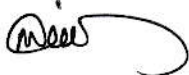


**Office of the Executive Engineer
MODS Zone-1
DHAKA WASA**

Name of Work: Repairing & Maintenance of 225mm dia Water line leakage Holding No-Loharpul Inside Police Line Road & 38 Dinnath Sen Road Area Under Mods Zone-1, Dhaka WASA.

SL No	Basis of rate	Description of item	Unit	Qty	Rate	Amount
1	2	3	4	5	6	7
1		Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract.	cum	2.25	171.00	384.75
2	1	Installation and laying of (uPVC) Unplasticized polyvinyl chloride/DI / PE /MS water pipelines (including supply of materials, fittings, Equipment described in schedule of requirement Annex -- Section—) in accordance with the technical specification and the standard detailed drawings, of any diameter specified below. The rate includes for excavation in all kinds of soil,BFS/HBB/ Bituminous Rd CC RCC rd surface except rock to the full depth of trench required by the specifications, precautions necessary to avoid damage of underground utility services, (any damage Contractor shall repair by his own cost) including removing the excavated earth & stacking the same to safe distance without any traffic obstacles, de-watering of the trench to keep dry condition at all times, including all necessary shoring, boxing, must be protected from any collapse of trench sides, preparation of trench bottom, at depth of 1.2.M ,transport (all kinds of materials, equipment, pipes & fittings) to site, laying, jointing and cleaning of the water pipes; disposal of surplus excavated material and transport back surplus materials to Dhaka WASA stores (materials supplied by Dhaka WASA described in Anexure -----) as per specifications and direction of Engineering in charge (cost of excess excavated earth would be deducted as per deptt material rate)				
	1/1.	uPVC Pipe (PN -10) (ISO 4422-2 (1996)				
	e.	225mm dia	P/M	1.3	1938.00	2519.40

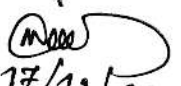


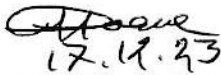


SL No	Basis of rate	Description of item	Unit	Qty	Rate	Amount
1	2	3	4	5	6	7
3	3	Extra-Over item I for the supply lay of Ductile/cast iron /M.S./GI fittings for PVC pipes in accordance with the technical specification.				
	3/14.	MS. TEE				
	f.	200X200X200mm Tee	P/Nr.	1	4683	4683.00
4	4/4.	MS dresser coupling				
	c.	200mm dia	P/Nr.	4	1840	7360.00
5		Skiled Labour	P/No	4	647	2588.00
6		Un-Skilled Labour	P/No	8	615	4920.00
7	6/b.	A)Extra-over item 1 for the supply depositing and compaction of fine sand back filling (FM 0.8) at all required depth in accordance with the technical specification and direction of Engineering in charge, and standard detail drawings for all water pipe line diameters. .	cum	2.25	578	1300.50
8	9	Extra-over item 1 for the excavation and removal of soft soil (on written permission of E/C) from the trench bottom beyond allowable depth and back fill of this by supplying, depositing and compaction in 150 mm layer of fine sand (FM 0.8) at all required depth in accordance with the technical specification and direction of Engineering in charge,	cum	2.25	331	744.75
9	16	Shifting and connection of existing Service Lines to improved systems for all depths, diameters, length up to meter chambers at consumers premises. The rate to include all necessary uPVC BS E-class pipes/ PE Pipe , excavation, PVC clamp saddles or CI clamps, quality fittings, valves, appropriate drilling system for making holes in pipes, backfilling with sand (FM 0.8), plugging, de-watering, cleaning, unplugging, fitting fixing of float valve / check valve at the end of service line(in the reservoirs), shifting or change of service meter. The contractor will responsible for work up to the meter chamber and contractor will keep record of service line shifting works. The contractor will arrange to make the meter chamber with cost of consumer if there is no chamber or poor quality chamber. The rate includes all pipes, fittings, materials (domestic meter shall be provided by DWASA), installation arrangement, for necessary diversion and provide water to consumer for disturbing period, pressure test of each connection . After completion of work, contractor will submit the list of shifting work. All works shall be done in accordance with Technical Specification, direction of Engineering in charge and approved drawings.				
	16/1	DN 20 to DN 25mm dia	Each	2	1398	2796.00

SL No	Basis of rate	Description of item	Unit	Qty	Rate	Amount
1	2	3	4	5	6	7
10	16/2	32mm to 50mm dia	Each	1	2324	2324.00
11	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	2	2141	4282.00
12	7	Erection of Brickwork (1:4) for the walls 125mm th. Of chamber at any req. depth, all in accordance with Technical Specification and direction of Engineering in charge and standard details drawings. The rate to include for the supply of first class bricks, the preparation of. Sand cement mortar including the supply of all materials and flush pointing to the face of the brickwork wall.	cum	1.5	5541	8311.50
13	3	Placing of Mass concrete (1:3:6) for the base slab of water pipe line chamber including the supply of all materials all in accordance with Technical Specification and direction of Engineering in charge, and standard drawings.	cum	0.56	6474	3625.44
14	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, coarse & 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	1	1725	1725.00
15		Site Cleaning Work	P/item	1	950	950.00
Total Taka=						48514.34

Taka in word=Fourty Eight Thousand Five Hundred Fourteen Point Three Four Taka Only.


17/12/2023
Md. Mizanur Rahman
Sub-Assistant Engineer
MODS Zone-1
Dhaka WASA


17.12.23
Md. Emdadul Haque
Assistant Engineer
MODS Zone-1
Dhaka WASA

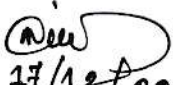

17/12/23
Md. Anwar Hossain
Executive Engineer
MODS Zone-1
Dhaka WASA

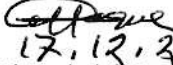
Calculation Sheet

Name of Work: Repairing & Maintenance of 225mm dia Water line leakage Holding No-Loharpul Inside Police Line Road & 38 Dinnath Sen Road Area Under Mods Zone-1, Dhaka WASA.

S.L No	Description of the items	Calculation	Qty	Unit	Rate (TK)	Total Amount (TK)
1	Earth work in excavation in all kind of soil	1 X 1.5 X 0.75 X 2	2.25	cum	171.00	384.75
2	225mm dia	1.3 X 1	1.3	M	1938.00	2519.40
3	200 X 200 X 200mm dia M.S Tee		1	Nr	4683.00	4683.00
4	200mm dia MS dresser coupling		4	P/M	1840.00	7360.00
5	Skiled Labour		4	P/No	647.00	2588.00
6	Un-Skiled Labour		8	P/No	615.00	4920.00
7	Sand Filling	1 X 1.5 X 0.75 X 2	2.25	cum	578.00	1300.50
8	Excavation and removal of soft soil	1 X 1.5 X 0.75 X 2	2.25	cum	331.00	744.75
9	Service Lines DN 20 to DN 25mm dia		2	Each	1398.00	2796.00
10	Service Lines DN 30mm to 50mm dia		1	Each	2324.00	2324.00
11	De-watering Pump		2	P/day	2141.00	4282.00
12	Brick Work	2 X 2 X 0.250 X 1.5	1.5	Cum	5541.00	8311.50
13	Mass Concrete	1 X 2.5 X 1.5 X 0.15	0.56	Cum	6474.00	3625.44
14	Reconstruction & repairing of service manhole		1	Each	1725.00	1725.00
15	Site Cleaning Work		1	item	950.00	950.00
Total tk=						48514.34

Taka in word=Fourty Eight Thousand Five Hundred Fourteen Point Three Four Taka Only.


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