

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

Estimate

Name of work: Maintenance works of Delivery line, Washout Line, Gate Valve, Non-Return Valve, Bulk water meter and repairing of leakage at Delivery line of various pumps under MODS Zone-4, Dhaka WASA. (Lot-2)

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	30	805.000	24150.000
2		(c) 200 mm dia "C" class pvc pipe	P/M	18	1216.000	21888.000
3	1.8	(d) MS Pipe (Seamless) 200mm Dia	P/M	10	3888.000	38880.000
4	2.15	C200 x 200 x 200mm dia pvc Tee	P/Nr	4	1890.000	7560.000
5	3.11	Extra-Over item I for the supply lay of Ductile/cast iron /M.S./GI fittings for PVC pipes in accordance with the technical specification.				
		M.S bend 45° 200mm dia	P/Nr	6	6545.000	39270.000
6	3.12	M.S bend 90° 200mm dia	P/Nr	4	6545.000	26180.000
7	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	16	1227.000	19632.000
8		c) 200 mm dia C.I D/C coupling	P/Nr	14	1450.000	20300.000
9	5.1(b)	Extra-over item 1 for the supply (including supply of fittings described in schedule of requirement Annex---) and lay of Ductile/cast iron gate valves and fittings within chamber as per specifications and direction of Engineering in charge and the standard detail drawings within chamber as per specifications and direction of Engineering in charge and the standard detail drawings within chamber as per specifications and direction of Engineering in charge and the standard detail drawings				
		Gate valve (F.L. type) BS 5150 Local 150mm dia	P/Nr	2	18076.000	36152.000
10	5.1(c)	Gate valve (F.L. type) BS 5150 Local 200mm dia	P/Nr	2	27441.000	54882.000
11	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 borrak bamboo posts with half split borrak 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	sqm	54.72	613.000	33543.360
12	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	45.42	1088.000	49416.960

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SL No	Item Code	Description of the item	Unit	Quantity	Rate(Tk.)	Amount (Tk.)
13	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	71.65	207.000	14831.550
14	9	Extra over item I for the excavation & removal of loose soil from site and the back of the excess excavation with approved with the technical specification.	cum	119.68	288.000	34467.840
15	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	1.2	8886.000	10663.200
16	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	P/day	14	1862.000	26068.000
17	LS	Skilled Labour on daily basis for the cleaning work of Gate Valve, Non-Return Valve, Bulk water meter and necessary maintenance work as per direction of Engineer-in-charge	P/Person	28	700.000	19600.000
					Grand Total	477484.910

In Word: Four Lac Seventy Seven Thousand Four Hundred Eighty Four Point Nine One Zero Taka Only.

Kamrun Nahar
17/12/2023
কামরুন নাহার
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Md. Mazharul Islam
17.12.2023
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MODS Zone-4, Dhaka, WASA