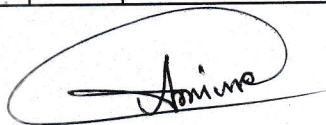


**Office of the Executive Engineer
MODS Zone-7, Dhaka WASA**

Section: 6 (Bill of Quantities with technical specification)

Name of Work : Estimate for repair and maintenance of 460 mm dia water line leakage at Jatrabari Shonir Akhra Under Pass Road MODS Zone-7, Dhaka WASA.

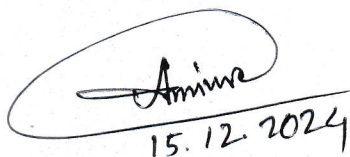
Item No.	Item Code	Description of Items of Works	Unit	Quantity	Unit rates or prices	Amount= (5x6)
1	2	3	4	5	6	7
1		Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing 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	18.00	171.001	3078.018
2	4/4.c	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. MS dresser coupling 460 mm dia	each	2.00	1840.001	3680.002
3		Skilled Labour	each	10.00	647.001	6470.010
4		Un-Skilled Labour	each	18.00	615.001	11070.018
5	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	18.00	578.001	10404.018
6	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	18.00	331.001	5958.018



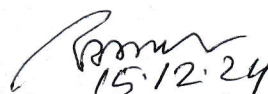


Item No.	Item Code	Description of Items of Works	Unit	Quantity	Unit rates or prices	Amount= (5x6)
1	2	3	4	5	6	7
7	20	Bailing out of all water from pipe line trench with supply of de-watering pump required size including supplying of fuel lubricants and all other required accessories & manpower to keep the trench in a dry condition at all times etc. all completed as per direction of the E/C.	day	4.00	2141.001	8564.004
8	1/1.f	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) uPVC Pipe (PN -10) (ISO 4422-2 (1996) 460 mm dia (Divisonal Supply)	meter	1.00	0.000	0.000
					Total Taka=	49224.088

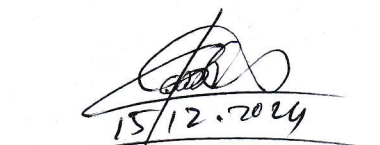
In-Word: Forty-Nine Thousand Two Hundred and Twenty-Four Point Zero Eight Eight Taka Only.


15.12.2024

Md. Aminur Rahman Siddique
Sub-Assistant Engineer
MODS Zone-7, DWASA.


15.12.24

Md. Afzal Hossain
Assistant Engineer
MODS Zone-7, DWASA.


15/12.2024
Md. Lemon Mia
Executive Engineer
MODS Zone-7, DWASA.

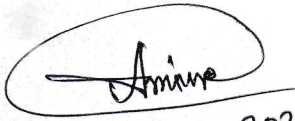
Calculation Sheet

Name of Work : Estimate for repair and maintenance of 460 mm dia water line leakage at Jatrabari Shonir Akhra Under Pass Road MODS Zone-7, Dhaka WASA.

Sl. No	Description of the items	Complain No or (Ticket No).	Qty	Unit	Rate (TK)	Total Amount (TK)
1	Earth work in excavation in all kind of soil	3 X 3 x 2 x 1	18.00	cum	171.001	3078
2	460 mm dia MS dresser coupling	2	2.00	each	1840.001	3680.002
3	Skilled Labour	10	10.00	each	647.001	6470.01
4	Un-Skilled Labour	18	18.00	each	615.001	11070.018
5	Sand Filling	3 X 3 x2 x1	18.00	cum	578.001	10404.018
6	Excavation and removal of soft soil	3 X 3 x2 x1	18.00	cum	331.001	5958.018
7	De-watering Pump	4	4.00	day	2141.001	8564.004
9	460 mm dia MS/Ductile Pipe (Divisional Supply)	1	1.00	meter		0

Total Amount = 49224.088

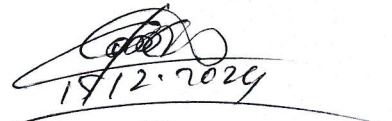
In-Word: Forty-Nine Thousand Two Hundred and Twenty-Four Point Zero Eight Eight Taka Only.



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