

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 225 mm dia water line leakage at south Jatrabari (near Padma Hotel) under MODS Zone-7, Dhaka WASA

Item No.	Group	Basis of Rate	Description of Items of Works	Unit	Qty	Unit rates or prices	Amount= (6x7)
1	2	3	4	5	6	7	8
Part-A (Departmental Materials)							
1	Water	Approved rate	225 mm dia uPVC Pipe (PN -10)	rm	12	1600.00	19,200.000
					Total Amount Tk.		
					Total Amount (in word): Nineteen Thousand Two Hundred Taka Only.		

Part-B (Repairing of water line leakage/Removing of contamination water)							
1	Water	Approved rate	Earth work in Ex-cavation of Mechanically by Excavator of foundation trenches in all kinds of soil & Hard rock upto the required depth and width, provided in the layout, construction of temporary bench mark by brick pillar/bamboo, preparation of bed, keeping the ex-cavation yard dry including the scooping out of all kind of slush, sewerage, loose soil, shrubs, debris etc. from the canal bed & side of canal including lead & lift 30m. as per requirements all complete as per drawing, specification and direction of the Engineer-in-charge.				
			A) Left in Trenches (Road) depth up to 7.00 m	cum	360.00	243.800	87,768.000
2	Water	Approved rate	Back filling by excavated granular soil including depositing and compaction at all required depth in accordance with the technical specification by excavated soil for kutchha road surface.	cum	288.00	154.001	44,352.288




Item No.	Group	Basis of Rate	Description of Items of Works	Unit	Qty	Unit rates or prices	Amount= (6x7)
1	2	3	4	5	6	7	8
3	Water	Approved rate	Repairing of water line leakage 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	72.00	578.001	41,616.072
4	Water	Approved rate	B) Removal of excavated earth/debris etc.	cum	72.00	331.200	23,846.400
5	Water	Approved rate	Extra over item 1 for completing temporary reinstatement of rigid and flexible paved road by compacted sand (FM 1.2) of 75 mm thick and one layer brick soling by full burned 1st class bricks of appropriate size (excavated bricks of proper sizes and quality is allowed to use) of the existing surfaced road in accordance with the technical specification and direction of Engineering in charge, and standard detail drawing for all water pipeline of any diameters for the type of road Surface given below. Asphalt/concrete road surface	sqm	72.00	74.001	5,328.072
6	Water	Approved rate	Dismantle of R.C.C. Road and Removal of debris to a safe distance	cum	14.40	2790.001	40,176.014
7	Water	Approved rate	Shore protection work during excavation in foundation trenches to protect loss due to damage of property by Palisading beyond 1.5 m depth accepted by the Engineer [the rate is including cost of vertical post]	sqm	88.00	814.001	71,632.088
8	Water	Approved rate	200mm dia CI Dresser-Coupling in/c Nut-bolts	each	4.00	1668.001	6,672.004
9	Water	Approved rate	A) Bailing out all source of water from Trances channel & any other means with all leads & lifts by pump or any other means etc. all complete as per direction of the E/c (3 nos pump x 4 day)	day	12.00	2141.300	25,695.600





Item No.	Group	Basis of Rate	Description of Items of Works	Unit	Qty	Unit rates or prices	Amount= (6x7)
1	2	3	4	5	6	7	8
10	Water	Approved rate	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, course & 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	1.00	1725.000	1,725.000
						Total Amount=	348,811.538

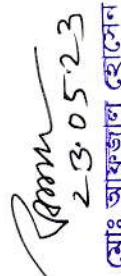
Total Amount (in word): Three Lakh Forty Eight Thousand Eight Hundred Eleven Point Five Three Eight Taka Only.

Summary:

	Part-B	348,811.538
Cost of Departmental Materials Which is Supplied from Departmental Store (Part-A).		19,200.000
Say Total Estimated Cost (Part-B)		348,811.538
Total Tk (Part A + Part B) =		368,011.538
Deducted of Depertermental Materials Cost (Part-A)		19,200.000
Net Total Tk.		348,811.538

Total Amount (in word): Three Lakh Forty Eight Thousand Eight Hundred Eleven Point Five Three Eight Taka Only.


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 MODS Zone-7
 Dhaka WASA


 মোঃ আফজাল হোসেন
 সহকারী প্রকৌশলী
 মডস জোন-৭
 ঢাকা ওয়াসা


 মোঃ শাহ আলম
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