

Section-6. Bill of Quantities (BOQ)

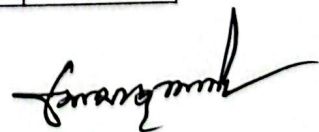
Office of the Executive Engineer
MODS Zone-9, Dhaka WASA

Estimate

Name of the Work: Repair, maintenance work of water line leakage and removal of polluted water at Holan, Noddapara area (Non-DMA) under MODS Zone-9, 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).				
		(a) 100 mm dia "C" class pvc pipe	P/M	28	391.001	10948.028
2		(b) 150 mm dia "C" class pvc pipe	P/M	22	805.001	17710.022
3		(c) 200 mm dia "C" class pvc pipe	P/M	21	1216.001	25536.021
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	4	1130.001	4520.004
5		PVC bend 90° 'C' class 200mm Dia	P/Nr	4	2004.001	8016.004
6	2.15	(a)150×150×150mm dia pvc Tee	P/Nr	5	1028.001	5140.005
7		(b)200×150×200mm dia pvc Tee	P/Nr	4	1489.001	5956.004
8	2/26	(a)PVC End Cap 100mm "C" Class	P/Nr	4	269.001	1076.004
9		(b)PVC End Cap 150mm "C" Class	P/Nr	4	512.001	2048.004
10		(c)PVC End Cap 200mm "C" Class	P/Nr	3	847.001	2541.003
11		Extra-over item I for supply and lay of cost iron/M.S/G.I fitting for PVC DI/ I fitting in accordance with the technical				
		a) 100 mm dia service clamp	Pair	12	300.001	3600.012
12		b) 150 mm dia service clamp	Pair	10	450.001	4500.010
13		c) 200 mm dia service clamp	Pair	14	550.001	7700.014





Md. Asaduzzaman
Proprietor
Azwad Associates

14	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.				
		a) 100 mm dia C.I D/C coupling	P/Nr	12	827.001	9924.012
15		b) 150 mm dia C.I D/C coupling	P/Nr	12	1227.001	14724.012
16		c) 200 mm dia C.I D/C coupling	P/Nr	16	1450.001	23200.016
17	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	cum	38.77	635.001	24618.989
18	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 kutcha road	cum	60.41	134.001	8095.000
19	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	100.91	288.001	29062.181
20	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 continues operation				
	16/1	DN 20 to DN 25 mm dia	P/Nr	10	1216.001	12160.010
21	16/2	DN 32 to DN 50 mm dia	P/Nr	10	2021.001	20210.010
22	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	cum	1.2	6647.001	7976.401
23	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	12	1862.001	22344.012
24	21	Reconstruction & repairing of service manhole (Sewer/ storm sewer pit) Reconstruction and repairing of other utilities services (Telephone/Gas/Electricity/Sewer/surface & underground drains/storms sewer pit or any other system in the pipe alignment), includes all necessary materials, cables, replacement, reinstallation, repairing of broken service manhole, sewer pit including supply of all types of cables, pipes, fittings, course & fine aggregates, bricks, cement and any other works in accordance with Technical Specification and direction of Engineering in charge, each unit includes total safety, repair, replacement of other utilities for each 100 meter pipelines alignment, all mentioned cost will be paid by Contractor.	Each	5	1500.001	7500.005
25	24.10(PWD_2018)	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,	cum	4	4041.001	16164.004
26	LS	Road Safety measures and tools as per direction of Engineer in Charge	LS	1	4000.001	4000.001

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Grand Total

299269.788

In Word: Two Lakh Ninety Nine Thousand Two Hundred Sixty Nine Point Seven Eight Eight Taka only.

Quated Rate in% (Less or Above)

1% less

TK. (In Figure)...296,277.09/-

In word: Two lac ninety six thousand two hundred seventy seven point zero nine.




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MA
16.09.25



16/9/25