Detailed Estimate
Local Government Engineering Department

Package Summary

Package Code : RUTDP/BEN/24-25/W-01

District : JASHORE

Part No	Scheme Code/ Scheme Name	Estimated Amount
(1)	(24190-24-10001) Part:1 (Drain) A) Re-habilitation of Poura Bhaban road by BC with streetlight and drain with footpath(ch.0+000 to 2+400m) Under Benapole pourashava ,sarsha ,jashore .	21,563,609.13
(2)	(24190-24-10002) Part:1 (Drain) B) Re-habilitation of Doulatpur road by BC with streetlight and drain with footpath (Ch.0+00 to 1270m) with Doulatpur choto Achra link road from ch 0.00-1226.00m Under Benapole pourashava ,sarsha ,jashore .	69,043,688.93
(3)	(24190-24-10004) Part: 2 (Road) B) Re-habilitation of Doulatpur road by BC with streetlightand drain with footpath (Ch.0+00 to 1270m) with Doulatpur choto Achra link road from ch 0.00-1226.00mUnder Benapole pourashava ,sarsha ,jashore .	21,841,108.81
(4)	(24190-24-10007) Part: 2 (Road) A) Re-habilitation of Poura Bhaban road by BC with streetlight and drain with footpath(ch.0+000 to 2+400m) Under Benapole pourashava ,sarsha ,jashore .	22,325,304.91
(5)	(24190-24-10009) Street Light Improvement of Doulatpur road by BC with streetlight and drain with footpath (0+000m to 1+270m.), with Doulatpur Choto Achra link road (Ch. 0+000m to 1+226m)	3,662,644.00
(6)	(24190-24-10010) Environmental Management (i) Re-habilitation of Poura Bhaban road by BC with streetlight and drain with footpath(ch.0+000 to 2+400m) Under Benapole pourashava ,sarsha ,jashore . (ii)Improvement of Doulatpur road by BC with streetlight and drain with footpath (0+000m to 1+270m.), with Doulatpur Choto Achra link road (Ch. 0+000m to 1+226m)	740,000.00
	Package Total :	139,176,355.78

Part : 1

Scheme Code : 24190-24-10001
Road Code :
Financial Year : 2023-2024
Name of the Scheme : Part:1 (Drain)
A) Re-habilitation of Poura Bhaban road by BC with streetlight and drain with footpath(ch.0+000 to 2+400m) Under Benapole pourashava ,sarsha ,jashore .

Scheme Preparation Date : 04-Sep-2023
FY & Type of Rate : 2022-2023 [Feb-23] (General)
District : JASHORE
Upazila : SARSHA

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	4.05.01.01.01	Earth work in excavation of foundation of structures by mechanical (Hydraulic excavator - Long Boom)/ manual means in all sorts of soil up to specified depth in accordance with requirements of lines, grades, cross sections and elevation as shown in the drawing including setting out, removal of stumps, logs, boulders and other deleterious materials, providing necessary tools and plants, construction of shoring and bracing, cleaning the excavated materials to a safe distance out of the site premises, cut to a firm surface including pumping/ bailing out water, removal of spoils to a safe distance, dressing of sides and bottom and backfilling of trenches up to original level with approved material etc. all complete as per approval of E-I-C. Contractor shall get acquainted with site conditions, nature of soil and adopt suitable adequate dewatering system as deemed fit for the nature of soil and prevailing water table to get the surface reasonably dry for laying PCC at the time of execution so that execution will not be hampered or delayed. Back-filled materials shall be compacted to a density comparable with the adjacent undisturbed material. Earth work in Ordinary Soil by Manual Means for an initial lead up to 30m For depth up to 3m	cum	Ch 1500-1650	150.000	1.600	1.105	265.200	1.00	265.200		
				Ch 1650-1700	50.000	1.650	1.575	129.938	1.00	129.938		
				Ch 1700-1750	50.000	1.650	1.800	148.500	1.00	148.500		
				Ch 1750-2050	300.000	1.600	1.540	739.200	1.00	739.200		
				Ch 2050-2100	50.000	1.600	1.510	120.800	1.00	120.800		
				Ch 2100-2350	250.000	1.600	1.505	602.000	1.00	602.000		
				Ch 2350-2400	50.000	1.650	1.710	141.075	1.00	141.075		
				outfall	5.000	3.300	2.950	48.675	1.00	48.675		
				X-Drain (Ch-35.00m)	8.000	1.700	1.625	22.100	1.00	22.100		
										2217.488	**203.99**	**452345.38**
2.	4.05.03	P&B: Pumping and bailing out water from the interior of any foundation enclosure of work site with all leads and lifts including supply, operation and maintenance of requisite number of water pumps, arrangements for protection of ring bundh and side slopes of foundation pit against erosion or washout etc. It should be carried out in such a manner as to preclude the possibility of the movement of water through or alongside any concrete being placed, etc. all complete as per direction of E-I-C. [PWD 2.2]	hour					100.000	1.00	100.000		
										100.000	**458.00**	**45800.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
3.	5.02.08.1	Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge. [PWD 02.10.1]	cum	Ch 1500-1650	150.000	1.300	0.150	29.250	1.00	29.250		
				Ch 1650-1700	50.000	1.350	0.150	10.125	1.00	10.125		
				Ch 1700-1750	50.000	1.350	0.150	10.125	1.00	10.125		
				Ch 1750-2050	300.000	1.300	0.150	58.500	1.00	58.500		
				Ch 2050-2100	50.000	1.300	0.150	9.750	1.00	9.750		
				Ch 2100-2350	250.000	1.300	0.150	48.750	1.00	48.750		
				Ch 2350-2400	50.000	1.350	0.150	10.125	1.00	10.125		
				outfall	5.000	3.000	0.150	2.250	1.00	2.250		
				x-Drain	8.000	1.400	0.150	1.680	1.00	1.680		
										180.555	**1069.00**	**193013.30**
4.	3.07.1	PS: Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or any where below cement concrete complete in all respect and accepted by Engineer-in-charge.	sqm	Ch 1500-1650	150.000	1.300		195.000	1.00	195.000		
				Ch 1650-1700	50.000	1.350		67.500	1.00	67.500		
				Ch 1700-1750	50.000	1.350		67.500	1.00	67.500		
				Ch 1750-2050	300.000	1.300		390.000	1.00	390.000		
				Ch 2050-2100	50.000	1.300		65.000	1.00	65.000		
				Ch 2100-2350	250.000	1.300		325.000	1.00	325.000		
				Ch 2350-2400	50.000	1.350		67.500	1.00	67.500		
				outfall	5.000	3.000		15.000	1.00	15.000		
				X-Drain	8.000	1.400		11.200	1.00	11.200		
										1203.700	**46.07**	**55454.46**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
5.	4.06.03	PCC-10: Plain cement concrete work in foundation with minimum compressive strength of 10 MPa at 28 days (sugessted mix proportion 1:3:6) on standard cylinder as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEM-II/A-L/M/V/W 42.5N, sand of minimum FM 1.8 and 20mm down well graded 1st class/ picked brick chips (LAA value not exceeding 40) comforming to ASTM C 33 including breaking bricks into chips, shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period etc. all complete as per direction of the E-I-C. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost.	cum	Ch 1500-1650	150.000	1.300	0.075	14.625	1.00	14.625		
				Ch 1650-1700	50.000	1.350	0.075	5.063	1.00	5.063		
				Ch 1700-1750	50.000	1.350	0.075	5.063	1.00	5.063		
				Ch 1750-2050	300.000	1.300	0.075	29.250	1.00	29.250		
				Ch 2050-2100	50.000	1.300	0.075	4.875	1.00	4.875		
				Ch 2100-2350	250.000	1.300	0.075	24.375	1.00	24.375		
				Ch 2350-2400	50.000	1.350	0.075	5.063	1.00	5.063		
				outfall	5.000	3.000	0.075	1.125	1.00	1.125		
				Road side c.c	900.000	0.150	0.075	10.125	1.00	10.125		
				X-Drain	8.000	1.400	0.075	0.840	1.00	0.840		
										100.404	**10163.41**	**1020447.02**

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1	2	3	4	5	6	7	8	9	10	11	12	13
6.	4.11.01.02.02	Supplying and fabrication of Ribbed or deformed bar reinforcement for all types of RCC work including straightening, removing ruts, cleaning, cutting, hooking, bending, lapping and/or welding wherever required as directed, placing in position, tieing with 22 BWG black annealed binding wire (PVC coated in case of FBEC rebar) double fold, cost of binding wire and anchoring to the adjoining members wherever necessary, supplying and placing with proper cover blocks (1:1), supports, chairs, spacers, splices or laps etc. including cost of all materials, cost of labour, cost of equipment & machinery, loading and unloading, transportation, all other incidental charges and work at all leads and lifts etc. to complete the work as per design, drawing, specifications and direction of the E-I-C. Measurement relating to nominal mass, dimensions and tolerances of various types of steel shall conform to relevant BDS/ ASTM codes. Reinforcement shall be measured only in lengths of bar as actually placed in position on standard weight i.e. 7850 kg/m3 (BNBC Table 6.2.1) basis. No separate payment shall be allowed for chairs of any shape & profile, spacer bar of any shape & profile, lap/splice & welding unless otherwise shown in the drawing, wastages, binding wire etc. as the cost of these is included in the unit rate. Note: Tests for reinforcing bars shall be conducted at LGED/ BUET/ CUET/ KUET/ RUET/SUST. Grade B400C-R/ B400CWR/ 400DWR: Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2016 with minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 17% and 8% respectively. Using bulk rate of reinforcing bar	kg	ch. 1500-1650m				0.000	1.00	0.000		
				10mm@150c/c	2.930	0.617	334.000	603.809	1.00	603.809		
				10mm@200c/c	50.000	0.617	16.000	493.600	1.00	493.600		
				10mm@150c/c	1.300	0.617	21.000	16.844	13.00	218.972		
				10mm@200c/c	3.000	0.617	7.000	12.957	13.00	168.441		
				Lifting slab bottom	1.300	0.888	4.000	4.618	38.00	175.484		
				" top	1.300	0.617	3.000	2.406	38.00	91.428		
				" ring	0.900	0.395	7.000	2.489	38.00	94.582		
				Ch 1650-1700m				0.000	1.00	0.000		
				10mm@250c/c	3.920	0.617	201.000	486.147	1.00	486.147		
				12mm@250c/c	1.350	0.888	201.000	240.959	2.00	481.918		
				10mm@200c/c	50.000	0.617	21.000	647.850	1.00	647.850		
				10mm@250c/c	1.500	0.617	201.000	186.026	2.00	372.052		
				10mm@200c/c	50.000	0.617	8.000	246.800	2.00	493.600		
				10mm@250c/c	1.400	0.617	201.000	173.624	1.00	173.624		
				10mm@200c/c	50.000	0.617	7.000	215.950	1.00	215.950		
				10mm@150c/c	1.400	0.617	21.000	18.140	13.00	235.820		
				10mm@200c/c	3.000	0.617	7.000	12.957	13.00	168.441		
				Lifting slab bottom	1.300	0.888	4.000	4.618	38.00	175.484		
				" top	1.300	0.617	3.000	2.406	38.00	91.428		
				" ring	0.900	0.395	7.000	2.489	38.00	94.582		
				Ch 1700-1750m				0.000	1.00	0.000		
				10mm@250c/c	4.650	0.617	201.000	576.679	1.00	576.679		
				12mm@200c/c	1.350	0.888	201.000	240.959	2.00	481.918		
				10mm@200c/c	50.000	0.617	24.000	740.400	1.00	740.400		
				10mm@250c/c	1.750	0.617	201.000	217.030	2.00	434.060		
				10mm@200c/c	50.000	0.617	9.000	277.650	2.00	555.300		
				10mm@250c/c	1.400	0.617	201.000	173.624	1.00	173.624		
				10mm@200c/c	50.000	0.617	8.000	246.800	1.00	246.800		

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1	2	3	4	5	6	7	8	9	10	11	12	13
				10mm@150c/c	1.350	0.617	21.000	17.492	12.00	209.904		
				10mm@200c/c	3.000	0.617	7.000	12.957	12.00	155.484		
				Lifting slab bottom	1.350	0.888	4.000	4.795	38.00	182.210		
				" top	1.350	0.617	3.000	2.499	38.00	94.962		
				" ring	0.900	0.395	7.000	2.489	38.00	94.582		
				outfall				800.000	1.00	800.000		
				Ch 1750-2050m				0.000	1.00	0.000		
				10mm@250c/c	3.800	0.617	1201.000	2815.865	1.00	2815.865		
				12mm@250c/c	1.200	0.888	1201.000	1279.786	2.00	2559.572		
				10mm@200c/c	300.000	0.617	20.000	3702.000	1.00	3702.000		
				10mm@250c/c	1.350	0.617	21.000	17.492	75.00	1311.900		
				10mm@200c/c	3.000	0.617	7.000	12.957	75.00	971.775		
				Lifting slab bottom	1.300	0.888	4.000	4.618	225.00	1039.050		
				" top	1.300	0.617	3.000	2.406	225.00	541.350		
				" ring	0.900	0.395	7.000	2.489	225.00	560.025		
				Ch 2050-2100m				0.000	1.00	0.000		
				10mm@250c/c	3.740	0.617	201.000	463.824	1.00	463.824		
				12mm@250c/c	1.200	0.888	201.000	214.186	2.00	428.372		
				10mm@200c/c	50.000	0.617	20.000	617.000	1.00	617.000		
				10mm@250c/c	1.350	0.617	21.000	17.492	12.00	209.904		
				10mm@200c/c	3.000	0.617	7.000	12.957	12.00	155.484		
				Lifting slab bottom	1.300	0.888	4.000	4.618	38.00	175.484		
				" top	1.300	0.617	3.000	2.406	38.00	91.428		
				" ring	0.900	0.395	7.000	2.489	38.00	94.582		
				Ch 2100-2350m				0.000	1.00	0.000		
				10mm@250c/c	3.730	0.617	1001.000	2303.711	1.00	2303.711		
				12mm@250c/c	1.200	0.888	1001.000	1066.666	2.00	2133.332		
				10mm@200c/c	250.000	0.617	20.000	3085.000	1.00	3085.000		
				10mm@250c/c	1.350	0.617	21.000	17.492	65.00	1136.980		

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1	2	3	4	5	6	7	8	9	10	11	12	13
				10mm@200c/c	3.000	0.617	7.000	12.957	65.00	842.205		
				Lifting slab bottom	1.300	0.888	4.000	4.618	190.00	877.420		
				" top	1.300	0.617	3.000	2.406	190.00	457.140		
				" ring	0.900	0.395	7.000	2.489	190.00	472.910		
				Ch 2300-2400m				0.000	1.00	0.000		
				10mm@250c/c	4.140	0.617	401.000	1024.306	1.00	1024.306		
				12mm@250c/c	1.500	0.888	401.000	534.132	2.00	1068.264		
				10mm@200c/c	100.000	0.617	21.000	1295.700	1.00	1295.700		
				10mm@250c/c	1.156	0.617	401.000	286.014	2.00	572.028		
				10mm@200c/c	100.000	0.617	7.000	431.900	2.00	863.800		
				10mm@250c/c	1.400	0.617	401.000	346.384	1.00	346.384		
				10mm@200c/c	100.000	0.617	7.000	431.900	1.00	431.900		
				10mm@150c/c	1.400	0.617	21.000	18.140	25.00	453.500		
				10mm@200c/c	3.000	0.617	7.000	12.957	25.00	323.925		
				Lifting slab bottom	1.350	0.888	4.000	4.795	75.00	359.625		
				" top	1.350	0.617	3.000	2.499	75.00	187.425		
				" ring	0.900	0.395	7.000	2.489	75.00	186.675		
				X-Drain				0.000	1.00	0.000		
				12mm@225c/c	5.320	0.888	36.000	170.070	1.00	170.070		
					8.000	0.617	22.000	108.592	1.00	108.592		
					1.450	0.617	32.000	28.629	1.00	28.629		
					1.450	0.888	32.000	41.203	1.00	41.203		
					1.450	1.580	45.000	103.095	1.00	103.095		
					8.000	0.617	7.000	34.552	1.00	34.552		
					0.800	0.617	32.000	15.795	1.00	15.795		
										44890.916	**120.00**	**5386909.92**

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1	2	3	4	5	6	7	8	9	10	11	12	13
7.	4.09.03.01	RCC-25SCCM: Reinforced cement concrete work with minimum cement content relates to mix ratio 1:1.5:3 and maximum water cement ratio 0.4 having minimum required average strength, f'cr = 33.5 MPa and satisfying a compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEM II/A-L/M/V/W 42.5N, high range water reducing admixture of complying type A or F under ASTM C 494 (Doses of admixture to be fixed by the mix design), sand of minimum FM 2.5 and 20mm down well graded crushed stone chips broken from boulders (Preferably stone chips from Madhyapara, Dinajpur, LAA value not exceeding 30) conforming to ASTM C33 including breaking chips, screening through proper sieves, cleaning, placing shutter in position, making shutter water-tight properly, placing reinforcement in position, mixing in standard mixture machine with hoper, maintaining allowable slump of 75mm to 100mm, casting in forms, compacting by mechanical vibrator machine, curing for 28 days, removing centering-shuttering after approved specified time period, other incidental charges, etc. all complete as per drawing, specification & direction of the E-I-C. The cost of reinforcement and it's fabrication, welding, coupling, placing, binding etc. is not included but the cost of admixture is included in this unit rate. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost. [Using Concrete Mixture Machine and retail rate of Cement] For pile caps, abutment base, facing elements of Reinforced/ Mechanically Stabilized Earth Structure, bottom slab of Box Culvert etc.	cum	Ch 1500-1650	150.000	1.300	0.150	29.250	1.00	29.250		
				Ch 1650-1700	50.000	1.350	0.175	11.813	1.00	11.813		
				Ch 1700-1750	50.000	1.350	0.175	11.813	1.00	11.813		
				Ch 1750-2050	300.000	1.300	0.150	58.500	1.00	58.500		
				Ch 2050-2100	50.000	1.300	0.150	9.750	1.00	9.750		
				Ch 2100-2350	250.000	1.300	0.150	48.750	1.00	48.750		
				Ch 2350-2400	50.000	1.350	0.175	11.813	1.00	11.813		
				outfall	5.000	3.000	0.200	3.000	1.00	3.000		
				inclined block	3.000	0.500	0.300	0.450	1.00	0.450		
				step	3.000	0.300	0.300	0.270	4.00	1.080		
				X-Drain	8.000	1.400	0.200	2.240	1.00	2.240		
										188.459	**16703.43**	**3147911.71**

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1	2	3	4	5	6	7	8	9	10	11	12	13
8.	4.09.03.02.01	RCC-25SCCM: Reinforced cement concrete work with minimum cement content relates to mix ratio 1:1.5:3 and maximum water cement ratio 0.4 having minimum required average strength, f'cr = 33.5 MPa and satisfying a compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEM II/A-L/M/V/W 42.5N, high range water reducing admixture of complying type A or F under ASTM C 494 (Doses of admixture to be fixed by the mix design), sand of minimum FM 2.5 and 20mm down well graded crushed stone chips broken from boulders (Preferably stone chips from Madhyapara, Dinajpur, LAA value not exceeding 30) conforming to ASTM C33 including breaking chips, screening through proper sieves, cleaning, placing shutter in position, making shutter water-tight properly, placing reinforcement in position, mixing in standard mixture machine with hoper, maintaining allowable slump of 75mm to 100mm, casting in forms, compacting by mechanical vibrator machine, curing for 28 days, removing centering-shuttering after approved specified time period, other incidental charges, etc. all complete as per drawing, specification & direction of the E-I-C. The cost of reinforcement and it's fabrication, welding, coupling, placing, binding etc. is not included but the cost of admixture is included in this unit rate. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost. [Using Concrete Mixture Machine and retail rate of Cement] For diaphragm walls, wing walls, piers, columns, projected pile cap above water level, pier caps, abutments of bridges and vertical members of box culverts For height up to 5m	cum									
				Ch 1500-1650	150.000	0.150	0.805	18.113	2.00	36.226		
				Ch 1650-1700	50.000	0.175	1.250	10.938	2.00	21.876		
				Ch 1700-1750	50.000	0.175	1.475	12.906	2.00	25.812		
				Ch 1750-2050	300.000	0.150	1.240	55.800	2.00	111.600		
				Ch 2050-2100	50.000	0.150	1.210	9.075	2.00	18.150		
				Ch 2100-2350	250.000	0.150	1.205	45.188	2.00	90.376		
				Ch 2350-2400	50.000	0.175	1.360	11.900	2.00	23.800		
				outfall	5.000	0.300	1.950	2.925	2.00	5.850		
				cut off wall	3.000	0.200	0.800	0.480	1.00	0.480		
				fillet	950*0.5*0.1*0.1			4.750	2.00	9.500		
				X-Drain	8.000	0.200	1.000	1.600	2.00	3.200		
										346.870	**17469.64**	**6059694.03**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
9.	4.09.03.05.01	RCC-25SCCM: Reinforced cement concrete work with minimum cement content relates to mix ratio 1:1.5:3 and maximum water cement ratio 0.4 having minimum required average strength, f'cr = 33.5 MPa and satisfying a compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEM II/A-L/M/V/W 42.5N, high range water reducing admixture of complying type A or F under ASTM C 494 (Doses of admixture to be fixed by the mix design), sand of minimum FM 2.5 and 20mm down well graded crushed stone chips broken from boulders (Preferably stone chips from Madhyapara, Dinajpur, LAA value not exceeding 30) conforming to ASTM C33 including breaking chips, screening through proper sieves, cleaning, placing shutter in position, making shutter water-tight properly, placing reinforcement in position, mixing in standard mixture machine with hoper, maintaining allowable slump of 75mm to 100mm, casting in forms, compacting by mechanical vibrator machine, curing for 28 days, removing centering-shuttering after approved specified time period, other incidental charges, etc. all complete as per drawing, specification & direction of the E-I-C. The cost of reinforcement and it's fabrication, welding, coupling, placing, binding etc. is not included but the cost of admixture is included in this unit rate. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost. [Using Concrete Mixture Machine and retail rate of Cement] For top slab including curb and wheel guard of box culvert Height up to 5 m	cum	Ch 1500-1650	150.000	1.300	0.125	24.375	1.00	24.375		
				Ch 1650-1700	50.000	1.350	0.125	8.438	1.00	8.438		
				Ch 1700-1750	50.000	1.350	0.125	8.438	1.00	8.438		
				Ch 1750-2050	300.000	1.300	0.125	48.750	1.00	48.750		
				Ch 2050-2100	50.000	1.300	0.125	8.125	1.00	8.125		
				Ch 2100-2350	250.000	1.300	0.125	40.625	1.00	40.625		
				Ch 2350-2400	50.000	1.350	0.150	10.125	1.00	10.125		
				X-Drain	8.000	1.400	0.200	2.240	1.00	2.240		
										151.116	**19921.52**	**3010460.42**
10.	7.43.1	Supplying different inside dia best quality uPVC soil, waste and ventilation pipe having specific gravity 1.35 - 1.45, wall thickness 2.5 mm - 3.0 mm, and other physical, chemical, themal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitting and fixing in position with sockets, bends, of uPVC Pipe with all accessories such as Round grating /domed roof grating bands, sockets etc. approved and accepted by the Engineer- in- charge. 50 mm inside dia wall thickness 2.5 mm - 3.0 mm (PWD BW 26.43.1)	m					500.000	1.00	500.000		
										~~500.000~~	**541.00**	**270500.00**

200

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amou
1	2	3	4	5	6	7	8	9	10	11	12	13
11.	5.15.15.1	Supplying, fitting and fixing 20mm to 25mm thick machine made cement pavement tiles having minimum compressive strength of 27 MPa, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and making the joints carefully in true straight line including cutting, laying and hire charge of machine and finishing with care etc. including water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor (PWD BW 06.15) Pavement tiles of size 300 mm x 300 mm [PWD 06.15.1]	sqm	Ch 1500-1650	150.000	1.300		195.000	1.00	195.000		
				Ch 1650-1700	50.000	1.350		67.500	1.00	67.500		
				Ch 1700-1750	50.000	1.350		67.500	1.00	67.500		
				Ch 1750-2050	300.000	1.300		390.000	1.00	390.000		
				Ch 2050-2100	50.000	1.300		65.000	1.00	65.000		
				Ch 2100-2350	250.000	1.300		325.000	1.00	325.000		
				Ch 2350-2400	50.000	1.350		67.500	1.00	67.500		
										1177.500	**1175.00**	**1383562.50**
12.	RUTDP-23.03	MS Grating, Analysis for 1 pice (as per enclosed drawing, size 300mm x 250mm)	each					1.000	152.00	152.000		
										152.000	**2285.30**	**347365.60**
13.	4.06.06.02	Minimum 6mm thick cement plaster including neat cement finishing over concrete faces with sand of minimum FM 1.20 and cement conforming to BDS EN 197-1 : 2003 CEM-II/A-L/M/V/W 42.5N including washing of sand, cleaning junctiongs of concrete, grouting, dabbing, doing independent double-legged scaffolding, finishing the edges and corners, cleaning of surfaces and curing for requisite period etc. all complete at all leads & lifts as per drawings, specification & direction of the E-I-C. Cement mortar (1:4)	sqm	ch 0-2400	2400.000	0.300		720.000	1.00	720.000		
										720.000	**264.09**	**190144.80**

Part : 1 TOTAL : 21,563,609.13

Part : 2

Scheme Code : 24190-24-10002
Road Code :
Financial Year : 2023-2024
Name of the Scheme : Part:1 (Drain)
B) Re-habilitation of Doulatpur road by BC with streetlight and drain with footpath (Ch.0+00 to 1270m) with Doulatpur choto Achra link road from ch 0.00-1226.00m Under Benapole pourashava ,sarsha ,jashore .

Scheme Preparation Date :
FY & Type of Rate : 2022-2023 [Feb-23] (General)
District : JASHORE
Upazila : SARSHA

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
14.	4.05.01.01.01	Earth work in excavation of foundation of structures by mechanical (Hydraulic excavator - Long Boom)/ manual means in all sorts of soil up to specified depth in accordance with requirements of lines, grades, cross sections and elevation as shown in the drawing including setting out, removal of stumps, logs, boulders and other deleterious materials, providing necessary tools and plants, construction of shoring and bracing, cleaning the excavated materials to a safe distance out of the site premises, cut to a firm surface including pumping/ bailing out water, removal of spoils to a safe distance, dressing of sides and bottom and backfilling of trenches up to original level with approved material etc. all complete as per approval of E-I-C. Contractor shall get acquainted with site conditions, nature of soil and adopt suitable adequate dewatering system as deemed fit for the nature of soil and prevailing water table to get the surface reasonably dry for laying PCC at the time of execution so that execution will not be hampered or delayed. Back-filled materials shall be compacted to a density comparable with the adjacent undisturbed material. Earth work in Ordinary Soil by Manual Means for an initial lead up to 30m For depth up to 3m	cum	Ch 1275-700	575.000	1.600	1.315	1209.800	1.00	1209.800		
				Ch 700-600	100.000	1.650	1.630	268.950	1.00	268.950		
				Ch 600-500	100.000	1.700	2.115	359.550	1.00	359.550		
				Ch 500-275	225.000	1.700	2.525	965.813	1.00	965.813		
				Ch275-50	200.000	1.700	2.430	826.200	1.00	826.200		
				Ch 50-0	50.000	1.700	2.090	177.650	1.00	177.650		
				Link drain,Ch 1226-850	376.000	1.400	1.155	607.992	1.00	607.992		
				Link drain,Ch 850-550	300.000	1.500	1.835	825.750	1.00	825.750		
				Link drain,Ch 0-550	550.000	1.400	1.475	1135.750	1.00	1135.750		
				Road cross drain=50m	50.000	1.700	1.625	138.125	1.00	138.125		
				outfall	5.000	3.300	2.950	48.675	2.00	97.350		
										6612.930	**203.99**	**1348971.59**
15.	4.05.03	P&B: Pumping and bailing out water from the interior of any foundation enclosure of work site with all leads and lifts including supply, operation and maintenance of requisite number of water pumps, arrangements for protection of ring bundh and side slopes of foundation pit against erosion or washout etc. It should be carried out in such a manner as to preclude the possibility of the movement of water through or alongside any concrete being placed, etc. all complete as per direction of E-I-C. [PWD 2.2]	hour					240.000	1.00	240.000		
										240.000	**458.00**	**109920.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
16.	5.02.08.1	Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only, all complete and accepted by the Engineer-in-charge. [PWD 02.10.1]	cum	Ch 1275-700	575.000	1.300	0.150	112.125	1.00	112.125		
				Ch 700-600	100.000	1.350	0.150	20.250	1.00	20.250		
				Ch 600-500	100.000	1.400	0.150	21.000	1.00	21.000		
				Ch 500-275	225.000	1.400	0.150	47.250	1.00	47.250		
				Ch275-50	200.000	1.400	0.150	42.000	1.00	42.000		
				Ch 50-0	50.000	1.400	0.150	10.500	1.00	10.500		
				Link drain,Ch 1226-850	376.000	1.100	0.150	62.040	1.00	62.040		
				Link drain,Ch 850-550	300.000	1.200	0.150	54.000	1.00	54.000		
				Link drain,Ch 0-550	550.000	1.100	0.150	90.750	1.00	90.750		
				Road cross drain=50m	50.000	1.400	0.150	10.500	1.00	10.500		
				outfall	5.000	3.000	0.150	2.250	2.00	4.500		
										474.915	**1069.00**	**507684.14**
17.	3.07.1	PS: Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or any where below cement concrete complete in all respect and accepted by Engineer-in-charge.	sqm	Ch 1275-700	575.000	1.300		747.500	1.00	747.500		
				Ch 700-600	100.000	1.350		135.000	1.00	135.000		
				Ch 600-500	100.000	1.400		140.000	1.00	140.000		
				Ch 500-275	225.000	1.400		315.000	1.00	315.000		
				Ch275-50	200.000	1.400		280.000	1.00	280.000		
				Ch 50-0	50.000	1.400		70.000	1.00	70.000		
				Link drain,Ch 1226-850	376.000	1.100		413.600	1.00	413.600		
				Link drain,Ch 850-550	300.000	1.200		360.000	1.00	360.000		
				Link drain,Ch 0-550	550.000	1.100		605.000	1.00	605.000		
				Road cross drain=50m	50.000	1.400		70.000	1.00	70.000		
				outfall	5.000	3.000		15.000	2.00	30.000		
										3166.100	**46.07**	**145862.23**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
18.	4.06.03	PCC-10: Plain cement concrete work in foundation with minimum compressive strength of 10 MPa at 28 days (sugessted mix proportion 1:3:6) on standard cylinder as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEM-II/A-L/M/V/W 42.5N, sand of minimum FM 1.8 and 20mm down well graded 1st class/ picked brick chips (LAA value not exceeding 40) comforming to ASTM C 33 including breaking bricks into chips, shuttering, mixing by concrete mixer machine, casting, laying compacting and curing for the requisite period etc. all complete as per direction of the E-I-C. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost.	cum									
				Ch 1275-700	575.000	1.300	0.075	56.063	1.00	56.063		
				Ch 700-600	100.000	1.350	0.075	10.125	1.00	10.125		
				Ch 600-500	100.000	1.400	0.075	10.500	1.00	10.500		
				Ch 500-275	225.000	1.400	0.075	23.625	1.00	23.625		
				Ch275-50	200.000	1.400	0.075	21.000	1.00	21.000		
				Ch 50-0	50.000	1.400	0.075	5.250	1.00	5.250		
				Link drain,Ch 1226-850	376.000	1.100	0.075	31.020	1.00	31.020		
				Link drain,Ch 850-550	300.000	1.200	0.075	27.000	1.00	27.000		
				Link drain,Ch 0-550	550.000	1.100	0.075	45.375	1.00	45.375		
				Road cross drain=50m	50.000	1.400	0.075	5.250	1.00	5.250		
				outfall	5.000	3.000	0.075	1.125	2.00	2.250		
				Road side c.c	2501.000	0.150	0.075	28.136	1.00	28.136		
										265.594	**10163.41**	**2699340.72**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
19.	4.11.01.02.02	Supplying and fabrication of Ribbed or deformed bar reinforcement for all types of RCC work including straightening, removing ruts, cleaning, cutting, hooking, bending, lapping and/or welding wherever required as directed, placing in position, tieing with 22 BWG black annealed binding wire (PVC coated in case of FBEC rebar) double fold, cost of binding wire and anchoring to the adjoining members wherever necessary, supplying and placing with proper cover blocks (1:1), supports, chairs, spacers, splices or laps etc. including cost of all materials, cost of labour, cost of equipment & machinery, loading and unloading, transportation, all other incidental charges and work at all leads and lifts etc. to complete the work as per design, drawing, specifications and direction of the E-I-C. Measurement relating to nominal mass, dimensions and tolerances of various types of steel shall conform to relevant BDS/ ASTM codes. Reinforcement shall be measured only in lengths of bar as actually placed in position on standard weight i.e. 7850 kg/m3 (BNBC Table 6.2.1) basis. No separate payment shall be allowed for chairs of any shape & profile, spacer bar of any shape & profile, lap/splice & welding unless otherwise shown in the drawing, wastages, binding wire etc. as the cost of these is included in the unit rate. Note: Tests for reinforcing bars shall be conducted at LGED/ BUET/ CUET/ KUET/ RUET/SUST. Grade B400C-R/ B400CWR/ 400DWR: Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2016 with minimum yield strength, fy (ReH) = 400 MPa, but the tested yield strength shall not exceed fy by more than the 125 MPa and the ratio of tested ultimate strength, fu (Re) to tested yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A5.65) & minimum total elongation at maximum force (Agt) is 17% and 8% respectively. Using bulk rate of reinforcing bar	kg	ch.1275-700m				0.000	1.00	0.000		
				10mm@150c/c	3.350	0.617	3834.000	7924.686	1.00	7924.686		
				10mm@200c/c	575.000	0.617	18.000	6385.950	1.00	6385.950		
				Main10mm@150c/c	1.300	0.617	21.000	16.844	145.00	2442.380		
				10mm@200c/c	575.000	0.617	7.000	2483.425	1.00	2483.425		
				Lifting slab bottom	1.300	0.888	4.000	4.618	432.00	1994.976		
				" top	1.300	0.617	3.000	2.406	432.00	1039.392		
				" ring	0.900	0.395	7.000	2.489	432.00	1075.248		
				Ch 700-500m				0.000	1.00	0.000		
				10mm@250c/c	4.640	0.617	801.000	2293.167	1.00	2293.167		
				12mm@250c/c	1.488	0.888	801.000	1058.397	2.00	2116.794		
				10mm@200c/c	200.000	0.617	24.000	2961.600	1.00	2961.600		
				10mm@250c/c	1.860	0.617	801.000	919.244	2.00	1838.488		
				10mm@200c/c	200.000	0.617	10.000	1234.000	2.00	2468.000		
				10mm@250c/c	1.450	0.617	801.000	716.615	1.00	716.615		
				10mm@200c/c	200.000	0.617	7.000	863.800	1.00	863.800		
				10mm@150c/c	1.450	0.617	21.000	18.788	51.00	958.188		
				10mm@200c/c	3.000	0.617	7.000	12.957	51.00	660.807		
				Lifting slab bottom	1.400	0.888	4.000	4.973	150.00	745.950		
				" top	1.400	0.617	3.000	2.591	150.00	388.650		
				" ring	0.900	0.395	7.000	2.489	150.00	373.350		
				Ch 500-0m				0.000	1.00	0.000		
				12mm@200c/c	5.950	0.888	2501.000	13214.284	1.00	13214.284		
				12mm@200c/c	1.850	0.888	2501.000	4108.643	2.00	8217.286		
				10mm@200c/c	500.000	0.617	31.000	9563.500	2.00	19127.000		
				10mm@250c/c	2.390	0.617	2001.000	2950.735	2.00	5901.470		
				10mm@200c/c	500.000	0.617	13.000	4010.500	2.00	8021.000		
				10mm@250c/c	1.650	0.617	2001.000	2037.118	1.00	2037.118		
				10mm@200c/c	500.000	0.617	8.000	2468.000	1.00	2468.000		

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
				10mm@150c/c	1.650	0.617	21.000	21.379	125.00	2672.375		
				10mm@200c/c	3.000	0.617	7.000	12.957	125.00	1619.625		
				Lifting slab bottom	1.650	0.888	4.000	5.861	375.00	2197.875		
				" top	1.650	0.617	3.000	3.054	375.00	1145.250		
				" ring	0.900	0.395	8.000	2.844	375.00	1066.500		
				outfall				1300.000	1.00	1300.000		
				Link drain.Ch 1226-850m				0.000	1.00	0.000		
				10mm@150c/c	2.830	0.617	2507.000	4377.498	1.00	4377.498		
				10mm@200c/c	376.000	0.617	15.000	3479.880	1.00	3479.880		
				10mm@150c/c	1.100	0.617	21.000	14.253	95.00	1354.035		
				10mm@200c/c	3.000	0.617	6.000	11.106	95.00	1055.070		
				Lifting slab bottom	1.100	0.888	4.000	3.907	285.00	1113.495		
				" top	1.100	0.617	3.000	2.036	285.00	580.260		
				" ring	0.900	0.395	6.000	2.133	285.00	607.905		
				Ch 850-550m				0.000	1.00	0.000		
				12mm@250c/c	4.290	0.888	1201.000	4575.234	1.00	4575.234		
				12mm@250c/c	1.600	0.888	1201.000	1706.381	2.00	3412.762		
				10mm@200c/c	300.000	0.617	22.000	4072.200	1.00	4072.200		
				10mm@250c/c	1.760	0.617	1201.000	1304.190	2.00	2608.380		
				10mm@200c/c	300.000	0.617	9.000	1665.900	2.00	3331.800		
				10mm@250c/c	1.250	0.617	1201.000	926.271	1.00	926.271		
				10mm@200c/c	300.000	0.617	7.000	1295.700	1.00	1295.700		
				10mm@150c/c	1.250	0.617	21.000	16.196	75.00	1214.700		
				10mm@200c/c	3.000	0.617	7.000	12.957	75.00	971.775		
				Lifting slab bottom	1.200	0.888	4.000	4.262	225.00	958.950		
				" top	1.200	0.617	3.000	2.221	225.00	499.725		
				" ring	0.900	0.395	6.000	2.133	225.00	479.925		
				Ch 550-0m				0.000	1.00	0.000		
				10mm@250c/c	3.470	0.617	2201.000	4712.319	1.00	4712.319		

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
				12mm@250c/c	1.200	0.888	2201.000	2345.386	2.00	4690.772		
				10mm@200c/c	550.000	0.617	18.000	6108.300	1.00	6108.300		
				10mm@150c/c	1.150	0.617	21.000	14.901	140.00	2086.140		
				10mm@200c/c	3.000	0.617	7.000	12.957	140.00	1813.980		
				Lifting slab bottom	1.100	0.888	4.000	3.907	415.00	1621.405		
				" top	1.100	0.617	3.000	2.036	415.00	844.940		
				" ring	0.900	0.395	6.000	2.133	415.00	885.195		
				Road cross drain=50m				0.000	1.00	0.000		
				12mm@225c/c	5.320	0.888	224.000	1058.212	1.00	1058.212		
				10mm@250c/c	50.000	0.617	22.000	678.700	1.00	678.700		
				10mm@250c/c	1.450	0.617	201.000	179.825	2.00	359.650		
				12mm@250c/c	1.450	0.888	201.000	258.808	1.00	258.808		
				16mm@175c/c	1.450	1.578	287.000	656.685	1.00	656.685		
				10mm@250c/c	50.000	0.617	7.000	215.950	4.00	863.800		
				10mm@250c/c	0.800	0.617	201.000	99.214	4.00	396.856		
										172670.576	**120.00**	**20720469.12**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
20.	4.09.03.01	RCC-25SCCM: Reinforced cement concrete work with minimum cement content relates to mix ratio 1:1.5:3 and maximum water cement ratio 0.4 having minimum required average strength, f'cr = 33.5 MPa and satisfying a compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEM II/A-L/M/V/W 42.5N, high range water reducing admixture of complying type A or F under ASTM C 494 (Doses of admixture to be fixed by the mix design), sand of minimum FM 2.5 and 20mm down well graded crushed stone chips broken from boulders (Preferably stone chips from Madhyapara, Dinajpur, LAA value not exceeding 30) conforming to ASTM C33 including breaking chips, screening through proper sieves, cleaning, placing shutter in position, making shutter water-tight properly, placing reinforcement in position, mixing in standard mixture machine with hoper, maintaining allowable slump of 75mm to 100mm, casting in forms, compacting by mechanical vibrator machine, curing for 28 days, removing centering-shuttering after approved specified time period, other incidental charges, etc. all complete as per drawing, specification & direction of the E-I-C. The cost of reinforcement and it's fabrication, welding, coupling, placing, binding etc. is not included but the cost of admixture is included in this unit rate. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost. [Using Concrete Mixture Machine and retail rate of Cement] For pile caps, abutment base, facing elements of Reinforced/ Mechanically Stabilized Earth Structure, bottom slab of Box Culvert etc.	cum	Ch 1275-700	575.000	1.300	0.150	112.125	1.00	112.125		
				Ch 700-600	100.000	1.350	0.175	23.625	1.00	23.625		
				Ch 600-500	100.000	1.400	0.200	28.000	1.00	28.000		
				Ch 500-275	225.000	1.400	0.200	63.000	1.00	63.000		
				Ch275-50	200.000	1.400	0.200	56.000	1.00	56.000		
				Ch 50-0	50.000	1.400	0.200	14.000	1.00	14.000		
				Link drain,Ch 1226-850	376.000	1.100	0.150	62.040	1.00	62.040		
				Link drain,Ch 850-550	300.000	1.200	0.200	72.000	1.00	72.000		
				Link drain,Ch 0-550	550.000	1.100	0.150	90.750	1.00	90.750		
				Road cross drain=50m	50.000	1.400	0.200	14.000	1.00	14.000		
				outfall	5.000	3.000	0.200	3.000	2.00	6.000		
				inclined block	3.000	0.500	0.300	0.450	2.00	0.900		
				step	3.000	0.300	0.300	0.270	8.00	2.160		
				cut off wall	3.000	0.200	0.800	0.480	2.00	0.960		
										545.560	**16703.43**	**9112723.27**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
21.	4.09.03.02.01	RCC-25SCCM: Reinforced cement concrete work with minimum cement content relates to mix ratio 1:1.5:3 and maximum water cement ratio 0.4 having minimum required average strength, f'cr = 33.5 MPa and satisfying a compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEM II/A-L/M/V/W 42.5N, high range water reducing admixture of complying type A or F under ASTM C 494 (Doses of admixture to be fixed by the mix design), sand of minimum FM 2.5 and 20mm down well graded crushed stone chips broken from boulders (Preferably stone chips from Madhyapara, Dinajpur, LAA value not exceeding 30) conforming to ASTM C33 including breaking chips, screening through proper sieves, cleaning, placing shutter in position, making shutter water-tight properly, placing reinforcement in position, mixing in standard mixture machine with hoper, maintaining allowable slump of 75mm to 100mm, casting in forms, compacting by mechanical vibrator machine, curing for 28 days, removing centering-shuttering after approved specified time period, other incidental charges, etc. all complete as per drawing, specification & direction of the E-I-C. The cost of reinforcement and it's fabrication, welding, coupling, placing, binding etc. is not included but the cost of admixture is included in this unit rate. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost. [Using Concrete Mixture Machine and retail rate of Cement] For diaphragm walls, wing walls, piers, columns, projected pile cap above water level, pier caps, abutments of bridges and vertical members of box culverts For height up to 5m	cum	Ch 1275-700	575.000	0.150	1.015	87.544	2.00	175.088		
				Ch 700-600	100.000	0.175	1.305	22.838	2.00	45.676		
				Ch 600-500	100.000	0.200	1.765	35.300	2.00	70.600		
				Ch 500-275	225.000	0.200	2.060	92.700	2.00	185.400		
				Ch275-50	200.000	0.200	2.055	82.200	2.00	164.400		
				Ch 50-0	50.000	0.200	1.715	17.150	2.00	34.300		
				Link drain,Ch 1226-850	376.000	0.150	0.855	48.222	2.00	96.444		
				Link drain,Ch 850-550	300.000	0.200	1.485	89.100	2.00	178.200		
				Link drain,Ch 0-550	550.000	0.150	1.175	96.938	2.00	193.876		
				Road cross drain=50m	50.000	0.200	1.000	10.000	2.00	20.000		
				outfall	5.000	0.200	1.950	1.950	4.00	7.800		
				fillet	2600*0.5*0.1*0.1			13.000	2.00	26.000		
										1197.784	**17469.64**	**20924855.28**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
22.	4.09.03.05.01	RCC-25SCCM: Reinforced cement concrete work with minimum cement content relates to mix ratio 1:1.5:3 and maximum water cement ratio 0.4 having minimum required average strength, f'cr = 33.5 MPa and satisfying a compressive strength f'c = 25 MPa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and cement conforming to BDS EN 197-1 : 2003 CEM II/A-L/M/V/W 42.5N, high range water reducing admixture of complying type A or F under ASTM C 494 (Doses of admixture to be fixed by the mix design), sand of minimum FM 2.5 and 20mm down well graded crushed stone chips broken from boulders (Preferably stone chips from Madhyapara, Dinajpur, LAA value not exceeding 30) conforming to ASTM C33 including breaking chips, screening through proper sieves, cleaning, placing shutter in position, making shutter water-tight properly, placing reinforcement in position, mixing in standard mixture machine with hoper, maintaining allowable slump of 75mm to 100mm, casting in forms, compacting by mechanical vibrator machine, curing for 28 days, removing centering-shuttering after approved specified time period, other incidental charges, etc. all complete as per drawing, specification & direction of the E-I-C. The cost of reinforcement and it's fabrication, welding, coupling, placing, binding etc. is not included but the cost of admixture is included in this unit rate. Additional quantity of cement to be added if required to attain the strength at the contractor's own cost. [Using Concrete Mixture Machine and retail rate of Cement] For top slab including curb and wheel guard of box culvert Height up to 5 m	cum	Ch 1275-700	575.000	1.300	0.125	93.438	1.00	93.438		
				Ch 700-600	100.000	1.350	0.125	16.875	1.00	16.875		
				Ch 600-500	100.000	1.400	0.125	17.500	1.00	17.500		
				Ch 500-275	225.000	1.400	0.150	47.250	1.00	47.250		
				Ch275-50	200.000	1.400	0.150	42.000	1.00	42.000		
				Ch 50-0	50.000	1.400	0.150	10.500	1.00	10.500		
				Link drain,Ch 1226-850	376.000	1.100	0.125	51.700	1.00	51.700		
				Link drain,Ch 850-550	300.000	1.200	0.125	45.000	1.00	45.000		
				Link drain,Ch 0-550	550.000	1.100	0.125	75.625	1.00	75.625		
				Road cross drain=50m	50.000	1.400	0.200	14.000	1.00	14.000		
										413.888	**19921.52**	**8245278.07**
23.	7.43.1	Supplying different inside dia best quality uPVC soil, waste and ventilation pipe having specific gravity 1.35 - 1.45, wall thickness 2.5 mm - 3.0 mm, and other physical, chemical, themal, fire resistivity properties etc. as per BSTI approved manufacturer standards or ASTM, BS/ISO/IS standards fitting and fixing in position with sockets, bends, of uPVC Pipe with all accessories such as Round grating /domed roof grating bands, sockets etc. approved and accepted by the Engineer- in- charge. 50 mm inside dia wall thickness 2.5 mm - 3.0 mm (PWD BW 26.43.1)	m					1350.000	1.00	1350.000		
										1350.000	**541.00**	**730350.00**
24.	7.44.2	Supplying and laying uPVC pipe for for underground including fitting, fixing etc. all complete approved and accepted by the Engineer- in- charge. 200 mm dia with wall thickness 5.3 mm - 7.8 mm uPVC pipe (PWD BW 26.44.2)	m		0.200			0.200	100.00	20.000		
										20.000	**2078.00**	**41560.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
25.	5.15.15.1	Supplying, fitting and fixing 20mm to 25mm thick machine made cement pavement tiles having minimum compressive strength of 27 MPa, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and making the joints carefully in true straight line including cutting, laying and hire charge of machine and finishing with care etc. including water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor (PWD BW 06.15) Pavement tiles of size 300 mm x 300 mm [PWD 06.15.1]	sqm	Ch 1275-700	575.000	1.300		747.500	1.00	747.500		
				Ch 700-600	100.000	1.350		135.000	1.00	135.000		
				Ch 600-500	100.000	1.400		140.000	1.00	140.000		
				Ch 500-275	225.000	1.400		315.000	1.00	315.000		
				Ch275-50	200.000	1.400		280.000	1.00	280.000		
				Ch 50-0	50.000	1.400		70.000	1.00	70.000		
				Link drain,Ch 1226-850	376.000	1.100		413.600	1.00	413.600		
				Link drain,Ch 850-550	300.000	1.200		360.000	1.00	360.000		
				Link drain,Ch 0-550	550.000	1.100		605.000	1.00	605.000		
				Road cross drain=50m	50.000	1.400		70.000	1.00	70.000		
										3136.100	**1175.00**	**3684917.50**
26.	RUTDP-23.03	MS Grating, Analysis for 1 pice (as per enclosed drawing, size 300mm x 250mm)	each	ch 0-1275				1.000	128.00	128.000		
				Link ch 0-1226				1.000	123.00	123.000		
										251.000	**2285.30**	**573610.30**
27.	4.06.06.02	Minimum 6mm thick cement plaster including neat cement finishing over concrete faces with sand of minimum FM 1.20 and cement conforming to BDS EN 197-1 : 2003 CEM-II/A-L/M/V/W 42.5N including washing of sand, cleaning junctiongs of concrete, grouting, dabbing, doing independent double-legged scaffolding, finishing the edges and corners, cleaning of surfaces and curing for requisite period etc. all complete at all leads & lifts as per drawings, specification & direction of the E-I-C. Cement mortar (1:4)	sqm	ch 0-1275	1275.000	0.300		382.500	1.00	382.500		
				Link 0-1226	1226.000	0.300		367.800	1.00	367.800		
										750.300	**264.09**	**198146.73**

Part : 2 TOTAL : 69,043,688.93

Part : 3

Scheme Code : 24190-24-10004
Road Code :
Financial Year : 2023-2024
Name of the Scheme : Part: 2 (Road)
B) Re-habilitation of Doulatpur road by BC with streetlightand drain with footpath (Ch.0+00 to 1270m) with Doulatpur choto Achra link road from ch 0.00-1226.00mUnder Benapole pourashava ,sarsha ,jashore .

Scheme Preparation Date :
FY & Type of Rate : 2022-2023 [Feb-23] (General)
District : JASHORE
Upazila : SARSHA

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
28.	3.10.01.2	HBPMM: Preparation of hard bed by scarifying and loosening of existing top (bituminous) surface, including base/sub-base course materials up to the depth of 75mm (minimum) using mechanical means, breaking dismantled material into specified sizes (less than 40mm), with supplying of extra fresh base course materials of required specification (if required) including spreading, leveling, dressing of loose material uniformly for maintaining camber & grade, watering if needed, rolling with 8 to 10 MT road roller to give compaction to 100% of MDD as obtained by standard proctor test etc. all complete in all respect as per direction of the Engineer-in-charge. (Rate is excluding the cost of additional material supplied)	sqm	ch.0-1000m	1000.000	3.000		3000.000	1.00	3000.000		
				Link road,Ch 0-1226	1226.000	3.000		3678.000	1.00	3678.000		
										6678.000	**34.92**	**233195.76**
29.	3.05.7.1.01	WBMBC: Providing compacted brick aggregate base course, including supplying, spreading and compacting 50mm downgraded crusher run 1st class and Picked brick chips (LAA value not exceeding 40%) including supplying of required amount of 12mm downgraded chips made of same quality bricks, including spreading uniformly in layers of specified loose thickness on road surface maintaining grade, camber and super elevation including local handling, hand packing, booming, watering, dry rolling followed by wet rolling in layers with 8~10 tonne road roller to attain each layer's minimum soaked CBR 80% or Design CBR at specified degree of compaction, including supplying choking/screening material as filler material @0.018cum/sqm or as required including cost of materials, labours etc. all complete as per direction of the E-I-C. After adequate dry rolling spreading of choking/screening material on the surface, sprinkling water and rolling is to be continued until all the voids are filled, wave of grout/slurry flushes ahead of the roller. Thickness of each layer should not be more than 100mm loose and measurement for Payment will be made on compacted thickness. Degree of Compaction: Minimum 98% of MDD (Modified Proctor)	cum	ch.0-1000	1000.000	5.000	0.150	750.000	1.00	750.000		
				Link road,Ch 0-1226	1226.000	3.000	0.100	367.800	1.00	367.800		
										1117.800	**6677.63**	**7464254.81**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
30.	3.06.1.2	PCMD@1.2: Providing Prime coat @1.2 liter/sqm with cut back bitumen to be prepared by cutting back 60/70 penetration grade straight run bitumen (conforming to the requirements of ASTM/ AASHTO in the ratio of 100 parts by volume of bitumen to 40-60 parts by volume of kerosene depending on the porosity of the surface and will be decided by field trials, the correct quantity that is completely absorbed within 24 hours including carefully cleaning of the surface of the granular base material to be primed and spraying cut back bitumen at a temperature from 100°C to 120°C by mechanical distributor, etc. complete as per direction of the E-I-C.[Retail]	sqm	ch.0-1000	1000.000	5.000		5000.000	1.00	5000.000		
				Link road,Ch 0-1226	1226.000	3.000		3678.000	1.00	3678.000		
										8678.000	**157.15**	**1363747.70**
31.	3.06.5.2	40mmDC (BG-60/70): Providing 40mm thick (minimum) compacted pre-mixed bituminous surfacing - wearing course with 25mm downgraded crushed stone chips (LAA value <= 30%) complying with the specified grading requirement of the relevant item of Road Design standards, water absorption not >2%, flakiness index not >35% mixed with 60/70 penetration grade straight run bitumen satisfying the requirements of ASTM/AASHTO. The bitumen and stone-chips shall be separately heated to a temperature 140°C – 155°C and 150°C – 170°C respectively before mixing. The mixing shall be done at temperature between 140°C – 160°C at a separate place away from the fire. The bitumen and stone-chips mixture shall be laid uniformly on the road surface in single appropriate layer to give specified compacted thickness, maintaining specified camber, grade and super-elevation. The mixture should be rolled at a temperature not below 90°C with appropriate Steel Drum Roller (3-5 tons) & pneumatic multiple tire roller (8-10 tons) to full compaction, including supplying of all materials, their carriage, labourers tools and equipment etc. all complete as per the direction of the E-I-C. The bitumen in the mix shall be between @ 5.0% to 5.5% by weight of total mix or as determined by job mix design. (In order to achieve the specified grading a blending of nominal maximum size of 25mm, 19mm, 12mm, 6mm crushed stone chips and stone dust is suggested and proportion will have to determine by the laboratory analysis).[Retail]	sqm	ch.0-1000	1000.000	5.000		5000.000	1.00	5000.000		
				Link road,Ch 0-1226	1226.000	3.000		3678.000	1.00	3678.000		
										8678.000	**994.68**	**8631833.04**
32.	3.02.1.1	Sand (FM 0.50) filling on the road bed in the improved sub-grade with sand (minimum FM 0.5) free from dust, earth, other vegetable growth, foreign materials etc. including supplying all materials, spreading, watering, compacting by appropriate mechanical means to obtain a minimum Soaked CBR 8% or Design CBR at minimum compaction 98% of Maximum Dry Density (MDD) (Modified Proctor), etc. all complete as per direction of the E-I-C.	cum	ch.-1000	1000.000	2.000	0.200	400.000	1.00	400.000		
										400.000	**938.81**	**375524.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
33.	3.03.3.4	SBBC(FM-0.8): Providing compacted aggregate sand sub-base course with 38mm down Crusher run 1st class bricks/picked chips of LAA value not exceeding 40 & sand of minimum FM 0.80 mixed in proportion 1:1 by volume placed in layer(s), mixing properly, watering, compacting with 8~10 tonne road roller to attain each layer's minimum soaked CBR 35% or Design CBR at minimum compaction 98% of MDD (Modified Proctor) including supplying of all materials, labourers, tools and equipment etc. all complete as per direction of the E-I-C.	cum	ch.0-1000	1000.000	2.000	0.200	400.000	1.00	400.000		
										400.000	**4209.30**	**1683720.00**
34.	3.12.08.02	RMP(By-TPC): Providing and applying road markings of center line and stop line etc. With minimum 5 to 6 mm thick hot applied white/yellow thermoplastic compound (The materials shall comply with BS3262:1987' Specification for Hot-applied Thermoplastic Road Marking Materials') by special applicator machine on road/plain surface, including cleaning the surface of all dirt, oils, grease, dust and other contaminants,demarcation at site and traffic control involved, the finished surface to be level, uniform and free from streaks and holes, etc. all complete in all respect as direction of the Engineer-in-charge. Rate is inclusive of cost of all materials, labour machinery, lighting, guarding, maintenance of diversion and all incidental charges in this connection.	sqm	ch.0-1000m	1000.000	0.100		100.000	3.00	300.000		
										300.000	**951.07**	**285321.00**
35.	3.12.04.3	CRS-Plate: Providing and fixing of retro-reflectorized cautionary, mandatory and informatory sign as per standard drawing enumerated in Appendix-6 (type design for Traffic Signs) made of 18 BWG M.S. sheet of equilateral triangle/Circular/Rectangular plates of different sizes as mentioned in the drawing fitted with MS triangular/Rectangular frame of same size as plates by point welding (frames made by thorough welding of 25mmX25mmX3mm MS angle covering all sides of the plates and maximum 150mm center to center in the middle of frames in each vertical & horizontal directions), Plates are fitted with 50mm dia & 2.90mm thick MS pipes by continuous welding, including cutting of MS angle at touched point of MS pipe, including cost of providing 200mm long 4 nos. 12mm dia anchor bars be fitted at the lower part of the GI pipes by welding, making finishing, grinding and carrying to the working sites, the post firmly fixed to the ground by means of properly deigned foundation with cement concrete of minimum cylinder crushing strength of concrete 17.0Mpa at 28 days of curing (Suggested Mix Proportion 1:2:4), 60cm below the ground level, the signs properly erect in correct position, true to line and length, including two coats of painting with best quality synthetic enamel paint of approved brand & printing with retro-reflective paint of different approved colour, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge. Rate is inclusive of cost of all materials, labour and all incidental charges in this connection. 435mm X 500mm Square with 435mm X 202mm supplementary Plate (For Informative Sign)	each	0.-1000				0.000	10.00	0.000		

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
36.	3.01.3.3.01	BC&SGP(300mm): Earth work in box cutting up to 300mm depth & Preparation of sub-grade by excavating road crest another 300mm depth, removing soils to a safe distance or spreading the excavated earth on road flanks, slopes. In preparing 300mm sub-grade below the box, excavating top 150mm layer and excavated earth set aside to reuse, then scarifying the bottom 150 mm layer, breaking clods to 40mm maximum in size, leveling, dressing, watering to OMC ± 2% & compacting the 1st layer by appropriate mechanical means to attain design CBR at specified degree of compaction, subsequently prepare 2nd layer by spreading aside materials on top of prepared 1st layer, removing all deleterious material breaking clods, leveling, dressing, watering to OMC ± 2% and compacting the layer following the same procedure as 1st layer to attain design CBR including maintaining proper grade, camber and alignment, super elevation on curves etc. all complete as per direction of the E-I-C. (When in-situ sub grade materials is suitable but very loose) Degree of Compaction: Minimum 98% of MDD (Standard Proctor)	sqm	ch.0-1000	1000.000	2.000		2000.000	1.00	2000.000		
										2000.000	**136.55**	**273100.00**
37.	3.04.3.2	EE(125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & maintaining grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	m	ch.0-1000m	1000.000			1000.000	1.00	1000.000		
				link ch 0-1226	1226.000			1226.000	1.00	1226.000		
										2226.000	**239.64**	**533438.64**
38.	3.04.1.2	PiEE(125mm): Labour charge for picking up the existing brick on end edging (125mm across) including staking the materials at a specified distance, etc. all complete as per direction of the E-I-C.	m	ch.0-90m	90.000			90.000	2.00	180.000		
				Ch 120-380	260.000			260.000	1.00	260.000		
				Ch 460-620	160.000			160.000	2.00	320.000		
				Ch 756-840	84.000			84.000	2.00	168.000		
				Ch-905-1000	95.000			95.000	2.00	190.000		
				Link				0.000	1.00	0.000		
				Ch 85-120	35.000			35.000	2.00	70.000		
				Ch 150-300	150.000			150.000	2.00	300.000		
				Ch 460-912	452.000			452.000	1.00	452.000		
				Ch 1100-1226	126.000			126.000	2.00	252.000		
										2192.000	**16.56**	**36299.52**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
39.	3.11.33.02	Brick (BP-TW): Construction and Installation in position brick palisading work as per standard drawing enumerated in Appendix-6 (type design for protective work) with 375mm thick Brick Masonry work upto 500 mm height from bottom & rest 500 mm height 250mm thick Brick Masonry work and Pre cast RCC Post of 03 (three) meter long (150mmX150mm) and capping beam (200mmX150mm) using 20mm down graded crushed stone chips (LAA value not exceeding 30), sand (minimum FM 2.5) and cement conforming to BDS EN 197-1 : 2003 CEM-II/A-M 42.5N to attain a minimum 28 days cylinder crushing compressive strength 25.00 Mpa (mixing ratio 1:1.5:3 & maximum water cement ratio 0.4) as per standard practice of code AASHTO/ASTM including supplying, fabricating and binding of 400/420 Grade MS deformed bar of required size, length and spacing. The pre-cast post must be driven by suitable monkey/drop hammer in 5/6 th of its total length @ 1 m c/c into the ground laying on proper alignment. Brick Masonry work in cement mortar (1:3), filling the interstices tightly with mortar, raking out joints, cleaning and soaking bricks at least for 24 hours before use, washing of sand, including flush pointing at front face of the brick wall with cement mortar (1:2), curing for requisite period, including excavating minimum 575mm depth foundation trenches for brick wall and laying one layer polythene sheet, casting 75mm thick cement concrete (1:3:6) below the 375 mm brick work by means approved designed including form work, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge. (Unit cost includes Brick wall, all casting work, reinforcement, its fabrication, shuttering, curing for 28 days, driving of the post, lab testing charges as per design and all other incidental charges, etc.) without capping beam	m	Ch 635-657 R/S	22.000			22.000	1.00	22.000		
				Link Ch 120-147 L/S	27.000			27.000	1.00	27.000		
				Ch 310-355 L/S	45.000			45.000	1.00	45.000		
				Ch 440-457 L/S	17.000			17.000	1.00	17.000		
										111.000	**7962.08**	**883790.88**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
40.	2.02.3.04	EFW(CE): Earth filling work with specified soil in any type of embankment, where earth shall be carried by truck/boat or any other means, supplied at contractor's own cost including royalty, cutting, carrying, filling and compacting to 85%/95%/98% of Maximum Dry Density (MDD) at Optimum Moisture Content (OMC), with reference to laboratory density test AASHTO standard hammer by throwing earth in layers not more than150mm in proper alignment, grade, camber and side slope in all types of soil except rocky, gravelly and slushy including benching not more than 300mm in vertical and 600mm in horizontal steps along the sides while widening any embankment, with clod breaking to maximum size of 100mm, benching the side slopes, removing roots and stumps of trees of girth upto 200mm and other foreign particles, stripping/ ploughing the base of embankment and borrow pit area, dug bailing, clearing jungles, bail out of water, rough dressing including 150mm cambering at the centre of crest with all leads and lifts complete (compaction will be done by the contractor with approved equipment including all ancillary charges for compaction and testing) as per direction of Engineer in charge. Payment will be made on compacted volume. The item is applicable when earth is supplied and arranged by the contractor from a distance beyond 200m from the end of right of way. Within municipal area, 85% Compaction	cum	Palisading Area				0.000	1.00	0.000		
				Ch 635-657 R/S	22.000	1.500	1.250	41.250	1.00	41.250		
				Link Ch 120-147 L/S	27.000	1.500	1.250	50.625	1.00	50.625		
				Ch 310-355 L/S	45.000	1.500	1.250	84.375	1.00	84.375		
				Ch 440-457 L/S	17.000	1.500	1.250	31.875	1.00	31.875		
										208.125	**369.41**	**76883.46**

Part : 3 TOTAL : 21,841,108.81

Part : 4

Scheme Code : 24190-24-10007
Road Code : 24190
Financial Year : 2023-2024
Name of the Scheme : Part: 2 (Road)
A) Re-habilitation of Poura Bhaban road by BC with streetlight and drain with footpath(ch.0+000 to 2+400m) Under Benapole pourashava ,sarsha ,jashore .

Scheme Preparation Date : 05-Sep-2023
FY & Type of Rate : 2022-2023 [Feb-23] (General)
District : JASHORE
Upazila : SARSHA

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
41.	3.10.01.2	HBPMM: Preparation of hard bed by scarifying and loosening of existing top (bituminous) surface, including base/sub-base course materials up to the depth of 75mm (minimum) using mechanical means, breaking dismantled material into specified sizes (less than 40mm), with supplying of extra fresh base course materials of required specification (if required) including spreading, leveling, dressing of loose material uniformly for maintaining camber & grade, watering if needed, rolling with 8 to 10 MT road roller to give compaction to 100% of MDD as obtained by standard proctor test etc. all complete in all respect as per direction of the Engineer-in-charge. (Rate is excluding the cost of additional material supplied)	sqm	ch.0-1520	1520.000	6.000		9120.000	1.00	9120.000		
										9120.000	**34.92**	**318470.40**
42.	3.10.02	SB: Providing and applying sand blinding with sand of minimum FM 0.80 @0.005 cum per sqm on prepared road surface, including supplying of all material, their carriage, labours, tools and equipment, etc. all complete in all respect as per direction of the Engineer-in-charge.	sqm	ch.0-1520	1520.000	6.000		9120.000	1.00	9120.000		
										9120.000	**5.33**	**48609.60**
43.	3.05.7.1.01	WBMBC: Providing compacted brick aggregate base course, including supplying, spreading and compacting 50mm downgraded crusher run 1st class and Picked brick chips (LAA value not exceeding 40%) including supplying of required amount of 12mm downgraded chips made of same quality bricks, including spreading uniformly in layers of specified loose thickness on road surface maintaining grade, camber and super elevation including local handling, hand packing, booming, watering, dry rolling followed by wet rolling in layers with 8~10 tonne road roller to attain each layer's minimum soaked CBR 80% or Design CBR at specified degree of compaction, including supplying choking/screening material as filler material @0.018cum/sqm or as required including cost of materials, labours etc. all complete as per direction of the E-I-C. After adequate dry rolling spreading of choking/screening material on the surface, sprinkling water and rolling is to be continued until all the voids are filled, wave of grout/slurry flushes ahead of the roller. Thickness of each layer should not be more than 100mm loose and measurement for Payment will be made on compacted thickness. Degree of Compaction: Minimum 98% of MDD (Modified Proctor)	cum	ch.0-1520	1520.000	6.000	0.150	1368.000	1.00	1368.000		
				Side road	50.000	3.000	0.075	11.250	1.00	11.250		
				Ch 380-626	246.000	6.000	0.050	73.800	1.00	73.800		
										1453.050	**6677.63**	**9702930.27**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
44.	3.06.1.2	PCMD@1.2: Providing Prime coat @1.2 liter/sqm with cut back bitumen to be prepared by cutting back 60/70 penetration grade straight run bitumen (conforming to the requirements of ASTM/ AASHTO in the ratio of 100 parts by volume of bitumen to 40-60 parts by volume of kerosene depending on the porosity of the surface and will be decided by field trials, the correct quantity that is completely absorbed within 24 hours including carefully cleaning of the surface of the granular base material to be primed and spraying cut back bitumen at a temperature from 100°C to 120°C by mechanical distributor, etc. complete as per direction of the E-I-C.[Retail]	sqm	ch.0-1520	1520.000	6.000		9120.000	1.00	9120.000		
				Side road	50.000	3.000		150.000	1.00	150.000		
										9270.000	**157.15**	**1456780.50**
45.	3.06.5.2	40mmDC (BG-60/70): Providing 40mm thick (minimum) compacted pre-mixed bituminous surfacing - wearing course with 25mm downgraded crushed stone chips (LAA value <= 30%) complying with the specified grading requirement of the relevant item of Road Design standards, water absorption not >2%, flakiness index not >35% mixed with 60/70 penetration grade straight run bitumen satisfying the requirements of ASTM/AASHTO. The bitumen and stone-chips shall be separately heated to a temperature 140°C – 155°C and 150°C – 170°C respectively before mixing. The mixing shall be done at temperature between 140°C – 160°C at a separate place away from the fire. The bitumen and stone-chips mixture shall be laid uniformly on the road surface in single appropriate layer to give specified compacted thickness, maintaining specified camber, grade and super-elevation. The mixture should be rolled at a temperature not below 90°C with appropriate Steel Drum Roller (3-5 tons) & pneumatic multiple tire roller (8-10 tons) to full compaction, including supplying of all materials, their carriage, labourers tools and equipment etc. all complete as per the direction of the E-I-C. The bitumen in the mix shall be between @ 5.0% to 5.5% by weight of total mix or as determined by job mix design. (In order to achieve the specified grading a blending of nominal maximum size of 25mm, 19mm, 12mm, 6mm crushed stone chips and stone dust is suggested and proportion will have to determine by the laboratory analysis).[Retail]	sqm	ch.0-1520	1520.000	6.000		9120.000	1.00	9120.000		
				Side road	50.000	3.000		150.000	1.00	150.000		
										9270.000	**994.68**	**9220683.60**
46.	1.02	Project Profile Signboard: Providing and fixing of typical project profile signboard as per direction of E-I-C, to be placed at a suitable place of the site including submission of proposals for the materials & size of the signboards (recommended size: 1800mm x 1200 mm with 2 nos. 75mm dia. MS post, outer & inner frames of board shall be 50mm x 50mm x 5mm & 25mm x 25mm x 5 mm respectively) and text layout to the engineer for approval which will be positioned as directed by the engineer and removing the same on completeion of the works or as instructed by the E-I-C. Sheeting will be made of encapsulated lens with retro-reflective type and messages/ borders will be screen printed. The text shall mention among others the name of the project, name of the implementing agency, cost of the project, completion time, name of the contractor etc.	sqm		1.800	1.200		2.160	1.00	2.160		
										2.160	**16755.53**	**36191.94**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
47.	1.11	Photography: Shooting of still photographs by professinal photographer at outdoor and indoor of construction and other works of building, bridges, roads etc. for recording the progress of works at any distances including hiring of vehicle, equipment for photo shooting, lightening, mixing, lettering, editing including cost of digitized media & min. 10 nos.4R images printed on photo paper etc. all complete as per direction of E-I-C.	hour	still photographs				3.000	1.00	3.000		
										3.000	**441.73**	**1325.19**
48.	1.09	Providing 3 sets as-built drawings subject to Engineer's approval produced in AutoCAD software in 584.5 mm x 413.5 mm (A-2 size) standard drawing paper, and operating and maintenance manual of the equipment and plant incorporated in the works, if any, in original by the date stated in the particular conditions of contract (PCC). If the contractor does not supply the as-built drawings and operating & maintenance manuals by the date stated in the particular conditions of contract (PCC), or they do not receive the Engineer-in-charge's approval, the Engineer-in-charge shall withhold the amount stated in the PCC from the payments due to the contractor. The as-built drawings must show the permanent works as actually constructed and reflect the revision of drawings supplied to the contractor during the Contract as well as revisions of drawings supplied to the contractor during the contract. (One set of as-built drawings shall be considered for measurement and payment) [PWD 01.2.1]	ɔer tende					1.000	1.00	1.000		
										1.000	**28256.00**	**28256.00**
49.	3.12.08.02	RMP(By-TPC): Providing and applying road markings of center line and stop line etc. With minimum 5 to 6 mm thick hot applied white/yellow thermoplastic compound (The materials shall comply with BS3262:1987' Specification for Hot-applied Thermoplastic Road Marking Materials') by special applicator machine on road/plain surface, including cleaning the surface of all dirt, oils, grease, dust and other contaminants,demarcation at site and traffic control involved, the finished surface to be level, uniform and free from streaks and holes, etc. all complete in all respect as direction of the Engineer-in-charge. Rate is inclusive of cost of all materials, labour machinery, lighting, guarding, maintenance of diversion and all incidental charges in this connection.	sqm	ch.0-2400m	2400.000	0.100		240.000	3.00	720.000		
										720.000	**951.07**	**684770.40**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
50.	3.12.04.3	CRS-Plate: Providing and fixing of retro-reflectorized cautionary, mandatory and informatory sign as per standard drawing enumerated in Appendix-6 (type design for Traffic Signs) made of 18 BWG M.S. sheet of equilateral triangle/Circular/Rectangular plates of different sizes as mentioned in the drawing fitted with MS triangular/Rectangular frame of same size as plates by point welding (frames made by thorough welding of 25mmX25mmX3mm MS angle covering all sides of the plates and maximum 150mm center to center in the middle of frames in each vertical & horizontal directions), Plates are fitted with 50mm dia & 2.90mm thick MS pipes by continuous welding, including cutting of MS angle at touched point of MS pipe, including cost of providing 200mm long 4 nos. 12mm dia anchor bars be fitted at the lower part of the GI pipes by welding, making finishing, grinding and carrying to the working sites, the post firmly fixed to the ground by means of properly deigned foundation with cement concrete of minimum cylinder crushing strength of concrete 17.0Mpa at 28 days of curing (Suggested Mix Proportion 1:2:4), 60cm below the ground level, the signs properly erect in correct position, true to line and length, including two coats of painting with best quality synthetic enamel paint of approved brand & printing with retro-reflective paint of different approved colour, etc. all complete in all respect as per approved drawing, specification and direction of the Engineer-in-charge. Rate is inclusive of cost of all materials, labour and all incidental charges in this connection. 435mm X 500mm Square with 435mm X 202mm supplementary Plate (For Informative Sign)	each					0.000	7.00	0.000		
51.	RUTDP-23.01	Providing and maintaining temporary semi pucca site office with necessary furniture, sanitary & electrical/power facilities, water supply arrangement, office and survey equipment for the use of the Engineer and his staff, all complete including removal of structures and restoration of the site on completion of the work. The contractor shall submit the detailed plan and drawing of the site office for approval of the engineer. The site office should be provided with sufficient natural light, heat protecting celling, dam proofing etc. as per direction of E-I-C. All materials, equipment and plant, furniture, fitting recovered from dismantling the office and removing access road will be the property of the contractor upon completion of the work. The contractor will responsible for maintaining the facilities of site office in good condition throughout the contract period and payment of this item shall be made only with the finall bill. (i) Area of Field Office: 30 Sqm.	LS						1.00		**150000**	**150000.00**
52.	RUTDP-23.02	Labour shed for works (carryout all proposed Mitigation and Enhancement measures against construction activities) as specification the EMP table under particular specification of the document.	LS						1.00		**80000**	**80000.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
53.	3.04.3.2	EE(125mm): Brick on end edging (125mm across) with 1st class/picked bricks including cutting trenches true to level & maintaining grade, removing earth, re-filling & ramming the sides properly, including supplying and filling the gaps with local sand, etc. all complete as per direction of the E-I-C.	m	ch.0-1520 L/S	1520.000			1520.000	1.00	1520.000		
										1520.000	**239.64**	**364252.80**
54.	3.04.1.2	PiEE(125mm): Labour charge for picking up the existing brick on end edging (125mm across) including staking the materials at a specified distance, etc. all complete as per direction of the E-I-C.	m	ch.0-120m L/S	120.000			120.000	1.00	120.000		
				ch.195-235m L/S	40.000			40.000	1.00	40.000		
				ch.305-400m B/S	95.000			95.000	2.00	190.000		
				Ch 480-420 L/R	60.000			60.000	1.00	60.000		
				Ch 695-1020 B/S	325.000			325.000	2.00	650.000		
				Ch 1150-1420 B/S	270.000			270.000	2.00	540.000		
										1600.000	**16.56**	**26496.00**
55.	3.02.1.1	Sand (FM 0.50) filling on the road bed in the improved sub-grade with sand (minimum FM 0.5) free from dust, earth, other vegetable growth, foreign materials etc. including supplying all materials, spreading, watering, compacting by appropriate mechanical means to obtain a minimum Soaked CBR 8% or Design CBR at minimum compaction 98% of Maximum Dry Density (MDD) (Modified Proctor), etc. all complete as per direction of the E-I-C.	cum	ch.1520-2400	880.000	1.000	0.250	220.000	1.00	220.000		
										220.000	**938.81**	**206538.20**

Part : 4 TOTAL : 22,325,304.91

Part : 5

Scheme Code : 24190-24-10009
Road Code :
Financial Year : 2023-2024
Name of the Scheme : Street Light
Improvement of Doulatpur road by BC with streetlight and drain with footpath (0+000m to 1+270m.), with Doulatpur Choto Achra link road (Ch. 0+000m to 1+226m)

Scheme Preparation Date :
FY & Type of Rate : 2022-2023 [Feb-23] (General)
District : JASHORE
Upazila : SARSHA

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
56.	8.02.2	Supplying and fixing of almirah type 18 SWG metal board of depth 228mm (6") duly painted with powder coating with epoxy polyester resin on all surfaces of board (gray / off-white) having built in push type / suitable locking arrangement including metal bridges of suitable size for fixing of all electrical control devices complete with suitable anchoring arrangement in wall / column and keeping provision for cable inlets and exits as required (only front surface of the board will be considered for measurement) accepted/approved by the Engineer-in-charge.With water tight arrangement.[PWD-4.9.2]	sqm					1.000	1.00	1.000		
										1.000	**17547.00**	**17547.00**
57.	8.03.3.1	ENERGY METER Providing & fixing 415V + 10%, 50Hz three phase electronics digital energy meter (KWH meter) steel body with glass cover on prepared board inconformity with BDS IEC standard. [PWD-21.22.3 10-100 Amps (Single Tariff) [PWD-21.22.3.1]	each					1.000	1.00	1.000		
										1.000	**6587.00**	**6587.00**
58.	8.04.1.1	Circuit Breaker (SPMCB) Providing & fixing on a prepared board 250 volt grade following single pole miniature circuit breaker (SPMCBs) having minimum breaking capacity 6-KA / I0 KA with thermal over-current and instantaneous electromagnetic short circuit release provision as per BDS IEC and IEC / VDE / NEMA / BS / JIS standard.SPMCBs accepted / approved by the Engineer-in-charge.[PWD-4.4.1] 5 – 40 Amps (minimum 6 KA) MCB[PWD-4.4.1.1]	each					1.000	8.00	8.000		
										8.000	**779.00**	**6232.00**
59.	8.04.3.1	TPMCCB Providing & fixing on a prepared board 500 volt grade following triple-pole molded case circuit breaker (TPMCCB) with thermal over-current and instantaneous electromagnetic short circuit release provision, Manufactured / Assembled and tested in accordance with IEC / VDE / NEMA / BS / JIS along with relevant BDS IEC standard.TPMCCBs accepted / approved by the Engineer-in-charge. [PWD-4.6.1] 15 - 100 Amps. (Minimum 10-KA) [PWD-4.6.1]	each					1.000	2.00	2.000		
										2.000	**7464.00**	**14928.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
60.	8.05.05.2	SURFACE WIRING (BYA) (THROUGH PVC CONDUIT) Surface conduit wiring with the following PVC insulated cable (BYA) & PVC insulated Green / Yellow bi-colour ECC wire (BYA) through PVC conduit of reputed manufacturer complete with 18 SWG GP sheet pull box with 3mm thick ebonite sheet cover, fixing materials, other accessories etc. including mending the damages good as required. All electrical contacts shall be of brass / copper connected through connector or soldering (no twisting shall be allowed) and cables shall be manufactured and tested according to IEC / BS / VDE standards along with relevant BDS standard as per detailed specification mentioned in Annexure-1. The work shall be carried out as per direction & approval of the Engineer In Charge. Cable manufacturer(s) must have valid type test certificate (within last seven years) from internationally accredited laboratory (like CPRI, KEMA etc.) accepted / approved by the Engineer In Charge[PWD-1.11.2] 1C-2x2.5sqmm (BYA) cable with 2.5sqmm (BYA) ECC wire through PVC pipe of minimum inner dia 25 mm having wall thickness of 1.7 mm	m					500.000	1.00	500.000		
										500.000	**235.00**	**117500.00**
61.	8.05.06.06	SURFACE WIRING (NYY) (THROUGH PVC CONDUIT) Surface conduit wiring with the following PVC insulated and sheathed stranded cable (NYY) / XLPE insulated and PVC sheathed stranded cable (2XY) & PVC insulated Green / Yellow bi-colour ECC wire (BYA) through PVC conduit of reputed manufacturer complete with fixing materials, other accessories etc. as required including mending the damages good. All electrical contacts shall be of brass / copper connected through connector or soldering (no twisting shall be allowed) and cables shall be manufactured and tested according to IEC / BS / VDE standards along with relevant BDS standard as per detailed specification mentioned in Annexure-1. The work shall be carried out as per direction & approval of the Engineer In Charge. Cable manufacturer(s) must have valid type test certificate (within last seven years) from internationally accredited laboratory (like CPRI, KEMA etc.) accepted / approved by the Engineer In Charge[PWD-1.14.2] 1C-4x25sqmm (NYY / 2XY) with 16 sqmm (BYA) ECC wire through PVC pipe of minimum inner dia 50 mm having wall thickness of 2.5 mm	m					50.000	1.00	50.000		
										50.000	**2439.00**	**121950.00**
62.	8.05.12.2	Overhead ASC Providing and drawing following PVC insulated aluminum stranded conductor in overhead line at proper sag complete with necessary GI binding wire as required as per BDS 1036. Cable manufacturer(s) must have valid test certificate from internationally accredited laboratory (like CPRI, KEMA etc.) accepted / approved by the engineer [PWD-3.11.2] IC-50 sq.mm (ANT)	m					1100.000	5.00	5500.000		
										5500.000	**117.00**	**643500.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
63.	8.07.1.01	EARTHING Earthing the electrical installation with 40 mm (1.5") dia G.I. pipe (earth electrode) having 6.35 mm. dia hole across the pipe at 305 mm. interval securely bonded by soldering with 2 nos. of No-2 SWG HDBC earth leads (at the top of the electrode) with its protection by 20 mm. (3/4") dia G.I. pipe up-to plinth level run at a depth of 609.6 mm (2 ft) below G.L up-to main board to be earthed including necessary connecting copper sockets, bolts, nuts, etc. complete for maintaining earth resistance within 1 ohm. [PWD- 4.19] Depth of bottom of main electrode at 12954 mm. (42.5 ft) from GL & length of electrode 12192 mm. (40 ft). [PWD-4.19.2]	set					1.000	1.00	1.000		
										1.000	**29449.00**	**29449.00**
64.	8.10.23	GI POLE(30') Providing following seamless GI pole fabricated with GI pipe complete with GI sockets, MS. base plate, top cover, necessary welding as required:-Total length-30'; Dia-6"; Length-20'; Thickness-4mmDia-4"; Length-10'; Base plate-2'×2'×.25"[PWD- 3.2.3]	each					52.000	1.00	52.000		
										52.000	**29213.00**	**1519076.00**
65.	8.10.54	STREET LIGHT FITTINGS (LED) Supply & fixing LED street light fittings of following specifications:Luminous efficacy: 100lm/w(minimum), Power Factor: minimum 0.95Colour Rendering Index(Ra) :70≤Ra<85Driver: Should be of IEC standard such as MEANWELL/OSRAM/ENERGY+/SIGNIFY(PHILIPS) or equivalent.LED chips :EPISTAR / OSRAM / SIGNIFY(PHILIPS) / CREE / BRIDGELUX or equivalent.Colour temperature : 3500K-6500K (Warm-White) Material: Aluminium aloyModel & sample to be accepted / approved by the Engineer-in-charge (with 2 years warranty). GLORIA cat No- GLST. 1205 Energy+ EPSTL-18001 Cosmo BDTCL-LSTL-02Cosmo BDTCL-LSTL-03 Asha Cat No. ACS-LSL 2343 Muspana Cat No MPSL100DLor equivalent products of SUNKO/Annyesha/SHWASH/Crescent or equivalent foreign made.150 W[PWD- 6.8.3.1.2]	each					52.000	1.00	52.000		
										52.000	**11344.00**	**589888.00**
66.	PWD-3.17.2	SERVICE BRACKET Providing and fixing of 1524 mm (5') long 38.1 mm (1.5") dia GI. Pipe service bracket complete with 1 no. of GI bend 2 nos. fixing clamps of 38.10 mm x 6.35 mm (1.5" x ¼") size iron flat bar bolts, nuts etc. complete as required. [PWD-3.17.2]	each					52.000	1.00	52.000		
										52.000	**1558.00**	**81016.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
67.	PWD-3.7.2.1	POLE ERECTION Erection of following tubular pole up to 1524 mm (5') depth by placing the pole base on one layer of 1st. Class brick flat soling over 76.2 mm (3") sand bedding and making 1:2:4 (1.5' x 1.5' x 6') CC work around the pole up to 5' below GL and 1' above GL,12.5 mm (1/2") thick cement plaster with neat cement finishing over concrete surface above GL including proper curing, excavation & refilling and ramming the loose soil etc. as required. 9144 mm (30') long MS / GI / RCC / spun PC pole [PWD-3.7.2.1]	each					52.000	1.00	52.000		
										52.000	**3082.00**	**160264.00**
68.	PWD- 3.8.2	WIRE RACK/CROSS ARM Providing and fixing 1219 mm (4'-0") long 4 spool vertical wire rack fabricated with 38.10 mm x 76.2mm x 38.1 mm x 6.35 mm (1.5" x 3" x 1.5" x 0.25") MS channel complete with 4 no's of 'U' clamp and 2 no's of 'D' clamp made of 25.4 mm x 6.35 mm (1" x ¼") flat MS bar for fixing insulators and clamping the rack respectively including necessary welding, GI nuts, bolts, washer etc. with two coats of aluminum painting over prime coat of red oxide painting . [PWD- 3.8.2]	each					52.000	1.00	52.000		
										52.000	**982.00**	**51064.00**
69.	PWD-4.1.2	SUB DISTRIBUTION BOARD (SDB) Providing & fixing 250V, 50 Hz grade following concealed type sub-distribution board made of 18-SWG MS sheet complete with hinged type door, built-in type locking arrangement, one no. 60 A capacity bus-bar with required no. of holes thereon on insulators at both ends, copper blocks for neutral and earth terminal, SPMCBs Manufactured / Assembled and tested in accordance with IEC / VDE / NEMA / BS / JIS along with relevant BDS IEC standard having minimum breaking capacity 6 / 10-KA with thermal over current and instantaneous electromagnetic short circuit release, necessary arrangement for fixing of MCBs duly painted with powder coating with epoxy polyester resin on all surfaces of board (gray / off-white) etc. In front side there will be tempered thick fiber glass of minimum 8 mm thickness with rubber gaskets etc. with SPMCBs accepted / approved by the Engineer-in-charge. 4-Way SDB (with box size minimum 220mmx 132mmx148mm)in-coming : 1 x 30 amps (6 KA) & out-going :4 x 5 / 10 / 15 amps SPMCB (6 KA) . [PWD-4.1.2]	each					52.000	1.00	52.000		
										52.000	**5037.00**	**261924.00**
70.	PWD-4.29.6	MAGNETIC CONTACTORS Supply & fixing 415 / 400/ 380 V magnetic contactors for AC3 duty having control circuit voltage 380-415V / 220-240V, 50Hz. SIEMENS / SCHNEIDER / TELEMECANIQUE / ABB / DORMAN SMITH / VITZRO as per International Standard or equivalent brand accepted / approved by the Engineer-in-charge of the following ratings . 80A (Ith 125A) magnetic contactor [PWD-4.29.6]	each					1.000	1.00	1.000		
										1.000	**29449.00**	**29449.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
71.	PWD-4.30.10	THERMAL OVERLOAD RELAY Supply & fixing 415 / 400 / 380 V, 50 Hz thermal overload relay suitable for use with magnetic contactors accepted/approved by the Engineer-in-charge of the following ratings . 90-110A [PWD-4.30.10]	each					1.000	1.00	1.000		
										1.000	**12270.00**	**12270.00**

Part : 5 TOTAL : 3,662,644.00

Part : 6

Scheme Code : 24190-24-10010
Road Code : 24190
Financial Year : 2023-2024
Name of the Scheme : Environmental Management
(i) Re-habilitation of Poura Bhaban road by BC with streetlight and drain with footpath(ch.0+000 to 2+400m) Under Benapole pourashava ,sarsha ,jashore .
(ii)Improvement of Doulatpur road by BC with streetlight and drain with footpath (0+000m to 1+270m.), with Doulatpur Choto Achra link road (Ch. 0+000m to 1+226m)

Scheme Preparation Date : 11-May-2025
FY & Type of Rate : 2022-2023 [Feb-23] (General)
District : JASHORE
Upazila : SARSHA

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
72.	eme-1	Dust suppression measures by water spraying throughout the construction period in and aro	LS						1.00		**50000**	**50000.00**
73.	eme-2	Air quality (SPM, PM 10, PM 2.5) measurement. Measurements can be measured from the pre-approved public institute/university at four locations in and around the subproject boundary twice during the construction phase for overall subproject construction activities.	each					1.000	12.00	12.000		
										12.000	**10000.00**	**120000.00**
74.	eme-3	Noise level measurement. Measurements will be taken from the pre-approved public institute/university at six locations in and around the subproject boundary twice during the construction phase for overall subproject construction activities.	each					1.000	6.00	6.000		
										6.000	**5000.00**	**30000.00**
75.	eme-4	Water quality (pH, BOD5, and NH3) measurement of the 6 outfalls & 2 locations at sources for drains. Measurements will be taken from the pre-approved public institute/university once during the construction period.	each					1.000	12.00	12.000		
										12.000	**10000.00**	**120000.00**
76.	eme-5	Prevention of the spillage and leakage of polluting materials (Detailed procedure will be provided in the ESMP).	LS						1.00		**25000**	**25000.00**

SL No	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of Item	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
77.	eme-6	Campsite waste disposal facility during the construction period, including collection, transportation, and dumping of wastes at the Zidda Bazar dumping site: 2 units (1 for organic waste and 1 for inorganic waste).	each					1.000	2.00	2.000		
										2.000	**20000.00**	**40000.00**
78.	eme-7	Campsite water supply facilities: Preferably 1 tube well at the labor campsite (depending on site conditions, DSM Consultant will assist the contractor for selecting the option).	each					1.000	1.00	1.000		
										1.000	**20000.00**	**20000.00**
79.	eme-8	Campsite sanitation facilities 3 toilets preferably sanitary toilets at the labor campsite (1 for women, 2 for men)	each					1.000	2.00	2.000		
										2.000	**20000.00**	**40000.00**
80.	eme-9	Providing safety gear packages like hand gloves,spectacles for eye protection ,ear plug,helmets,maskes,visible jackets,safety shoes for atleast 50 persons (40 workers and 10 visitors)	each					1.000	50.00	50.000		
										50.000	**3000.00**	**150000.00**
81.	eme-10	One first aid box with necessary accessories(contractor isresponsible for providing necessary medicoines , saline as per requiement during contruction period.	each					1.000	1.00	1.000		
										1.000	**2500.00**	**2500.00**
82.	eme-11	Tree plantation to compensate the felled down trees and enhance the ecological condition in the subproject area preferably local fruits, flowers, medicinal, and ornamental trees - Mango/Jam/Jackfruit/Kathbadam/Shimul/Polash/Jarul/Sonalu /Kadom/Satim/Kanth Golap/Neem/Arjun/Amloki/Horitoki/Bohera/Mahogany/Shil Koroi/Babla/Rain Tree/Gamari/Segun/Garjan/Bannyan Tree/Palm Tree(including protection,fencing and conservation during project defect liability period): Tree plantation detailed will be given in the ESMP	each					150.000	1.00	150.000		
										150.000	**750.00**	**112500.00**
83.	eme-14	Cautionary signs -12 nos(detailed specifications will be given in the ESMP)	each					1.000	12.00	12.000		
										12.000	**2500.00**	**30000.00**

Part : 6 TOTAL : 740,000.00

TOTAL PACKAGE AMOUNT: 139,176,355.78

SAY: 139,176,356.00

In Word : Taka (Thirteen Crore Ninety-One Lac Seventy-Six Thousand Three Hundred Fifty-Six) Only

ESTIMATED VALUE OF RECOVERED MATERIAL

Item Code	Recovered Material					Usable Material		Salvage Cost
	Type of Material	Unit	Item Rate	@ Qty	Total Qty	In %	In Qty	
Scheme Code : 24190-24-10004								
1. 3.04.1.2	1st Class Brick	each	14.1875	13.000	28496.000	100.00%	28496.000	404287.00
							Sub Total :	**404287.00**
Scheme Code : 24190-24-10007								
1. 3.04.1.2	1st Class Brick	each	14.1875	13.000	20800.000	100.00%	20800.000	295100.00
							Sub Total :	**699387.00**
							Total :	**699387.00**
							SAY :	**699387.00**

In Word : Taka (Six Lac Ninety-Nine Thousand Three Hundred Eighty-Seven) Only

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SAE
Pourashava, Benapole
JASHORE

(----------)
AE
Pourashava, Benapole
JASHORE

15.05.25
Md. Mofizur Rahman
Draftsman
Benapole Municipality.

15.5.25
Md. Mosharaf Hossain
Executive Engineer
Benapole Pourashava

15.05.25
Md. Shoukat Mehedi Setu
Chief Executive Officer
Benapole Paurashava.

15.5.25
Kazi Nazib Hasan
Administrator
Benapole Pourashava.