484	Semi Pucca	5		Tertiary Road	Widening	Access	20	89.88
TR-485	Semi Pucca	8.1		Tertiary Road	Widening	Tertiary	40	450.42
AR-486	Pucca	6		Tertiary Road	Widening	Access	20	61.21
AR-487	Katcha	4		Tertiary Road	Widening	Access	20	47.15
SR-488	Katcha	5		Tertiary Road	Widening	Secondary	60	271.23
AR-489	Katcha	5		Path	Widening	Access	12	40.47
AR-490	Katcha	5		Path	Widening	Access	12	45.72
AR-491	Katcha	4		Tertiary Road	Widening	Access	20	7.38
TR-492	Katcha	5		Tertiary Road	Widening	Tertiary	40	42.27
AR-493	Katcha	5		Path	Widening	Access	12	27.57
TR-494	Pucca	8		Tertiary Road	Widening	Tertiary	40	83.80
AR-495	Semi Pucca	5		Path	Widening	Access	12	20.49
SR-496	Pucca	10		Secondary Road	Widening	Secondary	60	25.06
AR-497	Pucca	4		Tertiary Road	Widening	Access	20	30.18
AR-498	Semi Pucca	6		Tertiary Road	Widening	Access	20	29.26
TR-499	Katcha	5		Tertiary Road	Widening	Tertiary	40	102.21
AR-500	Katcha	4		Path	Widening	Access	12	64.56
AR-501	Katcha	6		Path	Widening	Access	12	36.49
TR-502	Katcha	7	Achor Uddin Road	Tertiary Road	Widening	Tertiary	40	303.81
AR-503	Semi Pucca	5		Path	Widening	Access	20	46.40
SR-504	Pucca	10	Dighir Par Road	Tertiary Road	Widening	Secondary	60	173.00
SR-505	Semi Pucca	12		Tertiary Road	Widening	Secondary	60	158.61
TR-506	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	215.71
AR-507	Katcha	7		Path	Widening	Access	12	60.68
TR-508	Katcha	4		Tertiary Road	Widening	Tertiary	40	144.41
TR-509	Katcha	6		Tertiary Road	Widening	Tertiary	40	92.34
TR-510	Katcha	5		Path	Widening	Tertiary	40	30.19
AR-511	Katcha	7		Path	Widening	Access	12	65.91
TR-512	Pucca	14		Tertiary Road	Widening	Tertiary	40	380.39
SR-513	Pucca	13		Secondary Road	Widening	Secondary	60	215.21
TR-514	Semi Pucca	5		Path	Widening	Tertiary	40	53.96

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-515	Semi Pucca	5		Path	Widening	Access	12	20.31
AR-516	Semi Pucca	12		Tertiary Road	Widening	Access	20	56.86
AR-517	Semi Pucca	5		Tertiary Road	Widening	Access	20	185.04
TR-518	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	94.00
TR-519	Katcha	7		Tertiary Road	Widening	Tertiary	40	130.85
TR-520	Pucca	7	Grameen Bankatcha Road	Tertiary Road	Widening	Tertiary	40	251.39
AR-521	Semi Pucca	6		Path	Widening	Access	12	31.39
AR-522	Pucca	5		Path	Widening	Access	12	32.91
AR-523	Katcha	8		Tertiary Road	Widening	Access	20	89.77
AR-524	Semi Pucca	5		Path	Widening	Access	20	47.81
TR-525	Katcha	5		Tertiary Road	Widening	Tertiary	40	74.72
AR-526	Semi Pucca	7		Path	Widening	Access	12	36.16
SR-527	Pucca	10	Hazi Jalal Uddin Mahila Degree College	Tertiary Road	Widening	Secondary	60	151.20
SR-528	Semi Pucca	8		Tertiary Road	Widening	Secondary	60	199.94
TR-529	Katcha	2		Tertiary Road	Widening	Tertiary	40	130.79
AR-530	Katcha	8		Path	Widening	Access	12	55.24
AR-531	Semi Pucca	6		Tertiary Road	Widening	Access	20	41.89
TR-532	Katcha	6		Tertiary Road	Widening	Tertiary	40	183.92
AR-533	Katcha	8		Path	Widening	Access	12	38.58
TR-534	Semi Pucca	7		Tertiary Road	Widening	Tertiary	40	181.01
AR-535	Pucca	10		Tertiary Road	Widening	Access	20	32.93
AR-536	Katcha	5		Path	Widening	Access	12	18.69
AR-537	Semi Pucca	10		Tertiary Road	Widening	Access	20	11.55
SR-538	Semi Pucca	6		Tertiary Road	Widening	Secondary	60	768.46
TR-539	Pucca	10		Tertiary Road	Widening	Tertiary	40	102.11
TR-540	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	104.30
AR-541	Semi Pucca	8		Tertiary Road	Widening	Access	20	33.27
AR-542	Katcha	5		Tertiary Road	Widening	Access	20	70.51
TR-543	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	75.73
AR-544	Semi Pucca	5		Path	Widening	Access	12	22.27
AR-545	Katcha	5		Path	Widening	Access	12	37.67
AR-546	Semi Pucca	5.5		Tertiary Road	Widening	Access	20	48.59
AR-547	Katcha	5		Path	Widening	Access	12	29.93
TR-548	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	40.17

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-549	Semi Pucca	5		Tertiary Road	Widening	Access	20	73.97
AR-550	Katcha	5		Tertiary Road	Widening	Access	20	64.36
TR-551	Katcha	10		Tertiary Road	Widening	Tertiary	40	459.74
AR-552	Katcha	5		Path	Widening	Access	12	68.12
AR-553	Katcha	5		Tertiary Road	Widening	Access	20	46.81
AR-554	Katcha	3		Tertiary Road	Widening	Access	20	220.69
SR-555	Pucca	12	Hospital Road	Secondary Road	Widening	Secondary	60	10.84
AR-556	Katcha	5		Path	Widening	Access	12	0.00
TR-557	Semi Pucca	3		Tertiary Road	Widening	Tertiary	40	35.10
AR-558	Katcha	4		Path	Widening	Access	12	27.77
AR-559	Pucca	10		Tertiary Road	Widening	Access	20	18.17
AR-560	Katcha	4		Path	Widening	Access	12	96.84
AR-561	Katcha	10		Tertiary Road	Widening	Access	20	58.78
AR-562	Katcha	6		Tertiary Road	Widening	Access	20	23.22
AR-563	Pucca	7		Tertiary Road	Widening	Access	20	14.59
SR-564	Pucca	23		Secondary Road	Widening	Secondary	23	132.98
AR-565	Katcha	5		Tertiary Road	Widening	Access	20	59.20
SR-566	Pucca	10	Jalam Katchaobir Road	Tertiary Road	Widening	Secondary	60	427.06
AR-567	Katcha	4		Path	Widening	Access	12	19.23
AR-568	Semi Pucca	4		Path	Widening	Access	12	39.23
AR-569	Semi Pucca	4		Tertiary Road	Widening	Access	20	28.71
TR-570	Katcha	5		Path	Widening	Tertiary	40	65.90
TR-571	Pucca	7.5	Ibrahim Road	Tertiary Road	Widening	Tertiary	40	363.06
TR-572	Katcha	4		Tertiary Road	Widening	Tertiary	40	62.35
SR-573	Pucca	8		Secondary Road	Widening	Secondary	60	89.91
AR-574	Katcha	9		Path	Widening	Access	12	44.80
TR-575	Katcha	5		Tertiary Road	Widening	Tertiary	40	326.43
AR-576	Pucca	9		Tertiary Road	Widening	Access	20	46.87
TR-577	Katcha	3		Tertiary Road	Widening	Tertiary	40	210.09
AR-578	Semi Pucca	6		Path	Widening	Access	12	72.24
AR-579	Katcha	7		Path	Widening	Access	12	63.10
AR-580	Katcha	7		Tertiary Road	Widening	Access	20	50.39
AR-581	Katcha	6		Tertiary Road	Widening	Access	20	27.82
AR-	Pucca	12		Path	Widening	Access	12	20.48

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
582								
AR-583	Katcha	5		Path	Widening	Access	12	26.61
AR-584	Katcha	5		Path	Widening	Access	12	29.52
SR-585	Pucca	12	Hospital Road	Secondary Road	Widening	Secondary	60	1729.05
AR-586	Pucca	3		Tertiary Road	Widening	Access	20	57.57
AR-587	Pucca	6		Tertiary Road	Widening	Access	20	15.16
TR-588	Katcha	10		Tertiary Road	Widening	Tertiary	40	157.23
AR-589	Pucca	7.1		Path	Widening	Access	12	49.55
AR-590	Katcha	6		Path	Widening	Access	12	85.17
AR-591	Semi Pucca	6		Tertiary Road	Widening	Access	20	63.66
AR-592	Katcha	4		Tertiary Road	Widening	Access	20	53.38
AR-593	Pucca	9		Tertiary Road	Widening	Access	20	54.33
SR-594	Pucca	12	Badc Road	Secondary Road	Widening	Secondary	60	1019.47
AR-595	Katcha	5		Path	Widening	Access	12	21.41
AR-596	Pucca	6		Tertiary Road	Widening	Access	20	23.91
SR-597	Pucca	8		Tertiary Road	Widening	Secondary	60	167.46
TR-598	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	90.38
SR-599	Semi Pucca	12		Secondary Road	Widening	Secondary	60	19.23
AR-600	Katcha	5		Tertiary Road	Widening	Access	20	20.11
AR-601	Katcha	6		Tertiary Road	Widening	Access	20	110.88
AR-602	Katcha	5		Tertiary Road	Widening	Access	20	46.46
AR-603	Semi Pucca	5		Tertiary Road	Widening	Access	20	100.01
AR-604	Katcha	5		Path	Widening	Access	12	17.32
TR-605	Pucca	8	Katchag School Road	Secondary Road	Widening	Tertiary	8	57.96
TR-606	Katcha	5		Tertiary Road	Widening	Tertiary	40	23.54
AR-607	Katcha	5		Tertiary Road	Widening	Access	20	151.09
AR-608	Katcha	5		Tertiary Road	Widening	Access	20	85.63
AR-609	Katcha	4		Tertiary Road	Widening	Access	20	30.11
SR-610	Semi Pucca	13	Hatempur Road	Tertiary Road	Widening	Secondary	60	219.57
TR-611	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	95.56
AR-612	Semi Pucca	6		Tertiary Road	Widening	Access	20	44.74
TR-613	Katcha	5		Tertiary Road	Widening	Tertiary	40	28.98
AR-614	Katcha	9		Tertiary Road	Widening	Access	20	15.77
AR-	Semi Pucca	10		Tertiary Road	Widening	Access	20	28.44

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
615								
AR-616	Semi Pucca	4		Tertiary Road	Widening	Access	20	41.00
TR-617	Pucca	8		Tertiary Road	Widening	Tertiary	40	248.46
TR-618	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	281.39
AR-619	Semi Pucca	6		Tertiary Road	Widening	Access	20	139.38
AR-620	Pucca	7.9		Tertiary Road	Widening	Access	20	42.45
TR-621	Katcha	6		Tertiary Road	Widening	Tertiary	40	215.13
AR-622	Katcha	3		Tertiary Road	Widening	Access	20	45.87
TR-623	Pucca	11		Tertiary Road	Widening	Tertiary	40	155.32
TR-624	Semi Pucca	12		Tertiary Road	Widening	Tertiary	40	31.50
TR-625	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	52.73
TR-626	Semi Pucca	2.6		Tertiary Road	Widening	Tertiary	40	22.07
AR-627	Katcha	5		Path	Widening	Access	12	36.57
TR-628	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	494.04
AR-629	Katcha	5		Tertiary Road	Widening	Access	20	120.58
SR-630	Pucca	12		Secondary Road	Widening	Secondary	60	23.10
AR-631	Semi Pucca	5		Path	Widening	Access	12	39.10
SR-632	Katcha	5		Tertiary Road	Widening	Secondary	60	130.51
TR-633	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	182.75
AR-634	Semi Pucca	7		Tertiary Road	Widening	Access	20	34.78
AR-635	Katcha	9		Tertiary Road	Widening	Access	20	138.61
AR-636	Semi Pucca	5		Tertiary Road	Widening	Access	20	91.84
AR-637	Katcha	5		Path	Widening	Access	12	32.31
AR-638	Katcha	3		Tertiary Road	Widening	Access	20	24.05
AR-639	Semi Pucca	5		Tertiary Road	Widening	Access	20	43.61
AR-640	Pucca	6		Path	Widening	Access	12	22.18
AR-641	Semi Pucca	5		Tertiary Road	Widening	Access	20	42.28
AR-642	Pucca	12		Tertiary Road	Widening	Access	20	10.19
AR-643	Katcha	4		Tertiary Road	Widening	Access	20	23.29
SR-644	Pucca	7		Tertiary Road	Widening	Secondary	60	571.51
AR-645	Katcha	6		Tertiary Road	Widening	Access	20	49.20
SR-646	Pucca	9	East Boroitola Road	Secondary Road	Widening	Secondary	60	420.08
TR-647	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	43.05
TR-648	Katcha	5		Tertiary Road	Widening	Tertiary	40	50.41
AR-649	Semi Pucca	6		Tertiary Road	Widening	Access	20	69.27
AR-650	Semi Pucca	3		Tertiary Road	Widening	Access	20	30.86

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
TR-651	Pucca	11		Tertiary Road	Widening	Tertiary	40	124.23
TR-652	Pucca	8		Tertiary Road	Widening	Tertiary	40	100.97
AR-653	Semi Pucca	6.2		Tertiary Road	Widening	Access	20	72.09
AR-654	Pucca	6		Tertiary Road	Widening	Access	20	71.09
SR-655	Katcha	7		Tertiary Road	Widening	Secondary	60	163.50
SR-656	Katcha	6		Tertiary Road	Widening	Secondary	60	268.04
TR-657	Pucca	10		Tertiary Road	Widening	Tertiary	40	212.18
TR-658	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	160.50
AR-659	Katcha	6		Tertiary Road	Widening	Access	20	56.64
AR-660	Semi Pucca	5		Tertiary Road	Widening	Access	20	82.01
AR-661	Katcha	4		Tertiary Road	Widening	Access	20	110.28
TR-662	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	227.78
SR-663	Pucca	11		Secondary Road	Widening	Secondary	60	241.16
AR-664	Pucca	7		Path	Widening	Access	12	33.06
AR-665	Katcha	6		Path	Widening	Access	12	67.59
AR-666	Semi Pucca	4		Path	Widening	Access	12	20.45
TR-667	Semi Pucca	5		Tertiary Road	Widening	Tertiary	40	84.71
TR-668	Katcha	3		Tertiary Road	Widening	Tertiary	40	182.64
AR-669	Katcha	8		Tertiary Road	Widening	Access	20	97.59
TR-670	Pucca	10		Tertiary Road	Widening	Tertiary	40	332.72
AR-671	Katcha	5		Path	Widening	Access	12	53.41
AR-672	Semi Pucca	8		Tertiary Road	Widening	Access	20	88.83
AR-673	Semi Pucca	5		Tertiary Road	Widening	Access	20	53.48
TR-674	Katcha	7		Tertiary Road	Widening	Tertiary	40	314.87
TR-675	Pucca	8		Tertiary Road	Widening	Tertiary	40	111.91
TR-676	Katcha	5		Tertiary Road	Widening	Tertiary	40	47.87
AR-677	Katcha	5		Path	Widening	Access	12	28.64
AR-678	Katcha	4		Path	Widening	Access	12	21.52
PR-679	Pucca	15	College Road	Primary Road	Widening	Primary	80	886.55
AR-680	Katcha	5		Tertiary Road	Widening	Access	20	24.70
TR-681	Katcha	6		Tertiary Road	Widening	Tertiary	40	228.05
AR-682	Katcha	3		Tertiary Road	Widening	Access	20	58.11
TR-683	Katcha	6		Path	Widening	Tertiary	40	51.28
TR-684	Katcha	10		Tertiary Road	Widening	Tertiary	40	0.00
TR-685	Semi Pucca	6.5		Tertiary Road	Widening	Tertiary	40	95.29
AR-686	Semi Pucca	1		Tertiary Road	Widening	Access	20	39.42
AR-687	Pucca	6		Tertiary Road	Widening	Access	20	40.10
SR-688	Pucca	8		Tertiary Road	Widening	Secondary	60	713.75

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
TR-689	Katcha	7		Tertiary Road	Widening	Tertiary	40	52.97
AR-690	Semi Pucca	2.8		Path	Widening	Access	12	48.24
AR-691	Semi Pucca	5		Tertiary Road	Widening	Access	20	49.67
AR-692	Semi Pucca	5		Tertiary Road	Widening	Access	20	77.20
AR-693	Semi Pucca	2		Tertiary Road	Widening	Access	20	37.13
AR-694	Semi Pucca	10		Path	Widening	Access	12	19.61
AR-695	Katcha	5		Path	Widening	Access	12	48.31
AR-696	Semi Pucca	10		Tertiary Road	Widening	Access	20	13.78
AR-697	Katcha	8		Path	Widening	Access	12	54.66
SR-698	Semi Pucca	8		Tertiary Road	Widening	Secondary	60	27.89
AR-699	Semi Pucca	6		Tertiary Road	Widening	Access	20	43.13
AR-700	Katcha	4		Tertiary Road	Widening	Access	20	104.50
TR-701	Katcha	5		Tertiary Road	Widening	Tertiary	40	0.00
AR-702	Katcha	6		Path	Widening	Access	12	73.24
AR-703	Pucca	5		Path	Widening	Access	12	33.87
AR-704	Katcha	5		Path	Widening	Access	12	22.44
AR-705	Semi Pucca	6		Path	Widening	Access	12	38.07
AR-706	Katcha	5		Path	Widening	Access	12	78.06
TR-707	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	40.56
AR-708	Semi Pucca	3		Path	Widening	Access	12	64.40
AR-709	Katcha	5		Path	Widening	Access	12	30.21
AR-710	Semi Pucca	3		Path	Widening	Access	12	37.15
TR-711	Katcha	5		Tertiary Road	Widening	Tertiary	40	80.52
AR-712	Semi Pucca	5		Tertiary Road	Widening	Access	20	52.89
AR-713	Katcha	5		Path	Widening	Access	12	28.56
AR-714	Semi Pucca	3		Path	Widening	Access	12	35.24
AR-715	Semi Pucca	6		Path	Widening	Access	12	44.27
AR-716	Semi Pucca	18		Tertiary Road	Widening	Access	20	44.05
TR-717	Semi Pucca	20		Tertiary Road	Widening	Tertiary	40	102.94
TR-718	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	76.52
AR-719	Katcha	3		Path	Widening	Access	12	103.47
TR-720	Pucca	5		Tertiary Road	Widening	Tertiary	40	85.41
AR-721	Pucca	10		Tertiary Road	Widening	Access	20	36.04
AR-722	Katcha	5		Path	Widening	Access	12	33.69

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-723	Katcha	3		Tertiary Road	Widening	Access	20	21.30
AR-724	Katcha	5		Path	Widening	Access	12	73.27
AR-725	Semi Pucca	7		Tertiary Road	Widening	Access	20	41.39
TR-726	Semi Pucca	4		Tertiary Road	Widening	Tertiary	40	44.55
TR-727	Katcha	5		Tertiary Road	Widening	Tertiary	40	308.51
TR-728	Semi Pucca	5.5		Tertiary Road	Widening	Tertiary	40	121.72
AR-729	Katcha	5		Path	Widening	Access	12	29.14
TR-730	Katcha	4.5		Tertiary Road	Widening	Tertiary	4.5	90.82
AR-731	Katcha	4		Tertiary Road	Widening	Access	20	32.33
SR-732	Pucca	15	Sadar Road	Secondary Road	Widening	Secondary	15	247.23
AR-733	Semi Pucca	5		Path	Widening	Access	12	45.66
AR-734	Semi Pucca	5		Path	Widening	Access	12	40.05
AR-735	Semi Pucca	5		Tertiary Road	Widening	Access	20	53.75
TR-736	Katcha	6		Tertiary Road	Widening	Tertiary	40	135.18
SR-737	Pucca	10	Katchahar a Kanda Road	Tertiary Road	Widening	Secondary	60	716.09
TR-738	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	89.49
AR-739	Katcha	6		Tertiary Road	Widening	Access	20	41.50
AR-740	Semi Pucca	5		Path	Widening	Access	12	17.76
TR-741	Katcha	5		Tertiary Road	Widening	Tertiary	40	138.06
SR-742	Katcha	15		Tertiary Road	Widening	Secondary	60	218.83
AR-743	Pucca	7		Tertiary Road	Widening	Access	20	56.50
AR-744	Katcha	5		Path	Widening	Access	12	47.71
TR-745	Pucca	6		Secondary Road	Widening	Tertiary	6	37.09
TR-746	Semi Pucca	8		Tertiary Road	Widening	Tertiary	40	301.57
TR-747	Katcha	5		Tertiary Road	Widening	Tertiary	40	174.21
AR-748	Katcha	5		Path	Widening	Access	12	67.60
TR-749	Pucca	12		Secondary Road	Widening	Tertiary	12	44.73
SR-750	Pucca	11	Wabda Road	Tertiary Road	Widening	Secondary	60	852.60
AR-751	Semi Pucca	8		Tertiary Road	Widening	Access	20	177.80
TR-752	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	408.63
AR-753	Katcha	3		Path	Widening	Access	12	70.22
AR-754	Semi Pucca	8		Path	Widening	Access	12	32.69
TR-755	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	406.03
AR-756	Semi Pucca	7		Tertiary Road	Widening	Access	20	47.53
AR-757	Katcha	5		Tertiary Road	Widening	Access	20	64.20
TR-758	Katcha	4		Path	Widening	Tertiary	40	197.45

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-759	Katcha	4		Tertiary Road	Widening	Access	20	38.48
AR-760	Katcha	5		Path	Widening	Access	12	49.55
TR-761	Pucca	10		Tertiary Road	Widening	Tertiary	40	91.69
AR-762	Katcha	5		Path	Widening	Access	12	28.58
TR-763	Pucca	12		Secondary Road	Widening	Tertiary	12	32.25
AR-764	Semi Pucca	4		Tertiary Road	Widening	Access	20	27.34
TR-765	Semi Pucca	6		Tertiary Road	Widening	Tertiary	40	76.47
AR-766	Katcha	5		Tertiary Road	Widening	Access	20	18.47
AR-767	Katcha	3.5		Tertiary Road	Widening	Access	20	31.18
TR-768	Katcha	9		Tertiary Road	Widening	Tertiary	40	146.82
AR-769	Katcha	4		Tertiary Road	Widening	Access	20	45.81
TR-770	Katcha	6		Tertiary Road	Widening	Tertiary	40	213.46
SR-771	Pucca	8		Secondary Road	Widening	Secondary	60	109.16
AR-772	Semi Pucca	5		Tertiary Road	Widening	Access	20	99.69
SR-773	Katcha	5		Tertiary Road	Widening	Secondary	60	256.78
AR-774	Katcha	7		Path	Widening	Access	12	33.73
AR-775	Pucca	3.5		Path	Widening	Access	12	27.23
AR-776	Semi Pucca	4		Path	Widening	Access	12	16.37
AR-777	Katcha	3.5		Path	Widening	Access	3.5	16.30
SR-778	Pucca	9	East Boroitola Road	Tertiary Road	Widening	Secondary	60	307.90
SR-779	Katcha	12	Lakatchaur Tola Road	Tertiary Road	Widening	Secondary	60	315.81
AR-780	Semi Pucca	7		Tertiary Road	Widening	Access	20	37.25
AR-781	Katcha	7		Tertiary Road	Widening	Access	20	148.03
AR-782	Semi Pucca	4		Tertiary Road	Widening	Access	20	81.41
AR-783	Semi Pucca	5		Tertiary Road	Widening	Access	20	52.28
AR-784	Katcha	3		Tertiary Road	Widening	Access	20	29.85
TR-785	Pucca	7		Tertiary Road	Widening	Tertiary	40	101.34
AR-786	Pucca	5		Tertiary Road	Widening	Access	20	28.81
AR-787	Pucca	5		Path	Widening	Access	12	20.61
AR-788	Pucca	6		Path	Widening	Access	12	52.77
AR-789	Katcha	3.5		Tertiary Road	Widening	Access	20	20.86
AR-790	Katcha	5		Path	Widening	Access	12	21.57
SR-	Pucca	11	Hospital	Secondary	Widening	Secondary	60	286.54

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
791			Road	Road				
AR-792	Pucca	13		Path	Widening	Access	12	16.12
AR-793	Katcha	7		Path	Widening	Access	12	48.87
AR-794	Pucca	7.5		Path	Widening	Access	12	27.45
AR-795	Katcha	5		Path	Widening	Access	12	47.16
AR-796	Katcha	6		Tertiary Road	Widening	Access	20	63.51
TR-797	Katcha	5		Path	Widening	Tertiary	40	82.10
AR-798	Katcha	5		Path	Widening	Access	12	32.47
AR-799	Pucca	9		Tertiary Road	Widening	Access	20	32.08
AR-800	Semi Pucca	5.6		Tertiary Road	Widening	Access	20	63.15
AR-801	Semi Pucca	6		Path	Widening	Access	12	40.60
AR-802	Pucca	8		Path	Widening	Access	12	38.40
TR-803	Semi Pucca	10.9		Tertiary Road	Widening	Tertiary	40	122.23
TR-804	Pucca	10		Tertiary Road	Widening	Tertiary	40	81.88
AR-805	Katcha	5		Tertiary Road	Widening	Access	20	37.82
AR-806	Katcha	4		Path	Widening	Access	12	60.82
AR-807	Semi Pucca	5		Path	Widening	Access	12	35.86
AR-808	Katcha	5		Tertiary Road	Widening	Access	20	57.42
AR-809	Katcha	5		Path	Widening	Access	12	46.21
AR-810	Katcha	5		Path	Widening	Access	12	22.39
AR-811	Katcha	5		Tertiary Road	Widening	Access	20	38.13
AR-812	Katcha	5		Path	Widening	Access	12	37.76
AR-813	Katcha	5		Path	Widening	Access	12	33.80
TR-814	Semi Pucca	5.6		Tertiary Road	Widening	Tertiary	40	94.58
TR-815	Pucca	13	Bfdc Road	Secondary Road	Widening	Tertiary	40	3.44
TR-816	Katcha	5		Tertiary Road	Widening	Tertiary	40	370.60
TR-817	Pucca	10		Secondary Road	Widening	Tertiary	10	20.92
AR-818	Katcha	3		Tertiary Road	Widening	Access	20	24.23
AR-819	Pucca	9		Tertiary Road	Widening	Access	20	26.33
TR-820	Pucca	7		Tertiary Road	Widening	Tertiary	40	21.33
AR-821	Katcha	5		Path	Widening	Access	12	19.17
AR-822	Pucca	12		Path	Widening	Access	12	15.52
AR-823	Katcha	5		Path	Widening	Access	12	30.21
AR-824	Semi Pucca	5		Path	Widening	Access	12	26.54

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
SR-825	Semi Pucca	8		Tertiary Road	Widening	Secondary	60	192.83
SR-826	Pucca	10		Tertiary Road	Widening	Secondary	60	140.78
AR-827	Semi Pucca	4		Tertiary Road	Widening	Access	20	20.16
TR-828	Semi Pucca	10		Tertiary Road	Widening	Tertiary	40	180.67
AR-829	Katcha	4		Tertiary Road	Widening	Access	20	65.16
TR-830	Katcha	4		Tertiary Road	Widening	Tertiary	40	128.97
TR-831	Katcha	9		Tertiary Road	Widening	Tertiary	40	580.72
AR-832	Pucca	11		Path	Widening	Access	12	65.99
AR-833	Semi Pucca	5		Tertiary Road	Widening	Access	20	66.70
TR-834	Katcha	4		Tertiary Road	Widening	Tertiary	40	86.89
TR-835	Pucca	10		Tertiary Road	Widening	Tertiary	40	169.81
AR-836	Katcha	5		Path	Widening	Access	12	19.15
AR-837	Pucca	5		Tertiary Road	Widening	Access	20	85.01
AR-838	Katcha	5		Path	Widening	Access	12	49.09
AR-839	Katcha	6		Path	Widening	Access	12	15.61
AR-840	Semi Pucca	5		Tertiary Road	Widening	Access	20	99.42
AR-841	Katcha	5		Tertiary Road	Widening	Access	20	40.75
AR-842	Katcha	4		Tertiary Road	Widening	Access	20	34.65
AR-843	Katcha	5		Path	Widening	Access	12	39.54
SR-844	Pucca	10		Tertiary Road	Widening	Secondary	60	864.49
AR-845	Katcha	5		Path	Widening	Access	12	20.26
AR-846	Pucca	19		Tertiary Road	Widening	Access	20	12.57
AR-847	Katcha	4		Path	Widening	Access	12	58.73
TR-850	Semi Pucca	9		Tertiary Road	Widening	Tertiary	40	126.46
AR-851	Katcha	5		Tertiary Road	Widening	Access	20	44.60
AR-852	Katcha	5		Tertiary Road	Widening	Access	20	32.88
TR-853	Semi Pucca	10		Tertiary Road	Widening	Tertiary	40	295.39
TR-854	Semi Pucca	10		Tertiary Road	Widening	Tertiary	40	46.73
TR-855	Semi Pucca	10		Tertiary Road	Widening	Tertiary	40	196.23
AR-856	Katcha	6		Path	Widening	Access	12	6.43
AR-857	Katcha	6		Path	Widening	Access	12	18.79
TR-858	Katcha	12		Tertiary Road	Widening	Tertiary	40	77.76
TR-859	Katcha	12		Tertiary Road	Widening	Tertiary	40	2.55
AR-860	Katcha	5		Path	Widening	Access	12	4.44
AR-861	Katcha	5		Path	Widening	Access	12	2.60
AR-862	Katcha	5		Path	Widening	Access	12	3.02

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
AR-863	Katcha	5		Path	Widening	Access	12	36.45
TR-864	Katcha	8		Tertiary Road	Widening	Tertiary	40	482.15
TR-865	Katcha	8		Tertiary Road	Widening	Tertiary	40	34.78
TR-866	Katcha	6		Tertiary Road	Widening	Tertiary	40	293.13
AR-867	Semi Pucca	4		Tertiary Road	Widening	Access	20	16.72
AR-868	Semi Pucca	4		Tertiary Road	Widening	Access	20	61.87
AR-882	Semi Pucca	10		Tertiary Road	Widening	Access	20	90.07
PR-883	Katcha	7		Tertiary Road	Widening	Primary	80	1081.91
AR-913	Semi Pucca	9		Tertiary Road	Widening	Access	20	25.48
AR-925	Semi Pucca	4		Tertiary Road	Widening	Access	20	41.77
AR-927	Semi Pucca	9		Tertiary Road	Widening	Access	20	69.88
AR-929	Semi Pucca	5		Tertiary Road	Widening	Access	20	15.59
AR-941	Pucca	4		Tertiary Road	Widening	Access	20	22.20
AR-948	Katcha	9		Tertiary Road	Widening	Access	20	19.98
TR-950	Katcha	5		Tertiary Road	Widening	Tertiary	40	150.88
AR-955	Pucca	10		Tertiary Road	Widening	Access	10	34.80
TR-956	Katcha	12		Tertiary Road	Widening	Tertiary	40	15.64

3.6.4 Proposals for New Road

To accommodate the traffic volumes about 10-15% land has been considered of total planning area. About 18.22 kilometers new roads have been proposed to ensure accessibility in the area. Summary of new road proposal has been shown in Table 7 details have been shown in the below. Proposed Road Network of Patharghata Paurashava has been presented on Figure 5.

Table- 8: Data Inventory of Proposed Road Network (New Road)

ID	Road Type	Existing Width (feet)	Name	Functional Category (Existing)	Status	Functional Category (Proposed)	Proposed Width (ft)	Length (m)
PR-148	Katcha	7		Tertiary Road	New Road	Primary	80	1913.38
TR-181	Semi Pucca	6		Tertiary Road	New Road	Tertiary	40	29.21
TR-198	Katcha	5		Tertiary Road	New Road	Tertiary	40	107.54
TR-233	Katcha	5		Tertiary Road	New Road	Tertiary	40	26.73
TR-304	Katcha	6		Tertiary Road	New Road	Tertiary	40	123.81
SR-848		0			New Road	Secondary	60	72.11
TR-849	Semi Pucca	5		Tertiary Road	New Road	Tertiary	40	119.23
TR-869		0			New Road	Tertiary	40	1747.58

TR-870		0			New Road	Tertiary	40	154.81
TR-871		0			New Road	Tertiary	40	200.99
TR-872		0			New Road	Tertiary	40	192.58
TR-873		0			New Road	Tertiary	40	123.67
TR-874		0			New Road	Tertiary	40	211.01
TR-875		0			New Road	Tertiary	40	233.40
TR-876		0			New Road	Tertiary	40	77.07
TR-877		0			New Road	Tertiary	40	97.84
SR-878		0			New Road	Secondary	60	161.07
TR-879		0			New Road	Tertiary	40	196.12
TR-880		0			New Road	Tertiary	40	222.83
TR-881		0			New Road	Tertiary	40	298.09
TR-884		0			New Road	Tertiary	40	807.55
TR-885		0			New Road	Tertiary	40	99.68
TR-886		0			New Road	Tertiary	40	297.88
TR-887		0			New Road	Tertiary	40	124.97
TR-888		0			New Road	Tertiary	40	248.81
TR-889		0			New Road	Tertiary	40	192.47
TR-890		0			New Road	Tertiary	40	337.19
TR-891		0			New Road	Tertiary	40	146.66
TR-892		0			New Road	Tertiary	40	233.69
TR-893		0			New Road	Tertiary	40	167.42
TR-894		0			New Road	Tertiary	40	158.13
TR-895		0			New Road	Tertiary	40	70.14
TR-896		0			New Road	Tertiary	40	19.44
TR-897		0			New Road	Tertiary	40	383.08
TR-898		0			New Road	Tertiary	40	123.63
TR-899	Katcha	4		Tertiary Road	New Road	Tertiary	40	41.45
TR-900		0			New Road	Tertiary	40	37.30
TR-901		0			New Road	Tertiary	40	83.95
TR-902		0			New Road	Tertiary	40	213.32
TR-903		0			New Road	Tertiary	40	92.98
TR-904		0			New Road	Tertiary	40	180.73
TR-905		0			New Road	Tertiary	40	41.28
TR-906		0			New Road	Tertiary	40	209.91
TR-907		0			New Road	Tertiary	40	97.85
TR-908		0			New Road	Tertiary	40	210.58
TR-909		0			New Road	Tertiary	40	391.22
TR-910		0			New Road	Tertiary	40	131.01
TR-911		0			New Road	Tertiary	40	232.90
TR-912		0			New Road	Tertiary	40	104.16
TR-914		0			New Road	Tertiary	40	137.28
TR-915		0			New Road	Tertiary	40	140.45
TR-916		0			New Road	Tertiary	40	244.83
TR-917		0			New Road	Tertiary	40	182.13
TR-918		0			New Road	Tertiary	40	88.48
AR-919		0			New Road	Access	20	270.36
AR-920		0			New Road	Access	20	259.65
AR-921		0			New Road	Access	20	174.21
TR-922		0			New Road	Tertiary	40	129.05
TR-923	Semi Pucca	5		Tertiary Road	New Road	Tertiary	40	53.17
TR-924		0			New Road	Tertiary	40	23.09
TR-926		0			New Road	Tertiary	40	52.29
TR-928	Semi Pucca	7		Tertiary Road	New Road	Tertiary	40	47.60
TR-930		0			New Road	Tertiary	40	83.21
TR-931		0			New Road	Tertiary	40	303.12
TR-932		0			New Road	Tertiary	40	229.10
TR-933		0			New Road	Tertiary	40	128.56
TR-934		0			New Road	Tertiary	40	52.18
AR-935		0			New Road	Access	20	103.95
AR-936		0			New Road	Access	20	110.35

TR-937	0			New Road	Tertiary	40	762.80
TR-938	0			New Road	Tertiary	40	792.56
TR-939	0			New Road	Tertiary	40	318.98
AR-940	0			New Road	Access	20	208.21
TR-942	0			New Road	Tertiary	40	290.17
AR-943	0			New Road	Access	20	91.61
TR-944	0			New Road	Tertiary	40	235.76
TR-945	0			New Road	Tertiary	40	190.12
TR-946	0			New Road	Tertiary	40	223.54
TR-947	0			New Road	Tertiary	40	68.53
TR-949	0			New Road	Tertiary	40	90.38
AR-951	0			New Road	Access	20	80.89
AR-952	0			New Road	Access	12	67.11
AR-953	0			New Road	Access	12	180.04
TR-954	0			New Road	Tertiary	40	20.16

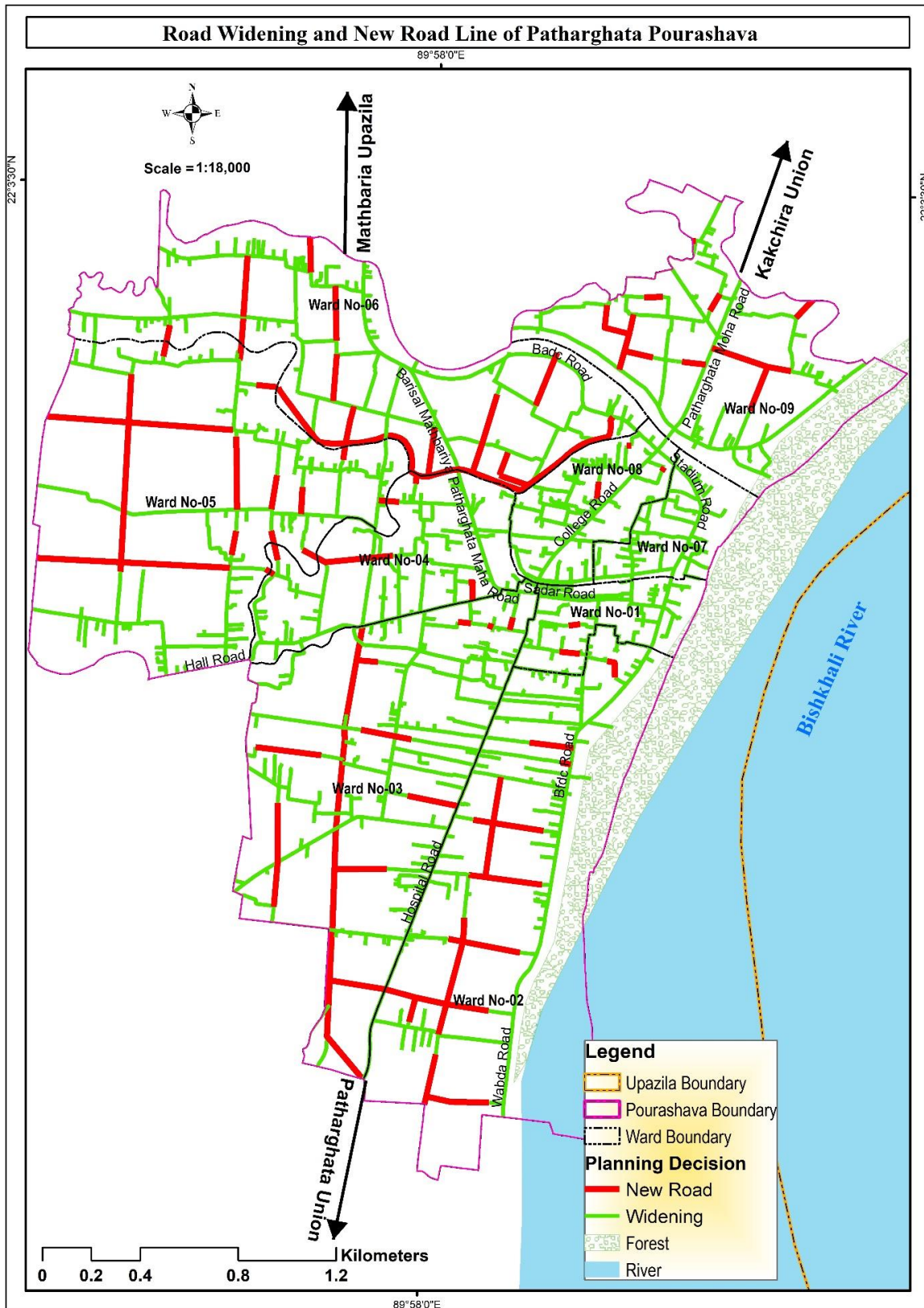


Figure 5: Road Widening and New Road Line

Source: PKCP Project, UDD. 2018

3.7 Guidelines for other Transportation Facilities

In the field of transportation facilities, the consultant has proposed such facilities as, bus terminal, truck terminal, rickshaw stands, baby taxi/tempo stands and passenger shed for local bus users.

Table- 9: List of Transport Facilities

Facilities	Area	Ward No
Tempo/Rickshaw Stand	0.799208	9
Truck Terminal	1.26808	6
Bus Terminal-1	1.75964	6
Auto Stand-1	0.6381	1
Rickshaw Stand	0.413003	4
Auto Stand-2	0.054457	3
Sluice Gate	0.0894	7
Helipad	0.101218	1
Bus Terminal-2	1.53602	9

Source: PKCP Project, UDD. 2018



Figure 6: Proposed Transport Facilities

Source: PKCP Project, UDD. 2018

CHAPTER- 4: DRAINAGE AND ENVIRONMENTAL MANAGEMENT GUIDELINES

This chapter states about existing conditions, Sub-basin catchment area analysis and methodology of Drainage Development Plan. A brief inventory of the existing drainage system of Patharghata has been made. While assessing the drainage conditions, the serviceability, structural conditions, obstruction, siltation, blockages are taken into consideration. And finally describe the drainage and environmental management plan, and its implementation strategies.

4.1 Existing Drainage Network

4.1.1 Man-Made Drainage Network

Paurashava has only 5.86 km of drainage network at Patharghata Paurashava area. This drainage network served mainly ward no 8, 1 and 3. Maximum people of the Paurashava deprived from drainage facility at Patharghata Paurashava.

Table 10 shows the ward wise manmade drainage coverage in Patharghata Paurashava. Total man made drainage coverage in Patharghata Paurashava for total length of 5.54 Km Pucca drain and 0.32 km katcha drain and it covers almost every wards except ward no 5 and 6. The highest drainage coverage concentrates in ward no. 08, total length of 1.67 kilometer drainage coverage exist in this ward. **Figure 7** Shows the existing Drainage Network of Patharghata Paurashava.

Table- 10: Existing Drainage network of the Pourashava

Ward No	Katcha Drain	Pucca Drain	Total Length (m)	Total Length (Km)	%
Ward No-01		1616.30	1616.30	1.62	27.57
Ward No-02		148.04	148.04	0.15	2.53
Ward No-03	179.55	1016.76	1196.31	1.20	20.41
Ward No-04		372.02	372.02	0.37	6.35
Ward No-07	139.67	293.68	433.36	0.43	7.39
Ward No-08		1675.57	1675.57	1.68	28.58
Ward No-09		420.54	420.54	0.42	7.17
Total	319.23	5542.92	5862.14	5.86	100.00

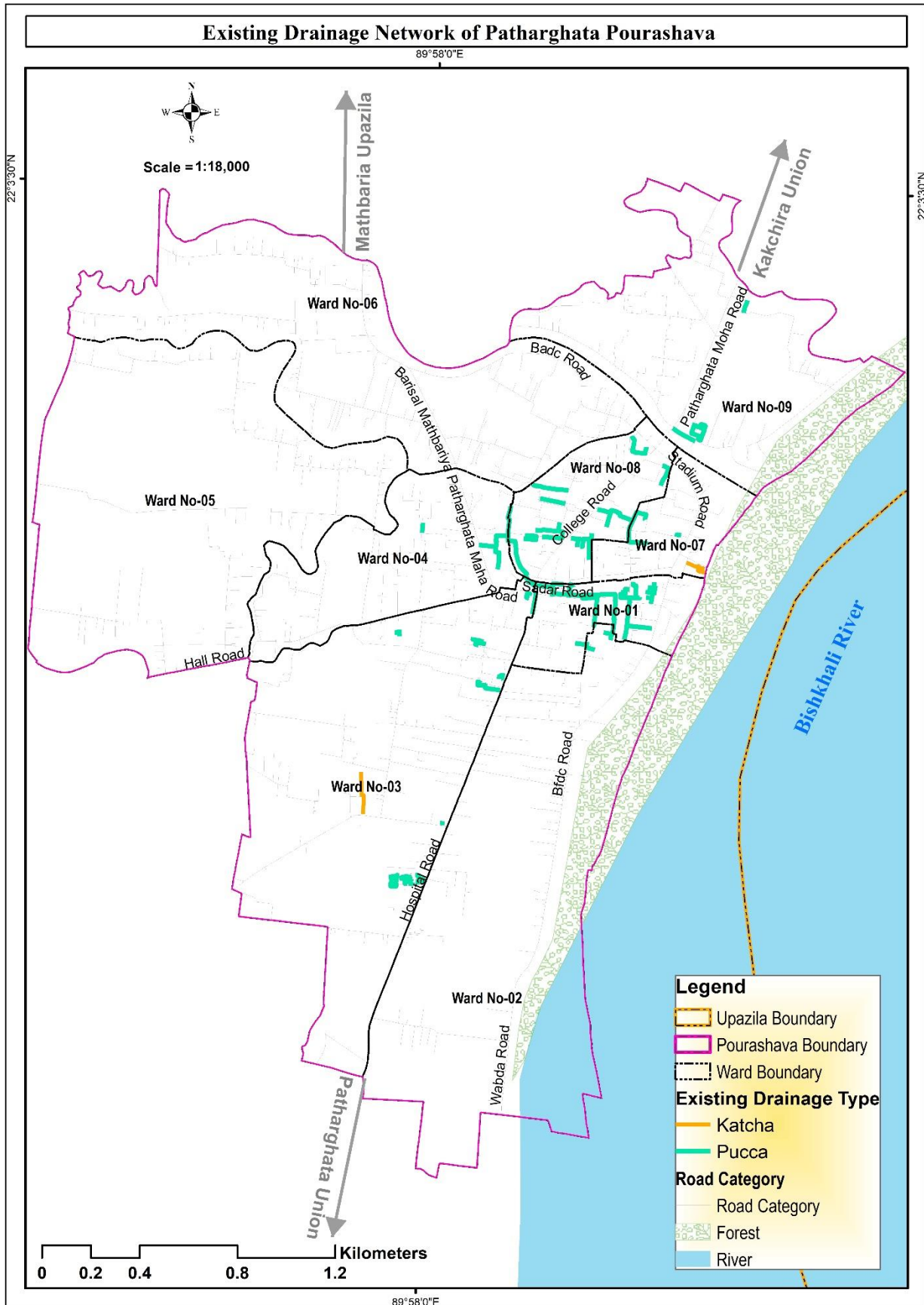


Figure 7: Existing Drainage Network

Source: PKCP Project, UDD. 2018

4.1.2 Natural Canal & River

The natural drainage network composed of 1 river and 5 khals/canals. Generally those khals are flowing towards north to south. Those river and natural canals cover 151.81 acres (river 18.01 acres and canals 20.76 acres) of land. The river flows on the eastern part of the Paurashava. Generally, over the year this river came about to calm. During monsoon season all drainage water release to this river and becomes flooded almost every year.

Table- 11: Existing Waterbody Type in the Pourashava

Ward No	Canal	Ditch	Fish Pond	Pond	River	Area (Acre)	%
Ward No-01		0.90	3.14	3.40		7.43	4.90
Ward No-02	1.30	0.49	10.49	5.85		18.14	11.95
Ward No-03	2.78	2.96	15.91	7.84		29.49	19.42
Ward No-04	4.04	1.33	5.85	1.15		12.37	8.15
Ward No-05	4.37	0.35	11.68	4.33		20.74	13.66
Ward No-06	4.37	0.52	9.34	3.11	5.99	23.33	15.37
Ward No-07		1.58	4.17	0.64	3.40	9.79	6.45
Ward No-08	1.11	0.30	3.90	3.09	1.09	9.48	6.25
Ward No-09	2.79	0.79	8.88	1.04	7.54	21.04	13.86
Total	20.76	9.24	73.36	30.44	18.01	151.81	100.00

There are linkages between natural and man-made drains. But how much effective and active the linkage is with the poorly maintained man-made drains is a question. Almost half of the depth of the man-made drain is filled with solid waste; as a result, the channel is not functioning properly.

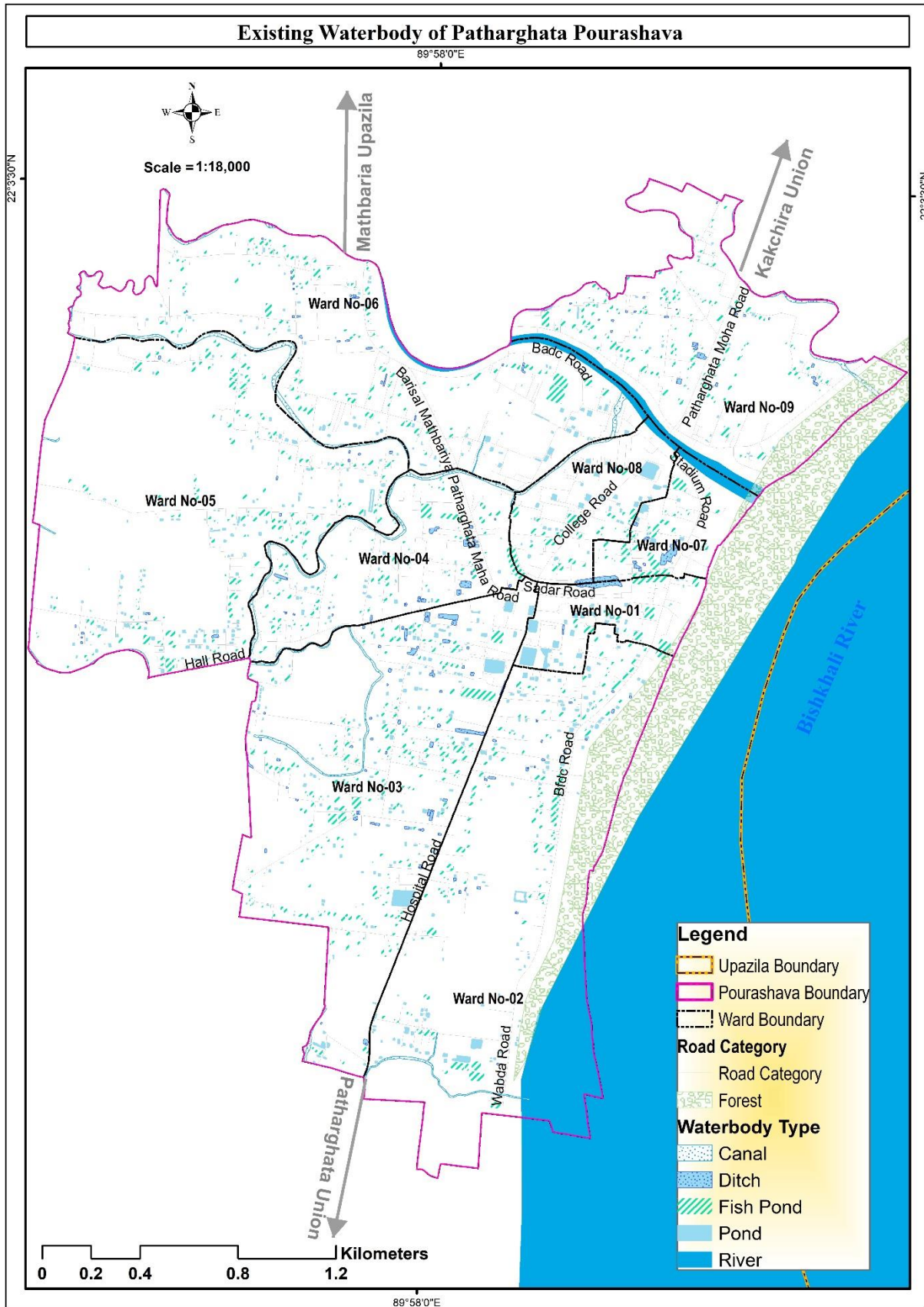


Figure 8: Existing Waterbody Type in the Pourashava

Source: PKCP Project, UDD. 2018

4.1.3 Topographic Condition of Existing Drainage Network

The Paurashava is mainly medium-high land except some low-lying strips, canals and river. A small part of it is urban, sign of very slow urbanization process is visible in few isolated locations and generally it is an agricultural area characterized by crop production. In the Paurashava, it has found that usually roads are not very high than the surrounding area except Regional Highway. The height varies from 0.96 meter to 6.92 meter among the adjacent lands and roads. Lowest land elevation is found in the Ward No. 5 and highest in the Ward No. 7.

Drainage catchments for Patharghata Paurashava and urban area are delineated using digital elevation model (DEM) with Strategic resolution of 1m which is collected from Topographic Survey. However, this DEM is resampled into 10m Strategic resolution for the processing of drainage catchment delineation as shown in Figure-1-6. The Sub-watershed analysis has been conducted using ArcGIS Strategic analysis and Arhydro extension tools.

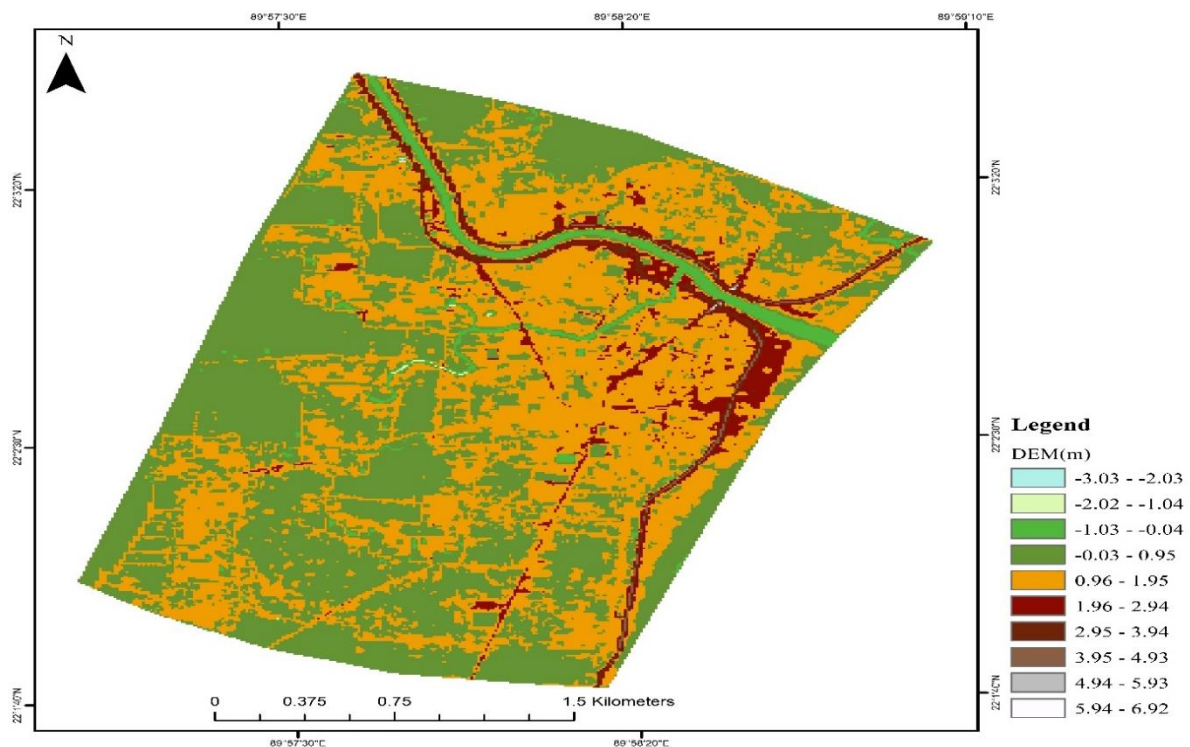


Figure 9: Digital Elevation Model (DEM) of Patharghata Urban Area

4.1.4 Analysis of Sub-catchments area and Identification of Drainage Outfalls

Watershed analysis requires fill the sinks (depression) of the study area as first step. The sinks are low elevation areas in DEMs that are surrounded by higher terrain that disrupts the flow path. Filling sinks creates a hydrological connected DEM for watershed analyses. The

fill process helps to raising the value of a cell identified as a sink cell to match the elevation of its downhill neighbor. Using Arc hydro tool extension of ArcGIS, flow direction has been determined for the study area from the processed DEM. The main concept of the model is that water from cell that would flow to the adjacent cell which has steepest gradient. It also assumes the catchment as depression less without any ponds or pits. After filling the DEM sinks, a flow direction was computed by calculating the steepest slope and by encoding into each cell eight possible flow directions towards the surrounding cells. This is called the 8-direction pour point model to determine flow path. Flow direction maps of the Paurashava and urban area.

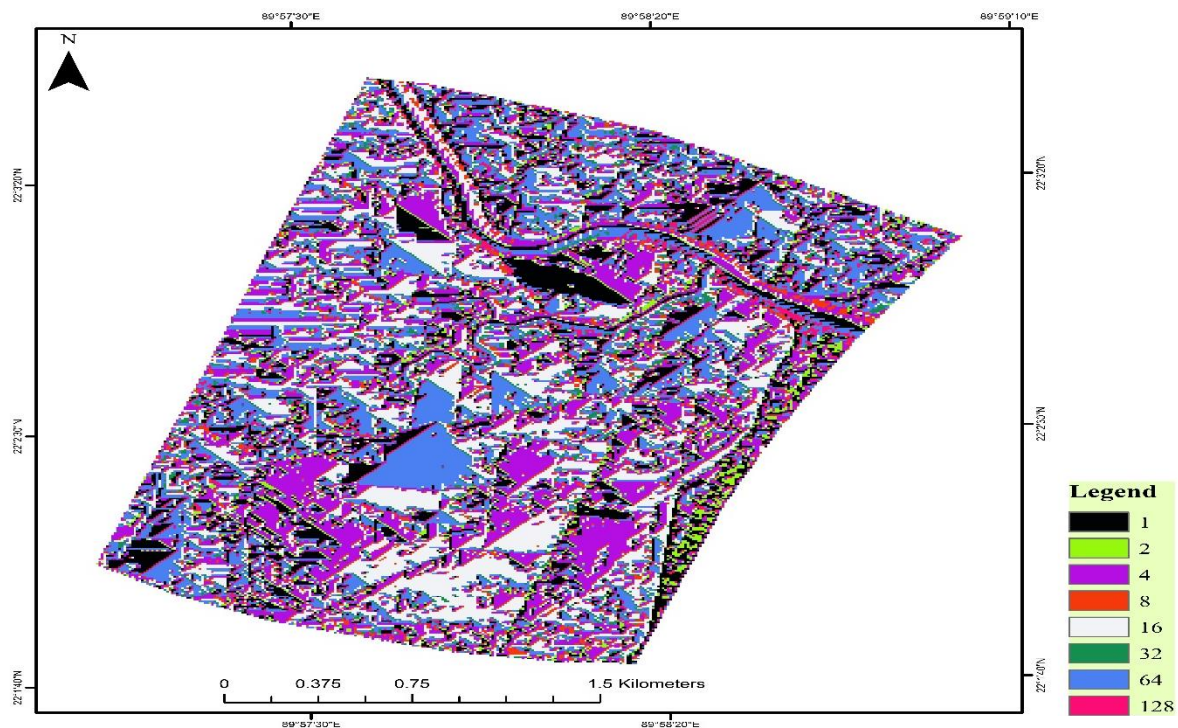


Figure 10: Flow direction map of Patharghata Paurashava. Source: PKCP Project, UDD. 2018

Flow direction map is used for flow accumulation map. The flow accumulation is generated by addressing each cell of the DEM, counts how many upstream cells contribute to flow through the given cell. Flow direction and accumulation maps are then used to delineate the stream network. Figure-11 shows flow accumulation maps of the Paurashava.

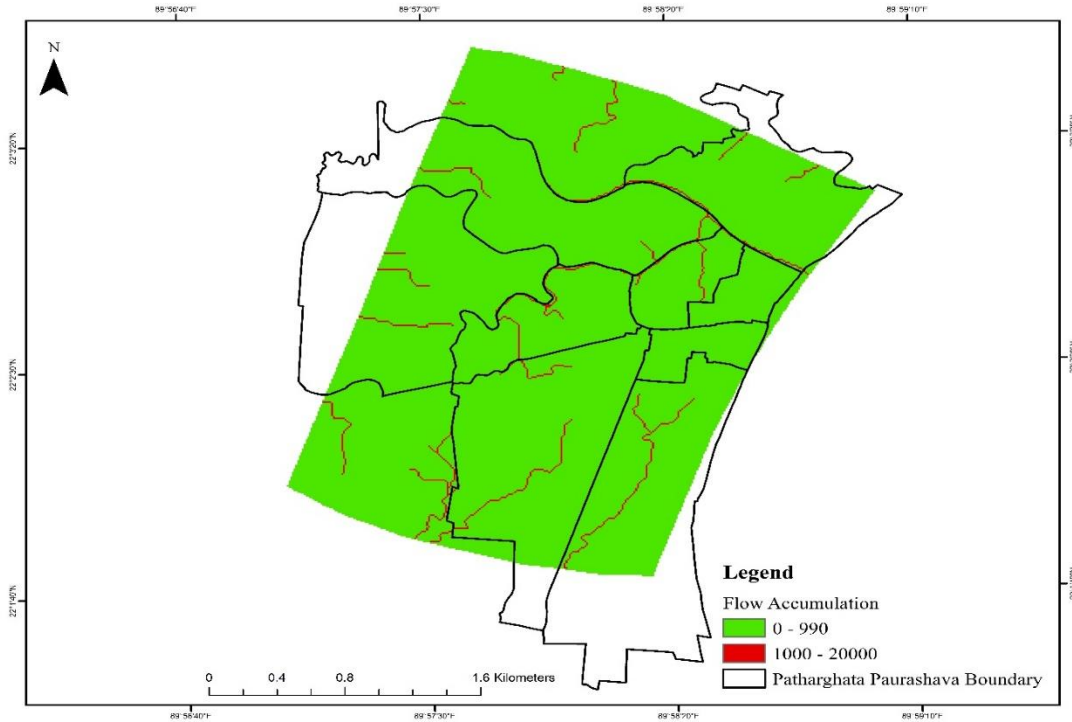


Figure 11: Flow accumulation map of Patharghata Paurashava

The stream network can be divided into segment which will determine the outlets of the basin. Watershed divide is assumed as a line whose flow accumulation value is zero and those cells, which have flow accumulation value greater than a threshold value provided by the user, is assumed as stream channel or river. After applying trial and error methods, the threshold value 5% (Patharghata) of the longest flow path was used to determine the drainage network. An extensive field survey in Paurashava urban area was done to check the accuracy of delineated drainage network except Patharghata Paurashava. However, some major corrections of delineated drainage network are made on the basis of field report information. Figure 12 shows the drainage network of the all Paurashava and urban area.

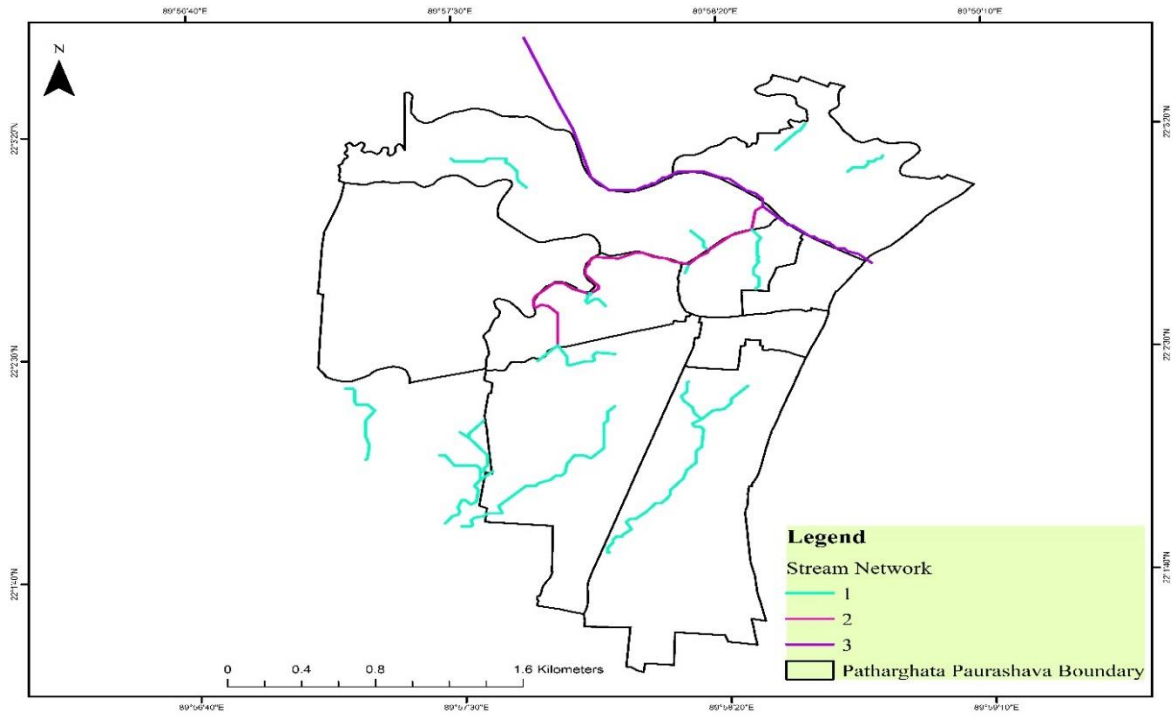


Figure 12: Drainage network map of Patharghata Paurashava. Source: PKCP Project, UDD. 2018

In Patharghata Paurashava, the location of main drainage outlet is very close to the culvert of badc Road (Ward no.6) and it falls into a canal which locally called Macher khal.

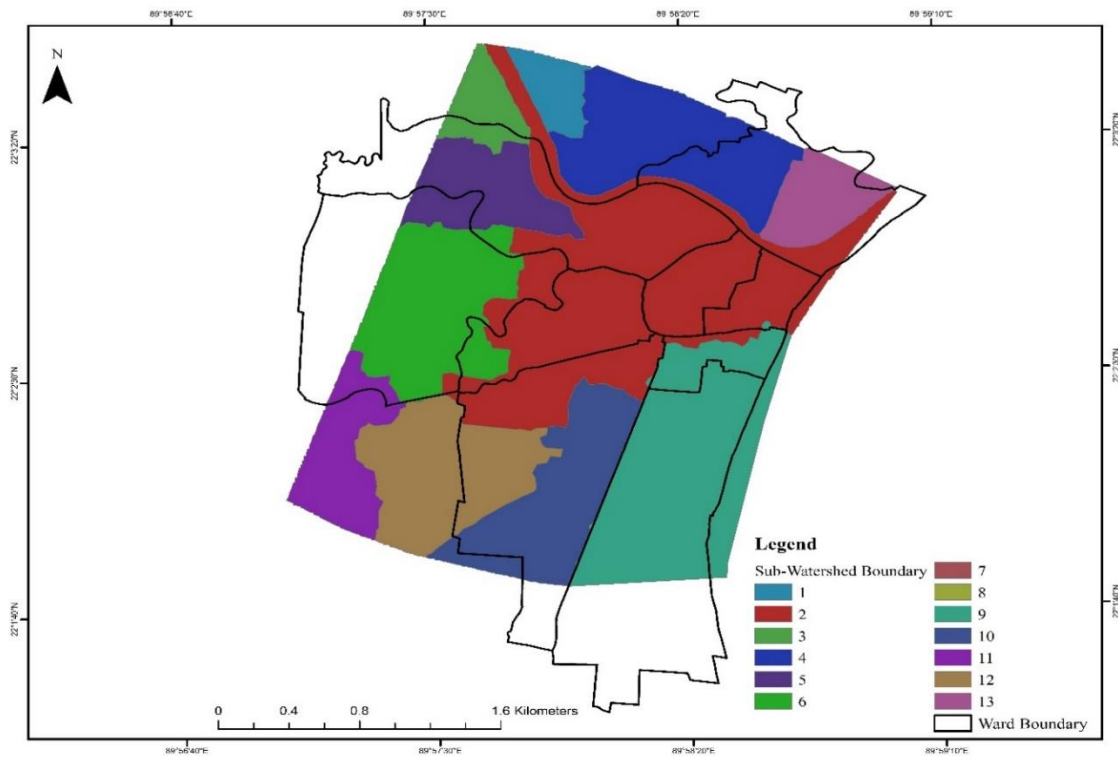


Figure 13: Sub-catchments map of Patharghata Paurashava

Source: PKCP Project, UDD. 2018

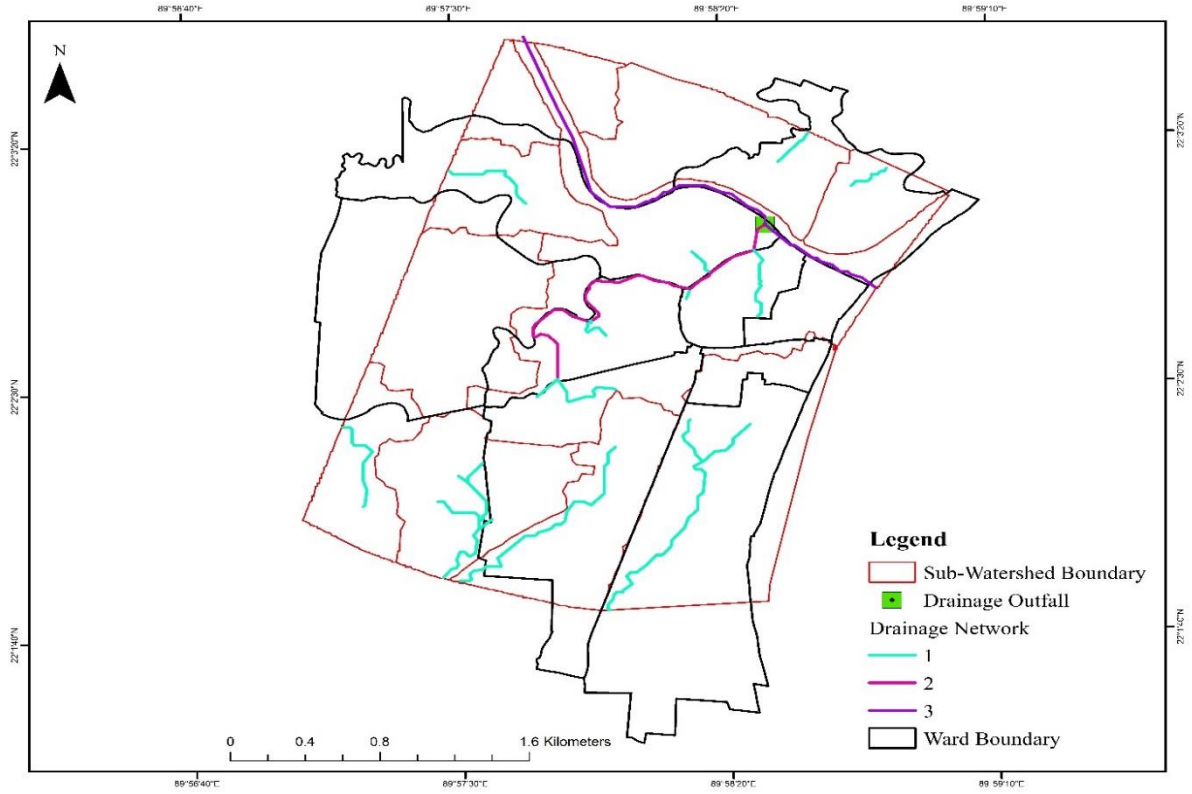


Figure 14: Map of sub-watersheds outlet in Patharghata Paurashava

Source: PKCP Project, UDD. 2018

CHAPTER- 5: WARD ACTION PLAN

5.1 Introduction

This chapter contains Ward Action Plan of each individual Ward. First, the issues prevailing in different Wards have been briefly described followed by description of Development Proposals in ward action plan for each Ward.

5.2 Background

The Ward Action Plans are prepared under the framework of Structure Plan and Urban Area Plan. The Ward Action Plans contain details of development proposals at Ward level including the problems and opportunities existing therein and also include the proposals made in the upper level plan that is in the Urban Area Plan. The Ward Action Plans have been formulated for execution within a period of 5 years.

Ward Action Plan is a vital part of the current plan package as far as Strategic development and development control is concerned. Absence of Ward Action Plan not only hampers undertaking of development projects by planning authority, but also leads to uncontrolled and unwanted Strategic development in the private sector. Land use zoning is also provided in the Ward Action Plan to enable detailed view of proposed land use and development.

5.2.1 Ideal Urban Area Facilities

Ideal urban cities can vary based on specific cultural, environmental, and societal contexts, but there are several common criteria that are often considered important for creating livable and sustainable urban environments. An ideal urban city seeks to create a balanced and sustainable environment that enhances the quality of life for its residents, promotes inclusivity, fosters innovation and creativity, and preserves the city's unique cultural identity. Landuse wise Ideal Urban Area Facilities has given below.

List of Urban Services for an Ideal Pourashava

1. Residential Land Area
 - Low Density residential
 - Medium density
 - Planned residential
2. Commercial land use
 - Central Business District/Town Center
 - Community Commercial
 - Neighborhood Commercial
 - ICT /e-commerce Center

3. Open Space & recreation
 - Park
 - Play-grounds (stadium, playfield)

Natural and underdeveloped resources areas (critical habitat and natural beauty such as river bank, char

- Theatre / Cinema Hall
4. Education and Research Center
 - Primary School
 - High School
 - College
 - Madrasa
5. Health Facilities
 - Community Clinic
 - Hospital
6. Community Facilities
 - Public Library
 - Community Center
 - Open Theatre
 - Mosque or Religious Facilities
7. Public Services and utilities
 - ICT center
 - Fire Service
 - Sewerage Treatment
 - Waste Disposal Site
 - Power Station Graveyard
8. Transportation Facilities
 - Bus truck , taxi stand/ Terminal
 - Rickshaw/ Tempo stand
 - Launch Ghat
 - Helipad
9. Administrative
 - Government

- 10 Roads
- 11 Agriculture
- 12 Water bodies
- 13 Wet land/Ecologically Sensitive Area
- 14 Open Space
- 15 Potential Urban Extension Area
- 16 Shoreline
- 17 Water works Infrastructure (sluice gate, culverts, sewerage)

5.3 Ward Action Plan for Ward No. 01

5.3.1 Demography

Ward No. 1 consists of the mouza named Patharghata. It is situated on the Middle Eastern part of the Pourashava and Ward No. 7 is on the north, Ward No. 2 on the south, Biskhali River on the east and Ward No. 3 on the west.

Present population of the Ward is 1307 (2022) and it will 1562 in the year 2031 and 1794 in 2041. Density of population is 27 persons per acre and it will be 32 in the year 2031.

Table- 12: Population Statistics of Ward No. 01

Item	2011	2022	2031	2041
Area (acre)	49.44			
Population	1643	1307	1562	1794
Density	34	27	32	37

Source: PKCP Project, UDD. 2018

5.3.2 Review of Existing Land Use

Out of total 49.35 acres of land of this ward, more than 16.60 acres of land i.e. 33.63% is used in residential. The agricultural use with 0.15 acres, occupies 0.30% of total land, water bodies 15%, commercial use 8.11%, mixed use 4.37% and circulation network 6.40%. Only 5.53% of land is used as education facilities.

Table- 13: Existing Landuse category in Ward-01

Existing Landuse	Area (Acre)	%
Administrative/Public Service	1.50	3.03
Agriculture	0.15	0.30
Commercial	4.00	8.11
Community Service	0.45	0.91
Education and Research	2.73	5.53
Forest	1.76	3.57
Health Service	0.01	0.01
Manufacturing and Processing	0.02	0.04
Mixed Use	2.16	4.37
Residential	16.60	33.63
Service Activity	0.55	1.11
Transportation and Communication	3.16	6.40
Vacant Land	3.14	6.36
Vegetation	5.73	11.62
Waterbody	7.40	15.00
Total	49.35	100.00

5.3.3 Ward Action Plan Proposals

5.3.3.1 Proposed Land Use Zoning

The category wise proposals are presented here. Table 14 shows the amount of land uses in Ward no. 1. Map shows proposed land use of Ward 01.

Table- 14: Proposed Land Uses of Ward No. 01

Proposed Landuse	Area (Acre)	%
Commercial & Residential	0.43	0.87
Commercial use	5.45	11.04
Community Service	1.75	3.54
Education and research institute	2.36	4.78
Open Space/green space	8.82	17.87
Public Administrative and Defense and Community Facilities	2.84	5.76
Residential & Commercial	7.38	14.95
Residential use	5.38	10.90
Road	9.22	18.67
Transportation facilities	0.62	1.26
Waterbody	5.11	10.34
Total	49.35	100.00

5.3.3.2 Development Proposals for Ward No-1

The consultant proposes some urban facilities in Ward No-1. It includes Shashan Ghat, Eco Park (Partial), Park, Administrative Office, Helipad etc. The details of the proposal is given in the table below.

Table- 15: Development Proposals for ward 01 (Mouza Wise)

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area (Acre)	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban Fringe	CS-9	Community Service	Shashan Ghat	0.50	1, 7	Ghuta bachha	12	5	N/A

Urban Fringe	OR-12	Open Space and Recreational	Eco Park	77.68	1, 2	Patharghata	36	2	509, 510, 511, 512, 514, 515, 516, 517, 518, 519, 520, 521, 522, 569, 570, 571, 572, 573, 578, 579, 580, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 634, 635, 636, 650, 663, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 730, 731, 732
								3	915, 916, 917, 918, 919, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 937, 938, 939, 940, 943, 944, 945, 946, 947, 949, 950, 951, 952, 953, 954, 955, 959, 960, 963, 964, 965, 966, 967, 968, 969, 984, 985, 986, 989, 990, 991, 992, 993, 994, 995, 1004
								4	1227, 1228, 1229, 1230, 1231
Urban Fringe	OR-8	Open Space and Recreational	Park	3.38	1	Ghatabhata	12	5	3396
						Patharghata	36	2	505, 506, 508, 509, 515, 516
Urban	PUS-1	Administrative/Public Service	Ward Councilor's Office-01	0.20	1	Patharghata	36	2	450, 451
Urban	TR-4	Transportation and Communication	Auto Stand	0.64	1	Ghatabhata	12	5	3396
						Patharghata	36	2	502, 503, 505
Urban Fringe	TR-7	Transportation and Communication	Sluice Gate	0.09	1, 7	Patharghata	36	2	N/A

Urban Fringe	TR-8	Transportation and Communication	Helipad	0.10	1	Patharghata	36	2	515
Urban and Urban Fringe	WR-1	Waterbody	Water Reservoir	4.35	1, 7, 8	Ghatabachha	12	5	2883, 2884, 2885, 2886, 2887, 3396
						Patharghata	36	2	505

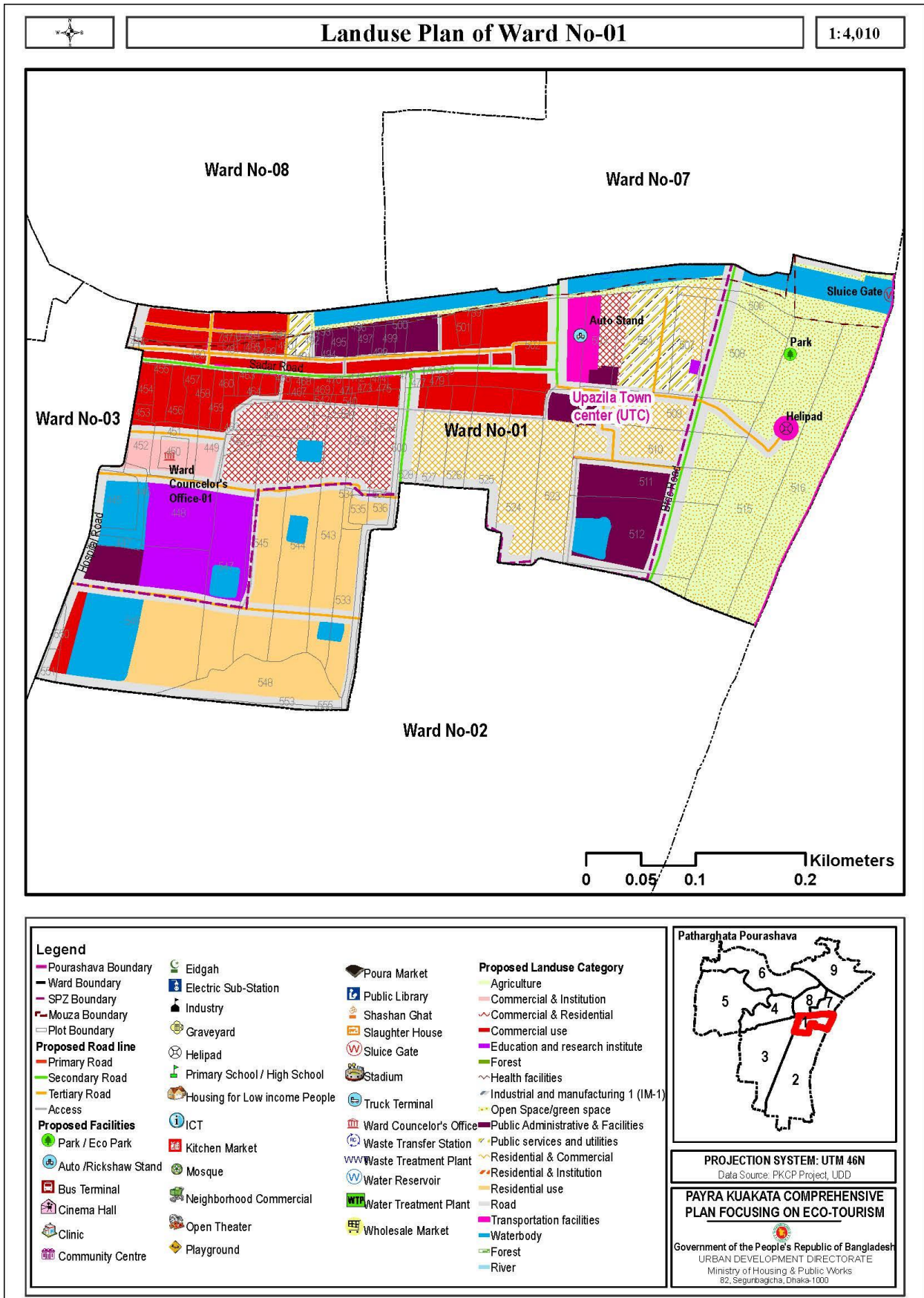


Figure 15: Ward Action Plan for Ward No-1

Source: PKCP Project, UDD. 2018

5.4 Ward Action Plan for Ward No. 02

5.4.1 Demography

Ward No. 2 consists of the mouza named Patharghata. It is situated on the southern part of the Pourashava and Ward No. 1 and 3 is on the north, Upazila area on the south, Biskhali River on the east and Ward No. 3 on the west.

Present population of the Ward is 2603 (2022) and it will 3663 in the year 2031 and 4777 in 2041. Density of population is 8 persons per acre and it will be 11 in the year 2031.

Table- 16: Population Statistics of Ward No. 02

Item	2011	2021	2031	2041
Area (acre)	360.16			
Population	1781	2603	3663	4777
Density	5	8	11	14

5.4.2 Review of Existing Land Use

Out of total 360.16 acres of land of this ward, more than 67.34 acres of land i.e. 18.70% is used in residential. The agricultural use with 129.41 acres, occupies 35.93% of total land, water bodies 15.66%, commercial use 0.09%, mixed use 0.11% and Transportation and Communication 2.23%. Only 0.13% of land is used as health facilities.

Table- 17: Existing Landuse category in Ward-02

Landuse Category	Area (Acre)	%
Administrative/Public Service	0.74	0.21
Agriculture	129.41	35.93
Commercial	0.32	0.09
Community Service	0.23	0.06
Education and Research	0.74	0.21
Forest	39.89	11.08
Health Service	0.46	0.13
Mixed Use	0.41	0.11
Residential	67.34	18.70
Service Activity	0.17	0.05
Transportation and Communication	8.03	2.23
Vacant Land	26.78	7.44
Vegetation	29.22	8.11
Waterbody	56.41	15.66
Total	360.16	100.00

5.4.3 Ward Action Plan Proposals

5.4.3.1 Proposed Land Use Zoning

The category wise proposals are presented here. Table 18 shows the amount of land uses in Ward no 2. Map shows proposed land use of Ward 02.

Table- 18: Proposed Land Uses of Ward No. 02

Proposed Landuse	Area (Acre)	%
Agriculture	118.22	32.83
Commercial use	0.47	0.13
Education and research institute	0.67	0.19
Forest	0.01	0.00
Health facilities	0.27	0.08
Open Space/green space	72.83	20.22
Public Administrative and Defence and Community Facilities	0.85	0.23
Public services and utilities	1.94	0.54
Residential use	80.19	22.26
Road	38.34	10.64
Transportation facilities	0.03	0.01
Waterbody	46.33	12.87
Total	360.16	100

5.4.3.2 Development Proposals for Ward No-2

The consultant proposes some urban facilities in Ward No-2. It includes Cinema Hall, Eco Park (Partial), Park, Administrative Office, Auto Stand etc. The details of the proposal is given in the table below.

Table- 19: Development Proposals for ward 02 (Mouza Wise)

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban	COM-10	Commercial	Wholesale Market	0.46	2	Patharghata	36	3	910, 912
Urban Fringe	CS-1	Community Service	Cinema Hall	0.31	2	Patharghata	36	2	579, 580, 581
Urban	CS-14	Community Service	Waste Transfer Station	0.41	2, 3	Patharghata	36	3	1011
Urban	ER-4	Education and Research	Primary School	0.23	2	Patharghata	36	3	1009
Urban &	OR-12	Open Space	Eco Park	77.68	1, 2	Patharghata	36	2	509, 510, 511, 512, 514, 515,

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban Fringe		and Recreational							516, 517, 518, 519, 520, 521, 522, 569, 570, 571, 572, 573, 578, 579, 580, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 634, 635, 636, 650, 663, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 730, 731, 732
								3	915, 916, 917, 918, 919, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 937, 938, 939, 940, 943, 944, 945, 946, 947, 949, 950, 951, 952, 953, 954, 955, 959, 960, 963, 964, 965, 966, 967, 968, 969, 984, 985, 986, 989, 990, 991, 992, 993, 994, 995,

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
									1004
								4	1227, 1228, 1229, 1230, 1231
Urban	OR-4	Open Space and Recreational	Park	0.92	2, 3	Patharghata	36	3	862, 911
Urban	PRA-4	Residential	Housing for Low income People	4.35	2	Patharghata	36	3	912, 1011
Urban	PUS-2	Administrative/Public Service	Ward Councilor's Office-02	0.20	2	Patharghata	36	2	590, 591
Urban								3	1009
Urban	TR-6	Transportation and Communication	Auto Stand	0.05	2	Patharghata	36	3	874, 875
Urban Fringe	US-1	Utility Services	Electric Sub-Station	1.93	2	Patharghata	36	3	874, 878, 879

Source: PKCP Project, UDD. 2018

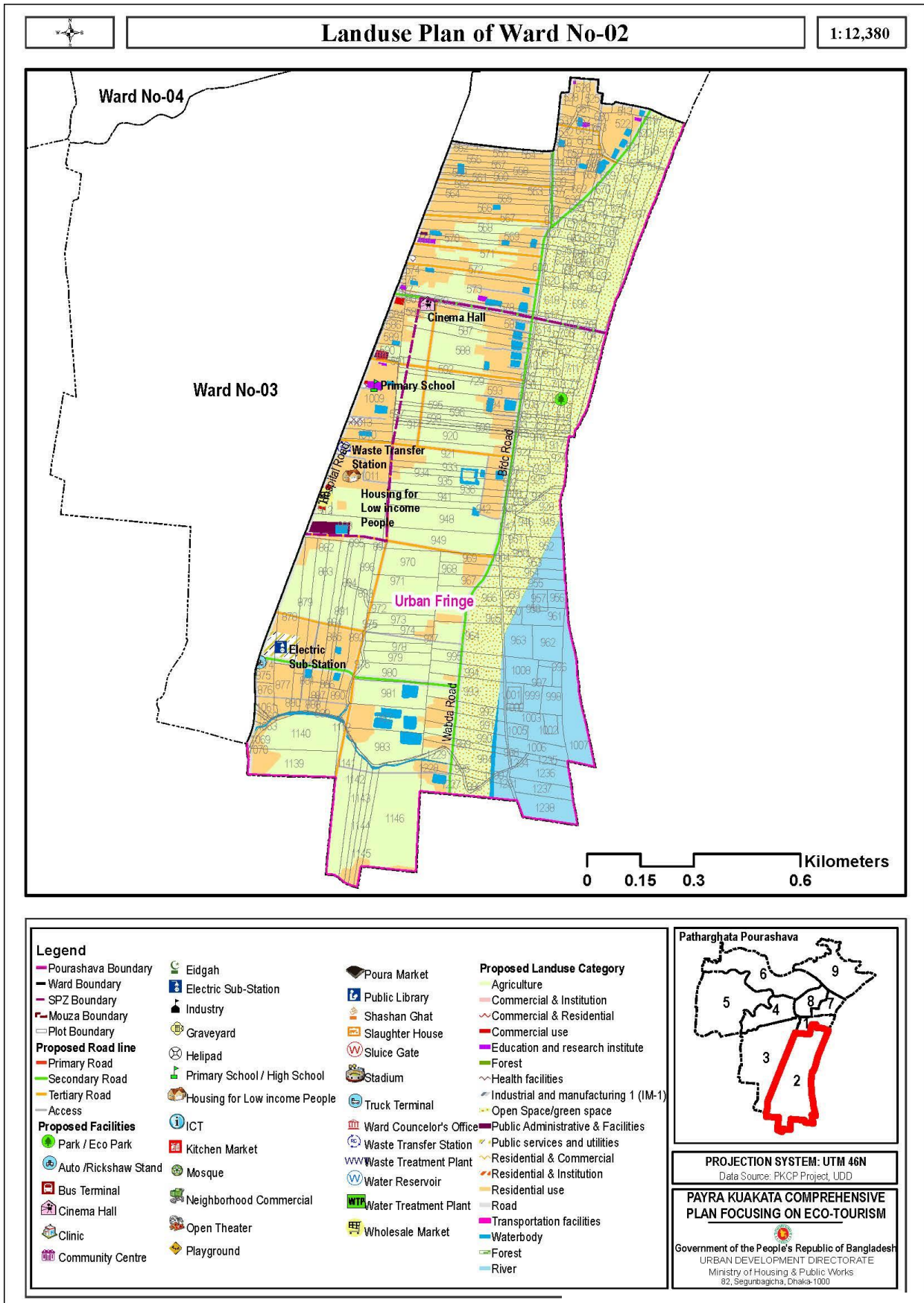


Figure 16: Ward Action Plan for Ward No-2

Source: PKCP Project, UDD. 2018

5.5 Ward Action Plan for Ward No. 03

5.5.1 Demography

Ward No. 3 consists of the mouza named Patharghata. It is situated on the southwestern part of the Pourashava and Ward No. 4 is on the north, Upazila area on the south and west and Ward No. 1 and 2 on the east. Present population of the Ward is 3050 (2022) and it will 4138 in the year 2031 and 5247 in 2041. Density of population is 10 persons per acre and it will be 13 in the year 2031.

Table- 20: Population Statistics of Ward No. 03

Item	2011	2021	2031	2041
Area (acre)	320.56			
Population	2173	3050	4138	5247
Density	7	10	13	17

5.5.2 Review of Existing Land Use

Out of total 320.56 acres of land of this ward, more than 99.76 acres of land i.e. 31.12% is used in residential. The agricultural use with 126.80 acres, occupies 39.56% of total land, water bodies 9.43%, commercial use 0.39%, mixed use 0.03% and Transportation and Communication 2.6%. Only 0.30% of land is used as health facilities.

Table- 21: Existing Landuse category in Ward-03

Landuse Category	Area (Acre)	%
Administrative/Public Service	6.40	2.00
Agriculture	126.80	39.56
Commercial	1.25	0.39
Community Service	1.30	0.40
Education and Research	1.98	0.62
Health Service	0.97	0.30
Mixed Use	0.10	0.03
Residential	99.76	31.12
Service Activity	1.04	0.32
Transportation and Communication	8.32	2.60
Vacant Land	1.90	0.59
Vegetation	40.53	12.64
Waterbody	30.22	9.43
Total	320.56	100.00

5.5.3 Ward Action Plan Proposals

5.5.3.1 Proposed Land Use Zoning

The category wise proposals are presented here. Table 22 shows the amount of land uses in Ward no 3. Map shows proposed land use of Ward 03.

Table- 22: Proposed Land Uses of Ward No. 03

Proposed Landuse	Area (Acre)	%
Agriculture	109.91	34.29
Commercial & Institution	1.04	0.32
Commercial & Residential	3.32	1.04
Commercial use	1.72	0.54
Education and research institute	2.50	0.78
Health facilities	0.96	0.30
Open Space/green space	2.53	0.79
Public Administrative and Defence and Community Facilities	11.31	3.53
Public services and utilities	0.20	0.06
Residential & Commercial	1.17	0.36
Residential & Institution	2.12	0.66
Residential use	114.27	35.65
Road	55.01	17.16
Transportation facilities	0.00	0.00
Waterbody	14.51	4.53
Total	320.56	100

5.5.3.2 Development Proposals for Ward No-3

The consultant proposes some urban facilities in Ward No-3. It includes School, Cyclone Shelter, Shishu Park, Administrative Office, Waste Transfer Station etc. The details of the proposal is given in the table below.

Table- 23: Development Proposals for ward 03 (Mouza Wise)

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban	COM-10	Commercial	Wholesale Market	0.46	2	Patharghata	36	3	910, 912
Urban	COM-7	Commercial	Neighborhood Commercial	1.70	3	Patharghata	36	2	307, 308, 309, 310, 312, 313, 314, 315, 316, 317, 444
								3	862, 911, 1015

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban	CS-14	Community Service	Waste Transfer Station	0.41	2, 3	Patharghata	36	3	1011
Urban	ER-1	Education and Research	High School	1.13	3	Patharghata	36	3	859, 860, 861, 862, 1015
Urban	ER-6	Education and Research	School & Cyclone Shelter	0.30	3	Patharghata	36	3	901
Urban	OR-4	Open Space and Recreational	Park	0.92	2, 3	Patharghata	36	3	862, 911
Urban	OR-5	Open Space and Recreational	Sishu Park	1.48	3	Patharghata	36	2	354, 355, 356, 357
Urban Fringe	OR-9	Open Space and Recreational	Neighborhood Park	1.23	3, 4	Patharghata	36	1	28, 29, 30, 34, 37
								2	264, 265, 266, 271
Urban	PUS-3	Administrative/Public Service	Ward Councilor's Office-03	0.15	3	Patharghata	36	3	861, 862

Source: PKCP Project, UDD. 2018

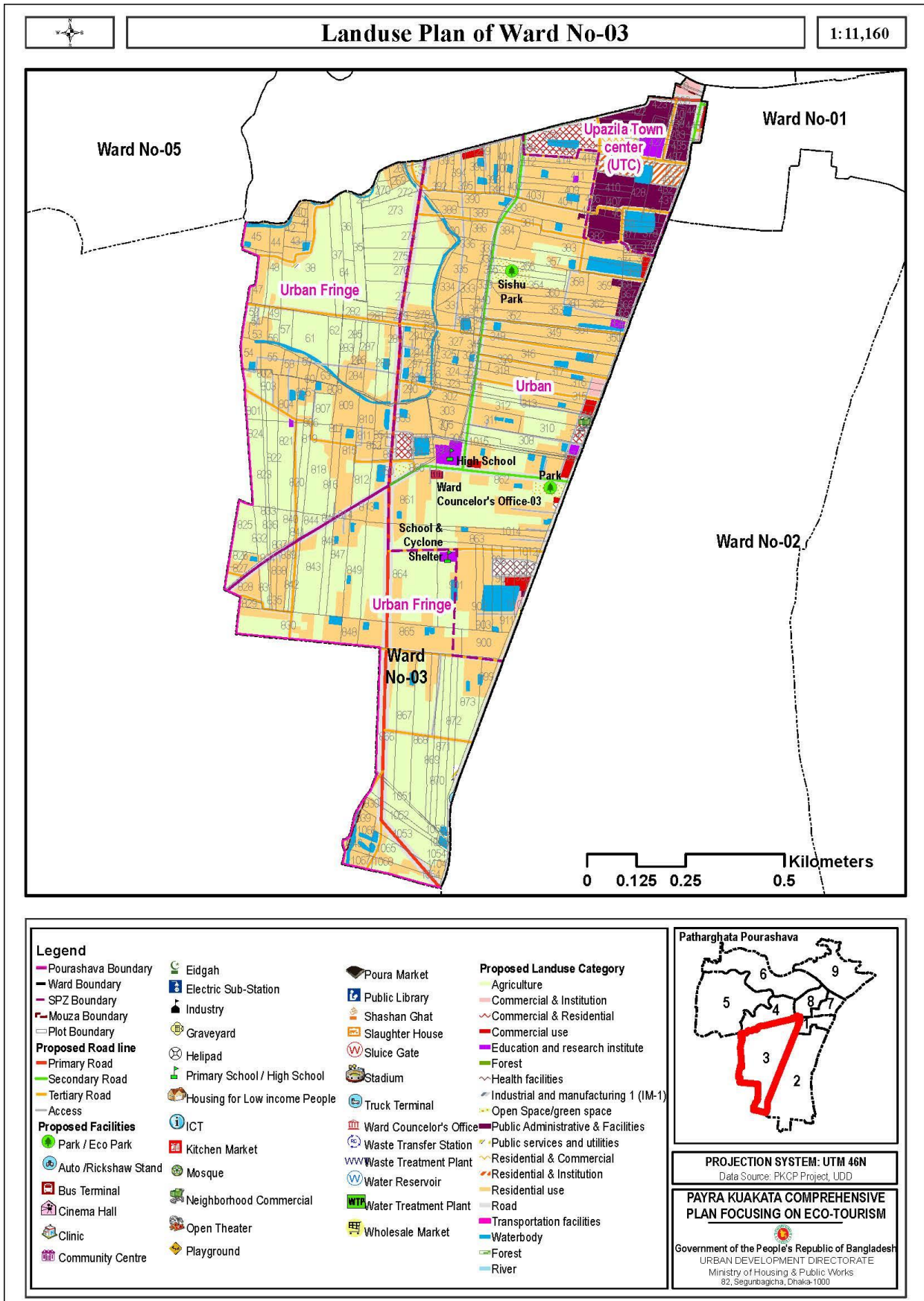


Figure 17: Ward Action Plan for Ward No-3

Source: PKCP Project, UDD. 2018

5.6 Ward Action Plan for Ward No. 04

5.6.1 Demography

Ward No. 4 consists of the mouza named Patharghata. It is situated on the middle part of the Pourashava and Ward No. 5 and 6 is on the north, Ward No. 3 on the south, Ward No. 8 on the east and Ward No. 5 on the west. Present population of the Ward is 2259 (2022) and it will be 2787 in the year 2031 and 3281 in 2041. Density of population is 19 persons per acre and it will be 24 in the year 2031.

Table- 24: Population Statistics of Ward No. 04

Item	2011	2022	2031	2041
Area (acre)	119.63			
Population	1789	2259	2787	3281
Density	15	19	24	28

5.6.2 Review of Existing Land Use

Out of total 119.63 acres of land of this ward, more than 53.28 acres of land i.e. 44.54% is used in residential. The agricultural use with 12.06 acres, occupies 10.08% of total land, water bodies 10.61%, commercial use 1.19%, mixed use 0.84% and Transportation and Communication 3.79%. Only 0.33% of land is used as education facilities.

Table- 25: Existing Landuse category in Ward-04

Landuse Category	Area (Acre)	%
Administrative/Public Service	0.23	0.19
Agriculture	12.06	10.08
Commercial	1.43	1.19
Community Service	0.30	0.25
Education and Research	0.40	0.33
Manufacturing and Processing	0.12	0.10
Mixed Use	1.01	0.84
Open Space and Recreational	1.79	1.49
Residential	53.28	44.54
Service Activity	0.28	0.23
Transportation and Communication	4.54	3.79
Vacant Land	3.09	2.58
Vegetation	28.42	23.75
Waterbody	12.69	10.61
Total	119.63	100.00

5.6.3 Ward Action Plan Proposals

5.6.3.1 Proposed Land Use Zoning

The category wise proposals are presented here. Table 26 shows the amount of land uses in Ward no 4. Map shows proposed land use of Ward 04.

Table- 26: Proposed Land Uses of Ward No. 04

Proposed Landuse	Area (Acre)	%
Agriculture	11.48	9.59
Commercial & Institution	0.87	0.73
Commercial & Residential	5.10	4.26
Commercial use	1.67	1.40
Education and research institute	0.09	0.07
Open Space/green space	9.11	7.61
Public Administrative and Defence and Community Facilities	0.82	0.69
Residential & Commercial	11.56	9.66
Residential use	48.60	40.62
Road	22.37	18.70
Transportation facilities	0.39	0.33
Waterbody	7.57	6.33
Total	119.63	100

5.6.3.2 Development Proposals for Ward No-4

The consultant proposes some urban facilities in Ward No-4. It includes Poura Market, Rickshaw Stand, Water Reservoir, Administrative Office, Playground etc. The details of the proposal is given in the table below.

Table- 27: Development Proposals for ward 04 (Mouza Wise)

SPZ Names	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban	Commercial	Poura Market	1.00	4	Ghutabachha	12	5	N/A
					Patharghata	36	2	208, 236, 240, 735
Urban Fringe	Open Space and Recreational	Playground	0.53	4	Patharghata	36	1	28, 31, 32
Urban Fringe	Open Space and Recreational	Neighborhood Park	1.23	3, 4	Patharghata	36	1	28, 29, 30, 34, 37
							2	264, 265, 266, 271
Urban	Administrative/Public	Ward Councilor'	0.19	4	Patharghata	36	2	147, 149, 243, 244

	Service	s Office-04						
Urban	Transportation and Communication	Rickshaw Stand	0.41	4	Patharghata	36	2	162, 163, 165, 166, 167, 208
Urban	Waterbody	Water Reservoir	1.25	4, 8	Ghutabachha	12	5	3396
					Patharghata	36	2	236, 237, 238, 505

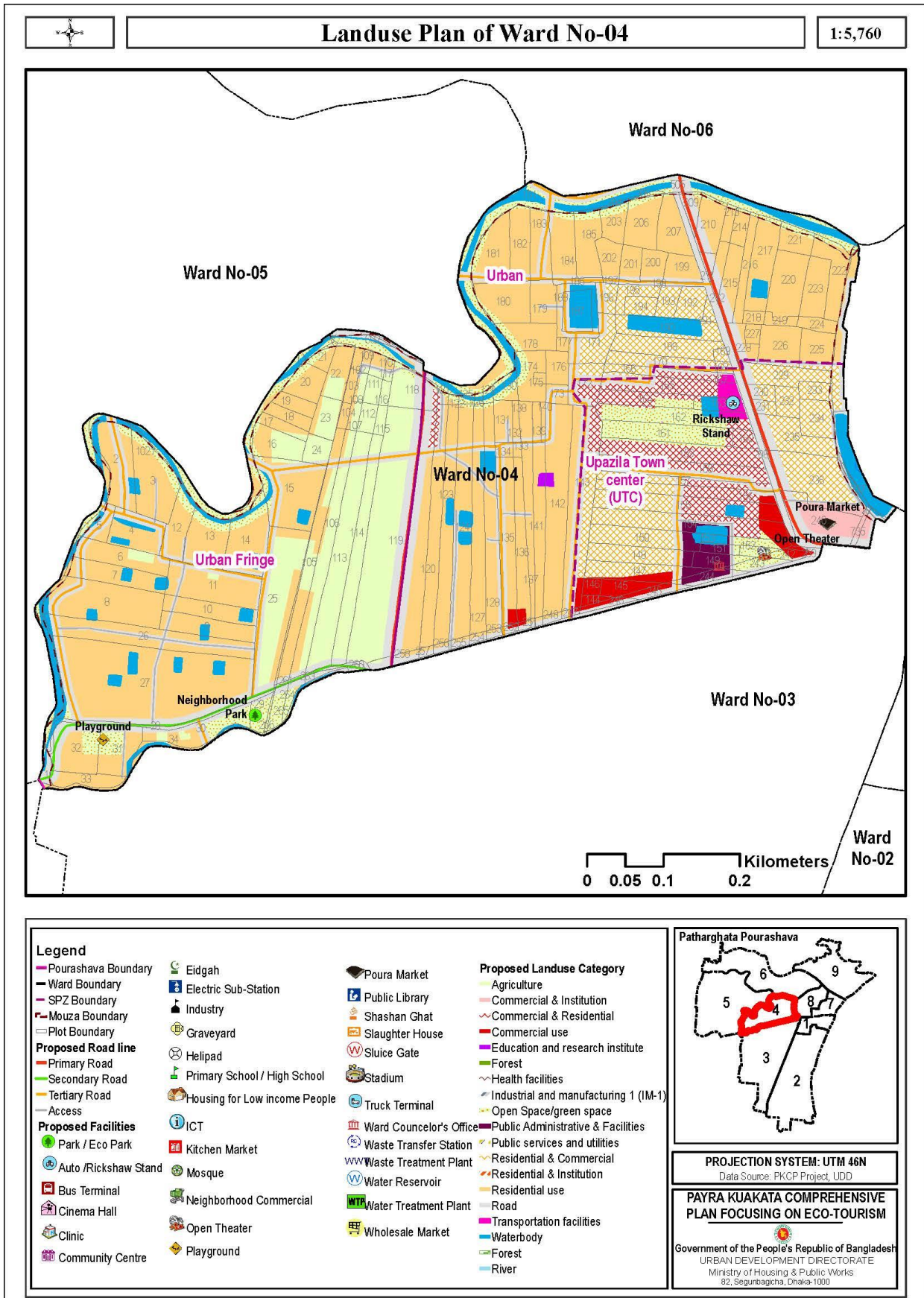


Figure 18: Ward Action Plan for Ward No-4

Source: PKCP Project, UDD. 2018

5.7 Ward Action Plan for Ward No. 05

5.7.1 Demography

Ward No. 5 consists of the mouza named Baraitala. It is situated on the northwestern part of the Pourashava and Ward No. 6 is on the north, Upazila area on the south and west and Ward No. 4 and 6 on the east. Present population of the Ward is 1984 (2022) and it will be 2367 in the year 2031 and 2714 in 2041. Density of population is 6 persons per acre and it will be 7 in the year 2031.

Table- 28: Population Statistics of Ward No. 05

Item	2011	2022	2031	2041
Area (acre)	358.03			
Population	1631	1984	2367	2714
Density	5	6	7	8

5.7.2 Review of Existing Land Use

Out of total 119.63 acres of land of this ward, more than 72.89 acres of land i.e. 20.36% is used in residential. The agricultural use with 210.68 acres, occupies 58.84% of total land, water bodies 5.98%, commercial use 0.04%, mixed use 0.06% and Transportation and Communication 1.50%. Only 0.17% of land is used as education facilities.

Table- 29: Existing Landuse category in Ward-05

Landuse Category	Area (Acre)	%
Agriculture	210.68	58.84
Commercial	0.13	0.04
Community Service	0.29	0.08
Education and Research	0.61	0.17
Mixed Use	0.20	0.06
Residential	72.89	20.36
Transportation and Communication	5.36	1.50
Vacant Land	3.46	0.97
Vegetation	43.01	12.01
Waterbody	21.40	5.98
Total	358.03	100.00

5.7.3 Ward Action Plan Proposals

5.7.3.1 Proposed Land Use Zoning

The category wise proposals are presented here. Table 30 shows the amount of land uses in Ward no 5. Map shows proposed land use of Ward 05.

Table- 30: Proposed Land Uses of Ward No. 05

Proposed Landuse	Area (Acre)	%
Agriculture	195.81	54.69
Commercial use	0.23	0.06
Education and research institute	0.47	0.13
Open Space/green space	6.48	1.81
Public Administrative and Defence and Community Facilities	0.07	0.02
Public services and utilities	0.91	0.26
Residential use	103.92	29.03
Road	37.17	10.38
Transportation facilities	0.00	0.00
Waterbody	12.97	3.62
Total	358.03	100

5.7.3.2 Development Proposals for Ward No-5

The consultant proposes some urban facilities in Ward No-5. It includes Kitchen Market, Waste Transfer Station, and Administrative Office etc. The details of the proposal is given in the table below.

Table- 31: Development Proposals for ward 05 (Mouza Wise)

SPZ Name	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban Fringe	Commercial	Kitchen Market	1.19	5, 6	Baraitala	28	2	365, 384, 386, 387, 388, 389, 390, 391
							3	942, 959
Urban Fringe	Commercial	Kitchen Market	0.22	5	Baraitala	28	3	1106, 1107, 1108
Urban Fringe	Community Service	Waste Transfer Station	0.13	5	Baraitala	28	3	1105, 1106, 1107, 1109
Urban Fringe	Administrative/Public Service	Ward Councilor's Office-05	0.07	5	Baraitala	28	3	1098, 1099, 1109

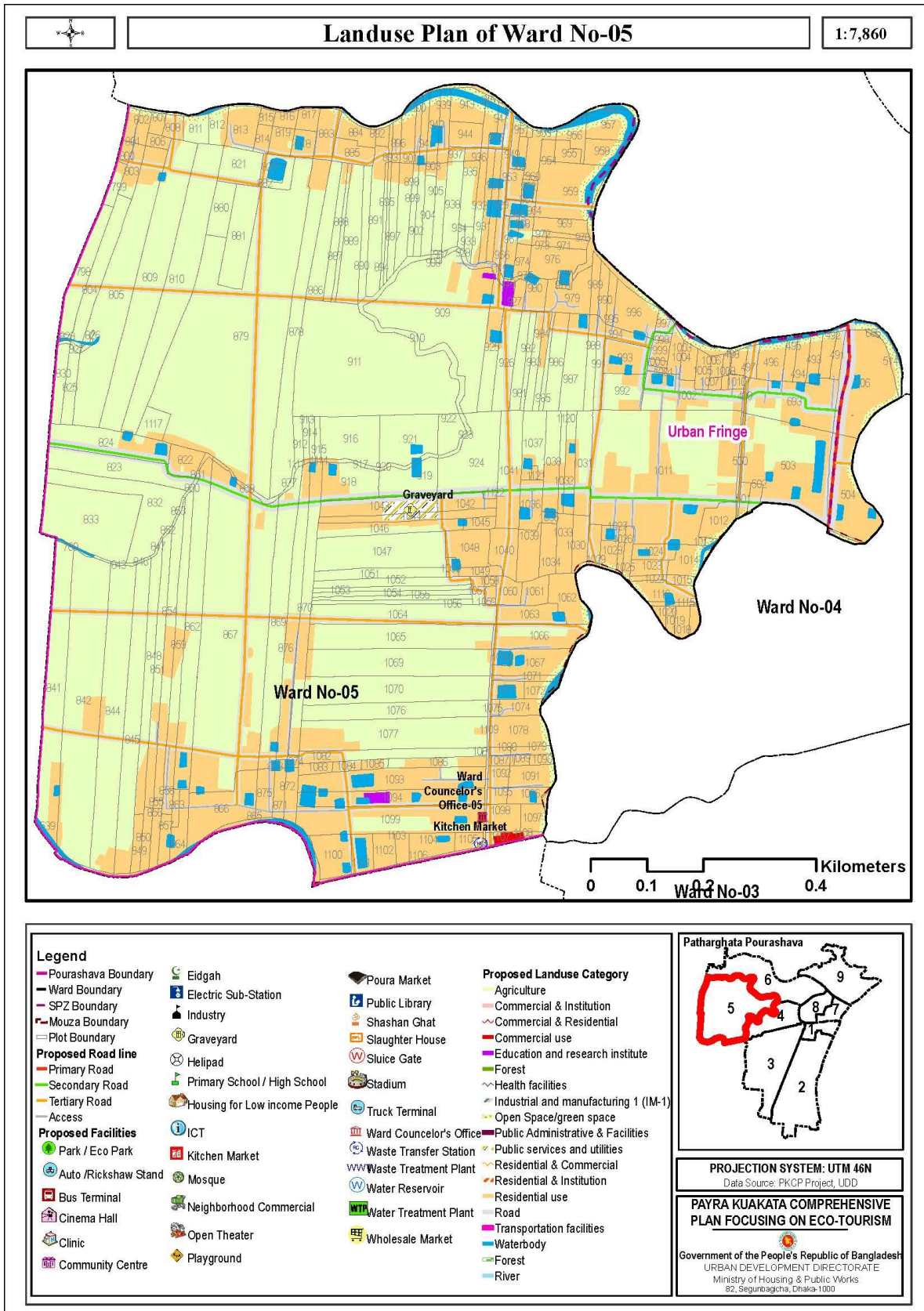


Figure 19: Ward Action Plan for Ward No-5

Source: PKCP Project, UDD. 2018

5.8 Ward Action Plan for Ward No. 06

5.8.1 Demography

Ward No. 6 consists of the mouzas named Ghutabachha and Baraitala. It is situated on the northern part of the Pourashava and Upazila area is on the north and west, Ward No. 5 on the south and Ward No. 8 and 9 on the east. Present population of the Ward is 3152 (2022) and it will 4077 in the year 2031 and 4981 in 2041. Density of population is 12 persons per acre and it will be 15 in the year 2031.

Table- 32: Population Statistics of Ward No. 06

Item	2011	2022	2031	2041
Area (acre)	273.0			
Population	2368	3152	4077	4981
Density	9	12	15	19

5.8.2 Review of Existing Land Use

Out of total 273 acres of land of this ward, more than 88.08 acres of land i.e. 32.26% is used in residential. The agricultural use with 96.14 acres, occupies 35.22% of total land, water bodies 8.76%, commercial use 1.43%, mixed use 0.07% and Transportation and Communication 3.45%. Only 0.35% of land is used as education facilities.

Table- 33: Existing Landuse category in Ward-06

Landuse Category	Area (Acre)	%
Administrative/Public Service	1.05	0.38
Agriculture	96.14	35.22
Commercial	3.91	1.43
Community Service	0.80	0.29
Education and Research	0.95	0.35
Health Service	0.05	0.02
Manufacturing and Processing	2.52	0.92
Mixed Use	0.19	0.07
Residential	88.08	32.26
Service Activity	0.85	0.31
Transportation and Communication	9.42	3.45
Vacant Land	3.75	1.37
Vegetation	41.38	15.16
Waterbody	23.93	8.76
Total	273.00	100.00

5.8.3 Ward Action Plan Proposals

5.8.3.1 Proposed Land Use Zoning

The category wise proposals are presented here. Table 34 shows the amount of land uses in Ward no 6. Map shows proposed land use of Ward 06.

Table- 34: Proposed Land Uses of Ward No. 06

Proposed Landuse	Area (Acre)	%
Agriculture	57.30	20.99
Commercial & Residential	13.53	4.96
Commercial use	5.27	1.93
Education and research institute	2.24	0.82
Health facilities	0.76	0.28
Industrial and manufacturing 1 (IM-1)	7.25	2.66
Open Space/green space	13.07	4.79
Public Administrative and Defence and Community Facilities	0.25	0.09
Public services and utilities	5.14	1.88
Residential & Commercial	11.39	4.17
Residential use	92.90	34.03
Road	47.06	17.24
Transportation facilities	5.23	1.92
Waterbody	11.60	4.25
Total	273.00	100

5.8.3.2 Development Proposals for Ward No-6

The consultant proposes some urban facilities in Ward No-6. It includes ICT, School, Clinic, Kitchen Market, Waste Transfer Station, and Administrative Office etc. The details of the proposal is given in the table below.

Table- 35: Development Proposals for ward 06 (Mouza Wise)

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban	COM-2	Commercial	Kitchen Market	1.19	5, 6	Baraitala	28	2	365, 384, 386, 387, 388, 389, 390, 391
								3	942, 959
Urban	COM-5	Commercial	Neighborhood Commercial	7.35	6, 7, 8	Baraitala	28	2	632, 634, 635, 636, 637, 638, 654
						Ghutabachha	12	5	2863, 2864, 2867, 2868, 2869, 2870, 2871, 2872,

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
									2875, 2876, 2877, 2878, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 3398
Urban Fringe	CO M-6	Commercial	Neighborhood Commercial	4.29	6	Baraitala	28	2	328, 428, 430, 431, 432, 438, 439, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 454, 455, 458, 459, 464, 465, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 520, 551, 552
Urban	CS-12	Community Service	Waste Transfer Station	0.79	6	Baraitala	28	2	365, 383, 414, 415
Urban	CS-17	Community Service	Water Treatment Plant	3.80	6	Baraitala	28	2	538, 539, 541, 544, 545, 548, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 570, 589, 590, 591, 592, 599, 679
						Ghutab achha	12	4	2467
Urban	CS-2	Community Service	Community Centre	2.05	6	Baraitala	28	2	416, 428, 429, 430, 431, 432, 433, 695
Urban	ER-2	Education and Research	ICT	1.83	6	Baraitala	28	2	632, 638, 639, 640, 641, 645, 646, 654
Urban	ER-5	Education and Research	School	0.43	6	Baraitala	28	2	428, 430, 431, 432
Urban	HS-2	Health Service	Clinic	1.02	6	Baraitala	28	2	416, 432, 433, 695
Urban	I-2	Manufacturing and Processing	Light Industrial Area	7.97	6	Baraitala	28	2	567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 654, 680, 681, 682, 683
						Ghutab	12	4	2467

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
						achha		5	3398
Urban	OR-10	Open Space and Recreationa l	Amusement Park	6.28	6	Baraital a	28	2	578, 579, 580, 616, 617, 618, 619, 620, 648, 649, 650
Urban	OR-2	Open Space and Recreationa l	Playground	1.60	6	Baraital a	28	2	416, 428, 430, 431, 432, 433, 695
Urban	PRA-3	Residential	Housing for Low income People	0.91	6	Baraital a	28	2	454, 455, 458, 459, 462, 466, 467, 468, 469, 548, 549, 550, 551, 552, 553, 554, 555, 556
Urban Fringe	PUS-6	Administrati ve/Public Service	Ward Council or's Office-06	0.25	6	Baraital a	28	2	328, 359, 360, 361, 362, 363, 372, 657
Urban	TR-1	Transportati on and Communication	Truck Termina l	1.76	6	Baraital a	28	2	454, 455, 458, 459, 462, 463, 464, 465, 466, 467, 469, 551, 552
Urban	TR-2	Transportati on and Communication	Bus Termina l	4.75	6	Baraital a	28	2	328, 428, 454, 455, 458, 459, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 483, 484

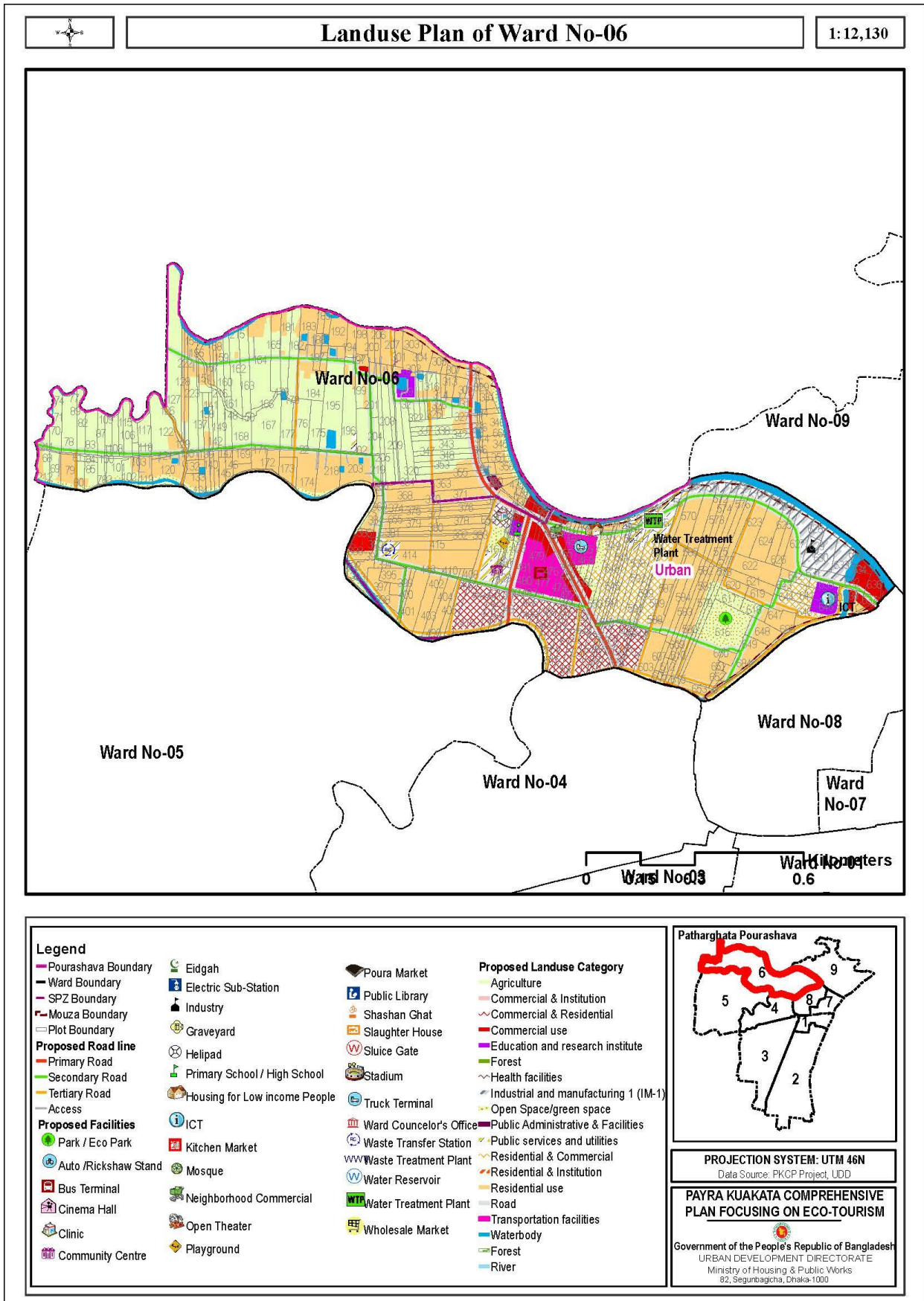


Figure 20: Ward Action Plan for Ward No-6

Source: PKCP Project, UDD. 2018

5.9 Ward Action Plan for Ward No. 07

5.9.1 Demography

Ward No. 7 consists of the mouza named Ghutabachha. It is situated on the northeastern part of the Pourashava and Ward No. 8 is on the north, Ward No. 1 on the south, Biskhali River on the east and Ward No. 4 on the west. Present population of the Ward is 1880 (2022) and it will 1951 in the year 2031 and 2008 in 2041. Density of population is 40 persons per acre and it will be 41 in the year 2031.

Table- 36: Population Statistics of Ward No. 07

Item	2011	2022	2031	2041
Area (acre)	47.0			
Population	1804	1880	1951	2008
Density	39	40	41	42

5.9.2 Review of Existing Land Use

Out of total 47.0 acres of land of this ward, more than 21.49 acres of land i.e. 45.73% is used in residential. The agricultural use with 0.10 acres, occupies 0.21% of total land, water bodies 20.98%, commercial use 3.71%, mixed use 0.51% and Transportation and Communication 5.88%. Only 0.95% of land is used as education facilities.

Table- 37: Existing Landuse category in Ward-07

Landuse Category	Area (Acre)	%
Agriculture	0.10	0.21
Commercial	1.74	3.71
Community Service	0.19	0.40
Education and Research	0.45	0.95
Forest	2.12	4.50
Manufacturing and Processing	0.72	1.52
Mixed Use	0.24	0.51
Residential	21.49	45.73
Service Activity	0.03	0.07
Transportation and Communication	2.76	5.88
Vacant Land	5.50	11.71
Vegetation	1.81	3.85
Waterbody	9.86	20.98
Total	47.00	100.00

5.9.3 Ward Action Plan Proposals

5.9.3.1 Proposed Land Use Zoning

The category wise proposals are presented here. Table 38 shows the amount of land uses in Ward no 7. Map shows proposed land use of Ward 07.

Table- 38: Proposed Land Uses of Ward No. 07

Proposed Landuse	Area (Acre)	%
Commercial use	1.97	4.20
Education and research institute	0.22	0.46
Forest	2.12	4.50
Industrial and manufacturing 1 (IM-1)	1.53	3.26
Open Space/green space	1.18	2.51
Public Administrative and Defence and Community Facilities	0.27	0.58
Public services and utilities	3.54	7.53
Residential & Commercial	8.06	17.15
Residential use	11.87	25.25
Road	10.21	21.72
Transportation facilities	0.08	0.16
Waterbody	5.96	12.68
Total	47.00	100

5.9.3.2 Development Proposals for Ward No-7

The consultant proposes some urban facilities in Ward No-7. It includes Neighborhood Commercial, Stadium, Sluice Gate and Administrative Office etc. The details of the proposal is given in the table below.

Table- 39: Development Proposals for ward 07 (Mouza Wise)

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban	COM-1	Commercial	Fish Processing Zone	0.69	7	Ghutabachha	12	5	2855, 2858, 2859, 2860, 2883, 3396
						Patharghata	36	2	505
Urban	COM-5	Commercial	Neighborhood Commercial	7.35	6, 7, 8	Baraitala	28	2	632, 634, 635, 636, 637, 638, 654
						Ghutabachha	12	5	2863, 2864, 2867, 2868, 2869, 2870, 2871, 2872, 2875, 2876,

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
									2877, 2878, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 3398
Urban	CS-11	Community Service	Stadium	3.40	7	Ghutabachha	12	5	2840, 2841, 2843, 2844, 2847, 2848, 2849, 2851, 2852, 2853, 2854, 2856
Urban	CS-9	Community Service	Shashan Ghat	0.50	1, 7	Ghutabachha	12	5	N/A
Urban	OR-11	Open Space and Recreational	Bangabon dhu River View	0.96	7	Ghutabachha	12	5	2840, 2841, 2844, 2845, 2847, 2849, 2853, 2854, 2855, 2856, 2862
Urban	PUS-7	Administrative/Public Service	Ward Councilor's Office-07	0.12	7	Ghutabachha	12	5	2855, 2859, 2860
Urban	TR-7	Transportation and Communication	Sluice Gate	0.09	1, 7	Patharghata	36	2	N/A
Urban	WR-1	Waterbody	Water Reservoir	4.35	1, 7, 8	Ghutabachha	12	5	2883, 2884, 2885, 2886, 2887, 3396
						Patharghata	36	2	505

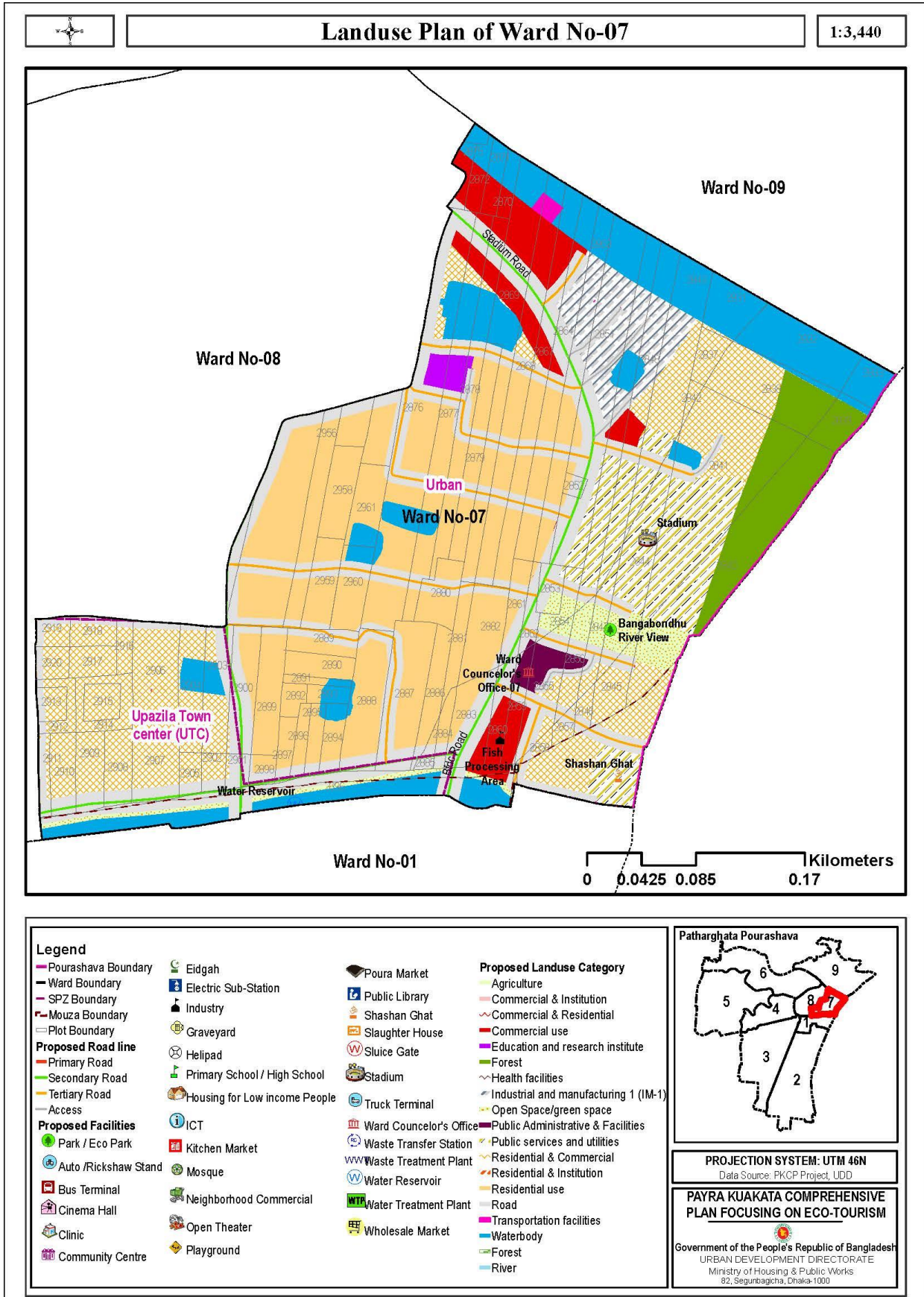


Figure 21: Ward Action Plan for Ward No-7

Source: PKCP Project, UDD. 2018

5.10 Ward Action Plan for Ward No. 08

5.10.1 Demography

Ward No. 8 consists of the mouza named Patharghata. It is situated on the northeastern part of

the Pourashava and Ward No. 9 is on the north, Ward No. 7 on the south, Biskhali River on the

east and Ward No. 6 on the west. Present population of the Ward is 1880 (2022) and it will be 2346 in the year 2031 and 2537 in 2041. Density of population is 28 persons per acre and it will be 42 in the year 2041.

Table- 40: Population Statistics of Ward No. 08

Item	2011	2022	2031	2041
Area (acre)	66.87			
Population	1898	2122	2346	2537
Density	28	32	35	42

5.10.2 Review of Existing Land Use

Out of total 66.87 acres of land of this ward, more than 37.94 acres of land i.e. 56.73% is used in residential. The agricultural use with 0.14 acres, occupies 0.21% of total land, water bodies 14.30%, commercial use 5.02%, mixed use 0.88% and Transportation and Communication 5.64%. Only 1.56% of land is used as education facilities.

Table- 41: Existing Landuse category in Ward-08

Landuse Category	Area (Acre)	%
Administrative/Public Service	1.25	1.87
Agriculture	0.14	0.21
Commercial	3.36	5.02
Community Service	0.77	1.15
Education and Research	1.04	1.56
Manufacturing and Processing	0.12	0.18
Mixed Use	0.59	0.88
Open Space and Recreational	1.54	2.30
Residential	37.94	56.73
Service Activity	0.94	1.40
Transportation and Communication	3.77	5.64
Vacant Land	0.42	0.63
Vegetation	5.44	8.13
Waterbody	9.56	14.30
Total	66.87	100.00

5.10.3 Ward Action Plan Proposals

5.10.3.1 Proposed Land Use Zoning

The category wise proposals are presented here. Table 42 shows the amount of land uses in Ward no 8. Map shows proposed land use of Ward 08.

Table- 42: Proposed Land Uses of Ward No. 08

Proposed Landuse	Area (Acre)	%
Commercial & Institution	0.94	1.41
Commercial & Residential	2.75	4.11
Commercial use	2.08	3.11
Education and research institute	1.45	2.16
Open Space/green space	2.54	3.79
Public Administrative and Defence and Community Facilities	0.39	0.59
Public services and utilities	0.04	0.06
Residential & Commercial	2.68	4.00
Residential & Institution	3.59	5.37
Residential use	29.52	44.14
Road	15.23	22.77
Transportation facilities	0.00	0.00
Waterbody	5.67	8.48
Total	66.87	100

5.10.3.2 Development Proposals for Ward No-8

The consultant proposes some urban facilities in Ward No-8. It includes Neighborhood Commercial, Slaughter House, Water Reservoir and Administrative Office etc. The details of the proposal are given in the table below.

Table- 43: Development Proposals for ward 08 (Mouza Wise)

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban	CO M-5	Commercial	Neighborhood Commercial	7.35	6, 7, 8	Baraitala	28	2	632, 634, 635, 636, 637, 638, 654
						Ghutabachha	12	5	2863, 2864, 2867, 2868, 2869, 2870, 2871, 2872, 2875, 2876, 2877, 2878, 2963, 2964,

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
									2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 3398
UTC	CS-10	Community Service	Slaughter House	0.08	8	Ghutab achha	12	5	2933, 2934, 2967
UTC	CS-13	Community Service	Waste Transfer Station	0.26	8	Ghutab achha	12	5	2922, 2923, 2926, 2927, 2939
UTC	PUS-8	Administrative/Public Service	Ward Councilor's Office-08	0.10	8	Ghutab achha	12	5	3394
UTC	WR-1	Waterbody	Water Reservoir	4.35	1, 7, 8	Ghutab achha	12	5	2883, 2884, 2885, 2886, 2887, 3396
						Pathar ghata	36	2	505
UTC	WR-2	Waterbody	Water Reservoir	1.25	4, 8	Ghutab achha	12	5	3396
						Pathar ghata	36	2	236, 237, 238, 505

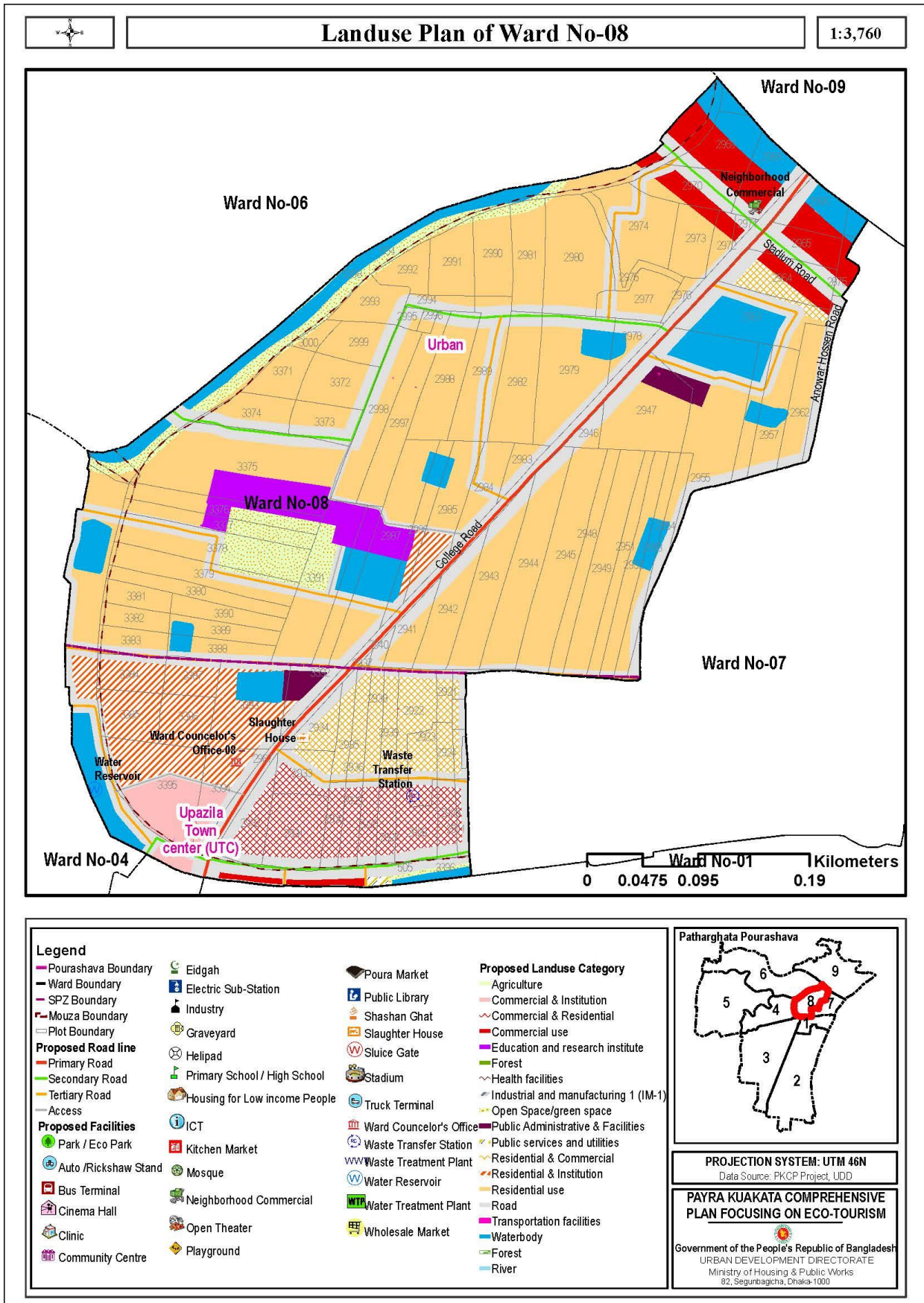


Figure 22: Ward Action Plan for Ward No-8

Source: PKCP Project, UDD. 2018

5.11 Ward Action Plan for Ward No. 09

5.11.1 Demography

Ward No. 9 consists of the mouza named Ghutabachha. It is situated on the northeastern part of the Pourashava and Upazila area is on the north and east, Biskhali River on the south and Ward No. 6 on the west. Present population of the Ward is 2818 (2022) and it will 3662 in the year 2031 and 4491 in 2041. Density of population is 14 persons per acre and it will be 22 in the year 2031.

Table- 44: Population Statistics of Ward No. 08

Item	2011	2022	2031	2041
Area (acre)	209.66			
Population	2106	2818	3662	4491
Density	10	14	18	22

5.11.2 Review of Existing Land Use

Out of total 209.66 acres of land of this ward, more than 61.37 acres of land i.e. 29.27% is used in residential. The agricultural use with 53.07 acres, occupies 25.31% of total land, water bodies 10.21%, commercial use 1.12%, mixed use 0.09% and Transportation and Communication 2.61%. Only 0.66% of land is used as education facilities.

Table- 45: Existing Landuse category in Ward-09

Landuse Category	Area (Acre)	%
Agriculture	53.07	25.31
Commercial	2.35	1.12
Community Service	0.33	0.16
Education and Research	1.38	0.66
Forest	25.28	12.06
Manufacturing and Processing	1.19	0.57
Mixed Use	0.18	0.09
Open Space and Recreational	0.06	0.03
Residential	61.37	29.27
Service Activity	0.54	0.26
Transportation and Communication	5.47	2.61
Vacant Land	4.32	2.06
Vegetation	32.72	15.60
Waterbody	21.41	10.21
Total	209.66	100.00

5.11.3 Ward Action Plan Proposals

5.11.3.1 Proposed Land Use Zoning

The category wise proposals are presented here. Table 46 shows the amount of land uses in Ward no 9. Map shows proposed land use of Ward 09.

Table- 46: Proposed Land Uses of Ward No. 09

Proposed Landuse	Area (Acre)	%
Agriculture	43.61	20.80
Commercial & Residential	6.98	3.33
Commercial use	7.24	3.45
Education and research institute	1.53	0.73
Forest	20.24	9.65
Health facilities	1.27	0.61
Industrial and manufacturing 1 (IM-1)	3.37	1.61
Open Space/green space	6.85	3.27
Public Administrative and Defence and Community Facilities	0.19	0.09
Public services and utilities	4.18	1.99
Residential use	68.19	32.53
Road	32.03	15.28
Transportation facilities	1.88	0.90
Waterbody	12.10	5.77
Total	209.66	100

5.11.3.2 Development Proposals for Ward No-9

The consultant proposes some urban facilities in Ward No-9. It includes Mosque, Library, School, Light Industry and Administrative Office etc. The details of the proposal is given in the table below.

Table- 47: Development Proposals for ward 08 (Mouza Wise)

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Urban	CO M-4	Commercial	Neighborhood Commercial	8.17	9	Ghutab achha	12	5	2619, 2620, 2621, 2622, 2623, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2966, 2967, 2968, 3397
Urban	CS-16	Community Service	Waste Treatment	1.01	9	Ghutab achha	12	5	2638, 2641, 2642, 2645

SPZ Name	ID NO	Proposed Landuse	Proposals Name	Area	Location (Ward)	Mouza Name	JL No	Sheet No	Plot No
Fringe			t Plant						
Urban	CS-3	Community Service	Eidgah	2.21	9	Ghutab achha	12	5	2616, 2619, 2620, 2621, 2622, 2623
Urban	CS-6	Community Service	Mosque	1.25	9	Ghutab achha	12	5	2616, 2625
Urban	CS-8	Community Service	Public Library	0.43	9	Ghutab achha	12	5	2587, 2594
Urban	ER-3	Education and Research	School	0.95	9	Ghutab achha	12	5	2615, 2616
Urban	HS-1	Health Service	Clinic	1.57	9	Ghutab achha	12	5	2601, 2602, 2616
Urban	I-1	Manufacturing and Processing	Light Industrial Area	2.44	9	Ghutab achha	12	5	2572, 2573, 2574, 2576, 2577, 2580, 2581, 2589, 2590, 2591, 2592, 2593, 2596, 2597, 2599
Urban	I-3	Manufacturing and Processing	Heavy Industrial Area	1.73	9	Ghutab achha	12	5	2815, 2823, 2824, 2825, 2826, 2843, 2848, 2849, 2851
Urban	OR-1	Open Space and Recreational	Playground	0.75	9	Ghutab achha	12	5	2594, 2595, 2605
Urban Fringe	PU S-9	Administrative/Public Service	Ward Councilor's Office-09	0.19	9	Ghutab achha	12	5	2871, 2872, 2873
Urban	TR-3	Transportation and Communication	Tempo/Rickshaw Stand	0.80	9	Ghutab achha	12	5	2623, 2624, 2625, 3397
Urban	TR-9	Transportation and Communication	Bus Terminal	1.54	9	Ghutab achha	12	5	2619, 2620, 2621, 2967

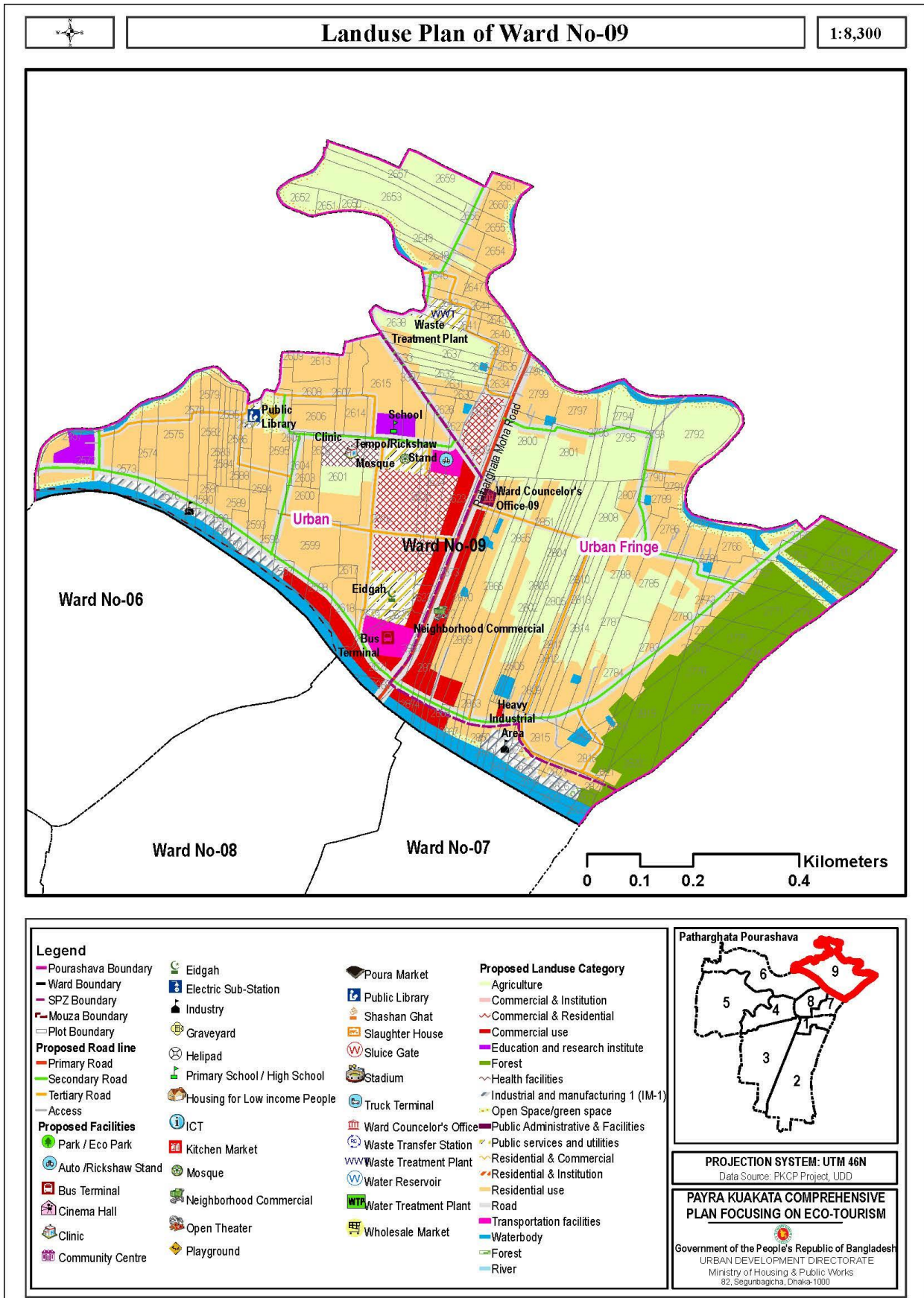




Figure 24: Proposed Land Use Plan

Source: PKCP Project, UDD. 2018

CHAPTER- 6: Urban Area Plan

6.1 Introduction

This Chapter describes the Urban Area Plan development proposals for future development of the urban area. The proposals have been made at the urban level, that is, the area under the urban area plan. The development proposals deal with the basic urban services, like, water supply, drainage, sanitation, solid waste, telecommunication, electricity and gas, community facilities, education and health.

The land use plan is the principal component of the Urban Area Plan. The plan must consider the allocation of land for residence, business, industry, potential municipal facilities, public and private recreation, major institutional facilities, mixed uses, open space and natural and fragile areas. Optimum intensities and standards of development must be established for each use classification and location based upon current development, natural land characteristics, and projected municipal services and facilities.

The characteristics, trends and projections of population and employment will be essential input to the allocation of land areas for use. The plan should show how the projections have been used to determine amounts of land needed for residential, industrial, and other purposes. These quantitative relationships carry over to other components of the plan in that certain facilities and services (utilities, transportation, recreation areas etc.) are needed to support the land allocation to each use.

6.2 Land use plan components

One of the objectives of land use plan is to designate appropriate areas for residential, commercial, industrial, parks and open space, and various types of community and public facilities that will be mutually supportive, equitably distributed and will accommodate the projected need for reasonable development opportunities in each sector. Following is the classification of land use that may be used as a guide for designating appropriate areas for different types of land uses in the potential paurashava depending upon its size and its socio-economic and physical characteristics.

Land Development Management Zones

As a basis of land development management for Rangabali Upazila, the urban area plan designates fourteen development management zones as listed below and which are indicated on the potential urban area plan map.

For each of these zones, land uses are indicated in three categories –permitted uses, conditional uses and use requiring a special plan review.

Table-05: Land Zone Definition

	Land use	Permit	Remarks
1	Residential a. Low density residential b. Medium density c. High density residential d. Planned residential e. Special area (aborigine’s area, fishermen’s area, low income housing)	Residential developments for: 1. Flats 2. Condominium 3. Town house 4. Terrace House 5. Semi-Detached House 6. Detached House 7. Strata-Landed Housing 8. Retirement Housing 9. Serviced Apartments 10. Student Hostel	The developments in this zone are subject to controls on building form and building height as determined by the competent authority. The quantum of all ancillary or non-residential uses needed for support or management of a residential estate are to be determined by the competent authority according to the scale of the residential development.
2	Commercial a. Central Business District/ Town center b. Community commercial c. Neighborhood commercial d. ICT/e-commerce center e. Urban Street Vendor f. Farmer’s market	Developments for: 1. Offices 2. Mixed Uses (e.g. Office/Shopping/Cinema/Hotel/Flat). 3. Convention/Exhibition Centre 4. Commercial 5. Bank 6. Market/Food Centre/Restaurant 7. Cinema 8. Entertainment 9. Foreign Trade 10. Mission/Chancery	The developments in this zone are subject to controls on the type and quantum of commercial uses as determined by the competent authority.
3	Residential and Commercial	1. Flats with commercial uses at 1st storey 2. Shop 3. Residential Developments (e.g. Flats)	Commercial areas are normally restricted to the 1 st storey. Commercial areas may be allowed above and/or below the 1st storey subject to evaluation by the competent authority. Where the competent authority allows commercial areas above and/or below

			the 1 st storey, the total quantum of the floor area of commercial uses in the 1st and other storeys shall not exceed the maximum allowable floor area at the 1 st storey
4	Commercial and Residential	1. Mixed Commercial & Residential development (e.g. Shopping/Hotel/ Office & Residential)	Commercial areas shall not be located above residential areas. The type and quantum of commercial and related uses and the total quantum of such commercial and related uses shall be determined by the competent authority. The total quantum of commercial and related uses shall not, unless otherwise allowed by the competent authority exceed 40% of the maximum allowable floor area
5	Industrial and Manufacturing (IM-1)	Clean and Light industrial factories with one or more predominant uses as mentioned in industrial development act.	The quantum of permitted ancillary uses shall not exceed 40% of the total floor area. The types of uses that may be allowed are subject to the evaluation of the competent authority and other relevant authorities.
6	Health Facilities	1. Hospital 2. Polyclinic 3. Clinic/Dental Clinic 4. Veterinary Clinic 5. Nursing Home 6. Medical suite	Hospitals shall only be allowed subject to evaluation by the competent authority
7	Education and Research	1. Kindergarten 2. Primary School 3. Secondary School 4. Junior College 5. Institute of Technical Education 6. Polytechnic 7. University 8. Religious School/Institute 9. Foreign System School 10. Special Education School (e.g. School for the Disabled)	
8	Public Administrative and Community Facilities	Public Administrative 1. Courts 2. Police Station 3. Fire Station 4. Prison 5. Drug Rehabilitation Centre/Halfway House	The specific institutional use that may be allowed for a site is subject to evaluation by the competent authority.

		<p>6. Reformative Centre</p> <p>Community Institutions</p> <p>7. Association premises</p> <p>8. Community Centre/Club</p> <p>9. Community Hall</p> <p>10. Welfare Home</p> <p>11. Child Care Centre</p> <p>12. Home For The Aged</p> <p>13. Home For The Disabled</p> <p>14. Workers' Dormitory</p> <p>Cultural Institutions</p> <p>15. Television/Filming Studio Complex</p> <p>16. Performing Arts Centre</p> <p>17. Library</p> <p>18. Museum</p> <p>19. Arts Centre/Science Centre Concert Hall</p>	
9	Open Space/ Green Space	<p>1. Park</p> <p>2. Play-grounds (stadium, Play field etc.)</p> <p>3. Natural and underdeveloped resources areas (critical habitat areas, areas with natural beauty such as river bank or char, heritage sites etc.)</p> <p>4. Coastal Afforestation</p> <p>5. Swamp Area</p> <p>6. Natural Open Space</p>	<p>Where additional sites for open space are deemed necessary, they may be secured by the competent authority.</p> <p>The notations used to delineate the park connectors may not show their precise boundaries which are subject to interpretation and determination by the competent authority.</p>
10	Waterbody	<p>1. River</p> <p>2. Major Drain & Canal</p> <p>3. Reservoir</p> <p>4. Pond</p> <p>5. Pond (Conservation)</p>	<p>The notations used to delineate the drainage reserves may not show their precise alignment which are subject to interpretation and determination by the competent authority and other relevant authorities. Additional drainage reserves may be secured by the competent authority for any locality as may be deemed necessary.</p>
11	Road	<p>1. Roads (all category)</p> <p>2. Cycle tracks</p> <p>3. Footpath</p> <p>4. Special facilities for disabled and elderly people</p>	<p>The notations used to delineate the route of the roads may not show their precise alignment, which is subject to interpretation and determination by the competent authority and other relevant authorities.</p> <p>All roads including their junctions are subject to widening and improvement, as may be determined by the competent authority. Buffers along and adjoining roads may be required to be set aside where deemed</p>

			necessary by the competent authority. Additional road reserves may be secured by the competent authority for any locality as may be deemed necessary.
12	Transportation Facilities	Bus, truck, taxi terminal Rickshaw/tempo/ bike stand Launch/boat/steamer terminals Helipad/airport Driving Circuit/Test Centre Petrol Station	Petrol Station/Kiosk shall only be allowed subject to evaluation by the competent authority
13	Public Services and Utilities	ICT center Fire service Sewerage treatment/disposal area Waste disposal area Water supply/ treatment plant Rainwater harvest area Power station Graveyard/Cemetery/ Cremations area Electrical Substation Power Station Sports Facilities (Gymnasium)	Additional sites for such purposes for any locality may be secured by the competent authority where deemed necessary.
14	Agriculture	Agrotechnology Par Aquaculture Farm (e.g. Aquarium fish) Plant Nursery Hydroponics Farm Agriculture research/ experimental station	

Source: PKCP Project, UDD,2022

Proposed Facilities

Table-06: List of Proposed facilities

1. Waste Management Site	2. Fire Service Station	3. Ashrayon Area
4. Power Station	5. Orphanage	6. Health Center
7. Bus Terminal	8. Helipad	9. CNG Stand
10. Graveyard	11. Water Treatment Plant	12. Mosque
13. Public Library	14. Community Center	15. Fecal Sludge Treatment Plant
16. Health Center	17. Neighborhood Commercial	19. Technical Training Center

	18. Court	
20. IT Park	21. Open Space	22. Affordable Housing
23. Stadium	24. Town Hall	25. Public Toilet 26. Waste Transfer Station
27. Community Transport Stand	28. Park	29. Community Center
30. Community Commercial	31. Land Office	32. Market

Source: PKCP Project, UDD,2022

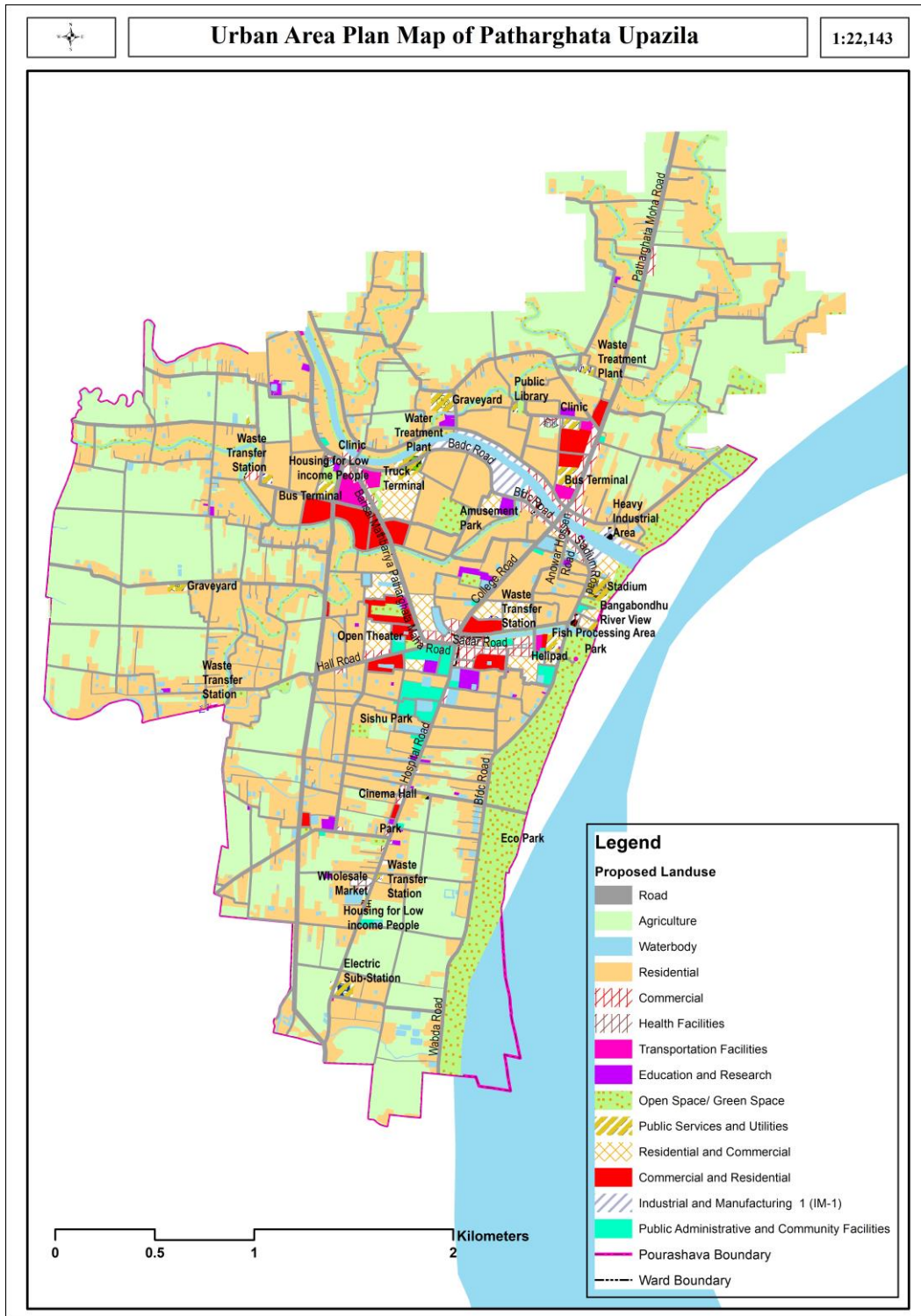


Figure 25: Urban Area Plan Map of Patharghata Pourashava

Source: PKCP Project, UDD. 2018

CHAPTER- 6: CONCLUSION

6.1 Conclusion

The Urban Area Plan of Patharghata Pourashava consists of the plans for Ward level Plan for the Pourashava. The Patharghata Pourashava has already Master Plan under execution, which has been updated for Detailed Action Area Plan under the current project. Some priority actions are suggested for short-term development. While preparing the Ward level Action Area Plans under the present project, major provisions of the existing Paurashava Master Plan were taken into consideration so that conflicts in development can be avoided. In the development process of the Pourashava, coordination among all local authorities within Patharghata Pourashava will be necessary for integrated development encompassing the potentials of urban areas. There is scope for local government authorities for cooperation and collaboration among themselves for local development in a comprehensive manner. It is expected that the Urban Area Plans prepared under the current project will provide essential tools for integrated development at Patharghata Pourashava.

ANNEXURE-A

Land use Permission

a. Residential

Land Use Permitted

The following uses in the tables are proposed to be applicable for this zone only.

Table A.1: Land Use Permitted

Permitted Urban Residential Uses	
Artisan's Shop	Project Identification Signs
Assisted Living or Elderly Home	Property Management Signs
Confectionery Shop	Public Transport Facility
Barber Shop	Satellite Dish Antenna
Child Daycare \ Preschool	Shelter (Passers By)
Cleaning \ Laundry Shop	Shoe Repair or Shoeshine Shop (Small)
Communication Service Facilities	CBO Office
Communication Tower Within Permitted Height	Special Dwelling
Condominium or Apartment	Temporary Tent
Cottage	Temporary tent for Permitted Function
Cyber Café	Newspaper Stand
Daycare Center (Commercial or Nonprofit)	Specialized School: Dance, Art, Music, Physically Challenged & Others
Drug Store or Pharmacy	Transmission Lines
Employee Housing (Guards \ Drivers) \ Ancillary Use	Urban-Nature Reserve
General Store	Utility Lines
Grocery Store	Woodlot
High School	Children's Park (Must Have Parking)
Household Appliance and Furniture Repair Service (No Outside Storage)	ATM Booth
Housing For Seasonal Firm Labor	Water Pump \ Reservoir
Landscape and Horticultural Services	Monument (Neighborhood Scale)
Mosque, Place Of Worship	Bill Payment Booth

Newspaper Stand	Boarding and Rooming House
Nursery School	Dormitory
Orphanage	Memorial Structure (Ancillary)
Eidgah	Neighborhood Center* (Where Neighborhood Center exists)
Photocopying and Duplicating Services (No Outside Storage)	Community Center
Pipelines and Utility Lines	Doctor \ Dentist Chamber
Playing Field	Cultural Exhibits and Libraries
Primary School	Fast Food Establishment \ Food Kiosk
Cyclone Shelter	Flowers, Nursery Stock and Florist Supplies
Private Garages (Ancillary Use)	Fitness Centre
Departmental Stores	Gaming Clubs
Retail Shops \ Facilities	

Source: Compiled by the Consultants

*Permission of Neighborhood Center Facilities in absence of formal neighborhood should be subject to Land use Permit Committee

Land Use Conditionally Permitted

The following uses may be permitted or disallowed in this zone after review and approval by the authority/committee following appropriate procedure while the application meets the criteria mentioned in the requirement.

Table A.2: Land Use Conditionally Permitted

Conditionally Permitted	Urban Residential Uses
Addiction Treatment Center	Flood Management Structure
Amusement and Recreation (Indoors)	Telephone Sub Station
Funeral Services	Electrical Sub Station
Art Gallery, Art Studio \ Workshop	Postal Facilities
Automobile Driving Academy	Sports and Recreation Club
Beauty and Body Service	Photofinishing Laboratory

Billiard Parlor \ Pool Hall	Post Office
Book or Stationery Store or Newsstand	Temporary Rescue Shed
Building Maintenance \ Cleaning Services, No Outside Storage	Tennis Club
Bus Passenger Shelter	Guest House
Graveyard \ Cemetery	Slaughter House
Coffee Shop \ Tea Stall	Static Transformer Stations
Correctional Institution	Tourist Home or Resort
Courier Service	Market (Bazar)
Crematorium	Optical Goods Sales
Plantation (Except Narcotic Plant)	Outdoor Café
Furniture & Variety Stores	Outdoor Fruit and Vegetable Markets
Emergency Shelter	Community Hall
Energy Installation	Neighborhood Co-Operative Office
Garages	Overhead Water Storage Tanks
Garden Center or Retail Nursery	Row House
Fire Brigade Station	Paints and Varnishes Store
Police Station	Parking Lot

Source: Compiled by the Consultants

Restricted Uses

All uses except permitted and conditionally permitted uses are restricted in this zone.

b. Industrial and Manufacturing 1(IM-1)

General Industry land use category approve only Green and Orange-A category industry mentioned in *The Environmental Conservation Rule, 1997*.The following uses in the tables are proposed to be applicable for this zone only.

Table A.3: Land Use Permitted

Permitted General Industrial Activities	
Confectionery Shop	Restaurant
Bank & Financial Institution	Retail Shops \ Facilities
Bicycle Assembly, Parts and Accessories	Salvage Processing
Blacksmith	Salvage Yards
Bus Passenger Shelter	Satellite Dish Antenna
Communication Tower Within Permitted Height	Sawmill, Chipping and Pallet Mill
Freight Transport Facility	Shelter (Passers By)
Police Box \ Barrack	Television, Radio or Electronics Repair (No
Fire \ Rescue Station	Transmission Lines
Grocery Store	Truck Stop & Washing or Freight Terminal
Household Appliance and Furniture Repair	Utility Lines
Machine Sheds	Wood Products
Meat and Poultry (Packing & Processing)	Woodlot
Mosque, Place Of Worship	ATM Booth
Newspaper Stand	Water Pump \ Reservoir
Photocopying and Duplicating Services	Effluent Treatment Plant
Pipelines and Utility Lines	Social Forestry
Printing, Publishing and Distributing Services	Public Transport Facility

Source: Compiled by the Consultants

Land Use Conditionally Permitted

The following uses may be permitted or denied in this zone after review and approval by the authority/committee following appropriate procedure.

Table A.4: Land Use Conditionally Permitted

Conditionally Permitted General Industrial Land Uses	
Amusement and Recreation (Indoors)	Super Store
Appliance Store	Lithographic or Print Shop
Plantation (Except Narcotic Plant)	Motor Vehicle Fueling Station \ Gas Station
Cyber Café	Motorcycle Sales Outlet
Daycare Center (Commercial or Nonprofit)	Outdoor Fruit and Vegetable Markets
Doctor \ Dentist Chamber	Outside Bulk Storage
Electrical and Electronic Equipment and Instruments Sales	Overhead Water Storage Tanks
Employee Housing	Painting and Wallpaper Sales
Energy Installation	Paints and Varnishes
Fast Food Establishment \ Food Kiosk	Parking Lot
Garages	Parking Lot (Commercial)
Grain & Feed Mills	Private Garages
Incineration Facility	Retail Shops Ancillary To Studio \ Workshop

Source: Compiled by the Consultants

Restricted Uses

All other uses; except the permitted and conditionally permitted uses.

c. Commercial Zone/ Commercial and Residential Zone

Land Use Permitted

Commercial zone is mainly intended for supporting the office and business works. There are several functions that are permitted in this zone.

Table A.5: Land Use Permitted

Permitted Commercial Activity	
Accounting, Auditing or Bookkeeping Services	Market (Bazar)
Billboards, Advertisements & Advertising	Mosque, Place Of Worship
Agri-Business	Motorcycle Sales Outlet
Agricultural Sales and Services	Multi-Storey Car Park
Ambulance Service	Newspaper Stand
Antique Shop	Outdoor Fruit and Vegetable Markets
Appliance Store	Outdoor Recreation, Commercial
Auction Market	Parking Lot (Commercial)
Auditorium, Coliseum, Meeting Halls, and	Pet Store
Conference Facilities, Convention	Photocopying and Duplicating Services
Auto Leasing or Rental Office	Photofinishing Laboratory & Studio
Auto Paint Shop	Pipelines and Utility Lines
Auto Parts and Accessory Sales (Indoors)	Post Office
Auto Repair Shop (With Garage)	Preserved Fruits and Vegetables Facility \
Automobile Wash	Cold Storage
Automobile Sales	Printing, Publishing and Distributing
Confectionery Shop	Project Identification Signs
Bakery or Confectionery Retail	Property Management Signs
Bank & Financial Institution	Public Transport Facility
Barber Shop	Refrigerator or Large Appliance Repair
Beauty and Body Service	Resort
Bicycle Shop	Restaurant
Billiard Parlor \ Pool Hall	Retail Shops \ Facilities
Book or Stationery Store or Newsstand	Salvage Processing

Building Material Sales or Storage (Indoors)	Salvage Yards
Bulk Mail and Packaging	Satellite Dish Antenna
Bus Passenger Shelter	Sawmill, Chipping and Pallet Mill
Cinema Hall	Shelter (Passers By)
Communication Service Facilities	Shopping Mall \ Plaza
Communication Tower Within Permitted Height	Slaughter House
Computer Maintenance and Repair	Software Development
Computer Sales & Services	Sporting Goods and Toys Sales
Conference Center	Taxi Stand
Construction Company	Telephone Exchanges
Courier Service	Television, Radio or Electronics Repair (No Outside Storage)
Cyber Café	Theater (Indoor)
Daycare Center (Commercial or Nonprofit)	Transmission Lines
Department Stores, Furniture & Variety Stores	Utility Lines
Doctor \ Dentist Chamber	Vehicle Sales & Service, Leasing or Rental
Drug Store or Pharmacy	Veterinarian Clinics, Animal Hospitals, Kennels and Boarding Facilities
Electrical and Electronic Equipment and	Warehousing
Instruments Sales	Wood Products
Fast Food Establishment \ Food Kiosk	Woodlot
Freight Handling, Storage & Distribution	ATM Booth
Freight Transport Facility	Water Pump \ Reservoir
Freight Yard	Agro-Based Industry (Rice Mill, Saw Mill, Cold Storage)
General Store	Social Forestry
Grocery Store	Inter-City Bus Terminal
Guest House	Jewelry and Silverware Sales
Hotel or Motel	Junk \ Salvage Yard
Flat/House	Super Store

Source: Compiled by the Consultants

Land Use Conditionally Permitted

Some functions are permitted with some condition in this zone.

Table A.6: Land Use Conditionally Permitted

Conditionally permitted commercial activities	
Amusement and Recreation (Indoors)	Fire \ Rescue Station
Bicycle Assembly, Parts and Accessories	Grain & Feed Mills
Broadcast Studio \ Recording Studio (No Audience)	Household Appliance and Furniture Repair Service
Coffee Shop \ Tea Stall	Incineration Facility
Concert Hall, Stage Shows	Indoor Amusement Centers, Game Arcades
Construction, Survey, Soil Testing Firms	Indoor Theatre
Trade Shows	Lithographic or Print Shop
Craft Workshop	Motor Vehicle Fuelling Station \ Gas Station
Plantation (Except Narcotic Plant)	Musical Instrument Sales or Repair
Energy Installation	Optical Goods Sales
Firm Equipment Sales & Service	Painting and Wallpaper Sales
Agricultural Chemicals, Pesticides or Fertilizers Shop	Paints and Varnishes
Fitness Centre	Parking Lot
Flowers, Nursery Stock and Florist Supplies	Patio Homes
Forest Products Sales	Postal Facilities
Fuel and Ice Dealers	Poultry
Garages	Private Garages
Garden Center or Retail Nursery	Professional Office
Police Box \ Barrack	Retail Shops Ancillary To Studio \ Workshop
	Stone \ Cut Stone Products Sales

Source: Compiled by the Consultants

Restricted Uses

All other uses except; the permitted and conditionally permitted uses.

d. Residential

Land Use Permitted

The following uses in the tables are proposed to be applicable for this zone only.

Table A.7: Land Use Permitted

Permitted Rural Settlement	
Agricultural Dwellings	Playing Field
Animal Husbandry	Satellite Dish Antenna

Animal Shelter	NGO \ CBO Facilities
Graveyard \ Cemetery	Special Dwelling (E.G. Dorm For Physically Challenged Etc.)
Child Daycare \ Preschool	Temporary Shed \ Tent
Primary School	Specialized School: Dance, Art, Music, Physically Challenged & Others
Communication Tower Within Permitted Height	Static Electrical Sub Stations
Cottage	Transmission Lines
Crematorium	Utility Lines
Dairy Farming	Woodlot
General Store	Plantation (Except Narcotic Plant)
Grocery Store	Social Forestry
Handloom (Cottage Industry)	Memorial Structure
Housing For Seasonal Firm Labor	orphanage
Mosque, Place Of Worship	Outdoor Religious Events (Eidgah)
Newspaper Stand	Nursery School

Source: Compiled by the Consultants

Land Use Conditionally Permitted

The following uses may be permitted or disallowed in this zone after review and approval by the authority/committee following appropriate procedure while the application meets the criteria mentioned in the requirement.

Table No. A.8: Land Use Conditionally Permitted

Conditionally permitted uses under Rural Settlement	
Artisan's Shop (Potter, Blacksmith and Goldsmith Etc.)	Garden Center or Retail Nursery
Research organization (Agriculture \ Fisheries)	Emergency Shelter
Energy Installation	Sports and Recreation Club, Firing Range: Indoor
Fish Hatchery	

Source: Compiled by the Consultants

Restricted Uses

All uses except permitted and conditionally permitted uses are restricted in this zone.

e. Residential and Commercial

Land Use Permitted

The following uses in the tables are proposed to be applicable for this zone only.

Table A.11: Land Use Permitted

Permitted uses in Mixed Use Zone	
Accounting, Auditing or Bookkeeping Services	Fast Food Establishment \ Food Kiosk
Residential Structure(Flat/Apartment/Row House)	Funeral Services
Addiction Treatment Center	General Store
Billboards, Advertisements & Advertising Structure	Grocery Store
	Guest House
Agricultural Sales and Services	Hospital
Antique Store	Jewelry and Silverware Sales
Appliance Store	Landscape and Horticultural Services
Art Gallery, Art Studio \ Workshop	Mosque, Place Of Worship
Artisan’s Shop	Newspaper Stand
Assisted Living or Elderly Home	Nursery School
Auditorium, Coliseum, Meeting Halls, and Conference Facilities, Convention	Photocopying and Duplicating Services
	Pipelines and Utility Lines
Auto Leasing or Rental Office	Primary School
Automobile Wash	Project Identification Signs
Automobile Driving Academy	Property Management Signs
Confectionery Shop	Public Transport Facility
Bakery or Confectionery Retail	Resort
Bank & Financial Institution	Satellite Dish Antenna
Barber Shop	Shelter (Passers By)
Bicycle Shop	Shoe Repair or Shoeshine Shop (Small)
Billiard Parlor \ Pool Hall	Slaughter House
Blacksmith	Social organization
Boarding and Rooming House	Software Development

Book or Stationery Store or Newsstand	Special Dwelling
Bus Passenger Shelter	Toys and Hobby Goods Processing and
Child Daycare \ Preschool	Training Centre
Cleaning \ Laundry Shop	Transmission Lines
Commercial Recreational Buildings	Utility Lines
Communication Service Facilities	Vehicle Sales & Service, Leasing or Rental
Communication Tower Within Permitted Height	Warehousing
Community Center	Woodlot
Condominium or Apartment	Children's Park
Correctional Institution	ATM Booth
Courier Service	Water Pump \ Reservoir
Cyber Café	Social Forestry
Daycare Center (Commercial or Nonprofit)	Dormitory
Doctor \ Dentist Chamber	Rickshaw \ Auto Rickshaw Stand
Employee Housing	
Fabric Store	

Source: Compiled by the Consultants

Land Use Conditionally Permitted

The following uses may be permitted or disallowed in this zone after review and approval by the authority/committee.

Table A.9: Land Use Conditionally Permitted

Conditionally permitted uses in Mixed Use Zone	
Agricultural Chemicals, Pesticides or Fertilizers Shop	Freight Transport Facility
Amusement and Recreation (Indoors)	Gaming Clubs
Beauty and Body Service	Garages
Broadcast Studio \ Recording Studio (No Audience)	Garden Center or Retail Nursery
Building Maintenance \ Cleaning Services, No Outside Storage	Commercial Office
	Project Office
	Government Office

Building Material Sales or Storage (Indoors)	Hotel or Motel
Graveyard \ Cemetery	Household Appliance and Furniture Repair
Coffee Shop \ Tea Stall	Service
Computer Maintenance and Repair	Indoor Amusement Centers, Game Arcades
Computer Sales & Services	Indoor Theatre
Concert Hall, Stage Shows	Lithographic or Print Shop
Conference Center	Market (Bazar)
Construction Company	Health Office, Dental Laboratory, Clinic or Lab
Construction, Survey, Soil Testing Firms	Musical Instrument Sales or Repair
Cottage	Optical Goods Sales
Counseling Services	Outdoor Café
Craft Workshop	Outdoor Fruit and Vegetable Markets
Crematorium	Painting and Wallpaper Sales
Plantation (Except Narcotic Plant)	Paints and Varnishes
Cultural Exhibits and Libraries	Patio Homes
Department Stores, Furniture & Variety Stores	Photofinishing Laboratory & Studio
Drug Store or Pharmacy	Poultry
Energy Installation	Printing, Publishing and Distributing
Fitness Centre	Psychiatric Hospital
Flowers, Nursery Stock and Florist Supplies	Retail Shops Ancillary To Studio \ Workshop
Freight Handling, Storage & Distribution	Radio\Television or T&T Station With Transmitter Tower
Sporting Goods and Toys Sales	Refrigerator or Large Appliance Repair
Sports and Recreation Club, Firing Range: Indoor	Restaurant
Telephone Exchanges	Retail Shops \ Facilities
Television, Radio or Electronics Repair (No out Outside Storage)	

Source: Compiled by the Consultants

Restricted Uses

All uses except permitted and conditionally permitted uses are restricted in this zone.

f. Education and Research

Land Use Permitted

The following uses in the tables are proposed to be applicable for this zone only.

Table A.10: Land Use Permitted

Permitted uses under Education & Research Zone	
Addiction Treatment Center	Cyber Café
Billboards, Advertisements & Advertising Structure	Freight Transport Facility
Art Gallery, Art Studio \ Workshop	General Store
Automobile Driving Academy	Grocery Store
Confectionery Shop	High School
Bus Passenger Shelter	Hospital
Child Daycare \ Preschool	Lithographic or Print Shop
College, University, Technical Institute	Mosque, Place Of Worship
Communication Service Facilities	Multi-Storey Car Park
Communication Tower Within Permitted Height	Newspaper Stand
Conference Center	Nursery School
Correctional Institution	Outdoor Religious Events
Cultural Exhibits and Libraries	Photocopying and Duplicating Services
Transmission Lines	Post Office
Utility Lines	Primary School
Vocational, Business, Secretarial School	Professional Office
Woodlot	Project Identification Signs
ATM Booth	Property Management Signs
Water Pump \ Reservoir	Public Transport Facility
Social Forestry	Satellite Dish Antenna
Dormitory	School (Retarded)
Veterinary School \ College and Hospital	Scientific Research Establishment
Training Centre	Shelter (Passers By)
	Specialized School: Dance, Art, Music & Others

Source: Compiled by the Consultants

Land Use Conditionally Permitted

The following uses may be permitted or denied in this zone after review and approval by the authority/committee.

Table A.11: Land Use Conditionally Permitted

Conditionally permitted uses under Education and Research Zone	
Auditorium, Coliseum, Meeting Halls, and Conference Facilities, Convention	Flowers, Nursery Stock and Florist Supplies
Bank & Financial Institution	Gallery \ Museum
Barber Shop	Garages
Boarding and Rooming House	Indoor Theatre
Book or Stationery Store or Newsstand	orphanage
Coffee Shop \ Tea Stall	Outdoor Café
Counseling Services	Parking Lot
Courier Service	Pipelines and Utility Lines
Plantation (Except Narcotic Plant)	Postal Facilities
Daycare Center (Commercial or Nonprofit)	Psychiatric Hospital
Doctor \ Dentist Chamber	Fast Food Establishment \ Food Kiosk
Drug Store or Pharmacy	

Source: Compiled by the Consultants

Restricted Uses

All uses except permitted and conditionally permitted uses are restricted in this zone.

g. Public Administrative and Community Facilities/Public Services and Utilities

Land Use Permitted

The following uses in the tables are proposed to be applicable for this zone only.

Table A.15: Land Use Permitted

Permitted uses under Government Office Zone	
Accounting, Auditing or Bookkeeping Services	Outdoor Religious Events
Billboards, Advertisements & Advertising	Photocopying and Duplicating Services

Structure	Post Office
Confectionery Shop	Professional Office
Bus Passenger Shelter	Public Transport Facility
Civic Administration	Satellite Dish Antenna
Communication Service Facilities	Scientific Research Establishment
Communication Tower Within Permitted	Shelter (Passers By)
Height	Training Centre
Construction, Survey, Soil Testing Firms	Transmission Lines
Cultural Exhibits and Libraries	Utility Lines
Cyber Café	Woodlot
Emergency Shelter	ATM Booth
Freight Transport Facility	Water Pump \ Reservoir
General Store	Social Forestry
Project Office	Multi-Storey Car Park
Government Office	Newspaper Stand
Grocery Store	
Guest House	

Source: Compiled by the Consultants

Land Use Conditionally Permitted

The following uses may be permitted or denied in this zone after review and approval by the authority/committee.

Table A.16: Land Use Conditionally Permitted

Conditionally permitted uses under Government office	
Amusement and Recreation (Indoors)	Gallery \ Museum
Auditorium, Coliseum, Meeting Halls, and Conference Facilities Convention	Garages
Bank & Financial Institution	Police Box \ Barrack
Boarding and Rooming House	Fire \ Rescue Station
Book or Stationery Store or Newsstand	Lithographic or Print Shop
Coffee Shop \ Tea Stall	Mosque, Place Of Worship

Conference Center	Outdoor Café
Courier Service	Parking Lot
Plantation (Except Narcotic Plant)	Parking Lot (Commercial)
Daycare Center (Commercial or Nonprofit)	Pipelines and Utility Lines
Detention Facilities	Postal Facilities
Doctor \ Dentist Chamber	Flowers, Nursery Stock and Florist Supplies
Energy Installation	Freight Handling, Storage & Distribution
Fast Food Establishment \ Food Kiosk	Freight Yard

Source: Compiled by the Consultants

Restricted Uses

All uses except permitted and conditionally permitted uses are restricted in this zone.

h. Agriculture

Land Use Permitted

The following uses in the tables are proposed to be applicable for this zone only.

Table A17: Land Use Permitted

Permitted uses under Agricultural Zone	
Food Grain Cultivation	Duckery
Vegetable Cultivation	Aquatic Recreation Facility (Without Structure)
Cash Crop Cultivation	Tree Plantation (Except Narcotic Plant)
Horticulture	Aquaculture
Arboriculture	Static Transformer Stations
Dairy Farming	Transmission Lines
Deep Tube Well	Utility Lines
Shallow Tube Well	Woodlot
Irrigation Facilities (Irrigation Canal, Culvert, Flood Wall etc)	Social Forestry
Temporary Structure (Agricultural)	
Animal Shelter	

Source: Compiled by the Consultants

Land Use Conditionally Permitted

Table A18: Land Use Conditionally Permitted

Conditionally permitted uses under Agricultural Zone
Graveyard \ Cemetery
Communication Tower Within Permitted Height
Crematorium
Fish Hatchery
Garden Center or Retail Nursery
Poultry

Source: Compiled by the Consultants

Restricted Uses

All uses except permitted and conditionally permitted uses are restricted in this zone.

i. Open Space/ Green Space

Land Use Permitted

The following uses in the tables are proposed to be applicable for this zone only.

Table A.19: Land Use Permitted

Permitted uses under Open Space	
Botanical Garden & Arboretum	Pipelines and Utility Lines
Bus Passenger Shelter	Playing Field
Caravan Park \ Camping Ground	Special Function Tent
Carnivals and Fairs	Tennis Club
Circus	Transmission Lines
Plantation (Except Narcotic Plant)	Urban-Nature Reserve
Landscape and Horticultural Services	Utility Lines
Open Theater	Woodlot
Park and Recreation Facilities (General)	Zoo
Social Forestry	Roadside Parking
Memorial Structure	

Source: Compiled by the Consultants

Landuse Conditionally Permitted

Table A 20: Land Use Conditionally Permitted

Conditionally permitted uses under open space	
Communication Tower Within Permitted Height	Outdoor Recreation, Commercial
Trade Shows	Outdoor Sports and Recreation
Fitness Centre	Park Maintenance Facility
Flowers, Nursery Stock and Florist Supplies	Retreat Center
Golf Course	Sports and Recreation Club, Firing Range: Indoor
Motorized Recreation	Outdoor Recreation Facilities

Source: Compiled by the Consultants

Restricted Uses

All uses except permitted and conditionally permitted uses are restricted.

j. Water Body

Retaining water is the main purpose of this type of Landuse.

Land Use Permitted

The following uses in the tables are proposed to be applicable for this zone only.

Table A.21: Land Use Permitted

Permitted uses under Water Body
Aquatic Recreation Facility (Without Structure)
Fishing Club
Utility Lines
Water Parks
Memorial Structure

Source: Compiled by the Consultants

Land Use Conditionally Permitted

The following uses may be permitted or denied in this zone after review and approval by the authority/committee.

Table A.22: Land Use Conditionally Permitted

Conditionally permitted uses under water body
Plantation (Except Narcotic Plant)
Marina \ Boating Facility
Motorized Recreation

Source: Compiled by the Consultants

Restricted Uses

All uses except permitted and conditionally permitted uses are restricted.

ANNEXURE-B: PROJECT TEAM

Team Formation

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