

Section-06

Bill of Quantities(BOQ)

name of the work : Repair and installation of 110 mm, 160 mm , 200 mm , & 300 mm diameter
different parts of Sluice valves (spindle, penion, guide nut etc.) used in water supply lines at DMA-
06 under MODS Zone-10 Dhaka WASA .

Rate Schedule	Description	Quantity	Unit	Rate (Tk)	Taka (Tk)
	Due to wearing of threads of sluice valves spindle, gland packing sluice valves gates drop of resulting water leakage through valves. The worn spindles are able to be repaired by through remetaling by welding and then cutting thread and finishing by milling machine. The guide nuts of sluice valves are also repairable by same manner. To accomplish the total process supply of material and working in workshop is needed.				
	(I) Repairing works of spindle				
Pre-Approve d Rate	a) Repairing 12" dia sluice valves spindle having 1-1/2" dia and 2'-6" length (or as found) using copper or stainless steel.	16 Pcs	Per Pcs	2,500.001	40,000.016
"	b) Repairing 8" dia sluice valves spindle having 1-1/4" dia and 2'-0" length (or as found) using copper or stainless steel.	20 Pcs	Per Pcs	1,800.001	36,000.020
"	c) Repairing 6" dia sluice valves spindle having 1-1/4" dia and 1'-8" length (or as found) using copper or stainless steel.	12 Pcs	Per Pcs	1,500.001	18,000.012
"	d) Repairing 4" dia sluice valves spindle having 1" dia and 1'-6" length (or as found) using copper or stainless steel.	10 Pcs	Per Pcs	1,000.001	10,000.010
	(II) Repairing works of Guide Nut				
"	a) Repairing work of 12" dia guide nut.	8 Pcs	Per Pcs	1,500.001	12,000.008
"	b) Repairing work of 8" dia guide nut.	14 Pcs	Per Pcs	1,000.001	14,000.014
"	c) Repairing work of 6" dia guide nut.	18 Pcs	Per Pcs	800.001	14,400.018
"	d) Repairing work of 4" dia guide nut.	6 Pcs	Per Pcs	600.001	3,600.006
	Supply different size of sluice valves spindle using stainless steel/copper (as per specimen). Additionally other accessories relating to this should be supplied.				
	(I) Supply of spindle & Guide Nut				
"	a) Supply of 2'-6" length 1-1/2"dia spindle for 12" dia sluice valve (as per specimen copy).	8 Pcs	Per Pcs	4,800.001	38,400.008
"	b) Supply of 2'-0" length 1-1/4"dia spindle for 8" dia sluice vavle (as per specimen copy).	14 Pcs	Per Pcs	3,800.001	53,200.014

"	c) Supply of 1'-8" length 1-1/2"dia spindle for 6" dia sluice vavle (as per specimen copy).	12 Pcs	Per Pcs	3,500.001	42,000.012
"	d) Supply of 1'-8" length 1-1/2"dia spindle for 4" dia sluice vavle (as per specimen copy).	10 Pcs	Per Pcs	3,500.001	35,000.010
	Finishig work of sluice valves gate by remetaling work supply, transportation and re-installation work of all the accessories after dismantling from the existing chamber.				
"	a) Sluice valves gate for 12"dia	8 Pcs	Per Pcs	2,400.001	19,200.008
"	b) Sluice valves gate for 8"dia	6 Pcs	Per Pcs	1,800.001	10,800.006
"	c) Sluice valves gate for 6"dia	10 Pcs	Per Pcs	1,600.001	16,000.010
"	d) Sluice valves gate for 4"dia	4 Pcs	Per Pcs	1,500.001	6,000.004
2.10.1(PWD)	Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 in 150 mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified	45 Cum	Cum	1088.001	48,960.045
Pre-Approved Rate	Hire Charge of 1.5 KVA mobile Generator.for power supply to drive electrofusion machine. Including fuel and operators all complete as per direction of the E/C.	11 Day	Per Day	2000.001	22,000.011
Pre-Approved Rate	Hire Charge of electrofusion machine to joint sleeve in the excavation. all complete as per direction of the E/C.	11 Day	Per Day	1500.001	16,500.011
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	11 Day	Per Day	1862.001	20,482.011
WASA R.S-21	Reconstruction & repair of service manhole (Drain pit) Reconstruction & repair of broken service manhole (drain pit) including supply of bricks sand cement, khoa with labor/Mistry I/C, Supply of all other materials as per direction of	7 Nos	Per Nos	1500.001	10,500.007
	Road Safety measures and tools as per direction of Engineer in Charge.	1	Lumsum	12000.001	12,000.001
Total Tk.=				499,042.262	

er Price quoted by the Tenderer : (% above / Less) 1%.

Figure: 499051.839

Word: Four Lac Ninety four thousand fifty one taka and Eight hundred thirty Nine Paisa