

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 315 mm, 225 mm and 160 mm dia water line leakage at Pagla, Kadomtoli, Donia, Shampur and Jatrabari area 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	315 mm dia uPVC Pipe (PN -10)	rm	12	3200.00	38,400.000
2	Water	Approved rate	225 mm dia uPVC Pipe (PN -10)	rm	18	1600.00	28,800.000
3	Water	Approved rate	160 mm dia uPVC Pipe (PN -10)	rm	18	810.00	14,580.000
						Total Amount Tk.	81,780.000
Total Amount (in word): Eighty One Thousand Seven Hundred Eighty Taka Only.							

Part-B (Repairing of water line leakage/Removing of contamination water)							
1	Water	Approved rate	Repairing of water line leakage 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	311.25	331.001	103,024.061
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 kutchra road surface.	cum	284.25	154.001	43,774.784
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	27.00	578.001	15,606.027

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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
4	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.				
5	Water	Approved rate	Asphalt/concrete road surface	sgm	10.00	74.001	740.010
6	Water	Approved rate	Dismantle of R.C.C. Road and Removal of debris to a safe distance	cum	6.00	2790.001	16,740.006
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]	sgm	81.00	814.001	65,934.081
8	Water	Approved rate	300mm dia CI Dresser-Coupling in/c Nut-bolts	each	8.00	3019.001	24,152.008
9	Water	Approved rate	200mm dia CI Dresser-Coupling in/c Nut-bolts	each	20.00	1668.001	33,360.020
10	Water	Approved rate	150mm dia CI Dresser-Coupling in/c Nut-bolts	each	18.00	1411.001	25,398.018
11	Water	Approved rate	225X225X225mm Tee	each	2.00	5345.001	10,690.002
12	Water	Approved rate	225X160X225mm Tee	each	2.00	3900.001	7,800.002
13	Water	Approved rate	160X110X160mm Tee	each	2.00	2460.001	4,920.002
14	Water	Approved rate	90° PVC bend 225mm dia	each	2.00	4888.001	9,776.002
15	Water	Approved rate	1 inch Bond Plug/End Cap	each	120.00	25.001	3,000.120
	Water	Approved rate	3/4 inch Bond Plug/End Cap	each	100.00	20.001	2,000.100

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
16	Water	Approved rate	8 inch Clamp	each	32.00	500.001	16,000.032
17	Water	Approved rate	6 inch Clamp	each	24.00	350.001	8,400.024
Total Amount=							391,315.300

Total Amount (in word): Three Lakh Ninety One Thousand Three Hundred Fifteen Point Three Taka Only.

Summary:

	Part-B	391,315.300
Cost of Departmental Materials Which is Supplied from Departmental Store (Part-A).		
		81,780.000
Say Total Estimated Cost (Part-B)		
	Total Tk (Part A + Part B) =	391,315.300
Deducted of Depertermental Materials Cost (Part-A)		
		81,780.000
Net Total Tk.		
		391,315.300

Total Amount (in word): Three Lakh Ninety One Thousand Three Hundred Fifteen Point Three Taka Only.


PAUL SARKER
 Sub-Assistant Engineer
 MODS Zone-7
 Dhaka WASA


 07/06/23
 মোঃ শাহ আলম
 নির্বাহী প্রকৌশলী
 হাডস্ জোন-৭
 ঢাকা ওয়াসা।