

Dhaka Water Supply and Sewerage Authority

OFFICE OF THE EXECUTIVE ENGINEER

MODS ZONE-7

ESTIMATE

Name of Work :

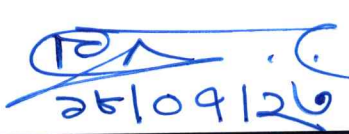
Removing of contamination water at Nurpur khalpar, Patyerbagh khalpar, Vuighor khalpar, Taninkunjo canalpar and Adjacent area under MODS Zone-7 area, Dhaka WASA .

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)								
DWASA/Water-11/c.	a)	110mm dia	8	m	511.001	4088.008				
DWASA/Water-11/d.	b)	160mm dia	13	m	1013.001	13169.013				
DWASA/Water-11/e.	c)	225mm dia	15	m	1939.001	29085.015				
DWASA/Water-11/2/7.	2	PVC bend 45° (PN-10) ISO 4422								
DWASA/Water-11/a.	a)	110mm dia	1	each	896.001	896.001				
DWASA/Water-11/b.	b)	160mm dia	3	each	2056.001	6168.003				
DWASA/Water-11/c.	c)	225mm dia	2	each	4773.001	9546.002				
DWASA/Water-11/2/8.	3	PVC bend 90° (PN-10) ISO 4422								
DWASA/Water-11/a.	a)	110mm dia	1	each	896.001	896.001				
DWASA/Water-11/b.	b)	160mm dia	2	each	2114.001	4228.002				
DWASA/Water-11/c.	c)	225mm dia	2	each	4888.001	9776.002				
DWASA/Water-11/2/14.	4	uPVC TEE (PN-10) ISO 4422								
DWASA/Water-11/b.	a)	160X110X160mm Tee	2	each	2460.001	4920.002				
DWASA/Water-11/c.	b)	160X160X160mm Tee	3	each	3089.001	9267.003				
DWASA/Water-11/e.	c)	225X160X225mm Tee	3	each	3901.001	11703.003				
DWASA/Water-11/f.	d)	225X225X225mm Tee	2	each	5345.001	10690.002				
DWASA/Water-11/4/2..	5	CI Dresser Coupling								
DWASA/Water-11/a.	a)	100 mm dia Dresser Coupling in/c nut-bolts	4	each	951.001	3804.004				
DWASA/Water-11/b.	a)	150 mm dia Dresser Coupling in/c nut-bolts	12	each	1411.001	16932.012				
DWASA/Water-11/d.	c)	225 mm dia Dresser Coupling in/c nut-bolts	14	each	1668.001	23352.014				
DWASA/Water-11/6/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. .	52.66	cum	578.001	30437.533				
		(3.00 X 1.00 X 1.00) X 6 nos =18.00 cum (2.74 X 1.00 X 1.00) X 6 nos =16.44 cum (2.74 X 0.95 X 0.95) X 5 nos =12.36 cum (2.74 X 0.95 X 0.75) X 3 nos =5.86 cum Total 52.66 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	104.40	cum	154.001	16077.704				
		(3.00 X 1.00 X 2.05) X 6 nos =36.90 cum (2.74 X 1.00 X 2.00) X 6 nos =32.88 cum (2.74 X 0.95 X 1.70) X 5 nos =22.13 cum (2.74 X 0.95 X 1.60) X 3 nos =12.49 cum Total 104.40 cum								
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	12.00	Sqm	74.001	888.012				
		(20 X 0.60) =12.00 sqm								
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,	157.06	cum	331.001	51987.017				
		(3.00 X 1.00 X 3.05) X 6 nos =54.90 cum (2.74 X 1.00 X 3.00) X 6 nos =49.32 cum (2.74 X 0.95 X 2.65) X 5 nos =34.49 cum (2.74 X 0.95 X 2.35) X 3 nos =18.35 cum Total 157.06 cum								
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.	47.964	cum	184.001	8825.424				
		18 X (1.21 X 1.21 X 1.82) =47.964 cum								

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.	4.2	Cum	5628.001	23637.604
		21 X 0.2 cum =4.20 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.	12.00	sqm	445.001	5340.012
		4 X 3.00 sqm =12.00				
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.	3.20	cum	2790.001	8928.003
		(2.00 X 1.00 X 0.20) X 8 nos =3.20 cum				
APP. Rate	16	3/4 inch Bond Plug/End Cap	170	each	20.001	3400.17
APP. Rate	17	1 inch Bond Plug/End Cap	90	each	25.001	2250.09
APP. Rate	15	8 inch Clamp	2	each	500.001	1000.002
APP. Rate	16	6 inch Clamp	7	each	350.001	2450.007
					Total	394448.128

Taka (in Words):

Tk. 3,94,448.128 (Taka Three Lac Ninety Four Thousand Four Hundred Forty Eight Point One Two Eight Only.)

 18.07.23	 18/07/23	 25/09/23
Sub-Assistant Engineer	Assistant Engineer	Executive Engineer
MODS Zone-7, Dhaka WASA	MODS Zone-7, Dhaka WASA	MODS Zone-7, Dhaka WASA