

Office of the Executive Engineer
MODS Zone-7, Dhaka WASA

Section: 6 (Bill of Quantities with technical specification)

Name of Work : Estimate for repair and maintenance of 160 mm and 225 mm dia water line leakage at 339 Shampur, 226 Rosulbag and 7 Rosulpur under MODS Zone-7, Dhaka WASA

Item No.	Group	Item Code.	Description of Items of Works	Unit	Qty	Unit rates or prices	Amount= (6x7)
1	2	3	4	5	6	7	8
			Repair and maintenance of 160 mm and 225 mm dia water line leakage at 339 Shampur, 226 Rosulbag and 7 Rosulpur under MODS Zone-7, Dhaka WASA with the supply of following materials including with necessary tools & equipments as per direction of the Engineer. The contractor will provide free service during defect liability period of 6(six) months of concerning any problem of this work.				
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	cum	12	171.001	2052.012





Item No.	Group	Item Code.	Description of Items of Works	Unit	Qty	Unit rates or prices	Amount (6x7)
1	2	3	4	5	6	7	8
		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 Annexure -----) 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)	meter	6	0.000	0.000
2		d.	160mm dia (Divisonal Supply)	meter	12	0.000	0.000
3		e.	225mm dia (Divisonal Supply)				
		4	Extra-over item 1 for the supply (including supply of fittings described in schedule of requirement Annex-----) and installation following adopters for jointing components of pipelines, diameter given below, as per specifications and direction of Engineering in charge and the standard detail drawings.				
		4/4.	MS dresser coupling	each	2	1468.001	2936.002
4		b.	150mm dia	each	4	1840.001	7360.004
5		c.	200mm dia	each	6	647.001	3882.006
6			Skilled Labour				





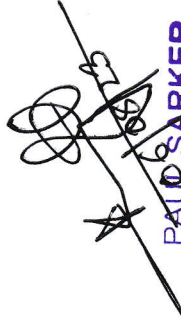
Item No.	Group	Item Code.	Description of Items of Works	Unit	Qty	Unit rates or prices	Amount (6x7) 8
1	2	3	4	5	6	7	8
7			Un-Skilled Labour	each	14	615.001	8610.014
8		6/b.	A) Extra-over item 1 for the supply depositing and compaction of fine sand back filling (FM 0.8) at all required depth in accordance with the technical specification and direction of Engineering in charge, and standard detail drawings for all water pipe line diameters. .	cum	12	578.001	6936.012
9		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	12	331.001	3972.012
		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.				
10		16/1	DN 20 to DN 25mm dia	each	2	1398.001	2796.002



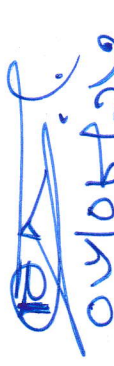


Item No.	Group	Item Code.	Description of Items of Works	Unit	Qty	Unit rates or prices	Amount (6x7)
1	2	3	4	5	6	7	8
11		20	Bailing out of all water from pipe line trench with supply of de-watering pump required size including supplying of fuel lubricants and all other required accessories & manpower to keep the trench in a dry condition at all times etc. all completed as per direction of the E/C.	day	5	2141.001	10705.005
Total Taka=						49249.069	
Say=						49249.000	

Total Amount (in word): Forty Nine Thousand Two Hundred Forty Nine Taka Only


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 MODS Zone-7
 Dhaka WASA


 06/08/23
 মোঃ আফজাল হোসেন
 সহকারী প্রকৌশলী
 মডস জোন-৭
 ঢাকা ওয়াসা


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