

Section-06
Bill of Quantities (BOQ)

Name of the work : Leakage repair and Contaminated water removal works DMA-1009 HDPE water line under MODS Zone-10 Dhaka WASA .

Sl No	Rate Schedule	Description of the item	Quantity	Unit	Rate	Amount
1	Pre-Appr- Rate/ Anal- ysis Rate	Supply & lay unpracticed polyvinyl chloride(HDPE) Water pipe line in accordance with the technical specifications and the standard details drawing of any diameter All completed as per direction by the engineer.				
a		37 mm dia HDPE Pipe	20.00	Meter	185.001	3,700.020
b		75 mm dia HDPE Pipe	8.00	Meter	1,172.001	9,376.008
c		110 mm dia HDPE Pipe	4.00	Meter	2,024.001	8,096.004
d		160 mm dia HDPE Pipe	6.00	Meter	2,933.001	17,598.006
e		200 mm dia HDPE Pipe	4.00	Meter	4,000.001	16,000.004
2	Pre-Appr- Rate/ Anal- ysis Rate	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 (uPVC fittings mentioned in the deptt materials chart Annex - will be supplied by the DWASA.				
a		160 mm dia 90° bend	4.00	Each	2,150.001	8,600.004
a		110 mm dia 90° bend	2.00	Each	1,538.001	3,076.002
b		75 mm dia 90° bend	2.00	Each	1,130.001	2,260.002
3	Pre-Appr- Rate/ Anal- ysis Rate	Extra -over item 1 for supply and lay of Ductile/ cast iron dresser type flexible coupling/adaptors for the pipe materials and diameter given below in accordance with the technical specification and the standard detail drawing.				
a		200 mm dia HDPE Sleeve	2.00	Each	4,108.001	8,216.002
b		160 mm dia HDPE Sleeve	6.00	Each	4,108.001	24,648.006
c		110 mm dia HDPE Sleeve	6.00	Each	1,923.001	11,538.006
d		75 mm dia HDPE Sleeve	6.00	Each	1,293.001	7,758.006
e		160 mm dia HDPE Saddle	4.00	Each	850.001	3,400.004
f		110 mm dia HDPE Saddle	2.00	Each	850.001	1,700.002
g		75 mm dia HDPE Saddle	6.00	Each	680.001	4,080.006
h		20 & 25 mm dia GI Plug	2.00	Each	45.001	90.002
4	2.10.1 (PWD)	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.	60.00	Cum	1,088.001	65,280.060
5	2.9 (PW D)	Extra -over item 1 for the excavation and removal of loose soil from site and the back fill of the excess excavation with approved with the technical specification .	60.00	Cum	1,054.001	63,240.060

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Proprietor 

6	25(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 cost of bamboo post).	60.00	sqm	613.001	36,780.060
7	Pre-Approved Rate	Hire Charge of 1.5 KVA mobile Generator for power supply to drive electrofusion machine. Including fuel and operators all complete as per direction of the E/C.	12.00	Per/day	2,000.001	24,000.012
8	Pre-Approved Rate	Hire Charge of electrofusion machine to joint sleeve in the excavation. all complete as per direction of the E/C.	10.00	Per/day	1,500.001	15,000.010
9	WASA R.S-18	Hire Charge of de-watering pump. Bailing out of all 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 complete as per direction of the E/C.	12.00	Per/day	1,862.001	22,344.012
10	WASA R.S-21	Reconstruction & repair of service manhole (Drain pit) Reconstruction & repair of broken service manhole (drain pit) including supply of bricks sand cement, khoa with labor/Mistry I/C, Supply of all other materials as per direction of the E/C.	4.00	Each	1,500.001	6,000.004
11	WASA R.S-22	Constructing 30 mm clear width and depth up to 300 mm brick masonry surface drain with 125 mm thick check wall in cement mortar (1:6) on 75 mm thick cement concrete base(1:3:6) over one layer of brick fiat soling, the surface having minimums 12 mm thick cement plaster 1:3 neat cement finishing ,caring at least for 7 days in/c excavation of all kinds of soil, back filling with fine sand, consolidation and dressing	5.00	M	422.001	2,110.005
12	WASA R.S-21	Making of plug at DCC Drain pit for remove dirty water and remove the plug after completion the work including supplying of sand, jute, bag, rope G.I. Wire etc.	4.00	Each	777.001	3,108.004
13	WASA R.S-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 giver below . The rate to include for plugging, de-watering, 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.	6.00	Each	1,216.001	7,296.006
a		a)DN- 20 to DN 25 mm dia	4.00	Each	2,021.001	8,084.004
b		b)DN- 32 to DN 50 mm dia				
14	34.1(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.	5.47	cum	7833.000	42,846.510

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Proprietor

15	24 100 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, driver etc. all complete and accepted by the Engineer-in-charge.	12.00	cum	5449.001	65,388.012
16	LS	Road Safety measures and tools as per direction of Engineer in Charge.	1.00	L.S	8000.001	8,000.001
					Total Tk=	499,612.844

Tender Price quoted by the Tenderer : (% above / Less) ~~1.2%~~ Less (5995.354) Quoted Amount

Tk. In Figure : 4,93,618.490/-

Tk. In Word : Four lac ninety three thousand six hundred seventeen point four nine zero only. ~~PK~~

PK 10/9/25
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M/S. TAHIN CONSTRUCTION

[Signature]
 Proprietor