

Office of the Executive Engineer
MODS Zone-4, Dhaka WASA
Darus Salam Road, Mirpur, Dhaka

Estimate

Name of work: Repairing of leakage and Removal of polluted water at West Shewrapara, Shewrapara Ananda bazar, South-West Shewrapara and its surrounding area under MODS Zone-4, Dhaka WASA.

SL No	Item Code	Description of the item	Unit	Quantity	Rate(Tk.)	Amount (Tk.)
1	1.3	Supply & lay unpracticed polyvinyl chloride DI/GI/MS Water pipe line in accordance with the technical specification and the standard details drawing of any diameter and to the depth specified below. The rate to include for excavation in all kind of soil except rock to the full depth of trench required by the specification (including allowances for the bedding materials) de-watering of the trench to keep the trench in a dry condition at all times the preparation of trench bottom, provision & laying of sand bedding & surrounding materials including boxing if required up to a depth of 1.2 M transport to site, Laying jointing and cleaning of the water pipe lines, back filling of the trench with selected excavated earth to the temporary road reinstatement, removal and disposal of surplus excavated materials and transporting back the surplus materials to Dhaka (cost of excess excavated earth shall be deducted from the contractors bill as per rate mentioned in the departmental materials schedule).				
		(b) 150 mm dia "C" class pvc pipe	P/M	32	805.001	25760.03
2		(c) 200 mm dia "C" class pvc pipe	P/M	16	1216.001	19456.02
3		(e) 300 mm dia "C" class pvc pipe	P/M	12	2678.001	32136.01
4	2.12	Extra-over item 1 for supply (fittings described in schedule of requirement Annex -) and lay of uPVC/ DI/ MS fittings as per specifications and direction of Engineering in charge.				
		PVC bend 90° "C" class 150mm Dia	P/Nr	6	1130.001	6780.01
5		PVC bend 90° "C" class 200mm Dia	P/Nr	8	2004.001	16032.01
6	2.15	(c) 150×150×150mm dia pvc Tee	P/Nr	6	1028.001	6168.01
7		(e) 200×150×200mm dia pvc Tee	P/Nr	8	1489.001	11912.01
8		(b)PVC End Cap 150mm "C" Class	P/Nr	20	512.001	10240.02
9		(c)PVC End Cap 200mm "C" Class	P/Nr	13	847.001	11011.01
10		Extra-over item I for supply and lay of cost iron/M.S/G.I fitting for PVC D/ I fitting in accordance with the technical specification				
		a) 200 mm dia service clamp	Pair	20	550.001	11000.02
11		b) 150 mm dia service clamp	Pair	14	450.001	6300.01
12	4/2	Extra-over item I for supply and lay of Ductile/cost iron dresser type flexible coupling/adapters for the pipe materials and diameter given below in accordance with the technical specification and the standard detail drawing.				
		b) 150 mm dia C.I D/C coupling	P/Nr	18	1227.001	22086.02
13		c) 200 mm dia C.I D/C coupling	P/Nr	16	1450.001	23200.02
14		c) 300 mm dia C.I D/C coupling	P/Nr	8	2625.001	21000.01
15	2.5(PWD)	Palisading work by supplying of bitumen drum sheet walling tied with 20 BWG G.I. wire fixing the same with already driven borak bamboo posts with half split borak bamboo runners @ 450mm c/c horizontally with iron nails, G.I wire etc. all complete and accepted by the Engineer-in-charge. (Rate is excluding the cost of bamboo post).	sqm	72.96	613.001	44724.55
16	2.10.1(PWD)	Sand filling in foundation trenches and plinth with sand having F.M. 0.5 to 0.8 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.	cum	46.2696	1088.001	50341.37

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SL No	Item Code	Description of the item	Unit	Quantity	Rate(Tk.)	Amount (Tk.)
17	7	Back filling by excavated granular soil including depositing and compaction at all required depth in accordance with the technical specification by excavated soil for kutchra road surface.	cum	73.03296	207.001	15117.90
18	9	Extra over item 1 for the excavation & removal of loose soil from site and the back of the excess excavation with approved with the technical specification.	cum	121.98912	288.001	35132.99
19	16	connection of existing house service line to new water main at all depth in accordance with the technical specification for the diameter of service line given below the rate to include for plugging dewatering cleaning and unplugging of the existing service line the rate also to including for necessary diversion and pumping to keep the service line in continuous operation.				
	16/1	DN 20 to DN 25 mm dia	P/Nr	14	1216.001	17024.01
20	16/2	DN 32 to DN 50 mm dia	P/Nr	10	2021.001	20210.01
21	3.4.1(PWD)	Placing of Mass concrete 1:3:6 for the anchor blocks at all bends, tees end caps and reducers, including the supply of all materials in accordance with technical specification and direction of Engineering in charge and standard drawings. The rate to include for necessary additional excavation; supply of all materials and for the wrapping of all PVC fittings encased in concrete with two layers of heavy duty polythene sheeting.	cum	2	8886.001	17772.00
22	20	Hire charge of de-watering Pump : Bailing out of all water from pipe line trench with supply of de-watering pump required size including supplying of fuel lubricants and all other required accessories & manpower to keep the trench in a dry condition at all times etc. all completed as per direction of the E/C.	P/day	19	1862.001	35378.02
23	24.10(PWD)	Providing compacted sub-base course with well graded material of crushed well burnt picked jhama / 1st class brick bats and sand (FM 0.8) with mixing proportion 2 : 1 having compacted thickness made as per specification including local handling, spreading uniformly to proper grade camber and super elevation, packing, rolling properly with 8 to 10 ton capacity power driven road roller and watering properly for compaction of 100% MDD (standard) blinding with sand including cost of fuel, lubricants, spares, maintenance, driver etc. all complete and accepted by the Engineer-in-charge.	cum	5.7	5449.001	31059.31
24	LS	Road Safety measures and tools as per direction of Engineer in Charge	LS	1	5000.001	5000.001
Grand Total						494841.357

In Word: Four Lakh Ninety Four Thousand Eight Hundred Forty One point Three Five Seven Taka only.

07/11/23
মোঃ মাইদুল ইসলাম
উপ-সহকারী প্রকৌশলী
মডুস জোন-৪, ঢাকা ওয়াসা।

07.11.2023
সহকারী প্রকৌশলী
জোন-৪, ঢাকা ওয়াসা

07.11.2023
Md. Mazharul Islam
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MODS Zone-4, Dhaka, WASA