

Dhaka Water Supply and Sewerage Authority

OFFICE OF THE EXECUTIVE ENGINEER

MODS ZONE-7

Estimate

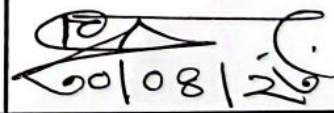
Name of Work :

Repairing of water line leakage at Kutubpur Poschimpara, Vuianogor, Vuiapara and Adjacent area under MODS Zone-7, Dhaka WASA

Part A : Departmental Supply						
SL No.	Description of Item	Qty	Unit	Rate	Price	Remark
1	uPVC Pipe (PN -10) (ISO 4422-2 (1996)					
a)	110mm dia	15	m	380	5700	Departmental Supply
b)	160mm dia	20	m	810	16200	Departmental Supply
c)	225mm dia	24	m	1600	38400	Departmental Supply
				Total	60300.000	

Taka (in Words):

Tk. 60,300.00 (Taka Sixty Thousand Three Hundred Only)

 30/4/23	 60/08/26	 60/08/26
Sub-Assistant Engineer	Assistant Engineer	Executive Engineer
MODS Zone-7, Dhaka WASA	MODS Zone-7, Dhaka WASA	MODS Zone-7, Dhaka WASA

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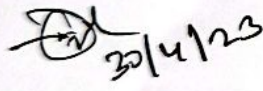
Part-B: Maintenance Works						
Rate Basis	SL No.	Description Of Work	Qty	Unit	Rate	Price
DWASA/Water-11/1/1	1	uPVC Pipe (PN -10) (ISO 4422-2 (1996)	15	m	64.001	960.015
DWASA/Water-11/c	a)	110mm dia	20	m	71.001	1420.02
DWASA/Water-11/d	b)	160mm dia	24	m	86.001	2064.024
DWASA/Water-11/e	c)	225mm dia				
DWASA/Water-11/2/7	2	PVC bend 45° (PN-10) ISO 4422	1	each	896.001	896.001
DWASA/Water-11/a	a)	110mm dia	3	each	2056.001	6168.003
DWASA/Water-11/b	b)	160mm dia	2	each	4773.001	9546.002
DWASA/Water-11/c	c)	225mm dia				
DWASA/Water-11/2/8	3	PVC bend 90° (PN-10) ISO 4422	1	each	896.001	896.001
DWASA/Water-11/a	a)	110mm dia	3	each	2114.001	6342.003
DWASA/Water-11/b	b)	160mm dia	3	each	4888.001	14664.003
DWASA/Water-11/c	c)	225mm dia				
DWASA/Water-11/2/14	4	uPVC TEE (PN-10) ISO 4422	3	each	2460.001	7380.003
DWASA/Water-11/b	a)	160X110X160mm Tee	4	each	3089.001	12356.004
DWASA/Water-11/c	b)	160X160X160mm Tee	4	each	3901.001	15604.004
DWASA/Water-11/e	c)	225X160X225mm Tee	3	each	5345.001	16035.003
DWASA/Water-11/f	d)	225X225X225mm Tee				
DWASA/Water-11/4/2	5	CI Dresser Coupling	8	each	951.001	7608.008
DWASA/Water-11/a	a)	100 mm dia Dresser Coupling in/c nut-bolts	20	each	1411.001	28220.02
DWASA/Water-11/b	a)	150 mm dia Dresser Coupling in/c nut-bolts	30	each	1668.001	50040.03
DWASA/Water-11/d	c)	225 mm dia Dresser Coupling in/c nut-bolts	69.35	cum	578.001	40084.369
DWASA/Water-11/5/b	6	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. . (3.00 X 1.00 X 1.00) X 8 nos =24.00 cum (2.74 X 1.00 X 1.00) X 9 nos =24.66 cum (2.74 X 0.95 X 0.95) X 6 nos =14.84 cum (2.74 X 0.95 X 0.75) X 3 nos =5.86 cum Total 69.35 cum				
DWASA/Water-11/7		B)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 (3.00 X 1.00 X 2.05) X 8 nos =49.20 cum (2.74 X 1.00 X 2.00) X 9 nos =49.32 cum (2.74 X 0.95 X 1.70) X 6 nos =26.55 cum (2.74 X 0.95 X 1.60) X 3 nos =12.49 cum Total 137.57 cum	137.57	cum	154.001	21185.918
DWASA/Water-11/8	7	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				
DWASA/Water-11/8/a	a)	Asphalt/concrete road surface (30 X 0.60) =18.00 sqm	18.00	Sqm	74.001	1332.018
DWASA/Water-11/9	8	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, (3.00 X 1.00 X 3.05) X 8 nos =73.20 cum (2.74 X 1.00 X 3.00) X 9 nos =73.98 cum (2.74 X 0.95 X 2.65) X 6 nos =41.39 cum (2.74 X 0.95 X 2.35) X 3 nos =18.35 cum Total 206.92 cum	206.92	cum	331.001	68490.727
DWASA/Water-11/13	9	The excavation of trial holes and the completion of back fill with approved fill materials, all in accordance with the technical specification. 13 X (1.21 X 1.21 X 1.82) =34.641 cum	34.641	cum	184.001	6373.979

Rate Basis	SL No.	Description Of Work	Qty	Unit	Rate	Price
DWASA/Water-11/18	10	Placing of Mass concrete 1:3:6 for the anchor blocks at all bends, tees end caps and reducers, including the supply of all materials in accordance with technical specification and direction of Engineering in charge and standard drawings. The rate to include for necessary additional excavation; supply of all materials and for the wrapping of all PVC fittings encased in concrete with two layers of heavy duty polythene sheeting.	5.4	Cum	5628.001	30391.205
		27 X 0.2 cum =5.40 cum				
DWASA/Water-11/19	11	Hiring charge for supply and installation of MS sheets (1800x900x18mm) over the trench / road surface for a smooth traffic movement during the execution of works in accordance with Technical Specification and direction of Engineering in charge.	15.00	sqm	445.001	6675.015
		5 X 3.00 sqm =15.00				
DWASA/Water-11/20	12	Hire charge of de-watering Pump :				
DWASA/Water-11/20	a)	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.	20	day	2141.001	42820.02
		2 nos X 10 day =20.00				
PWD/Civil-18/2.7.2	13	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-in-charge.. [the rate is including cost of vertical post]	43.20	sqm.	877.001	37886.443
		(6.00 X 1.80) X 2 Side X 2 nos =43.20 sqm				
PWD/Civil-18/32.6.2	14	Dismantling of R.C.C. in roof slab/RCC Road and removal of debris to a safe distance.	4.40	cum	2790.001	12276.004
		(2.00 X 1.00 X 0.20) X 11 nos =4.40 cum				
					Total	447714.842

Part-A Total Tk	60300.000
Total Tk (Part-A+B)	508014.842
Deducted Part-A Total Tk	60300.000
Total Tk	447714.842

Taka (in Words):

Tk 4,47,714.842 (Taka Four Lac Forty Seven Thousand Seven Hundred Fourteen Point Eight Four Two Only.)

		
Sub-Assistant Engineer	Assistant Engineer	Executive Engineer
MODS Zone-7, Dhaka WASA	MODS Zone-7, Dhaka WASA	MODS Zone-7, Dhaka WASA