

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 Jatrabari, Shampur, Shonirakhra, Rosulpur, Donia, Rosulbag and Kadomtoli 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	3	3200.00	9,600.000
2	Water	Approved rate	225 mm dia uPVC Pipe (PN -10)	rm	20	1600.00	32,000.000
3	Water	Approved rate	160 mm dia uPVC Pipe (PN -10)	rm	18	810.00	14,580.000
Total Amount Tk.						56,180.000	
Total Amount (in word): Fifty Sixty Thousand One 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 kutcha road surface.	cum	257.25	154.001	39,616.757





Item No.	Group	Basis of Rate	Description of Items of Works	Unit	Qty	Unit rates or prices	Amount= (6x7x8)
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	54.00	578.001	31,212.054
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	sqm	30.00	74.001	2,220.030
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
			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]				
7	Water	Approved rate	300mm dia CI Dresser-Coupling in/c Nut-bolts	sqm	99.00	814.001	80,586.099
8	Water	Approved rate	200mm dia CI Dresser-Coupling in/c Nut-bolts	each	10.00	3019.001	30,190.010
9	Water	Approved rate	150mm dia CI Dresser-Coupling in/c Nut-bolts	each	28.00	1668.001	46,704.028
10	Water	Approved rate	225X225X225mm Tee	each	22.00	1411.001	31,042.022
11	Water	Approved rate	225X160X225mm Tee	each	5.00	5345.001	26,725.005
12	Water	Approved rate	160X110X160mm Tee	each	5.00	3900.001	19,500.005
				each	2.00	2460.001	4,920.002

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Item No.	Group	Basis of Rate	Description of Items of Works	Unit	Qty	Unit rates or prices	Amount= (6x7, 8
1	2	3	4	5	6	7	8
13	Water	Approved rate	90° PVC bend 225mm dia	each	4.00	4888.001	19,552.004
14	Water	Approved rate	1 inch Bond Plug/End Cap	each	120.00	25.001	3,000.120
15	Water	Approved rate	3/4 inch Bond Plug/End Cap	each	100.00	20.001	2,000.100
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 (in word): Four Lakh Eighty One Thousand Four Hundred Thirty Two Point Three Six Taka Only.							481,432.360

Summary:

	Part-B	481,432.360
Cost of Departmental Materials Which is Supplied from Departmental Store (Part-A).		
Say Total Estimated Cost (Part-B)		56,180.000
Total Tk (Part A + Part B) =		481,432.360
Deducted of Depertermental Materials Cost (Part-A)		
Net Total Tk.		56,180.000
		481,432.360

Total Amount (in word): Four Lakh Eighty One Thousand Four Hundred Thirty Two Point Three Six Taka Only.

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MODS Zone-7
Dhaka WASA

মোঃ আফজাল হোসেন
সহকারী প্রকৌশলী
মডস জোন-৭
ঢাকা ওয়াসা

মোঃ শাহ আলম
নিবাহী প্রকৌশলী
মডস জোন-৭
ঢাকা ওয়াসা