

Section-6 : Bill of Quantities

Name of work : Locating, Raising & Cleaning of Air Release Valve, washout line, DMA Chamber and Bulk Meter Chamber at DMA-205 & DMA-215 Under MODS Zone-2, Dhaka WASA.

SL. No.	Description of item work	Quantity	Unit	Total Rate (Tk)	Total Amount (Tk)
1	6" C class PVC pipe for fitting and fixing in Bulk Meter, Sulice Valve, DMA and washout chamber, all completed as per direction of Engineer in charge.	53.64	M	734.001	39371.814
2	Reinforced cement concrete works using wooden shutter, with minimum cement content relates to mix ratio 1:2:4 having minimum $f_{cr} = 24$ Mpa, and satisfying a specified compressive strength $f_c = 19$ Mpa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM & cement conforming to BDS EN-197-1- CEM 1, 52.5N (52.5MPa) / ASTM-C 150 Type - I, best quality sand [50% quantity of best local sand (F.M. 1.2) and 50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2] and 20 mm down well graded picked jhama brick chips conforming ASTM C-33 including breaking chips and screening, making, placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hopper fed by standard measuring boxes, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, additional testing charges of materials and cylinders required by engineer, other charges etc. all complete approved and accepted by the Engineer.(Rate is excluding the cost of reinforcement and its fabrication, placing and binding etc)	20.91	Cum	7319.001	153040.311
3	Skilled technician for PVC pipe cutting, fitting and operating cutting disk.	64.00	Each	1000.001	64000.064
4	Labor for earth excavation to rise Bulk Meter, Sulice Valve, DMA and washout chamber in Road level and back filling of sand and S/V, washout operation.	195.00	Nos	800.001	156000.20
5	Sand filling in foundation trenches and plinth with coarse sand having min F.M 1.2 in 150mm in layers including leveling, watering and compaction o achieve minimum dry density of 90% with optimm moisture content (Modified proctor test) by raming each layer up to finished level as per design supplied by the design office only etc. all complete and accepted by the engineer.	102.78	Cum	497.001	51081.763
6	Hire charge of marble cutting disk for pipe cutting	30	Day	600.001	18000.030

7	Purchase for bamboo, rope, hacksaw set, GI wire etc	Lumsu m	10000
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Tk = 4,91,494.176
Say = 4,91,494.00

Inword: Four lac Ninety One Thousand Four Hundred Ninety Four Taka only.

ক্রম নং	শতকরা হার		মোট টাকা	ঠিকাদারের নাম
	অংকে	কথায়		
১.	০%	কাজের এক	নিম্নে	৪,৮৬,৫৭৯.০৮
২.	.		উর্কে	
৩.			বিভাগীয় দরে	

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১৩/০৯/২৪

০৪/০৯/২৪

মোহাম্মদ নজরুল ইসলাম
নির্বাহী প্রকৌশলী
মডুস জোন-২, ঢাকা ওয়াসা।

৫.৯.২৪

মোহাম্মদ মাহবুব হোসেন
০৮/০৯/২০২৪
স্বাক্ষরকারী