

11.4.1.9 Development plan proposal of Ward No. 09

Table-11.76: Recommended Facilities in Ward No. 09

Sl. No.	Proposed Facilities	Area (Acre)	Mouza	JI No. (Sheet No.)	Plot ID.	Remarks	Implementing Agency
1	Neighborhood Center Complex	2.135	Bramman Danga	56(00)	185, 188-192, 196, 197		Paurashava, Ministry of Local Government, Rural Development & Cooperatives, Local Government Division
2	Production well and Overhead Tank	1.106	Bramman Danga	56(00)	176-180		Paurashava, DPHE
4	Solid Waste Disposal Site	12.03	Uzir Pur	100(03)	2331-2334, 2485-2504, 2510-2524, 2529, 2532		Paurashava, DPHE
5	Community Bin		Bramman Danga	56(00)	Adjoining Neighborhood Center Complex		Paurashava, LGED
6	Renewable Energy Center	2.508	Bramman Danga	056(00)	166,164, 183, 198		Paurashava, Ministry of Power, Energy & Mineral Resources
7	Primary School	1.66	Uzirpur	100(03)	2618-2620, 2622-2623	Edu 24	Paurashava, Ministry of Education
8	Secondary School	1.97	Bijoypur	55(00)	99-100, 115, 117-118, 135-139,294-295	Edu 25	Paurashava, Ministry of Education
9	College	4.00	Bijoypur	55(00)	76-80, 84-88, 93-94	Edu 26	Paurashava, Ministry of Education
10	Graveyard	2.5	Bijoypur	55(00)	81-82, 197, 200-215, 217, 228		Paurashava, Ministry of Religious Affairs
11	Playground	1.58	Brahmman Danga	56(00)	92-94, 85		
12	Water base park and boating place	8.74	Brahmman Danga, Bijoypur	56(00), 55(00)	259-262, 1-4, 14-17, 23-24, 272		

Table-11.77: Proposed Primary Roads in Ward No. 09

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Remarks	Length (m)	Proposed Road width (m)	Remarks	Phase
P3	5.50	Narail-Kalna Road	Road Pucca	Primary	Existing	2016.022	36	Widening	Phase 1
Implementation Agency :RHD, Paurashava									

Table-11.78: Proposed Secondary Roads in Ward No. 09

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Remarks	Length (m)	Proposed Road width(m)	Remarks	
S12	3.00		Road Pucca	Secondary	Existing	349.723	18	Widening	
S15	3.00	Ujirpur Road	Road Pucca	Secondary	Existing	1325.699	18	Widening	
S16	3.20		Road Pucca	Secondary	Existing	685.817	18	Widening	
S18	3.00		Road Pucca	Secondary	Existing	422.072	18	Widening	
S19	3.00		Road Pucca	Secondary	Existing	356.744	18	Widening	
S32	3.00		Road Semipucca	Secondary	Existing	528.729	18	Widening	
S38	3.00		Road Semipucca	Secondary	Existing	390.321	18	Widening	
S53	3.00	Ujirpur Road	Road Pucca	Secondary	Existing	306.379	18	Widening	
S54	3.20		Road Pucca	Secondary	Existing	100.322	18	Widening	
S55	3.20		Road Pucca	Secondary	Existing	180.855	18	Widening	
S56	4.30		Road Pucca	Secondary	Existing	262.655	18	Widening	
S58	3.00	Hatbaria Mission Road	Road Pucca	Secondary	Existing	231.109	18	Widening	
S66	3.25	Machimdia Road	Road Pucca	Secondary	Existing	27.511	18	Widening	
Implementation Agency :LGED, Paurashava									

Table-11.79: Proposed Tertiary Roads in Ward No. 09

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Remarks	Length (m)	Proposed Road width(m)	Remarks
T237	0.00			Tertiary	Proposed	15.777	16	New Construction
Implementation Agency :LGED, Paurashava								

Table-11.80: Proposed Bridge and culverts in Ward NO. 09

Phase	Ward No.	No. of Culverts	No. of Bridges	Implementing Agency
Phase 01 (2010-2015)	Ward 09	20	0	Paurashava, LGED

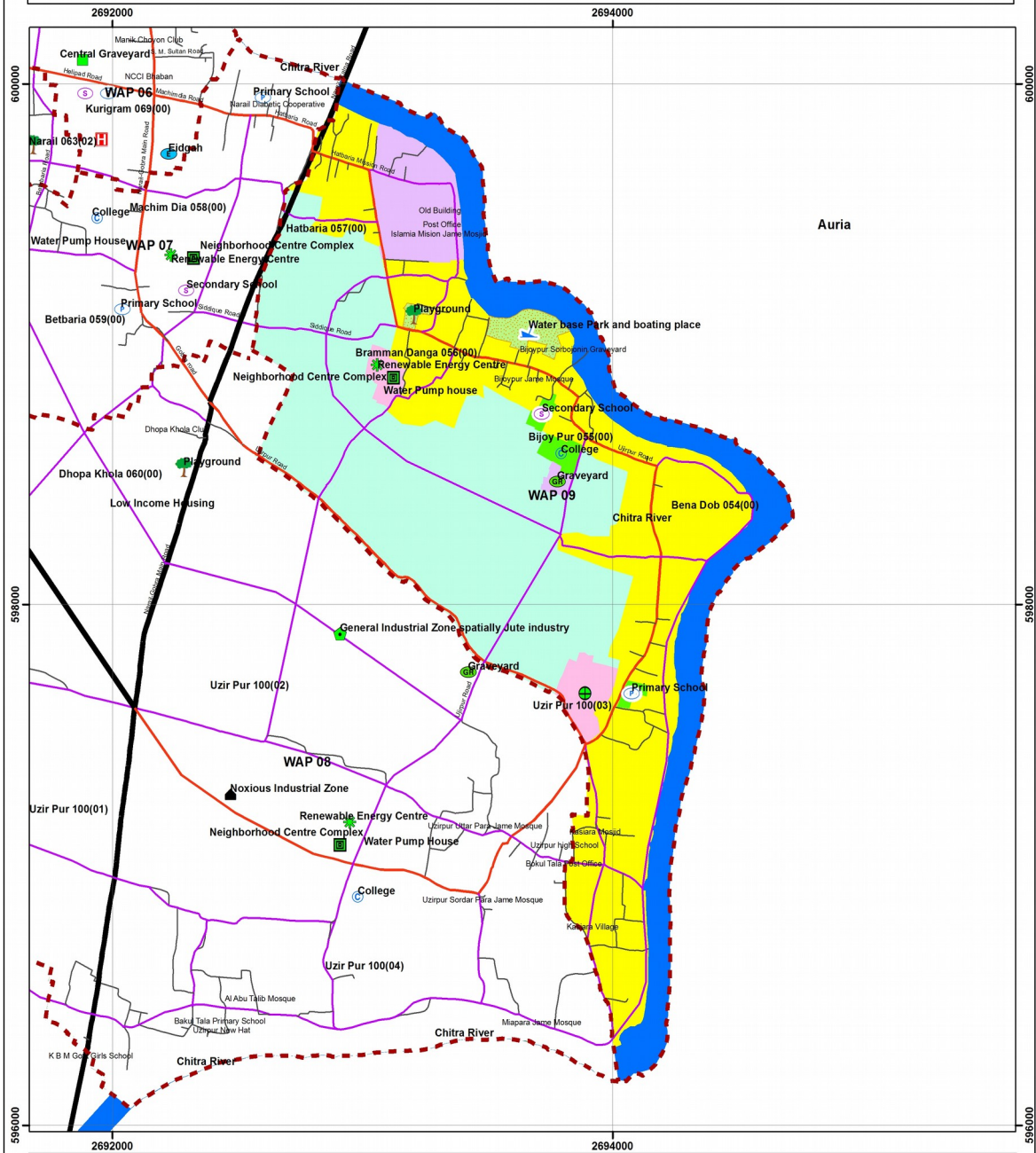
Table-11.81: Proposed Secondary Drains in Ward No. 09

Proposed ID	Length (m)	Existing Type	Existing Drain Width(m)	Ward No.	Proposed type	Proposed width(m)	Outfall	Remarks
W9S1	2111.45		0.00	Ward 09	Secondary	1.50	W7S5	Proposed
W9S2	1165.36		0.00	Ward 09	Secondary	1.50	W9S1	Proposed
Implementation Agency :LGED, Paurashava								

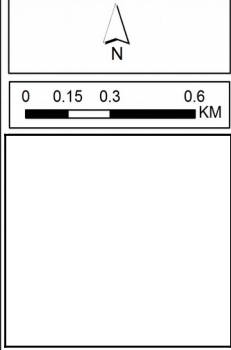
Table-11.82: Proposed Tertiary Drains in Ward No. 09

Proposed ID	Length (m)	Existing Type	Existing Drain Width(m)	Ward No.	Proposed type	Proposed width(m)	Outfall	Remarks
W9t1	506.92		0.00	Ward 09	Tertiary	1.30	W9S1	Proposed
W9t10	122.47		0.00	Ward 09	Tertiary	1.30	W9S1	Proposed
W9t11	202.25		0.00	Ward 09	Tertiary	1.30	W9S1	Proposed
W9t13	182.71		0.00	Ward 09	Tertiary	1.30	W9S2	Proposed
W9t2	346.87		0.00	Ward 09	Tertiary	1.30	W9S1	Proposed
W9t3	317.56		0.00	Ward 09	Tertiary	1.00	W9S1	Proposed
W9t4	249.28		0.00	Ward 09	Tertiary	0.63	W9S1	Proposed
W9t5	203.35		0.00	Ward 09	Tertiary	1.30	W9S5	Proposed
W9t7	272.19		0.00	Ward 09	Tertiary	1.30	W9S1	Proposed
W9t8	72.47		0.00	Ward 09	Tertiary	1.30	W9S1	Proposed
W9t9	111.46		0.00	Ward 09	Tertiary	1.30	W9S1	Proposed
Implementation Agency :LGED, Paurashava								

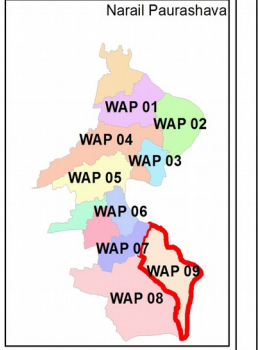
Map 11.10: Ward Action Plan of Ward 09 in Narail Paurashava



Auria



Legend		Proposed Land Use	
	Town Centre		Administrative
	Neighborhood Centre Complex		Agricultural
	Renewable Energy Centre		Commercial Area
	Solid Waste Dumping Site & Recycling Area		Community Facilities
	Surface Water Treatment Plant		Educational Area
	Proposed Playground		General Industrial Area
	Proposed Water base Park and boating place		Health Services
	Proposed Animal Hospital & Research Centre		Mixed use
	Proposed Central Graveyard		Noxious Industrial Area
	Proposed College		Open Space and Recreational
	Proposed Eidgah		Residential
	Proposed Graveyard		Restricted Area
	Proposed Medical College		Transportation & Communication
	Proposed Primary School		Urban Deferred Area
	Proposed Secondary School		Utility Services
	Bus Terminal Complex		Water bodies
	Truck Terminal Complex		
	General Industrial Zone spatially Jute industry		
	Proposed BSCIC Area		
	Noxious Industrial Zone		
	Project Boundary		
	Ward Boundary		
	Primary		
	Secondary		
	Tertiary		
	Access		



11.4.2 Ward wise Cost Estimate of the Priority Schemes

The consultants have identified several projects for Narail Paurashava and for the first phase (2010-2015) typical design with cost estimation has been made. The cost estimation has been made to analyze the current rate of works collected from the concern agency and also the future increase of the items. The cost estimated at current price. But feasibility needs for each project. The main goal of the feasibility is to assess the economic viability of the proposed projects. The outcome of the feasibility study will indicate whether or not to precede venture. If the result of the feasibility study is positive, then Paurashava can proceed to develop the Development Plan Proposal (DPP) of the specific project.

11.4.2.1 Cost Estimation of Primary Road

The consultants have been proposed 17.63 km of Primary roads in Narail Paurashava for 2010-2015 time periods, whereas 6.86km of primary road need new construction and 10.77 km of existing primary road need widening. So There need about 55 crore TK for new construction and 12 crore tk for widening of Primary Roads.

Table-11.83: Item wise Cost estimation of the Primary Road (New construction)

Item Type	Division-1	General & site facilities			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
01/01/01	Provision of Temporary Roads, Structures	LS	72575.00	1	72575
01/01/02	Maintain Temp. str. & equipment for the maintenance of traffic	Day	1505.00	104	156520
01/02/01	Supply, erect & Remove Field office for Engineer	LS	225000.00	1	225000
01/02/02	Maintenance of the Field office for Engineer	Month	10000.00	12	120000
01/02/07	Progress Photographs	Month	1000.00	12	12000
01/03/01	Provide & remove Site laboratory & equipment	LS	300000.00	1	300000
01/03/02	Maintain Site Laboratory	Month	7000.00	12	84000
					970095

Item Type	Division-2	Earthwork			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
02/01/01	Clearing & Grubbing	Sqm	28.00	308655	8642340
02/02/02	Roadway Excavation in Suitable soil	Cum	134.00	43760.42	5863896.28
02/06/02	Embankment fill from Borrow pit in Contractor's arranged Land	Cum	250.00	1499515	374878645
02/07/01	Preparation of Subgrade 300mm Depth	Sqm	57.00	37724.5	2150296.5
02/08/01	Improved Subgrade	Cum	804.00	16976.03	13648724.1
02/12/01	Subgrade Drains	Lin.m	243.00	1000	243000
					405426901.88

Item Type	Division-3	Pavement work			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
03/02/01	Sub-Base	Cum	3953.00	11317.35	44737484.55
03/03/02	Aggregate Base Type-II	Cum	4275.00	7544.9	32254447.5
03/03/01	Aggregate Base Type-I	Cum	5475.00	5658.675	30981245.63

03/06/01 b	Bituminous Prime Coat (Plant Placed)	Sqm	90.00	37724.5	3395205
03/10/02c	DBS-Wearing Course 60mm thick(Av)	Cum	14267.00	2263.47	32292926.49
03/07/01a	Bituminous Tack Coat (Plant Placed)	Sqm	27.00	5500	148500
03/12/03	15mm Compacted Bituminous seal coat	Sqm	126.00	5500	693000
03/13/01	Brick on end Edging	Lin.m	88.00	2000	176000
					144678809.17

Item Type	Division-6	Incidental			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
06/05/01	Road Marking-Thermoplastic Material	Sqm	1051.00	2397.221	2519478.746
06/07/02	Grass Turfing	Sqm	28.00	26832.8	751318.4
06/10/01	Traffic Signs	Nos	5521.00	6	33126
06/10/02	Sign Post	Nos	2458.00	3	7374
06/16/01	Concrete Km Post	Nos	6375.00	2	12750
					3324047.15

Table-11.84: Total Cost Estimation of Primary Road (New Construction) for Narail Paurashava

Division	Cost (TK)
Division-1	970095
Division-2	405426902
Division-3	144678809
Division-6	3324047
Grand Total	554399853.2

Table-11.85: Item wise Cost estimation of the Primary Road (Widening) for Narail

Item Type	Division-1	General & site facilities			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
01/02/01	Supply, erect & Remove Field office for Engineer	LS	225000.00	1	225000
01/02/02	Maintenance of the Field office for Engineer	Month	10000.00	4	40000
01/02/07	Progress Photographs	Month	1000.00	4	4000
01/03/01	Provide & remove Site laboratory & equipment	LS	300000.00	1	300000
01/03/02	Maintain Site Laboratory	Month	7000.00	4	28000
					597000
Item Type	Division-2	Earthwork			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
02/02/02	Roadway Excavation in Suitable soil	Cum	134.00	29994.82	4019305.344
02/06/02	Embankment fill from Borrow pit in Contractor's arranged Land	Cum	250.00	7757.28	1939320

02/07/01	Preparation of Subgrade 300mm Depth	Sqm	57.00	25857.6	1473883.2
02/08/01	Improved Subgrade	Cum	804.00	11635.92	9355279.68
02/12/01	Subgrade Drains	Lin.m	243.00	1000	243000
					17030788.22

Item Type Division-3 Pavement work

Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
03/02/01	Sub-Base	Cum	3953.00	7757.28	30664527.84
03/03/02	Aggregate Base Type-II	Cum	4275.00	5171.52	22108248
03/03/01	Aggregate Base Type-I	Cum	5475.00	3878.64	21235554
03/06/01 b	Bituminous Prime Coat (Plant Placed)	Sqm	90.00	25857.6	2327184
03/10/02c	DBS-Wearing Course 60mm thick(Av)	Cum	14267.00	1551.456	22134622.75
03/07/01a	Bituminous Tack Coat (Plant Placed)	Sqm	27.00	2400	64800
03/12/03	15mm Compacted Bituminous seal coat	Sqm	126.00	2400	302400
03/13/01	Brick on end Edging	Lin.m	88.00	2000	176000
					99013336.59

Item Type Division-6 Incidental

Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
06/05/01	Road Marking-Thermoplastic Material	Sqm	1051.00	3232.2	3397042.2
06/10/01	Traffic Signs	Nos	5521.00	6	33126
06/10/02	Sign Post	Nos	2458.00	3	7374
06/16/01	Concrete Km Post	Nos	6375.00	2	12750
					3450292.20

Table-11.86: Total Cost Estimation of Primary Road (Widening) for Narail Paurashava

Division	Cost (TK)
Division-1	597000
Division-2	17030788
Division-3	99013337
Division-6	3450292
Grand Total	120091417

11.4.2.2 Cost estimation of Secondary Road

The consultant has been proposed 17.78 km of Secondary road for Narail Paurashava for 2010-2015 time periods, whereas 2.71km need new construction and 15.06 km need widening. The estimated cost for this purpose is 8 crore tk for new construction and 12 crore tk for widening.

Table-11.87: Item wise Cost of Secondary Road (New Construction) for Narail Paurashava

Item Type		Division-1	General & site facilities		
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
01/01/01	Provision of Temporary Roads, Structures	LS	72575.00	1	72575
01/01/02	Maintain Temp. str. & equipment for the maintenance of traffic	Day	1505.00	104	156520
01/02/01	Supply, erect & Remove Field office for Engineer	LS	225000.00	1	225000
01/02/02	Maintenance of the Field office for Engineer	Month	10000.00	12	120000
01/02/07	Progress Photographs	Month	1000.00	12	12000
01/03/01	Provide & remove Site laboratory & equipment	LS	300000.00	1	300000
01/03/02	Maintain Site Laboratory	Month	7000.00	12	84000
					970095
Item Type		Division-2	Earthwork		
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
02/01/01	Clearing & Grubbing	Sqm	28.00	54260	1519280
02/02/02	Roadway Excavation in Suitable soil	Cum	134.00	12683.28	1699558.85
02/06/02	Embankment fill from Borrow pit in Contractor's arranged Land	Cum	250.00	101262.7	25315681.25
02/07/01	Preparation of Subgrade 300mm Depth	Sqm	57.00	14921.5	850525.5
02/08/01	Improved Subgrade	Cum	804.00	4476.45	3599065.8
02/12/01	Subgrade Drains	Lin.m	243.00	2000	486000
					33470111.40
Item Type		Division-3	Pavement work		
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
03/02/01	Sub-Base	Cum	3953.00	2984.3	11796937.9
03/03/02	Aggregate Base Type-II	Cum	4275.00	2238.225	9568411.875
03/03/01	Aggregate Base Type-I	Cum	5475.00	2238.225	12254281.88
03/06/01 b	Bituminous Prime Coat (Plant Placed)	Sqm	90.00	14921.5	1342935
03/10/02b	DBS-Wearing Course 50mm thick(Av)	Cum	14267.00	746.075	10644252.03
03/07/01a	Bituminous Tack Coat (Plant Placed)	Sqm	27.00	5500	148500
03/12/03	7mm Compacted Bituminous seal coat	Sqm	86.00	5500	473000
03/13/01	Brick on end Edging	Lin.m	88.00	2000	176000
					46404318.68
Item Type		Division-6	Incidental		

Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
06/05/01	Road Marking-Thermoplastic Material	Sqm	1051.00	233	244883
06/07/02	Grass Turfing	Sqm	28.00	13416.4	375659.2
06/10/01	Traffic Signs	Nos	5521.00	6	33126
06/10/02	Sign Post	Nos	2458.00	3	7374
06/16/01	Concrete Km Post	Nos	6375.00	2	12750
					673792.20

Table-11.88: Total Cost Estimation of Secondary Road (New Construction) for Narail Paurashava

Division	Cost (TK)
Division-1	970095
Division-2	33470111
Division-3	46404319
Division-6	673792
Grand Total	81518317

Table-11.89: Item wise Cost of Secondary Road (Widening) for Narail Paurashava

Item Type	Division-1	General & site facilities			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
01/02/01	Supply, erect & Remove Field office for Engineer	LS	225000.00	1	225000
01/02/02	Maintenance of the Field office for Engineer	Month	10000.00	4	40000
01/02/07	Progress Photographs	Month	1000.00	4	4000
01/03/01	Provide & remove Site laboratory & equipment	LS	300000.00	1	300000
01/03/02	Maintain Site Laboratory	Month	7000.00	4	28000
					597000

Item Type	Division-2	Earthwork			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
02/01/01					
02/02/02	Roadway Excavation in Suitable soil	Cum	134.00	28167.81	3774486.54
02/06/02	Embankment fill from Borrow pit in Contractor's arranged Land	Cum	250.00	9941.58	2485395
02/07/01	Preparation of Subgrade 300mm Depth	Sqm	57.00	33138.6	1888900.2
02/08/01	Improved Subgrade	Cum	804.00	9941.58	7993030.32
02/12/01	Subgrade Drains	Lin.m	243.00	2000	486000
					16627812.06

Item Type	Division-3	Pavement work			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
03/02/01	Sub-Base	Cum	3953.00	6627.72	26199377.16
03/03/02	Aggregate Base Type-II	Cum	4275.00	4970.79	21250127.25
03/03/01	Aggregate Base Type-I	Cum	5475.00	4970.79	27215075.25
03/06/01 b	Bituminous Prime Coat (Plant Placed)	Sqm	90.00	33138.6	2982474

03/10/02b	DBS-Wearing Course 50mm thick(Av)	Cum	14267.00	1656.93	23639420.31
03/07/01a	Bituminous Tack Coat (Plant Placed)	Sqm	27.00	2200	59400
03/12/03	7mm Compacted Bituminous seal coat	Sqm	86.00	2200	189200
03/13/01	Brick on end Edging	Lin.m	88.00	2000	176000
					101711073.97

Item Type	Division-6	Incidental			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
06/05/01	Road Marking-Thermoplastic Material	Sqm	1051.00	200	210200
06/10/01	Traffic Signs	Nos	5521.00	6	33126
06/10/02	Sign Post	Nos	2458.00	3	7374
06/16/01	Concrete Km Post	Nos	6375.00	2	12750
					263450.00

Table-11.90: Total Cost Estimation of Secondary Road (Widening) for Narail Paurashava

Division	Cost (TK)
Division-1	597000
Division-2	16627812
Division-3	101711074
Division-6	263450
Grand Total	119199336

11.4.2.3 Cost Estimation of Tertiary Road

The consultant has been proposed 9.84 km of tertiary road for Narail Paurashava for 2010-2015 time periods, whereas 1.4 km need new construction and 8.4 km need widening. The estimated cost for this purpose is 2.3 crore tk for new construction and 4 crore tk for widening.

Table-11.91: Item wise Cost of Tertiary Road (New) for Narail Paurashava

Item Type	Division-1	General & site facilities			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
01/01/01	Provision of Temporary Roads, Structures	LS	72575.00	1	72575
01/01/02	Maintain Temp. str. & equipment for the maintenance of traffic	Day	1505.00	104	156520
01/02/01	Supply, erect & Remove Field office for Engineer	LS	225000.00	1	225000
01/02/02	Maintenance of the Field office for Engineer	Month	10000.00	12	120000
01/02/07	Progress Photographs	Month	1000.00	12	12000
01/03/01	Provide & remove Site laboratory & equipment	LS	300000.00	1	300000
01/03/02	Maintain Site Laboratory	Month	7000.00	12	84000
					970095
Item Type	Division-2	Earthwork			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost

02/01/01	Clearing & Grubbing	Sqm	28.00	20880	584640
02/02/02	Roadway Excavation in Suitable soil	Cum	134.00	3167.496	424444.464
02/06/02	Embankment fill from Borrow pit in Contractor's arranged Land	Cum	250.00	30719	7679751
02/07/01	Preparation of Subgrade 300mm Depth	Sqm	57.00	5150.4	293572.8
02/08/01	Improved Subgrade	Cum	804.00	1030.08	828184.32
02/12/01	Subgrade Drains	Lin.m	243.00	2000	486000
					10296592.58

Item Type Division-3 Pavement work

Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
03/02/01	Sub-Base	Cum	3953.00	1030.08	4071906.24
03/03/02	Aggregate Base Type-II	Cum	4275.00	901.32	3853143
03/06/01 b	Bituminous Prime Coat (Plant Placed)	Sqm	90.00	5150.4	463536
03/10/02a	DBS-Wearing Course 40mm thick(Av)	Cum	14267.00	206.016	2939230.272
03/07/01a	Bituminous Tack Coat (Plant Placed)	Sqm	27.00	3700	99900
03/12/03	7mm Compacted Bituminous seal coat	Sqm	86.00	3700	318200
03/13/01	Brick on end Edging	Lin.m	88.00	2000	176000
					11921915.51

Item Type Division-6 Incidental

Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
06/05/01	Road Marking-Thermoplastic Material	Sqm	1051.00	233	244883
06/07/02	Grass Turfing	Sqm	28.00	10912	305536
06/10/01	Traffic Signs	Nos	5521.00	6	33126
06/10/02	Sign Post	Nos	2458.00	3	7374
06/16/01	Concrete Km Post	Nos	6375.00	2	12750
					603669.00

Table-11.92: Total Cost Estimation of Tertiary Road (New) for Narail Paurashava

Division	Cost(TK)
Division-1	970095
Division-2	10296593
Division-3	11921916
Division-6	603669
Grand Total	23792272

Table-11.93: Item wise Cost of Tertiary Road (Widening) for Narail Paurashava

Item Type Division-1 General & site facilities

Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
01/02/01	Supply, erect & Remove Field office for Engineer	LS	225000.00	1	225000
01/02/02	Maintenance of the Field office for Engineer	Month	10000.00	4	40000
01/02/07	Progress Photographs	Month	1000.00	4	4000

01/03/01	Provide & remove Site laboratory & equipment	LS	300000.00	1	300000
01/03/02	Maintain Site Laboratory	Month	7000.00	4	28000
					597000

Item Type	Division-2	Earthwork			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
02/01/01					
02/02/02	Roadway Excavation in Suitable soil	Cum	134.00	9348.615	1252714.41
02/06/02	Embankment fill from Borrow pit in Contractor's arranged Land	Cum	250.00	4560.3	1140075
02/07/01	Preparation of Subgrade 300mm Depth	Sqm	57.00	15201	866457
02/08/01	Improved Subgrade	Cum	804.00	3040.2	2444320.8
02/12/01	Subgrade Drains	Lin.m	243.00	2000	486000
					6189567.21

Item Type	Division-3	Pavement work			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
03/02/01	Sub-Base	Cum	3953.00	3040.2	12017910.6
03/03/02	Aggregate Base Type-II	Cum	4275.00	2660.175	11372248.13
03/06/01 b	Bituminous Prime Coat (Plant Placed)	Sqm	90.00	15201	1368090
03/10/02a	DBS-Wearing Course 40mm thick(Av)	Cum	14267.00	608.04	8674906.68
03/07/01a	Bituminous Tack Coat (Plant Placed)	Sqm	27.00	1800	48600
03/12/03	7mm Compacted Bituminous seal coat	Sqm	86.00	1800	154800
03/13/01	Brick on end Edging	Lin.m	88.00	2000	176000
					33812555.41

Item Type	Division-6	Incidental			
Item Code	Item Description	Unit of measurement	Total Unit price with VAT & TAX	Qty	Total Cost
06/05/01	Road Marking-Thermoplastic Material	Sqm	1051.00	200	210200
06/10/01	Traffic Signs	Nos	5521.00	6	33126
06/10/02	Sign Post	Nos	2458.00	3	7374
06/16/01	Concrete Km Post	Nos	6375.00	2	12750
					263450.00

Table-11.94: Total Cost Estimation of Tertiary Road (Widening) for Narail Paurashava

Division	Cost(TK)
Division-1	597000
Division-2	6189567
Division-3	33812555
Division-6	263450
Grand Total	40862573

Table-11.95: Cost at a glance of different category of roads for Narail Paurashava

Road name	Improvement category		
	Cost for New construction (TK)	Cost for widening	Cost for Road side drain

Primary	55,43,99,853.2	12,00,91,417	12000/m
Secondary	8,15,18,317	11,91,99,336	8500/m
Tertiary	2,37,92,272	4,08,62,573	5800/m

11.4.2.4 Cost Estimation of Footpath

The average cost of footpath has been estimated 2550tk /sqm. The consultants have been proposed 6.5 km of footpath in Narail Paurashava for 2010-2015 time period. The estimated cost of the proposed footpath is about 2.6 crore.

Table-11.96: Cost estimation of footpath for Narail Paurashava

Phase	Ward No.	Length(m)	Length(km)	Amount (TK)
Phase 01	Ward 01	296	0.296	1221000
	Ward 02	718	0.718	2961750
	Ward 05	1922	1.922	7928250
	Ward 06	3585	3.585	14788125
	Total	6521	6.521	2,68,99,125

11.4.2.5 Cost Estimation of Box Culvert & Bridge

The standard present cost of a 10m PC Girder Bridge is TK 13.5 lac /m where as 10m RC Girder Bridge is Tk 9 lac /m. The cost of a RCC Box culvert (span<=6m) is TK 5-8 lac. The consultants have been proposed 110 culverts for the 2010-2015 time periods. The total estimated cost for culverts is about 8.8 crore.

Table-11.97: Cost Estimation of Box Culvert & Bridge

Phase No	Ward No	No. of Culverts	Amount(TK)
Phase 01	Ward No 1	12	9600000
	Ward No 1 (Ext)	8	6400000
	Ward No 2	5	4000000
	Ward No 3	4	3200000
	Ward No 4	16	12800000
	Ward No 5	18	14400000
	Ward No 6	6	4800000
	Ward No 6 (Ext)	1	800000
	Ward No 7	4	3200000
	Ward No 7 (Ext)	10	8000000
	Ward No 8	6	4800000
	Ward No 9	20	16000000
	Total	110	88000000

11.4.2.6 Cost Estimation of Drain

The consultants have been proposed 21 km of Secondary Drain and 17 km of Tertiary Drain. The estimated cost for secondary drain is 46 crore tk and tertiary drain is 7 crore tk. for the period of 2010-2015.

Table-11.98: Cost Estimation of Proposed Drain

Ward No.	Secondary Drain		Tertiary Drain	
	Proposed Length (m)	Amount (TK)	Proposed Length (m)	Amount (TK)
Ward 01	1953.97	41857945.34	2079.57	8752910
Ward 01(Ext)	2184.89	46804713.58	1103.78	4645810
Ward 02	2976.81	63769223.82	2647.09	11141602
Ward 03	782.32	16758859.04	1131.94	4764335
Ward 04	1746.77	37419306.94	296.93	1249778
Ward 05	2448.11	52443412.42	1981.65	8340765

Ward No.	Secondary Drain		Tertiary Drain	
	1244.71	26664177.62	1505.48	6336565
Ward 06 (Ext)	467.14	10007073.08	238.05	1001952
Ward 07	1156.62	24777113.64	1514.03	6372552
Ward 07(Ext)	1531.34	32804365.48	424.48	1786636
Ward 08	1729.39	37046992.58	1858.53	7822553
Ward 09	3276.81	70195823.82	2587.53	10890914
Total	21498.88	46,05,49,007.4	17369.06	7,31,06,374

11.4.2.7 Cost Estimation of Educational, religious and health facilities

The consultants have been proposed seven primary schools, three high schools, three colleges, one madrasha and one health center for 2010-2015 time period. For cost estimation the consultants has collected different cost estimation from different concern government agencies. In the estimation the Consultants does not include the land value as it is rapidly change with the market situation as well as locational importance. There is need of about TK 446 crore for the development of different proposed facilities in Narail Paurashava.

Table-11.99: Lump-sum Estimate for Construction of one Primary School

Component		Sample 01	Sample 02	Sample 03 (Additional 30% of the Current Rate)
		Amount (Taka)	Amount (Taka)	Amount (Taka)
Part-A	Building Part	4050000.00	6353120.00	8259056
Part-B	Electrical Work	195000.00	218400.00	283920
Part-C	Furniture Supply	204000.00	228480.00	297024
Total		4449000.00	6800000.00	8840000

Source: Sample Cost Summary of estimation of Primary School under PEDP-3, LGED

Table-11.100: Lump-sum Estimate for Construction of one High School/ Madrasha

Component		Sample 01	Sample 02 (Additional 30% of the Current Rate)
		Amount(Taka)	Amount(Taka)
Part-A	Civil Works	5107500.00	6639750.00
Part-B	Electrical Work	339000.00	440700.00
Part-C	Furniture Supply	303500.00	394550.00
Total		5750000.00	7475000.00

Source: Office of Executive Engineer, Education Engineering Department

Table-11.101: Lump-sum Estimate for Construction of one College under Master Plan

Component		Sample 01	Sample 02 (Additional 30% of the Current Rate)
		Amount(Taka)	Amount(Taka)
Part-A	Civil Works	10215000.00	13279500.00
Part-B	Electrical Work	678000.00	881400.00
Part-C	Furniture Supply	607000.00	789100.00
Total		11500000.00	14950000.00

Source: Office of Executive Engineer, Education Engineering Department

Table-11.102: Lump-sum Estimate for Construction of health facilities under Master Plan

Component	Sample 01	Sample 02	Sample 03 (Additional 30% of the Current Rate)
Union Health and Family Welfare Center	9000000	10000000	13000000
Upazila Health Complex	140000000	150000000	195000000
Health Center for Master Plan			195000000

Source: Office of Executive Engineer, Health Engineering Department

Table-11.103: Total Cost of different services for Narail Paurashava

Proposed Id	Proposed Facility	Area in acre	Ward No.	Mouza	JI No. (Sheet No.)	Plot ID.	Land value (Taka)	Construction Cost (Taka)	Total Amount (Taka)
Edu 03	Primary School	1.36	Ward 03	Moheskhola	74(00)	362-363	40800000	8840000	49640000
Edu 09	Primary School	1.05	Ward 05	Vaukhali	068(02)	1160-1161	25200000	8840000	34040000
Edu 17	Primary School	1.45	Ward 07	Narail	63(02)	959-964	34800000	8840000	43640000
Edu 07	High School	1.96	Ward 04	Durgapur Dumur Tala	075(02)	2818-2821, 2834,3749	35280000	7475000	42755000
Edu 13	High School	1.9	Ward 06	Kurigram	69(00)	429-432	38000000	7475000	45475000
Edu 02	College	4.37	Ward 02	Borasula	49(00)	389,469-475, 480, 491-499	34960000	14950000	49910000
Grave 02	Graveyard	2.49	Ward 02	Ragunathpur	48(02)	644, 652-655	17430000	0	17430000
Grave 07	Graveyard	4	Ward 07	Betbaria	59(00)	343-350, 355	56000000	0	56000000
Eid 01	Eidgah	2.36	Ward 03	Moheskhola	74(00)	391-392, 396-398	33040000	0	33040000
Play 01	Playground	1.45	Ward 01	Doljipur	047(00)	1221-1223	6380000	0	6380000
Play 07	Playground	1.88	Ward 08	Dhopa Khola	60(00)	151-153	7520000	0	7520000
Park 03	Park	8.74	Ward 09	Brahmman Danga, Bijoypur	56(00), 55(00)	259-262, 1-4, 14-17, 23-24, 272	69920000	0	69920000
Gross Total									455750000

11.4.3 Ward wise Sources of finance of the Priority Schemes

Any development project must be located in any Ward and/ or Wards of the Paurashava. Such project will be implemented as per government policy decision. Paurashava is obliged to implement some of the prescribed services and facilities earmarked in the paurashava manual/ Acts etc. Besides other public and private agencies also implement specified projects allotted by the planning commission through ADP.

11.5 Concluding Remarks

In order to make the plans sustainable through people's participation, it is now emphasized involvement of the local stakeholders in the planning development process. Such participation creates a sense of ownership of the plan among the stakeholders that brings support for the plan and helps to create favorable conditions to implement the plan provisions. Keeping this approach in mind the present Structure Plan, Urban Area Plan and Ward Action Plans for Narail Paurashava has been prepared. It will shape and guide the growth of the town in order to meet its social, cultural, environmental, economical, and recreational and many other needs of town dwellers.

Paurashava will not be only the custodian of the plan; it will also be responsible for implementing much of the development projects. Besides, it will also be responsible for monitoring implementation of the development projects by other urban development and service giving agencies. This situation calls for strengthening the existing capacity of Paurashava to handle future volume of work.

The current plan opens up a new horizon of development opportunities and land use control through policy guide lines in broad sense and detailed development proposals unto a very micro level. The land use areas have been marked indicating the mouza and dag numbers. It is expected that control of land use development contrary to the Plan can now be prevented more easily. This will require exercise of power with more vigor and sincerity.

It is not possible for the government alone to go for plot to plot development as per plan with its meager resources. This calls for involving stakeholders, particularly, the land owners in the development process. Such initiative is possible at the local level infrastructure development, where the land owners will be directly benefited. In case of wider level development the development authority can take initiatives for infrastructure cost realization from land owners though evolving innovative mechanism.

Rule of law must be established. A culture of law obedience must be created among the people in general and such practice should start with government agencies first, who often are found not following the regulations of building plan approval. It is hardly possible for the government to control all irregularities unless the people themselves become conscious and cooperative. If necessary stringent measures should be taken against the violators to make people abide by laws.

Regular monitoring of the plan implementation is necessary together with monitoring of urban development trend in new areas. Monitoring would help early detection of problems and suggesting solutions for their amelioration. An early measure in tackling problems can not only save huge public money, but also the miseries of the town dwellers. It is expected that the proper implementation of this plan with close monitoring will make this prosperous town livable, healthy and will bring overall socio-economic development in future.

Annex – C
Proposed Secondary Road of Narail Paurashava

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward no.
S67	0.00			Secondary	70.651	18	New Construction	Phase 1	Ward 05
S80	0.00			Secondary	1237.589	18	New Construction	Phase 1	Ward 02
S81	0.00			Secondary	548.641	18	New Construction	Phase 1	Ward 01
S82	0.00			Secondary	472.254	18	New Construction	Phase 1	Ward 08
S91	0.00			Secondary	148.574	18	New Construction	Phase 1	Ward 07
S93	0.00			Secondary	206.728	18	New Construction	Phase 1	Ward 08
S95	0.00			Secondary	28.844	18	New Construction	Phase 1	Ward 06
S1	4.00		Road_Pucca	Secondary	855.839	18	Widening	Phase 1	Ward 01(Ext)
S2	4.00		Road_Pucca	Secondary	423.645	18	Widening	Phase 1	Ward 01(Ext)
S3	4.00		Road_Pucca	Secondary	213.767	18	Widening	Phase 1	Ward 01(Ext)
S4	3.00		Road_Pucca	Secondary	323.493	18	Widening	Phase 1	Ward 01(Ext)
S5	3.00		Road_Pucca	Secondary	119.984	18	Widening	Phase 1	Ward 01(Ext)
S6	3.00		Road_Pucca	Secondary	322.297	18	Widening	Phase 1	Ward 01(Ext)
S7	3.80		Road_Pucca	Secondary	457.218	18	Widening	Phase 1	Ward 01(Ext)
S12	3.00		Road_Pucca	Secondary	349.723	18	Widening	Phase 1	Ward 09
S13	3.20	Helipad Road	Road_Pucca	Secondary	490.059	18	Widening	Phase 1	Ward 06
S14	3.20	Machimdia Road	Road_Pucca	Secondary	502.959	18	Widening	Phase 1	Ward 07
S15	3.00	Ujirpur Road	Road_Pucca	Secondary	1325.699	18	Widening	Phase 1	Ward 09
S16	3.20		Road_Pucca	Secondary	685.817	18	Widening	Phase 1	Ward 09
S17	2.00		Road_Semipucca	Secondary	469.709	18	Widening	Phase 1	Ward 08
S18	3.00		Road_Pucca	Secondary	422.072	18	Widening	Phase 1	Ward 09
S19	3.00		Road_Pucca	Secondary	356.744	18	Widening	Phase 1	Ward 09
S23	5.70	Court Road	Road_Pucca	Secondary	387.460	18	Widening	Phase 1	Ward 04
S25	5.00		Road_Pucca	Secondary	74.192	18	Widening	Phase 1	Ward 06
S26	4.00	Rupgonj Bazar Road	Road_Pucca	Secondary	376.186	18	Widening	Phase 1	Ward 06
S27	5.50	Jessore Road	Road_Pucca	Secondary	358.260	18	Widening	Phase 1	Ward 05
S28	7.90	Jessore Road	Road_Pucca	Secondary	101.796	18	Widening	Phase 1	Ward 05
S29	8.40	Jessore Road	Road_Pucca	Secondary	82.814	18	Widening	Phase 1	Ward 05
S32	3.00		Road_Semipucca	Secondary	528.729	18	Widening	Phase 1	Ward 09
S34	6.00	Jessore Road	Road_Pucca	Secondary	570.479	18	Widening	Phase 1	Ward 06
S35	5.50	Gobra road	Road_Pucca	Secondary	288.542	18	Widening	Phase 1	Ward 08
S38	3.00		Road_Semipucca	Secondary	390.321	18	Widening	Phase 1	Ward 09
S39	4.00	Kalibari Road/ Sarnopatti Road	Road_Pucca	Secondary	196.839	18	Widening	Phase 1	Ward 06
S41	8.40	Jessore Road	Road_Pucca	Secondary	35.324	18	Widening	Phase 1	Ward 06
S42	3.00		Road_Semipucca	Secondary	231.586	18	Widening	Phase 1	Ward 02
S43	5.30	Jessore Road	Road_Pucca	Secondary	266.735	18	Widening	Phase 1	Ward 05

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward no.
S45	5.70	Court Road	Road_Pucca	Secondary	282.153	18	Widening	Phase 1	Ward 05
S48	5.30	Court Road	Road_Pucca	Secondary	321.756	18	Widening	Phase 1	Ward 04
S49	6.50	Court Road	Road_Pucca	Secondary	209.424	18	Widening	Phase 1	Ward 03
S50	6.90	Court Road	Road_Pucca	Secondary	104.734	18	Widening	Phase 1	Ward 03
S52	3.50		Road_Pucca	Secondary	167.115	18	Widening	Phase 1	Ward 01
S53	3.00	Ujirpur Road	Road_Pucca	Secondary	306.379	18	Widening	Phase 1	Ward 09
S54	3.20		Road_Pucca	Secondary	100.322	18	Widening	Phase 1	Ward 09
S55	3.20		Road_Pucca	Secondary	180.855	18	Widening	Phase 1	Ward 09
S56	4.30		Road_Pucca	Secondary	262.655	18	Widening	Phase 1	Ward 09
S57	3.25	Hatbaria Road	Road_Pucca	Secondary	142.611	18	Widening	Phase 1	Ward 07
S58	3.00	Hatbaria Mission Road	Road_Pucca	Secondary	231.109	18	Widening	Phase 1	Ward 09
S59	3.00		Road_Semipucca	Secondary	273.386	18	Widening	Phase 1	Ward 08
S60	2.50		Road_Semipucca	Secondary	45.459	18	Widening	Phase 1	Ward 08
S61	5.50	Gobra road	Road_Pucca	Secondary	557.140	18	Widening	Phase 1	Ward 06
S62	8.40	Jessore Road	Road_Pucca	Secondary	36.695	18	Widening	Phase 1	Ward 05
S63	7.10	Jessore Road	Road_Pucca	Secondary	76.608	18	Widening	Phase 1	Ward 06
S64	6.60	Jessore Road	Road_Pucca	Secondary	53.365	18	Widening	Phase 1	Ward 06
S65	7.40	Jessore Road	Road_Pucca	Secondary	155.288	18	Widening	Phase 1	Ward 06
S66	3.25	Machimdia Road	Road_Pucca	Secondary	27.511	18	Widening	Phase 1	Ward 09
S79	3.60		Road_Katcha	Secondary	183.893	18	Widening	Phase 1	Ward 02
S86	3.25	Hatbaria Road	Road_Pucca	Secondary	69.153	18	Widening	Phase 1	Ward 07
S92	5.00	Narail-Gobra Main Road	Road_Pucca	Secondary	846.131	18	Widening	Phase 1	Ward 07
S99	3.80		Road_Pucca	Secondary	457.218	18	Widening	Phase 1	Ward 01
S101	3.20	Machimdia Road	Road_Pucca	Secondary	502.959	18	Widening	Phase 1	Ward 06
S102	5.00	Narail-Gobra Main Road	Road_Pucca	Secondary	846.131	18	Widening	Phase 1	Ward 06
S78	0.00			Secondary	140.618	18	New Construction	Phase 2	Ward 04
S84	0.00			Secondary	54.956	18	New Construction	Phase 2	Ward 07(Ext)
S85	0.00			Secondary	166.790	18	New Construction	Phase 2	Ward 07(Ext)
S87	0.00			Secondary	1554.935	18	New Construction	Phase 2	Ward 04
S94	0.00			Secondary	204.148	18	New Construction	Phase 2	Ward 06
S96	0.00			Secondary	1554.935	18	New Construction	Phase 2	Ward 02
S8	6.00	Magura Road	Road_Pucca	Secondary	727.019	18	Widening	Phase 2	Ward 01
S9	5.60	Magura Road	Road_Pucca	Secondary	649.887	18	Widening	Phase 2	Ward 04
S10	5.40	Magura Road	Road_Pucca	Secondary	708.001	18	Widening	Phase 2	Ward 05
S20	4.00		Road_Katcha	Secondary	450.500	18	Widening	Phase 2	Ward 02
S22	2.50		Road_Semipucca	Secondary	162.253	18	Widening	Phase 2	Ward 04
S24	4.00		Road_Pucca	Secondary	120.549	18	Widening	Phase 2	Ward 07(Ext)
S31	2.00		Road_Katcha	Secondary	122.336	18	Widening	Phase 2	Ward 07(Ext)

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward no.
S36	2.20	Bagan Bari Road	Road_Semipucca	Secondary	225.691	18	Widening	Phase 2	Ward 07(Ext)
S40	3.00	Durgapur Nayanpur Road	Road_Pucca	Secondary	762.167	18	Widening	Phase 2	Ward 04
S44	3.60		Road_Katcha	Secondary	89.400	18	Widening	Phase 2	Ward 02
S47	5.50	Magura Road	Road_Pucca	Secondary	213.921	18	Widening	Phase 2	Ward 04
S51	3.20	Durgapur Aladatpur Road	Road_Pucca	Secondary	156.921	18	Widening	Phase 2	Ward 04
S89	3.00	Durgapur Nayanpur Road	Road_Pucca	Secondary	89.352	18	Widening	Phase 2	Ward 04
S98	6.00	Magura Road	Road_Pucca	Secondary	727.019	18	Widening	Phase 2	Ward 04
S100	5.40	Magura Road	Road_Pucca	Secondary	708.001	18	Widening	Phase 2	Ward 04
S69	0.00			Secondary	60.141	18	New Construction	Phase 4	Ward 05
S72	0.00			Secondary	30.291	18	New Construction	Phase 4	Ward 04
S74	0.00			Secondary	156.883	18	New Construction	Phase 4	Ward 04
S76	0.00			Secondary	151.436	18	New Construction	Phase 4	Ward 02
S83	0.00			Secondary	926.880	18	New Construction	Phase 4	Ward 08
S88	0.00			Secondary	542.769	18	New Construction	Phase 4	Ward 05
S11	3.00		Road_Semipucca	Secondary	193.346	18	Widening	Phase 4	Ward 04
S21	2.50		Road_Semipucca	Secondary	267.142	18	Widening	Phase 4	Ward 02
S30	3.00		Road_Katcha	Secondary	121.463	18	Widening	Phase 4	Ward 05
S33	2.00		Road_Katcha	Secondary	109.058	18	Widening	Phase 4	Ward 05
S37	3.00		Road_Katcha	Secondary	163.437	18	Widening	Phase 4	Ward 08
S46	6.00	Jail Road	Road_Katcha	Secondary	259.808	18	Widening	Phase 4	Ward 04
S68	3.30	Hamid Textile Mill Road	Road_Pucca	Secondary	84.126	18	Widening	Phase 4	Ward 05
S70	3.30	Hamid Textile Mill Road	Road_Pucca	Secondary	79.814	18	Widening	Phase 4	Ward 05
S71	3.00		Road_Semipucca	Secondary	40.221	18	Widening	Phase 4	Ward 05
S73	2.00		Road_Pucca	Secondary	44.819	18	Widening	Phase 4	Ward 04
S75	7.00	Jail Road	Road_Katcha	Secondary	129.571	18	Widening	Phase 4	Ward 04
S77	3.00	Jail Khana Road	Road_Semipucca	Secondary	149.139	18	Widening	Phase 4	Ward 02
S90	0.00			Secondary	62.959	18	Widening	Phase 4	Ward 02
S97	3.00	Jail Khana Road	Road_Semipucca	Secondary	149.139	18	Widening	Phase 4	Ward 04

Annex – D
Proposed Tertiary Road of Narail Paurashava

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward No.
T212	0.00			Tertiary	96.895	16	New Construction	Phase 1	Ward 07
T213	0.00			Tertiary	306.461	16	New Construction	Phase 1	Ward 07
T215	0.00			Tertiary	222.580	16	New Construction	Phase 1	Ward 05
T220	0.00			Tertiary	95.057	16	New Construction	Phase 1	Ward 04
T231	0.00			Tertiary	198.314	16	New Construction	Phase 1	Ward 05
T237	0.00			Tertiary	15.777	16	New Construction	Phase 1	Ward 09
T245	0.00			Tertiary	49.047	16	New Construction	Phase 1	Ward 05
T283	0.00			Tertiary	400.794	16	New Construction	Phase 1	Ward 06
T21	3.00	City College Road	Road_Pucca	Tertiary	763.101	16	Widening	Phase 1	Ward 03
T22	3.20	City College Road	Road_Pucca	Tertiary	583.799	16	Widening	Phase 1	Ward 03
T24	5.70	Victoria College Road/ Badhaghat Road	Road_Pucca	Tertiary	641.245	16	Widening	Phase 1	Ward 06
T56	2.50		Road_Pucca	Tertiary	420.198	16	Widening	Phase 1	Ward 03
T67	3.00	Vouakahli Kahirdanga Road	Road_Pucca	Tertiary	272.977	16	Widening	Phase 1	Ward 05
T69	6.00	Hatibagan Road	Road_Pucca	Tertiary	458.528	16	Widening	Phase 1	Ward 06
T70	5.00		Road_Pucca	Tertiary	23.572	16	Widening	Phase 1	Ward 06
T75	3.00	Jaker Sibir Road	Road_Pucca	Tertiary	274.435	16	Widening	Phase 1	Ward 06(Ext)
T76	2.50	Jaker Sibir Road	Road_Pucca	Tertiary	239.183	16	Widening	Phase 1	Ward 07(Ext)
T77	4.00		Road_Katcha	Tertiary	157.686	16	Widening	Phase 1	Ward 07(Ext)
T78	3.00	Asrom Road	Road_Pucca	Tertiary	262.271	16	Widening	Phase 1	Ward 06
T79	3.60	Manik Sarak	Road_Pucca	Tertiary	358.274	16	Widening	Phase 1	Ward 06
T80	2.00		Road_Semipucca	Tertiary	203.460	16	Widening	Phase 1	Ward 04
T83	2.60		Road_Semipucca	Tertiary	140.160	16	Widening	Phase 1	Ward 05
T84	7.00	Chitra Ferry Ghut Road	Road_Pucca	Tertiary	86.102	16	Widening	Phase 1	Ward 03
T86	3.30	Gochar Road	Road_Pucca	Tertiary	586.255	16	Widening	Phase 1	Ward 04
T90	3.00	Vouakahli Ghoshpara Road	Road_Pucca	Tertiary	334.502	16	Widening	Phase 1	Ward 05
T91	3.00	South Narail Village Road	Road_Pucca	Tertiary	614.037	16	Widening	Phase 1	Ward 07(Ext)
T96	2.00		Road_Katcha	Tertiary	111.562	16	Widening	Phase 1	Ward 07
T99	2.00		Road_Pucca	Tertiary	83.200	16	Widening	Phase 1	Ward 04
T100	2.00		Road_Katcha	Tertiary	154.798	16	Widening	Phase 1	Ward 04
T110	1.00		Road_Semipucca	Tertiary	91.019	16	Widening	Phase 1	Ward 07
T112	1.80	Police Line Road	Road_Katcha	Tertiary	60.994	16	Widening	Phase 1	Ward 07(Ext)
T129	3.70	Shahid Muktijoddha Mamunur Rashid Kanchan Road	Road_Pucca	Tertiary	182.052	16	Widening	Phase 1	Ward 03
T133	2.50		Road_Semipucca	Tertiary	110.317	16	Widening	Phase 1	Ward 04
T139	2.50	City Scholl Road	Road_Katcha	Tertiary	33.517	16	Widening	Phase 1	Ward 04

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward No.
T140	2.00	City Scholl Road	Road_Semipucca	Tertiary	49.819	16	Widening	Phase 1	Ward 04
T141	5.00	Chitra Ferry Ghut Road	Road_Pucca	Tertiary	68.426	16	Widening	Phase 1	Ward 03
T169	5.60	Hatibagan Road	Road_Pucca	Tertiary	195.161	16	Widening	Phase 1	Ward 07(Ext)
T170	3.00		Road_Katcha	Tertiary	48.927	16	Widening	Phase 1	Ward 07(Ext)
T171	3.00	Police Line Road	Road_Semipucca	Tertiary	196.018	16	Widening	Phase 1	Ward 07(Ext)
T172	1.80		Road_Semipucca	Tertiary	67.645	16	Widening	Phase 1	Ward 07(Ext)
T173	4.00		Road_Semipucca	Tertiary	45.333	16	Widening	Phase 1	Ward 07(Ext)
T191	3.00	Vouakahli Kahirdanga Road	Road_Pucca	Tertiary	70.369	16	Widening	Phase 1	Ward 05
T192	3.00	Vouakahli Uttarpara Road	Road_Pucca	Tertiary	92.317	16	Widening	Phase 1	Ward 05
T230	0.00			Tertiary	55.982	16	Widening	Phase 1	Ward 04
T232	2.50	Central Jame Mosjid Road	Road_Pucca	Tertiary	16.318	16	Widening	Phase 1	Ward 03
T238	3.00		Road_Katcha	Tertiary	59.665	16	Widening	Phase 1	Ward 07
T240	0.00			Tertiary	117.359	16	Widening	Phase 1	Ward 07(Ext)
T246	3.00	Vouakahli Ghoshpara Road	Road_Pucca	Tertiary	53.555	16	Widening	Phase 1	Ward 05
T247	2.80		Road_Pucca	Tertiary	18.531	16	Widening	Phase 1	Ward 05
T249	0.00			Tertiary	30.504	16	Widening	Phase 1	Ward 07(Ext)
T250	2.50	Jaker Sibir Road	Road_Pucca	Tertiary	32.741	16	Widening	Phase 1	Ward 07(Ext)
T284	4.00		Road_Katcha	Tertiary	21.315	16	Widening	Phase 1	Ward 07(Ext)
T296	4.00	Kalibari Road/ Sarnopatti Road	Road_Pucca	Tertiary	60.770	16	Widening	Phase 1	Ward 06
T297	0.00			Tertiary	51.653	16	Widening	Phase 1	Ward 06
T305	3.00	City College Road	Road_Pucca	Tertiary	763.101	16	Widening	Phase 1	Ward 04
T309	3.30	Gochar Road	Road_Pucca	Tertiary	586.255	16	Widening	Phase 1	Ward 05
T185	0.00			Tertiary	349.377	16	New Construction	Phase 2	Ward 08
T202	0.00			Tertiary	514.790	16	New Construction	Phase 2	Ward 08
T210	0.00			Tertiary	151.454	16	New Construction	Phase 2	Ward 07
T211	0.00			Tertiary	480.022	16	New Construction	Phase 2	Ward 07
T251	0.00			Tertiary	175.783	16	New Construction	Phase 2	Ward 01
T254	0.00			Tertiary	237.559	16	New Construction	Phase 2	Ward 01(Ext)
T273	0.00			Tertiary	68.895	16	New Construction	Phase 2	Ward 08
T274	0.00			Tertiary	96.274	16	New Construction	Phase 2	Ward 09
T275	0.00			Tertiary	295.223	16	New Construction	Phase 2	Ward 09
T277	0.00			Tertiary	77.960	16	New Construction	Phase 2	Ward 08
T282	0.00			Tertiary	52.294	16	New Construction	Phase 2	Ward 08
T287	0.00			Tertiary	107.042	16	New Construction	Phase 2	Ward 02
T3	3.00		Road_Semipucca	Tertiary	375.484	16	Widening	Phase 2	Ward 01

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward No.
T6	2.50	Raghunathpur Charpara Road	Road_Semipucca	Tertiary	356.372	16	Widening	Phase 2	Ward 01(Ext)
T7	3.00	Raghunathpur Charpara Road	Road_Semipucca	Tertiary	175.448	16	Widening	Phase 2	Ward 01(Ext)
T10	3.50		Road_Katcha	Tertiary	579.653	16	Widening	Phase 2	Ward 01(Ext)
T18	3.50	Magura Road	Road_Pucca	Tertiary	367.202	16	Widening	Phase 2	Ward 01
T19	2.60		Road_Pucca	Tertiary	325.776	16	Widening	Phase 2	Ward 01
T20	2.60		Road_Semipucca	Tertiary	140.901	16	Widening	Phase 2	Ward 01(Ext)
T25	2.50		Road_Katcha	Tertiary	1256.654	16	Widening	Phase 2	Ward 08
T27	3.00		Road_Pucca	Tertiary	242.266	16	Widening	Phase 2	Ward 08
T28	3.00		Road_Pucca	Tertiary	375.079	16	Widening	Phase 2	Ward 01
T29	3.00		Road_Pucca	Tertiary	542.693	16	Widening	Phase 2	Ward 01
T30	3.00		Road_Semipucca	Tertiary	284.307	16	Widening	Phase 2	Ward 09
T31	3.00		Road_Semipucca	Tertiary	28.841	16	Widening	Phase 2	Ward 09
T34	3.00		Road_Pucca	Tertiary	401.474	16	Widening	Phase 2	Ward 09
T41	2.80		Road_Semipucca	Tertiary	317.605	16	Widening	Phase 2	Ward 08
T52	3.00	Mosheshkhula Jail Khana Road	Road_Pucca	Tertiary	545.378	16	Widening	Phase 2	Ward 03
T53	3.00		Road_Pucca	Tertiary	225.003	16	Widening	Phase 2	Ward 04
T54	3.00	Durgapur Nayanpur Road	Road_Pucca	Tertiary	948.363	16	Widening	Phase 2	Ward 04
T57	3.20	Bazar Road	Road_Pucca	Tertiary	207.469	16	Widening	Phase 2	Ward 03
T59	5.00	Shahid Saif Mizan Road	Road_Pucca	Tertiary	222.931	16	Widening	Phase 2	Ward 03
T60	3.50	Shahid Saif Mizan Road	Road_Pucca	Tertiary	246.979	16	Widening	Phase 2	Ward 03
T63	3.00	Vouakahli Kahirdanga Road	Road_Pucca	Tertiary	169.254	16	Widening	Phase 2	Ward 05
T64	3.00	Vouakahli Kahirdanga Road	Road_Semipucca	Tertiary	424.852	16	Widening	Phase 2	Ward 05
T65	3.00		Road_Semipucca	Tertiary	654.716	16	Widening	Phase 2	Ward 05
T66	2.20		Road_Semipucca	Tertiary	159.919	16	Widening	Phase 2	Ward 04
T68	3.50		Road_Katcha	Tertiary	634.062	16	Widening	Phase 2	Ward 04
T71	2.50	Siddique Road	Road_Katcha	Tertiary	658.980	16	Widening	Phase 2	Ward 09
T72	2.60		Road_Semipucca	Tertiary	322.891	16	Widening	Phase 2	Ward 08
T87	3.00	Mosheshkhula - Aladatpur Link Road	Road_Pucca	Tertiary	131.216	16	Widening	Phase 2	Ward 04
T88	3.00	Mosheshkhula - Aladatpur Link Road	Road_Semipucca	Tertiary	415.366	16	Widening	Phase 2	Ward 03
T94	2.00		Road_Katcha	Tertiary	191.838	16	Widening	Phase 2	Ward 07
T95	2.00		Road_Katcha	Tertiary	130.171	16	Widening	Phase 2	Ward 07
T101	3.30		Road_Pucca	Tertiary	146.600	16	Widening	Phase 2	Ward 04
T103	3.00	Boakhali Road	Road_Katcha	Tertiary	413.998	16	Widening	Phase 2	Ward 05
T104	3.00	Shahid Tushar Road	Road_Pucca	Tertiary	187.639	16	Widening	Phase 2	Ward 03
T111	2.50	Bagan Bari Road	Road_Semipucca	Tertiary	204.072	16	Widening	Phase 2	Ward 07(Ext)
T117	2.50		Road_Semipucca	Tertiary	275.896	16	Widening	Phase 2	Ward 09
T118	2.00		Road_Semipucca	Tertiary	185.493	16	Widening	Phase 2	Ward 09
T120	3.50		Road_Katcha	Tertiary	247.181	16	Widening	Phase 2	Ward 05
T123	4.00		Road_Katcha	Tertiary	425.085	16	Widening	Phase 2	Ward 08
T124	3.00		Road_Semipucca	Tertiary	82.489	16	Widening	Phase 2	Ward 08
T125	3.00		Road_Semipucca	Tertiary	256.593	16	Widening	Phase 2	Ward 08

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward No.
T126	2.00		Road_Semipucca	Tertiary	178.242	16	Widening	Phase 2	Ward 09
T127	4.00		Road_Katcha	Tertiary	182.168	16	Widening	Phase 2	Ward 01(Ext)
T131	3.00	Siddique Road	Road_Katcha	Tertiary	185.273	16	Widening	Phase 2	Ward 07
T132	1.50		Road_Katcha	Tertiary	360.127	16	Widening	Phase 2	Ward 09
T134	3.00		Road_Semipucca	Tertiary	86.732	16	Widening	Phase 2	Ward 01
T144	3.00		Road_Semipucca	Tertiary	7.907	16	Widening	Phase 2	Ward 03
T145	3.00		Road_Semipucca	Tertiary	266.503	16	Widening	Phase 2	Ward 03
T146	3.00	Mosheskhula - Aladatpur Link Road	Road_Semipucca	Tertiary	38.755	16	Widening	Phase 2	Ward 03
T147	2.50	Barasula Road	Road_Pucca	Tertiary	356.212	16	Widening	Phase 2	Ward 03
T150	2.00		Road_Katcha	Tertiary	123.343	16	Widening	Phase 2	Ward 09
T156	3.00		Road_Semipucca	Tertiary	45.748	16	Widening	Phase 2	Ward 08
T161	3.00		Road_Semipucca	Tertiary	61.299	16	Widening	Phase 2	Ward 08
T162	2.50		Road_Semipucca	Tertiary	48.541	16	Widening	Phase 2	Ward 08
T163	2.70		Road_Semipucca	Tertiary	100.435	16	Widening	Phase 2	Ward 07
T166	2.20		Road_Semipucca	Tertiary	32.382	16	Widening	Phase 2	Ward 04
T167	3.00		Road_Katcha	Tertiary	176.752	16	Widening	Phase 2	Ward 04
T168	2.60		Road_Pucca	Tertiary	241.665	16	Widening	Phase 2	Ward 06(Ext)
T174	2.30		Road_Semipucca	Tertiary	183.937	16	Widening	Phase 2	Ward 05
T178	2.50		Road_Semipucca	Tertiary	82.969	16	Widening	Phase 2	Ward 09
T181	3.00		Road_Semipucca	Tertiary	27.778	16	Widening	Phase 2	Ward 03
T184	4.00		Road_Katcha	Tertiary	269.974	16	Widening	Phase 2	Ward 08
T190	2.20		Road_Semipucca	Tertiary	70.020	16	Widening	Phase 2	Ward 04
T200	3.00		Road_Semipucca	Tertiary	35.992	16	Widening	Phase 2	Ward 09
T201	2.00		Road_Semipucca	Tertiary	65.459	16	Widening	Phase 2	Ward 09
T203	3.50		Road_Katcha	Tertiary	134.387	16	Widening	Phase 2	Ward 08
T219	3.00		Road_Semipucca	Tertiary	111.477	16	Widening	Phase 2	Ward 03
T248	0.00			Tertiary	68.441	16	Widening	Phase 2	Ward 05
T263	0.00			Tertiary	58.123	16	Widening	Phase 2	Ward 09
T276	3.00		Road_Pucca	Tertiary	42.036	16	Widening	Phase 2	Ward 08
T285	0.00			Tertiary	460.361	16	Widening	Phase 2	Ward 06
T286	3.00	Asrom Road	Road_Pucca	Tertiary	73.439	16	Widening	Phase 2	Ward 06
T298	2.80		Road_Semipucca	Tertiary	381.959	16	Widening	Phase 2	Ward 01
T304	3.00	Boakhali Road	Road_Katcha	Tertiary	413.998	16	Widening	Phase 2	Ward 04
T306	3.00	Mosheskhula - Aladatpur Link Road	Road_Semipucca	Tertiary	415.366	16	Widening	Phase 2	Ward 04
T310	0.00			Tertiary	460.361	16	Widening	Phase 2	Ward 06(Ext)
T189	0.00			Tertiary	437.148	16	New Construction	Phase 3	Ward 04
T195	0.00			Tertiary	1065.782	16	New Construction	Phase 3	Ward 02
T205	0.00			Tertiary	565.332	16	New Construction	Phase 3	Ward 09
T206	0.00			Tertiary	937.240	16	New Construction	Phase 3	Ward 08
T208	0.00			Tertiary	731.803	16	New Construction	Phase 3	Ward 08
T214	0.00			Tertiary	1171.372	16	New Construction	Phase 3	Ward 08
T217	0.00			Tertiary	60.059	16	New Construction	Phase 3	Ward 05
T218	0.00			Tertiary	139.072	16	New Construction	Phase 3	Ward 06
T233	0.00			Tertiary	730.624	16	New Construction	Phase 3	Ward 08
T235	0.00			Tertiary	183.288	16	New	Phase 3	Ward 07

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward No.
							Construction		
T241	0.00			Tertiary	130.405	16	New Construction	Phase 3	Ward 07(Ext)
T243	0.00			Tertiary	335.507	16	New Construction	Phase 3	Ward 04
T257	0.00			Tertiary	157.445	16	New Construction	Phase 3	Ward 08
T259	0.00			Tertiary	1341.166	16	New Construction	Phase 3	Ward 08
T260	0.00			Tertiary	1309.221	16	New Construction	Phase 3	Ward 09
T262	0.00			Tertiary	148.841	16	New Construction	Phase 3	Ward 09
T267	0.00			Tertiary	48.989	16	New Construction	Phase 3	Ward 08
T270	0.00			Tertiary	170.459	16	New Construction	Phase 3	Ward 08
T279	0.00			Tertiary	87.923	16	New Construction	Phase 3	Ward 08
T280	0.00			Tertiary	84.076	16	New Construction	Phase 3	Ward 08
T281	0.00			Tertiary	14.858	16	New Construction	Phase 3	Ward 08
T288	0.00			Tertiary	1812.472	16	New Construction	Phase 3	Ward 02
T294	0.00			Tertiary	165.135	16	New Construction	Phase 3	Ward 01
T295	0.00			Tertiary	284.385	16	New Construction	Phase 3	Ward 01
T311	0.00			Tertiary	139.072	16	New Construction	Phase 3	Ward 06
T312	0.00			Tertiary	1171.372	16	New Construction	Phase 3	Ward 07
T314	0.00			Tertiary	731.803	16	New Construction	Phase 3	Ward 08
T1	3.00		Road_Pucca	Tertiary	258.673	16	Widening	Phase 3	Ward 01(Ext)
T2	2.60		Road_Semipucca	Tertiary	562.467	16	Widening	Phase 3	Ward 01(Ext)
T4	2.80		Road_Semipucca	Tertiary	381.959	16	Widening	Phase 3	Ward 01
T5	3.00		Road_Pucca	Tertiary	659.496	16	Widening	Phase 3	Ward 01(Ext)
T8	3.00		Road_Semipucca	Tertiary	200.842	16	Widening	Phase 3	Ward 01
T9	2.00		Road_Katcha	Tertiary	77.675	16	Widening	Phase 3	Ward 01
T11	3.50		Road_Katcha	Tertiary	59.454	16	Widening	Phase 3	Ward 01
T12	2.80		Road_Katcha	Tertiary	207.532	16	Widening	Phase 3	Ward 01(Ext)
T13	2.50		Road_Katcha	Tertiary	384.144	16	Widening	Phase 3	Ward 01(Ext)
T14	2.50		Road_Katcha	Tertiary	66.856	16	Widening	Phase 3	Ward 01(Ext)
T15	2.00		Road_Katcha	Tertiary	352.702	16	Widening	Phase 3	Ward 01(Ext)
T16	2.00		Road_Katcha	Tertiary	208.212	16	Widening	Phase 3	Ward 01(Ext)
T17	2.00		Road_Katcha	Tertiary	32.154	16	Widening	Phase 3	Ward 01(Ext)
T26	2.50	Hatbaria Mission Road	Road_Semipucca	Tertiary	329.108	16	Widening	Phase 3	Ward 09
T32	2.50		Road_Semipucca	Tertiary	524.291	16	Widening	Phase 3	Ward 09
T33	3.00		Road_Pucca	Tertiary	222.443	16	Widening	Phase 3	Ward 08
T35	3.00		Road_Semipucca	Tertiary	112.441	16	Widening	Phase 3	Ward 08
T36	3.20		Road_Semipucca	Tertiary	128.511	16	Widening	Phase 3	Ward 08
T37	3.00		Road_Semipucca	Tertiary	158.254	16	Widening	Phase 3	Ward 08
T38	2.00		Road_Semipucca	Tertiary	375.197	16	Widening	Phase 3	Ward 08
T39	2.00		Road_Semipucca	Tertiary	130.288	16	Widening	Phase 3	Ward 08
T40	2.00		Road_Semipucca	Tertiary	312.206	16	Widening	Phase 3	Ward 08

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward No.
T42	2.00		Road_Katcha	Tertiary	154.731	16	Widening	Phase 3	Ward 08
T48	2.50		Road_Katcha	Tertiary	112.804	16	Widening	Phase 3	Ward 02
T49	2.80		Road_Semipucca	Tertiary	108.144	16	Widening	Phase 3	Ward 02
T50	3.60		Road_Katcha	Tertiary	159.382	16	Widening	Phase 3	Ward 02
T55	3.00	Malidanga Road	Road_Pucca	Tertiary	416.669	16	Widening	Phase 3	Ward 04
T61	3.00		Road_Pucca	Tertiary	520.344	16	Widening	Phase 3	Ward 04
T62	3.00		Road_Semipucca	Tertiary	454.732	16	Widening	Phase 3	Ward 04
T82	2.00		Road_Semipucca	Tertiary	234.387	16	Widening	Phase 3	Ward 04
T85	3.60	Munsi Ualiar Road	Road_Pucca	Tertiary	301.414	16	Widening	Phase 3	Ward 04
T89	3.00	Shahid Tushar Road	Road_Pucca	Tertiary	315.898	16	Widening	Phase 3	Ward 03
T92	3.00	Bethbaria Road	Road_Pucca	Tertiary	328.755	16	Widening	Phase 3	Ward 06
T93	3.00	Bethbaria Road	Road_Semipucca	Tertiary	278.060	16	Widening	Phase 3	Ward 07(Ext)
T102	3.00	Khanpara Road	Road_Semipucca	Tertiary	195.402	16	Widening	Phase 3	Ward 02
T105	3.50		Road_Pucca	Tertiary	201.832	16	Widening	Phase 3	Ward 06
T106	2.00		Road_Semipucca	Tertiary	152.350	16	Widening	Phase 3	Ward 06
T107	5.00	Bethbaria Road	Road_Katcha	Tertiary	256.175	16	Widening	Phase 3	Ward 07
T108	3.00	Bethbaria Road	Road_Semipucca	Tertiary	123.610	16	Widening	Phase 3	Ward 07
T109	3.00		Road_Semipucca	Tertiary	456.857	16	Widening	Phase 3	Ward 07
T113	2.50		Road_Semipucca	Tertiary	203.820	16	Widening	Phase 3	Ward 09
T114	3.00		Road_Katcha	Tertiary	258.340	16	Widening	Phase 3	Ward 09
T115	2.50		Road_Semipucca	Tertiary	142.125	16	Widening	Phase 3	Ward 09
T116	2.00		Road_Semipucca	Tertiary	188.682	16	Widening	Phase 3	Ward 09
T121	2.50		Road_Katcha	Tertiary	180.908	16	Widening	Phase 3	Ward 05
T128	2.50		Road_Semipucca	Tertiary	194.955	16	Widening	Phase 3	Ward 09
T130	3.00		Road_Semipucca	Tertiary	130.358	16	Widening	Phase 3	Ward 04
T143	3.20	Munsi Ualiar Road	Road_Pucca	Tertiary	221.380	16	Widening	Phase 3	Ward 03
T148	2.60		Road_Semipucca	Tertiary	51.870	16	Widening	Phase 3	Ward 01(Ext)
T149	2.00		Road_Semipucca	Tertiary	252.234	16	Widening	Phase 3	Ward 08
T151	2.50		Road_Katcha	Tertiary	233.561	16	Widening	Phase 3	Ward 09
T152	3.00		Road_Semipucca	Tertiary	129.353	16	Widening	Phase 3	Ward 09
T153	3.00		Road_Katcha	Tertiary	49.701	16	Widening	Phase 3	Ward 08
T154	3.00		Road_Semipucca	Tertiary	81.310	16	Widening	Phase 3	Ward 08
T157	2.50		Road_Semipucca	Tertiary	66.427	16	Widening	Phase 3	Ward 08
T158	2.00		Road_Semipucca	Tertiary	171.102	16	Widening	Phase 3	Ward 08
T159	2.00		Road_Katcha	Tertiary	40.170	16	Widening	Phase 3	Ward 08
T160	4.00		Road_Semipucca	Tertiary	81.812	16	Widening	Phase 3	Ward 08
T164	3.00	Bethbaria Road	Road_Semipucca	Tertiary	199.802	16	Widening	Phase 3	Ward 07
T165	5.00		Road_Katcha	Tertiary	186.006	16	Widening	Phase 3	Ward 04
T176	2.00		Road_Katcha	Tertiary	50.819	16	Widening	Phase 3	Ward 08
T177	2.50	Hatbaria Mission Road	Road_Semipucca	Tertiary	174.802	16	Widening	Phase 3	Ward 09
T179	3.00		Road_Semipucca	Tertiary	114.411	16	Widening	Phase 3	Ward 08
T180	3.00	Kurigram Nilam Sarak	Road_Pucca	Tertiary	143.585	16	Widening	Phase 3	Ward 05
T193	3.00		Road_Katcha	Tertiary	158.734	16	Widening	Phase 3	Ward 08
T194	2.50		Road_Semipucca	Tertiary	155.176	16	Widening	Phase 3	Ward 08
T196	3.60		Road_Katcha	Tertiary	86.998	16	Widening	Phase 3	Ward 02
T199	3.00		Road_Semipucca	Tertiary	134.148	16	Widening	Phase 3	Ward 08
T204	3.00	Ujirpur Road	Road_Pucca	Tertiary	242.933	16	Widening	Phase 3	Ward 08
T207	0.00			Tertiary	195.884	16	Widening	Phase 3	Ward 09
T209	3.00	Bethbaria Road	Road_Semipucca	Tertiary	43.750	16	Widening	Phase 3	Ward 07
T216	2.00		Road_Semipucca	Tertiary	89.139	16	Widening	Phase 3	Ward 05

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward No.
T225	3.50		Road_Katcha	Tertiary	58.379	16	Widening	Phase 3	Ward 01(Ext)
T226	2.80		Road_Semipucca	Tertiary	134.451	16	Widening	Phase 3	Ward 01
T236	5.00	Bethbaria Road	Road_Katcha	Tertiary	56.124	16	Widening	Phase 3	Ward 07
T239	0.00			Tertiary	86.075	16	Widening	Phase 3	Ward 07
T242	3.00	Helipad Road	Road_Semipucca	Tertiary	52.105	16	Widening	Phase 3	Ward 07(Ext)
T261	2.50		Road_Katcha	Tertiary	134.545	16	Widening	Phase 3	Ward 09
T264	0.00			Tertiary	102.599	16	Widening	Phase 3	Ward 08
T265	2.00		Road_Semipucca	Tertiary	33.992	16	Widening	Phase 3	Ward 08
T268	3.00		Road_Semipucca	Tertiary	61.161	16	Widening	Phase 3	Ward 08
T269	0.00			Tertiary	360.320	16	Widening	Phase 3	Ward 08
T271	2.00		Road_Semipucca	Tertiary	198.165	16	Widening	Phase 3	Ward 08
T272	0.00			Tertiary	169.308	16	Widening	Phase 3	Ward 08
T278	3.00		Road_Pucca	Tertiary	47.351	16	Widening	Phase 3	Ward 08
T289	2.50	Vatia Road	Road_Semipucca	Tertiary	27.988	16	Widening	Phase 3	Ward 02
T290	3.00		Road_Semipucca	Tertiary	96.970	16	Widening	Phase 3	Ward 01
T183	0.00			Tertiary	1351.095	16	New Construction	Phase 4	Ward 05
T188	0.00			Tertiary	1072.337	16	New Construction	Phase 4	Ward 04
T221	0.00			Tertiary	402.682	16	New Construction	Phase 4	Ward 01
T222	0.00			Tertiary	64.152	16	New Construction	Phase 4	Ward 01
T223	0.00			Tertiary	103.283	16	New Construction	Phase 4	Ward 01
T224	0.00			Tertiary	191.677	16	New Construction	Phase 4	Ward 01
T227	0.00			Tertiary	53.948	16	New Construction	Phase 4	Ward 03
T229	0.00			Tertiary	211.266	16	New Construction	Phase 4	Ward 04
T234	0.00			Tertiary	1003.182	16	New Construction	Phase 4	Extension
T244	0.00			Tertiary	225.804	16	New Construction	Phase 4	Ward 05
T252	0.00			Tertiary	2169.489	16	New Construction	Phase 4	Ward 01(Ext)
T253	0.00			Tertiary	1114.901	16	New Construction	Phase 4	Ward 05
T255	0.00			Tertiary	581.425	16	New Construction	Phase 4	Ward 04
T258	0.00			Tertiary	2229.248	16	New Construction	Phase 4	Ward 09
T266	0.00			Tertiary	760.811	16	New Construction	Phase 4	Ward 08
T291	0.00			Tertiary	5285.088	16	New Construction	Phase 4	Extension
T292	0.00			Tertiary	3344.107	16	New Construction	Phase 4	Ward 01(Ext)
T301	0.00			Tertiary	2169.489	16	New Construction	Phase 4	Ward 01
T302	0.00			Tertiary	581.425	16	New Construction	Phase 4	Ward 05
T303	0.00			Tertiary	1351.095	16	New Construction	Phase 4	Ward 04
T307	0.00			Tertiary	3344.107	16	New Construction	Phase 4	Ward 04
T308	0.00			Tertiary	1072.337	16	New Construction	Phase 4	Ward 05
T313	0.00			Tertiary	1003.182	16	New Construction	Phase 4	Ward 07
T315	0.00			Tertiary	5285.088	16	New Construction	Phase 4	Ward 08
T316	0.00			Tertiary	5285.088	16	New	Phase 4	Ward

Proposed ID	Existing Road Width (m)	Road Name	Existing Road Type	Proposed Road Type	Length (m)	Proposed Road width(m)	Remarks	Phase	Ward No.
							Construction		06(Ext)
T317	0.00			Tertiary	5285.088	16	New Construction	Phase 4	Extension
T23	2.70	Vatia Road	Road_Semipucca	Tertiary	588.472	16	Widening	Phase 4	Ward 02
T43	2.00		Road_Semipucca	Tertiary	277.273	16	Widening	Phase 4	Ward 09
T44	2.00		Road_Katcha	Tertiary	185.581	16	Widening	Phase 4	Ward 09
T45	3.00		Road_Semipucca	Tertiary	191.328	16	Widening	Phase 4	Ward 01
T46	3.00		Road_Semipucca	Tertiary	107.682	16	Widening	Phase 4	Ward 01
T47	2.60		Road_Semipucca	Tertiary	98.705	16	Widening	Phase 4	Ward 01
T51	3.00	Barsolo Road	Road_Semipucca	Tertiary	942.038	16	Widening	Phase 4	Ward 02
T58	3.00	Shahid Mujib Road	Road_Pucca	Tertiary	262.190	16	Widening	Phase 4	Ward 03
T73	3.00		Road_Katcha	Tertiary	156.754	16	Widening	Phase 4	Ward 04
T74	4.00	Durgapur Road	Road_Katcha	Tertiary	134.510	16	Widening	Phase 4	Ward 04
T81	2.00		Road_Katcha	Tertiary	164.318	16	Widening	Phase 4	Ward 04
T97	3.00		Road_Semipucca	Tertiary	103.409	16	Widening	Phase 4	Ward 05
T98	2.00		Road_Katcha	Tertiary	180.514	16	Widening	Phase 4	Ward 01
T119	1.80		Road_Semipucca	Tertiary	67.631	16	Widening	Phase 4	Ward 05
T122	2.00		Road_Katcha	Tertiary	111.130	16	Widening	Phase 4	Ward 05
T135	2.50	Vatia Road	Road_Semipucca	Tertiary	33.659	16	Widening	Phase 4	Ward 02
T136	2.70	Vatia Road	Road_Semipucca	Tertiary	470.277	16	Widening	Phase 4	Ward 02
T137	2.80	Vatia Road	Road_Katcha	Tertiary	158.327	16	Widening	Phase 4	Ward 04
T138	2.50	Barasula Road	Road_Pucca	Tertiary	90.761	16	Widening	Phase 4	Ward 02
T142	1.60		Road_Katcha	Tertiary	54.768	16	Widening	Phase 4	Ward 03
T155	2.50		Road_Semipucca	Tertiary	174.598	16	Widening	Phase 4	Ward 08
T175	2.80	Vatia Road	Road_Semipucca	Tertiary	31.208	16	Widening	Phase 4	Ward 04
T182	3.60	Mulia Road	Road_Pucca	Tertiary	2792.343	16	Widening	Phase 4	Ward 07(Ext)
T186	0.00			Tertiary	348.407	16	Widening	Phase 4	Ward 07(Ext)
T187	0.00			Tertiary	1271.714	16	Widening	Phase 4	Ward 06(Ext)
T197	2.50	Vatia Road	Road_Semipucca	Tertiary	122.473	16	Widening	Phase 4	Ward 02
T198	2.50	Vatia Road	Road_Semipucca	Tertiary	202.710	16	Widening	Phase 4	Ward 02
T228	3.00	Shahid Mujib Road	Road_Pucca	Tertiary	130.774	16	Widening	Phase 4	Ward 03
T256	3.50		Road_Katcha	Tertiary	60.260	16	Widening	Phase 4	Ward 04
T293	0.00			Tertiary	576.550	16	Widening	Phase 4	Extension
T299	2.70	Vatia Road	Road_Semipucca	Tertiary	588.472	16	Widening	Phase 4	Ward 04
T300	2.70	Vatia Road	Road_Semipucca	Tertiary	588.472	16	Widening	Phase 4	Ward 02

Annex - E
Proposed Secondary Drain of Narail Paurashava

Proposed ID	Length (m)	Existing Type	Existing Drain Width(m)	Ward No.	Proposed type	Proposed width(m)	Outfall	Phase No.	Remarks
W4S4b	105.46	Drain_Pucca	0.30	Ward 04	Secondary	2.00	W4S4a	Phase 3	Proposed
W7S2a	128.31	Drain_Pucca	2.00	Ward 07	Secondary	1.50	W7S2b	Phase 1	Proposed
W6S5a	225.04	Drain_Pucca	2.00	Ward 06	Secondary	1.50	W7S2a	Phase 3	Proposed
W3S2a	15.03	Drain_Pucca	0.40	Ward 03	Secondary	2.00	W3S1	Phase 1	Proposed
W3S2b	63.78	Drain_Pucca	0.40	Ward 03	Secondary	2.00	W3S2a	Phase 1	Proposed
W7eS3b	19.20	Drain_Pucca	1.30	Ward_No 07[ext]	Secondary	1.50	W6S5c	Phase 4	Proposed
W6S5c	319.28	Drain_Pucca	1.30	Ward 06	Secondary	1.50	W6S5b	Phase 3	Proposed
W7S2b	229.27	Drain_Pucca	1.00	Ward 07	Secondary	1.50	Chitra River	Phase 1	Proposed
W6S5b	91.59	Drain_Pucca	1.35	Ward 06	Secondary	1.50	W6S5a	Phase 3	Proposed
W4S4c	112.68	Drain_Pucca	2.00	Ward 04	Secondary	2.00	W4S4b	Phase 3	Proposed
W5S1c	78.87	Drain_Katcha	0.40	Ward 05	Secondary	1.50	W5S1b	Phase 1	Proposed
W3S2e	38.22	Drain_Katcha	0.40	Ward 03	Secondary	2.00	W3S2d	Phase 1	Proposed
W3S2f	140.85	Drain_Katcha	0.40	Ward 03	Secondary	2.00	W3S2e	Phase 1	Proposed
W2S8a	82.93	Drain_Katcha	0.40	Ward 03	Secondary	1.50	W3S2f	Phase 4	Proposed
W5S8a	286.99	Drain_Katcha	1.50	Ward 05	Secondary	1.50	W4S14	Phase 4	Proposed
W4S3a	116.19	Drain_Katcha	1.50	Ward 04	Secondary	1.50	W4S1	Phase 2	Proposed
W5S1d	134.50		0.00	Ward 05	Secondary	2.60	W5S1c	Phase 1	Proposed
W3S3	589.61		0.00	Ward 03	Secondary	1.50	W4S3b	Phase 2	Proposed
W5S1a	44.23	Drain_Pucca	0.40	Ward 05	Secondary	2.60	Chitra River	Phase 1	Proposed
W5S1b	570.40	Drain_Pucca	0.40	Ward 05	Secondary	2.60	W5S1a	Phase 1	Proposed
W5S2	759.38		0.00	Ward 05	Secondary	2.60	Waste Water Treatment Plant	Phase 1	Proposed
W2S8b	427.92		0.00	Ward 03	Secondary	1.50	W2S8a	Phase 4	Proposed
W3S2d	109.89	Drain_Katcha	0.40	Ward 03	Secondary	2.00	W3S2c	Phase 1	Proposed
W3S2c	103.52		0.00	Ward 03	Secondary	2.00	W3S2b	Phase 1	Proposed
W1S1	1151.29		0.00	Ward 01	Secondary	1.50	W4S4d	Phase 1	Proposed
W4S4a	303.85		0.00	Ward 04	Secondary	2.00	W4S2	Phase 3	Proposed
W4S1	1238.80		0.00	Ward 04	Secondary	2.00	W5S4	Phase 1	Proposed
W3S4	749.00		0.00	Ward 03	Secondary	1.50	W4S8	Phase 3	Proposed
W3S6	533.96		0.00	Ward 03	Secondary	1.50	W3S4	Phase 4	Proposed
W3S5	509.76		0.00	Ward 03	Secondary	1.50	W3S4	Phase 4	Proposed
W2S5	216.82		0.00	Ward 02	Secondary	1.50	W2S6	Phase 3	Proposed
W2S1	1798.10		0.00	Ward 02	Secondary	1.50	W2S3	Phase 1	Proposed
W4S7	1022.55		0.00	Ward 04	Secondary	1.50	W4S1	Phase 4	Proposed
W5S10	998.74		0.00	Ward 05	Secondary	1.80	W6eS3	Phase 4	Proposed
W6S1a	251.70	Drain_Pucca	0.30	Ward 06	Secondary	1.80	W6S1c	Phase 1	Proposed
W6S1b	18.85	Drain_Pucca	0.30	Ward 06	Secondary	1.50	W6S1a	Phase 1	Proposed
W5S11	1007.29		0.00	Ward 05	Secondary	1.80	W6eS2	Phase 4	Proposed
W6S1c	247.90		0.00	Ward 06	Secondary	1.80	W6S8	Phase 1	Proposed
W5S12	860.73		0.00	Ward 05	Secondary	2.60	Waste Water Treatment Plant	Phase 1	Proposed
W6S7	533.35		0.00	Ward 06	Secondary	1.80	W6S8	Phase 1	Proposed
W7eS2	983.68		0.00	Ward 07(ext)	Secondary	1.50	W7eS3a	Phase 1	Proposed
W7eS4	768.83		0.00	Ward 07(ext)	Secondary	1.50	W6eS4	Phase 3	Proposed
W6S4c	996.68		0.00	Ward 06	Secondary	1.80	W6S4b	Phase 3	Proposed
W6S4b	43.44	Drain_Pucca	0.40	Ward 06	Secondary	1.80	W6S4a	Phase 3	Proposed
W6S4a	201.96		0.00	Ward 06	Secondary	1.80	W6S1a	Phase 3	Proposed
W7eS3a	754.98		0.00	Ward 07(ext)	Secondary	1.50	W7eS4	Phase 4	Proposed

Proposed ID	Length (m)	Existing Type	Existing Drain Width(m)	Ward No.	Proposed type	Proposed width(m)	Outfall	Phase No.	Remarks
W6eS1	388.99		0.00	Ward 06(ext)	Secondary	1.50	W6eS2	Phase 1	Proposed
W7eS1b	238.63		0.00	Ward 07(ext)	Secondary	1.50	W7eS1b	Phase 1	Proposed
W7S3	820.16		0.00	Ward 07	Secondary	1.50	W7eS5	Phase 2	Proposed
W5S13	656.66		0.00	Ward 05	Secondary	1.80	W5S12	Phase 4	Proposed
W9S1	2111.45		0.00	Ward 09	Secondary	1.50	W7S5	Phase 1	Proposed
W5S6	360.89		0.00	Ward 05	Secondary	1.80	W5S2	Phase 4	Proposed
W4S2	507.97		0.00	Ward 04	Secondary	2.00	W5S5	Phase 1	Proposed
W1S3	805.41		0.00	Ward 01	Secondary	1.50	W1S2	Phase 2	Proposed
W2S7	976.10		0.00	Ward 02	Secondary	1.50	W4S9b	Phase 4	Proposed
W2S2	1178.71		0.00	Ward 02	Secondary	1.50	W2S1	Phase 1	Proposed
W1S5	317.07		0.00	Ward 01	Secondary	1.50	W1S3	Phase 3	Proposed
W4S5	1959.90		0.00	Ward 04	Secondary	1.50	W4S4b	Phase 4	Proposed
W4S10	564.02		0.00	Ward 04	Secondary	1.50	W5S8b	Phase 4	Proposed
W4S14	80.47	Drain_Katcha	1.50	Ward 04	Secondary	1.50	W4S2	Phase 4	Proposed
W5S7	1111.01		0.00	Ward 05	Secondary	1.80	W5S13	Phase 4	Proposed
W4S13	1207.99		0.00	Ward 04	Secondary	1.50	W4S10	Phase 4	Proposed
W9S2	1165.36		0.00	Ward 09	Secondary	1.50	W9S1	Phase 1	Proposed
W9S4	2113.75		0.00	Ward 09	Secondary	1.50	W8S4	Phase 3	Proposed
W8S1	694.71		0.00	Ward 08	Secondary	1.50	W8S3	Phase 1	Proposed
W8S2	1034.68		0.00	Ward 08	Secondary	1.50	W8S3	Phase 1	Proposed
W8S5	949.21		0.00	Ward 08	Secondary	1.50	W8S2	Phase 3	Proposed
W8S6	1002.99		0.00	Ward 08	Secondary	1.50	W8S5	Phase 4	Proposed
W8S3	2396.79		0.00	Ward 08	Secondary	1.50	W9S6	Phase 2	Proposed
W9S5	831.09		0.00	Ward 09	Secondary	1.50	W9S1	Phase 3	Proposed
W7S4	792.86		0.00	Ward 07	Secondary	1.50	W7S5	Phase 3	Proposed
W9S3	533.04		0.00	Ward 09	Secondary	1.50	W9S2	Phase 2	Proposed
W1eS1	1365.25		0.00	Ward 01(Ext)	Secondary	1.50	W1eS4	Phase 1	Proposed
W1eS2	819.64		0.00	Ward 01(Ext)	Secondary	1.50	W1eS1	Phase 1	Proposed
W1eS3	896.72		0.00	Ward 01(Ext)	Secondary	1.50	W1eS1	Phase 2	Proposed
W1S4	330.85		0.00	Ward 01	Secondary	1.50	W4S4d	Phase 3	Proposed
W1eS4	277.10		0.00	Ward 01(Ext)	Secondary	1.50	W1S5	Phase 3	Proposed
W1eS5	141.11		0.00	Ward 01(Ext)	Secondary	1.50	W1S1	Phase 3	Proposed
W4S4d	353.73		0.00	Ward 04	Secondary	2.00	W4S4c	Phase 3	Proposed
W1S2	802.68		0.00	Ward 01	Secondary	1.50	W4S1	Phase 1	Proposed
W4S9b	460.03		0.00	Ward 04	Secondary	1.50	W4S9a	Phase 4	Proposed
W5S8b	70.75		0.00	Ward 05	Secondary	1.50	W5S8a	Phase 4	Proposed
W5S5	383.81		0.00	Ward 05	Secondary	2.00	W5S2	Phase 3	Proposed
W5S4	370.46		0.00	Ward 05	Secondary	2.00	W5S2	Phase 3	Proposed
W5S3	296.84		0.00	Ward 05	Secondary	1.80	W6S7	Phase 2	Proposed
W5S9	111.41		0.00	Ward 05	Secondary	1.50	W5S11	Phase 4	Proposed
W6S8	217.86		0.00	Ward 06	Secondary	2.60	W5S12	Phase 4	Proposed
W6S3	836.55		0.00	Ward 06	Secondary	1.80	W6S1c	Phase 2	Proposed
W6S6	195.41		0.00	Ward 06	Secondary	1.80	W6S8	Phase 4	Proposed
W6S2	192.91		0.00	Ward 06	Secondary	1.80	W6S8	Phase 1	Proposed
W6eS2	78.15		0.00	Ward 06(ext)	Secondary	1.80	W6S6	Phase 1	Proposed
W6eS3	81.03		0.00	Ward 06(ext)	Secondary	1.80	W6S2	Phase 2	Proposed
W6eS4	239.70		0.00	Ward 06(ext)	Secondary	1.50	W5S9	Phase 3	Proposed
W7eS1b	309.03		0.00	Ward 07(ext)	Secondary	1.50	W6eS1	Phase 1	Proposed
W7eS5	112.76		0.00	Ward 07(ext)	Secondary	1.50	W7eS2	Phase 3	Proposed
W7S1a	736.90		0.00	Ward 07	Secondary	1.50	W6S4c	Phase 1	Proposed
W7S5	344.42		0.00	Ward 07	Secondary	1.50	W7S2b	Phase 3	Proposed

Proposed ID	Length (m)	Existing Type	Existing Drain Width(m)	Ward No.	Proposed type	Proposed width(m)	Outfall	Phase No.	Remarks
W7S1b	62.14		0.00	Ward 07	Secondary	1.50	W7S1a	Phase 1	Proposed
W9S6	255.63		0.00	Ward 09	Secondary	1.50	W9S4	Phase 4	Proposed
W8S4	549.03		0.00	Ward 08	Secondary	1.50	W7S1b	Phase 3	Proposed
W2S3	583.12		0.00	Ward 02	Secondary	1.50	W4S7	Phase 2	Proposed
W2S4	72.83		0.00	Ward 02	Secondary	1.50	W2S5	Phase 3	Proposed
W2S6	201.07		0.00	Ward 02	Secondary	1.50	W2S8b	Phase 4	Proposed
W3S1	311.03		0.00	Ward 03	Secondary	2.00	W4S6	Phase 1	Proposed
W4S3b	380.69		0.00	Ward 04	Secondary	1.50	W4S3a	Phase 2	Proposed
W4S8	272.74		0.00	Ward 04	Secondary	1.50	W4S1	Phase 4	Proposed
W4S6	716.70		0.00	Ward 04	Secondary	2.00	W5S2	Phase 4	Proposed
W4S11	1087.00		0.00	Ward 04	Secondary	1.50	W5S7	Phase 4	Proposed
W4S12	155.11		0.00	Ward 04	Secondary	1.50	W3S6	Phase 4	Proposed
W4S9a	192.65		0.00	Ward 04	Secondary	1.50	W3S5	Phase 4	Proposed

Annex – F

Proposed Tertiary Drain in Narail Paurashava

Proposed ID	Length (m)	Existing Type	Existing Drain Width(m)	Ward No	Proposed type	Proposed width(m)	Outfall	Phase No	Remarks
W9Ex1	201.25	Drain_Pucca	0.50	Ward_No 09	Tertiary	0.75			Existing
W4Ex1	224.49	Drain_Pucca	0.35	Ward_No 04	Tertiary	0.75			Existing
W3Ex1	81.84	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.75			Existing
W3Ex2	77.78	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.75			Existing
W3Ex3	64.65	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.75			Existing
W3Ex4	169.94	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.75			Existing
W3Ex5	134.43	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.75			Existing
W3Ex6	51.28	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.75			Existing
W3Ex7	22.51	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.75			Existing
W5Ex1	350.53	Drain_Pucca	0.30	Ward_No 05	Tertiary	0.75			Existing
W6Ex7	88.92	Drain_Pucca	0.30	Ward_No 06	Tertiary	0.75			Existing
W5Ex2	49.78	Drain_Pucca	0.30	Ward_No 05	Tertiary	0.75			Existing
W6Ex8	158.52	Drain_Pucca	0.30	Ward_No 06	Tertiary	0.75			Existing
W6Ex9	115.03	Drain_Pucca	0.30	Ward_No 06	Tertiary	0.75			Existing
W6Ex10	247.24	Drain_Pucca	0.50	Ward_No 06	Tertiary	0.75			Existing
W6Ex11	166.03	Drain_Pucca	0.40	Ward_No 06	Tertiary	0.75			Existing
W3Ex8	2.45	Drain_Pucca	0.40	Ward_No 03	Tertiary	0.75			Existing
W4Ex2	57.63	Drain_Pucca	0.40	Ward_No 04	Tertiary	0.75			Existing
W5Ex3	96.22	Drain_Pucca	0.30	Ward_No 05	Tertiary	0.75			Existing
W4Ex3	207.69	Drain_Pucca	0.30	Ward_No 04	Tertiary	0.75			Existing
W4Ex4	287.50	Drain_Pucca	1.00	Ward_No 04	Tertiary	0.90			Existing
W3Ex9	36.63	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.90			Existing
W4Ex5	120.32	Drain_Pucca	0.25	Ward_No 04	Tertiary	0.90			Existing
W4Ex6	84.97	Drain_Pucca	0.30	Ward_No 04	Tertiary	0.90			Existing
W3Ex10	40.43	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.90			Existing
W4Ex7	41.67	Drain_Pucca	0.25	Ward_No 04	Tertiary	0.90			Existing
W3Ex11	112.60	Drain_Pucca	0.40	Ward_No 03	Tertiary	0.90			Existing
W4Ex8	143.43	Drain_Pucca	0.40	Ward_No 04	Tertiary	0.90			Existing
W3Ex12	255.67	Drain_Pucca	0.80	Ward_No 03	Tertiary	0.90			Existing
W3Ex13	228.11	Drain_Pucca	1.60	Ward_No 03	Tertiary	1.60			Existing
W3Ex14	102.69	Drain_Pucca	0.50	Ward_No 03	Tertiary	0.90			Existing
W4Ex9	197.64	Drain_Pucca	0.30	Ward_No 04	Tertiary	0.90			Existing
W6Ex12	101.93	Drain_Pucca	0.30	Ward_No 06	Tertiary	0.90			Existing

Proposed ID	Length (m)	Existing Type	Existing Drain Width(m)	Ward No	Proposed type	Proposed width(m)	Outfall	Phase No	Remarks
W5Ex4	33.21	Drain_Pucca	0.30	Ward_No 05	Tertiary	0.90			Existing
W6Ex13	94.77	Drain_Pucca	0.40	Ward_No 06	Tertiary	0.90			Existing
W6Ex14	77.23	Drain_Pucca	0.30	Ward_No 06	Tertiary	0.90			Existing
W6Ex15	11.15	Drain_Pucca	0.30	Ward_No 06	Tertiary	0.90			Existing
W3Ex15	60.03	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.90			Existing
W3Ex16	108.22	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.90			Existing
W3Ex17	184.20	Drain_Pucca	0.40	Ward_No 03	Tertiary	0.90			Existing
W4Ex10	105.55	Drain_Pucca	0.25	Ward_No 04	Tertiary	0.90			Existing
W3Ex18	63.41	Drain_Pucca	0.25	Ward_No 03	Tertiary	0.90			Existing
W3Ex19	18.05	Drain_Pucca	0.40	Ward_No 03	Tertiary	0.90			Existing
W4Ex11	54.89	Drain_Pucca	0.25	Ward_No 04	Tertiary	0.90			Existing
W4Ex12	34.52	Drain_Pucca	0.25	Ward_No 04	Tertiary	0.90			Existing
W4Ex13	141.58	Drain_Pucca	0.25	Ward_No 04	Tertiary	0.90			Existing
W5Ex5	218.00	Drain_Pucca	0.30	Ward_No 05	Tertiary	0.90			Existing
W5Ex6	52.71	Drain_Pucca	0.30	Ward_No 05	Tertiary	0.90			Existing
W6Ex16	46.67	Drain_Pucca	0.40	Ward_No 06	Tertiary	0.90			Existing
W6Ex17	20.30	Drain_Pucca	0.30	Ward_No 06	Tertiary	0.90			Existing
W8Ex1	241.23	Drain_Katcha	1.00	Ward_No 08	Tertiary	0.90			Existing
W9Ex2	366.24	Drain_Katcha	0.50	Ward_No 09	Tertiary	0.90			Existing
W6Ex18	14.81	Drain_Katcha	0.30	Ward_No 06	Tertiary	0.90			Existing
W3Ex20	97.57	Drain_Katcha	0.40	Ward_No 03	Tertiary	0.90			Existing
W3Ex21	220.28	Drain_Katcha	0.40	Ward_No 03	Tertiary	0.90			Existing
W3Ex22	0.01	Drain_Katcha	0.30	Ward_No 03	Tertiary	0.90			Existing
W3Ex23	146.33	Drain_Katcha	0.40	Ward_No 03	Tertiary	0.90			Existing
W3Ex24	45.60	Drain_Katcha	0.30	Ward_No 03	Tertiary	0.90			Existing
W3Ex25	139.04	Drain_Katcha	0.30	Ward_No 03	Tertiary	0.90			Existing
W3Ex26	113.34	Drain_Katcha	0.40	Ward_No 03	Tertiary	0.90			Existing
W4Ex14	75.05	Drain_Pucca	0.30	Ward_No 04	Tertiary	0.90			Existing
W6Ex19	201.39	Drain_Pucca	0.40	Ward_No 06	Tertiary	0.90			Existing
W2t5	1104.81		0.00	Ward 02	Tertiary	1.00	W2S2	Phase 1	Proposed
W2t6	607.01		0.00	Ward 02	Tertiary	1.00	W2S7	Phase 4	Proposed
W2t7	439.67		0.00	Ward 01	Tertiary	1.00	W2S7	Phase 4	Proposed
W2t8	273.87		0.00	Ward 02	Tertiary	1.00	W2T7	Phase 4	Proposed
W2t4	585.74		0.00	Ward 02	Tertiary	1.00	W2S1	Phase 1	Proposed
W2t2	538.13		0.00	Ward 02	Tertiary	1.00	W2S1	Phase 1	Proposed
W2t1	201.83		0.00	Ward 02	Tertiary	1.00	W2S1	Phase 1	Proposed
W2t3	216.58		0.00	Ward 02	Tertiary	1.00	W2t3	Phase 1	Proposed
W3t10	342.24		0.00	Ward 03	Tertiary	1.00	W2S8b	Phase 3	Proposed
W3t4	313.05		0.00	Ward 03	Tertiary	1.00	W3S2f	Phase 1	Proposed
W3t1	269.58		0.00	Ward 03	Tertiary	1.00	W3Ex13	Phase 1	Proposed
W3t2	148.26		0.00	Ward 03	Tertiary	1.00	W3Ex12	Phase 1	Proposed
W3t11	131.58		0.00	Ward 03	Tertiary	1.00	W3Ex13	Phase 1	Proposed
W4t2	498.43		0.00	Ward 04	Tertiary	1.00	W4S6	Phase 4	Proposed
W4t14	174.96		0.00	Ward 04	Tertiary	1.00	W4t2	Phase 4	Proposed
W4t1	127.18		0.00	Ward 04	Tertiary	1.00	W4t14	Phase 1	Proposed
W4t3	231.91		0.00	Ward 04	Tertiary	1.00	W4S6	Phase 4	Proposed
W5t12	247.97		0.00	Ward 04	Tertiary	1.00	W4Ex3	Phase 2	Proposed
W5t11	49.85		0.00	Ward 05	Tertiary	1.00	W5t12	Phase 3	Proposed
W5t10	126.47		0.00	Ward 04	Tertiary	1.00	W4Ex3	Phase 2	Proposed
W5t12	160.25		0.00	Ward 05	Tertiary	1.00	W5S3	Phase 2	Proposed
W5t1	355.35		0.00	Ward 05	Tertiary	1.00	W5S1b	Phase 1	Proposed
W5t9	117.63		0.00	Ward 05	Tertiary	1.00	W5S3	Phase 2	Proposed

Proposed ID	Length (m)	Existing Type	Existing Drain Width(m)	Ward No	Proposed type	Proposed width(m)	Outfall	Phase No	Remarks
W6t1	382.83		0.00	Ward 06	Tertiary	1.00	W6S7	Phase 1	Proposed
W6t3	181.72		0.00	Ward 06	Tertiary	1.00	W6S8	Phase 1	Proposed
W6t9	562.26		0.00	Ward 06	Tertiary	1.00	W6S6	Phase 4	Proposed
W7et5	455.50		0.00	Ward 06	Tertiary	1.00	W7eS1b	Phase 1	Proposed
W7et7	258.48		0.00	Ward 06	Tertiary	1.00	W6t9	Phase 4	Proposed
W6t6	433.73		0.00	Ward 06	Tertiary	1.00	W6S4c	Phase 3	Proposed
W6t7	380.64		0.00	Ward 06	Tertiary	1.00	W6S4c	Phase 3	Proposed
W6t8	420.01		0.00	Ward 06	Tertiary	1.00	W6S5a	Phase 3	Proposed
W7t1	512.61		0.00	Ward 07	Tertiary	1.00	W7eS5	Phase 3	Proposed
W7et2	699.76		0.00	Ward 07(Ext)	Tertiary	1.00	W7eS4	Phase 3	Proposed
W8t8	525.51		0.00	Ward 07	Tertiary	1.00	W7S3	Phase 3	Proposed
W7et6	332.01		0.00	Ward 07(Ext)	Tertiary	1.00	W7eS4	Phase 2	Proposed
W6et7	321.29		0.00	Ward 06(Ext)	Tertiary	1.00	W6eS4	Phase 3	Proposed
W5t5	460.81		0.00	Ward 05	Tertiary	1.00	W5S2	Phase 1	Proposed
W4t7	260.42		0.00	Ward 04	Tertiary	1.00	W4S3b	Phase 2	Proposed
W3t6	307.81		0.00	Ward 03	Tertiary	1.00	W3t5	Phase 4	Proposed
W5t13	427.15		0.00	Ward 04	Tertiary	1.00	W4S6	Phase 4	Proposed
W4t5	441.50		0.00	Ward 04	Tertiary	1.00	W4t2	Phase 4	Proposed
W3t3	269.47		0.00	Ward 03	Tertiary	1.00	W3S2f	Phase 1	Proposed
W3t5	230.41		0.00	Ward 03	Tertiary	1.00	W3S2d	Phase 2	Proposed
W4t6	252.74		0.00	Ward 04	Tertiary	1.00	W5S4	Phase 3	Proposed
W1t6	742.23		0.00	Ward 01	Tertiary	1.00	W1t6	Phase 1	Proposed
W4t11	485.57		0.00	Ward 04	Tertiary	1.00	W4S4d	Phase 3	Proposed
W8t1	785.82		0.00	Ward 08	Tertiary	1.00	W9S6	Phase 4	Proposed
W8t2	661.68		0.00	Ward 08	Tertiary	1.00	W8S1	Phase 1	Proposed
W1t2	556.30		0.00	Ward 01	Tertiary	1.00	W1S3	Phase 1	Proposed
W1t8	632.16		0.00	Ward 01	Tertiary	1.00	W1S3	Phase 2	Proposed
W3t9	265.15		0.00	Ward 03	Tertiary	1.00	W3S3	Phase 2	Proposed
W3t7	308.37		0.00	Ward 03	Tertiary	1.00	W3S3	Phase 2	Proposed
W3t8	194.18		0.00	Ward 03	Tertiary	1.00	W3S3	Phase 2	Proposed
W6t2	301.25		0.00	Ward 05	Tertiary	1.00	W5S12	Phase 1	Proposed
W6t5	362.30		0.00	Ward 06	Tertiary	1.00	W6S4c	Phase 3	Proposed
W8t4	692.85		0.00	Ward 08	Tertiary	1.00	W8S2	Phase 1	Proposed
W8t3	676.14		0.00	Ward 08	Tertiary	1.00	W8S2	Phase 4	Proposed
W8t7	783.61		0.00	Ward 08	Tertiary	1.00	W9S4	Phase 3	Proposed
W9t3	317.56		0.00	Ward 09	Tertiary	1.00	W9S1	Phase 1	Proposed
W9t2	346.87		0.00	Ward 09	Tertiary	1.30	W9S1	Phase 1	Proposed
W6et6	376.72		0.00	Ward 06(Ext)	Tertiary	1.30	W6et5	Phase 4	Proposed
W6et5	417.03		0.00	Ward 06(Ext)	Tertiary	1.30	W6eS4	Phase 3	Proposed
W6et2	347.35		0.00	Ward 05	Tertiary	1.30	W6eS1	Phase 4	Proposed
W5t6	369.45		0.00	Ward 05	Tertiary	1.30	W5S5	Phase 3	Proposed
W5t4	362.33		0.00	Ward 05	Tertiary	1.30	W5S12	Phase 1	Proposed
W1t3	274.66		0.00	Ward 01	Tertiary	1.30	W1S1	Phase 1	Proposed
W1t4	248.74		0.00	Ward 01	Tertiary	1.30	W1S4	Phase 3	Proposed
W1t7	202.55		0.00	Ward 01	Tertiary	1.30	W1S1	Phase 1	Proposed
W1et5	654.69		0.00	Ward 01(Ext)	Tertiary	1.30	W1eS2	Phase 1	Proposed
W1et1	422.77		0.00	Ward 01(Ext)	Tertiary	1.30	W1eS3	Phase 2	Proposed
W1et2	202.61		0.00	Ward 01(Ext)	Tertiary	1.30	W1et1	Phase 3	Proposed
W1et3	218.47		0.00	Ward 01(Ext)	Tertiary	1.30	W1eS3	Phase 2	Proposed
W1et4	449.09		0.00	Ward 01(Ext)	Tertiary	1.30	W1eS3	Phase 1	Proposed
W1t9	326.75		0.00	Ward 01	Tertiary	1.30	Canal	Phase 2	Proposed
W1t10	527.83		0.00	Ward 01	Tertiary	1.30	W1t8	Phase 3	Proposed

Proposed ID	Length (m)	Existing Type	Existing Drain Width(m)	Ward No	Proposed type	Proposed width(m)	Outfall	Phase No	Remarks
W6et4	207.05		0.00	Ward 06	Tertiary	1.30	W6eS1	Phase 1	Proposed
W6et1	278.38		0.00	Ward 06	Tertiary	1.30	W6eS1	Phase 1	Proposed
W6et3	238.05		0.00	Ward 06(Ext)	Tertiary	1.30	W6eS1	Phase 1	Proposed
W9t6	655.72		0.00	Ward 07	Tertiary	1.30	W9S1	Phase 1	Proposed
W9t1	506.92		0.00	Ward 09	Tertiary	1.30	W9S1	Phase 1	Proposed
W9t12	463.59		0.00	Ward 09	Tertiary	1.30	W9S2	Phase 2	Proposed
W9t13	182.71		0.00	Ward 09	Tertiary	1.30	W9S2	Phase 1	Proposed
W8t6	504.00		0.00	Ward 08	Tertiary	1.30	W8S1	Phase 1	Proposed
W9t5	203.35		0.00	Ward 09	Tertiary	1.30	W9S5	Phase 1	Proposed
W9t11	202.25		0.00	Ward 09	Tertiary	1.30	W9S1	Phase 1	Proposed
W9t10	122.47		0.00	Ward 09	Tertiary	1.30	W9S1	Phase 1	Proposed
W9t9	111.46		0.00	Ward 09	Tertiary	1.30	W9S1	Phase 1	Proposed
W9t8	72.47		0.00	Ward 09	Tertiary	1.30	W9S1	Phase 1	Proposed
W9t7	272.19		0.00	Ward 09	Tertiary	1.30	W9S1	Phase 1	Proposed
W7t6	146.40		0.00	Ward 07	Tertiary	1.30	W7S3	Phase 2	Proposed
W7et1	442.23		0.00	Ward 07	Tertiary	1.30	W7eS2	Phase 1	Proposed
W7et3	237.85		0.00	Ward 07(Ext)	Tertiary	1.30	W7eS2	Phase 1	Proposed
W7et4	186.63		0.00	Ward 07(Ext)	Tertiary	1.30	W7eS2	Phase 1	Proposed
W6t4	253.09		0.00	Ward 05	Tertiary	1.30	W6S2	Phase 1	Proposed
W4t8	235.70		0.00	Ward 03	Tertiary	1.30	W4S8	Phase 4	Proposed
W4t10	169.75		0.00	Ward 04	Tertiary	1.30	W4S4d	Phase 1	Proposed
W4t13	340.33		0.00	Ward 04	Tertiary	1.30	W4S4d	Phase 3	Proposed
W1t1	303.83		0.00	Ward 01	Tertiary	1.30	W1S1	Phase 1	Proposed
W4t9	212.97		0.00	Ward 04	Tertiary	1.30	W4S4a	Phase 3	Proposed
W1t5	172.32		0.00	Ward 01	Tertiary	0.63	W1t6	Phase 2	Proposed
W1t11	196.52		0.00	Ward 01	Tertiary	0.63	W1t9	Phase 2	Proposed
W4t4	301.31		0.00	Ward 03	Tertiary	0.63	W4S6	Phase 4	Proposed
W4t12	294.07		0.00	Ward 04	Tertiary	0.63	W4S5	Phase 4	Proposed
W5t2	248.82		0.00	Ward 05	Tertiary	0.63	W5S1b	Phase 1	Proposed
W5t3	250.33		0.00		Tertiary	0.63	W5S6	Phase 1	Proposed
W5t7	443.49		0.00	Ward 05	Tertiary	0.63	W5t8	Phase 2	Proposed
W5t8	278.99		0.00	Ward 05	Tertiary	0.63	W5Ex4	Phase 2	Proposed
W6t10	182.98		0.00	Ward 06	Tertiary	0.63	W6t9	Phase 4	Proposed
W7t4	321.62		0.00		Tertiary	0.63	W7S2b	Phase 3	Proposed
W7t3	146.19		0.00	Ward 07	Tertiary	0.63	W7S2a	Phase 3	Proposed
W7t2	205.50		0.00	Ward 07	Tertiary	0.63	W7S1a	Phase 1	Proposed
W9t4	249.28		0.00	Ward 09	Tertiary	0.63	W9S1	Phase 1	Proposed
W7t5	210.58		0.00	Ward 07	Tertiary	0.63	W8S4	Phase 1	Proposed
W8t5	382.72		0.00		Tertiary	0.63	W8S6	Phase 4	Proposed