

**OFFICE OF THE EXECUTIVE ENGINEER
MODS ZONE-9, DHAKA WASA
Estimate**

**Name of the work: Installation and repair-maintenance of different dia sluice valve at DMA-905
DMA-906 under MODS Zone-9, Dhaka WASA**

SI no	Rate schedule Item No.	Description of Materials	Quantity	Unit	Rate	Amount
1	PWD-2.1.2	Earth work in road embankment up to a lift of 1.5 m in all kinds of soil including cutting and throwing earth in layers not exceeding 150 mm in thickness, breaking clods up to 40 mm size in each layer, ramming, leveling and dressing as per required side slope and alignment with earth borrowed from the road side govt. acquired land for any leads and maintaining the embankment true to level and side slopes as per profiles for one year from the date of completion including making dug, bailing, profiling etc. complete and accepted by the Engineer-in-charge.	6.80	Cum	168.001	1,142.407
2	WASA1/3/b	6" C class PVC pipe for fitting and fixing in S/V and ashout chamber, all completed as per direction of Engineer in arge.	15.24	RM	805.001	12,268.215
3	PWD-2.9	Extra –over item I for the excavation and removal of loose soil from site and the back fill of the excess excavation with approved with the technical specification .	6.80	Cum	1,054.001	7,167.207
4	Approved Rate	Repair and Maintenance & Construction work of various diameter sluice valve. Sluice valve spindle, pinium, gate, nut volt open from the s/v chamber and repair/ reconstruction from workshoop. Then fitting and fixing with s/V and replace into the chamber.Materials cost labour charge caring charge all included in unit rate. All completed as per direction by the engineer.				-
a		300 mm dia SV spindle	2.00	Each	5,000.001	10,000.002
b		200 mm dia SV spindle	6.00	Each	4,000.001	24,000.006
c		150 mm dia SV spindle	8.00	Each	3,500.001	28,000.008
d		100 mm dia SV spindle	8.00	Each	3,000.001	24,000.008
e		300 mm dia SV Pinium	2.00	Each	3,500.001	7,000.002
		200 mm dia SV Pinium	6.00	Each	2,500.001	15,000.006
f		150 mm dia SV Pinium	8.00	Each	2,000.001	16,000.008
g		110 mm dia SV Pinium	8.00	Each	1,500.001	12,000.008
h		Nut volt	70.00	Each	80.001	5,600.070
i		Gascate	80.00	Each	90.001	7,200.080
5	Approved rate	Extra –over item I for supply and lay of HDPE sleeve for the pipe materialsand diameter given below in accordance with the technical specification and the standard detail drawing.				-
a		200 mm dia E.F Sleeve	2	Each	2,537.001	5,074.002
b		160 mm dia E.F Sleeve	6	Each	1,595.001	9,570.006
c		110 mm dia E.F Sleeve	8	Each	829.001	6,632.008

6	PWD-02.10.1	Sand filling in foundation trenches and plinth with sand having F.M. 0.5 to 0.8 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per esign supplied by the design office only, all complete and accepted by the Engineer-in-charge.	7.09	Cum	1,088.001	7,713.927
7	WASA R.S-18	Hire Charge of de-watering pump. Bailing out of all 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 complete as per direction of the E/C.	15	Per/day	1,862.001	27,930.015
8	PWD-24.10	Providing compacted sub-base course with well graded material of crushed well burnt picked jhama / 1st class brick bats and sand (FM 0.8) with mixing proportion 2 : 1 having compacted thickness made as per specification including local handling, spreading uniformly to proper grade camber and super elevation, packing, rolling properly with 8 to 10 ton capacity power driven road roller and watering properly for compaction of 100% MDD (standard) blinding with sand including cost of fuel, lubricants, spares, maintenance, driver etc. all complete and accepted by the Engineer-in-charge.	12.52	cum	5449.001	68,221.493
9		Road Safety measures and tools as per direction of Engineer in	1	L.S	5,000.001	5,000.001
Sub Total						299,519.478
In word: Two Lac Ninety Nine Thousand Five Hundred Nineteen Point Four Seven Eight Taka Only.						


 23.08.22
 মোঃ নাজমুল হোসাইন
 উপ-সহকারী প্রকৌশলী
 মডুস জোন-৯
 ঢাকা ওয়াশা


 26/8/22
 মোঃ দেলোয়ার হোসেন
 সহকারী প্রকৌশলী
 মডুস জোন-৯
 ঢাকা ওয়াশা


 23.08.2022
 (মোঃ মোজাহিদুর রহমান)
 নির্বাহী প্রকৌশলী (চঃ দাঃ)
 মডুস জোন-৯, ঢাকা ওয়াশা