

Dhaka Water Supply & Sewerage Authority, DWASA

Office of the Executive Engineer

MODS Zone-3, Dhaka WASA

Steel Tank Compound, Lalmatia Dhaka

Name of Work: Interconnection of 200 mm dia HDPE water line with 110 mm dia HDPE water line at 2(Two) locations and Instalation of 1(One) Nos Sluice Valve in Road-12/B, Baitul Aman Housing (DMA-302) under MODS Zone-3, Dhaka WASA.

Sl. No	Basis of Rate	Description of item	Qty	Unit	Rate (BDT)	Amount (BDT) (4x6))
1	2	3	4	5	6	8

PART-A (Departmental Materials)

- 1 Guarding pipe line special fitted in the line or lying at sites shall be the responsibility of the contractor until it is handed over to the deptl. store as a whole or the maintenance period is over which is applicable.
- 2 The following materials will be supplied from the departmental store if available and the same will be carried to the site by the Contractor at his own expenses. The Contractor will have to submit insurance against the departmental materials
- 3 The following materials will be supplied from the departmental store if available and the same will be carried to the site by the Contractor at his own expenses. The Contractor will have to submit insurance against the departmental materials
- 4 If any materials supplied by the depth be comes excess after execution of the work the same shall be returned to WASA store as per direction of the E/C in case of any materials is lost/damaged or not returned to the stores, cost of the same will be deducted from the contractors bill at the double of the issue ratefixed by competent authority

1	Approved	110 mm dia HDPE Pipe (PN10) (ISO 4427-2:2007	5	m	681.00	3,405.00
2	Approved	200 mm dia HDPE Pipe (PN10) (ISO 4427-2:2007	5	m	2,220.00	11,100.00
3	Approved	110 mm dia Sleeve/Coupler - EF	9	Each	970.00	8,730.00
4	Approved	110 mm dia End Cap - EF	1	Each	514.00	514.00
Total Departmental Material Cost (PART-A) =						23,749.00

PART-B (Construction of water line)

1	Approved Rate	Installation and laying of (uPVC) Unplasticized polyvinyl chloride/DI / PE /MS water pipelines (including supply of materials, fittings, Equipment described in schedule of requirement Annex --Section--) in accordance with the technical specification and the standard detailed drawings; ofany diameter specified below. The rate includes for excavation in all kinds of soil,BFS/HBB/ Bituminous Rd CC RCC rd surface except rock to the full depth of trench required by the specifications, precautions necessary to avoid damage of underground utility services, (any damage Contractor shall repair by his own cost) including removing the excavated earth & stacking the same to safe distance without any traffic obstacles, de-watering of the trench to keep dry condition at all times, including all necessary shoring, boxing, must be protected from any collapse of trench sides, preparation of trench bottom, at depth of 1.2.M ,transport (all kinds of materials, equipment, pipes & fittings) to site, laying, jointing and cleaning of the water pipes; disposal of surplus excavated material and transport back surplus materials to Dhaka WASA stores (materials supplied by Dhaka WASA described in Anexure ----) as per specifications and direction of Engineering in charge (cost of excess excavated earth would be deducted as per deptl material rate)				
1.1	Approved Rate	110 mm dia HDPE Pipe (PN10) (ISO 4427-2:2007	5	m	531.000	2,655.00
1.2	Approved Rate	200 mm dia HDPE Pipe (PN10) (ISO 4427-2:2007	5	m	798.00	3,990.00
1.3	Approved Rate	110 mm dia Sleeve/Coupler - EF	9	m	1,495.00	13,455.00
1.4	Approved Rate	110 mm dia End Cap - EF	1	Each	1,056.00	1,056.00

2	Approved Rate	Extra-over item 1 for installation including procurement, supply, carrying of HDPE (PN10, PE 100, SDR 11) fittings in accordance with the technical specification and the standard detailed drawings, of any diameter specified below. The rate includes for transportation of fittings to site, cleaning, jointing and laying of the fittings as per specifications and direction of Engineering in charge.				
2.1	Approved Rate	110mm dia 45° Bend - EF	4	Each	2595.00	10,380.00
2.2	Approved Rate	110mm dia 90° Bend - EF	4	Each	4121.00	16,484.00
2.3	Approved Rate	200x110x200 mm TEE-EF	1	Each	8922.00	8,922.00
2.4	Approved Rate	110x110x110 mm TEE-EF	2	Each	4044.00	8,088.00
2.5	Approved Rate	110 mm Stub End-EF	1	Each	710.00	710.00
2.6	Approved Rate	200 mm DI Dresser Coupler	2	Each	2752.53	5,505.06
2.7	DWASA-4/2.a	110 mm CI Dresser Coupler	1	Each	951.05	951.05
2.8	DWASA-4/3.a	110 mm dia CI Flange adopter	2	Each	1123.55	2,247.10
2.9	MR	vi) 200mm dia MS Clam	4	Each	400.00	1,600.00
2.10	MR	vi) 200mm dia Rubber	10	Each	80.00	800.00
2.11	MR	vi) 110mm dia Rubber	5	Each	50.00	250.00
2.13	PWD-2023	v) Electro fusion welding joint(up to 110 mm)	10	Each	475.00	4,750.00
2.14	PWD-2023	vi) Electro fusion welding joint(over 110 mm)	5	Each	590.00	2,950.00
3	Approved Rate	Extra-over item 1 for installation including procurement, carrying, supply of Gate Valve/Non-return Valve/Pressure Sustaining Valve/Air Release Valve/ Washout Valve (BSPN 16) in accordance with the technical specification and the standard detailed drawings, of any diameter, specified below. The rate includes for transportation from plants to site, excavation, backfilling, dewatering, cleaning, jointing, laying and related fittings as per specifications and direction of Engineering in charge as per specifications and the standard detail drawing and direction of the Engineer in charge.				
3.1	Approved Rate	100 mm (Gate Valve)	1	Each	16933.00	16,933.00
4	PWD-2.10.1	Pipe bedding sorrounding: Supply, depositing and compaction of fine sand (FM 0.8) bedding, surrounding and above pipes up to required depth with proper ramming of 150mm layer as per specifications, standard detailed drawings and direction of Engineering in charge.	23.40	Cum	1088.00	25,459.20
5	PWD-2.10.1	Main backfill of trenches: 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. .	50.70	Cum	1088.00	55,161.60
6	WASA-7	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	11.20	Cum	134.00	1,500.80
7	WASA-8	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				
		A. Asphalt/concrete road surface.	39.00	Sqm	73.60	2,870.40

	WASA-9	Excavation and removal of loose soil from site and the back fill of the excess excavation with approved fill materials/ excavated earth all in accordance with technical specification.	11.70	Cum	331.00	3,872.70
9	WASA-14	Interconnection of water pipelines to any existing water supply networks, the rate includes for excavation, cutting, necessary plugging, de-watering, cleaning and unplugging, protection and repair of any existing structures. All works shall be done in accordance with Technical Specification and direction of Engineering in charge and Standard detail Drawings for the diameter of the existing water pipelines given below.				
	WASA-14/1-3	a) 75 to 315mm dia PVC	5.00	No.	2284.00	11,420.01
10	PWD-3.4	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 the technical specification necessary additional excavation ; supply of all materials and for the wrapping of all PVC jetting encased in concrete with two layers of heavy duty polytheist sheeting .	0.65	Cum	7643.00	4,952.66
11	WASA-20	Hire charge of de-watering pump: 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 of the trench to keep the trench in a dry condition at all timed etc. All complete as per direction of the E/C.	7.00	day	2141.00	14,987.01
12	MR	Traffic Managent Etc. all complete as per E/C				
		a) Traffic signalman /flagman	10.00	Each	647.00	6,470.00
13	MR	Safety Barrier for construction works	1.00	LS	4000.00	4,000.00
		Total Tk=				232,420.59

Summery of Cost

Total Cost (PART-B)	232,420.59
Add. Cost of (part-A): Cost of depttl. Materials	23,749.00
Total Cost (PART -A+B)	256,169.59

Total amount Taka in word : (Two lac Fifty Six Thousand One Hundred Sixty Nine Point Five Nine) only.

Tender Amount :

232,420.59

Tender amount Taka in word : (Two lac Thirty Two Thousand Four Hundred Twenty Point Five Nine) only.


 28.11.23
 Sub-Assistant Engineer
 MODS Zone-3
 Dhaka WASA


 28.11.23
 AE/SDE
 MODS Zone-3
 Dhaka WASA


 28.11.23
 Executive Engineer
 MODS Zone-3
 Dhaka WASA