

Office of the Executive Engineer

MODS Zone-1

DHAKA WASA

Name of Work: Repairing & Maintenance of 160mm & 225mm dia Water line leakage at 53/C Dinnath Sen Road, 18/1/Cha Begomganj Lane & 97 Lions Club Narinda 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 benchmark 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	10.8	171.00	1846.80
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)				
	d.	160mm dia	P/M	4	1013	4052
3	e.	225mm dia	P/M	2	1938	3876
4	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				
	b.	150mm dia	P/Nr.	4	1468	5872
5	c.	200mm dia	P/Nr.	2	1840	3680

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SL No	Basis of rate	Description of item	Unit	Qnty	Rate	Amount
6		Skiled Labour	P/No	3	647	1941
7		Un-Skilled Labour	P/No	6	615	3690
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	10.8	578	6242.4
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	10.8	331	3574.8
10	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
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	5	2141	10705
12		Site Cleaning	L/S	1	700	700
					Total Taka=	48976.00

Taka in word=(Fourty Eight Thousand Nine Hundred Seventy Six) Taka Only.


27/08/23

Md.Mizanur Rahman
Sub-Assistant Engineer
MODS Zone-1
Dhaka WASA


27.08.23

Md Emdadul Haque
Assistant Engineer
MODS Zone-1
Dhaka WASA


27/8/23

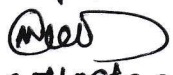
Md. Al Amin
Executive Engineer
MODS Zone-1
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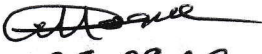
Calculation Sheet

Name of Work: Repairing & Maintenance of 160mm & 225mm dia Water line leakage at 53/C Dinnath Sen Road, 18/1/Cha Begomganj Lane & 97 Lions Club Narinda Area Under Mods Zone-1, Dhaka WASA.

S.L No	Description of the items				Qnty	Unit	Rate (TK)	Total Amount (TK)
1	Earth work in excavation in all kind of soil	3 X 3 x 0.6 x 2			10.8	cum	171.00	1846.80
2	160 mm dia uPVC Pipe	2	2	0	4	P/M	1013.00	4052.00
3	225 mm dia uPVC Pipe	0	0	2	2	P/M	1938.00	3876.00
4	150mm dia MS dresser coupling	2	2		4	P/Nr	1468.00	5872.00
5	200mm dia MS dresser coupling	0	0	2	2	P/Nr	1840.00	3680.00
6	Skiled Labour	1	1	1	3	P/No	647.00	1941.00
7	Un-Skiled Labour	2	2	2	6	P/No	615.00	3690.00
8	Sand Filling	3 X 3 x 0.6 x 2			10.8	cum	578.00	6242.40
9	Excavation and removal of soft soil	3 X 3 x 0.6 x 2			10.8	cum	331.00	3574.80
10	Shifting & Connection Existing Service Line		1	1	2	Each	1398.00	2796.00
11	De-watering Pump	1	2	2	5	P/day	2141.00	10705.00
12	Site Cleaning				1	L/S	700.00	700.00
							Total tk=	48976.00

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