

Section-6
Bill of Quantities

Title of Work: Interconnection of Water Line at Mohakali Area (DMA-507) under MODS Zone Area DWASA, Dhaka.(Fy:2023-24).

Schedule-1

Sl. No.	Description of the item	Unit	Quantity	Rate(Tk.)	Amount (Tk.)
1	Earth work in excavation for removal of soft soil (on written permission of I/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.				
	(a) surrounding 200 mm dia water line	Cum	58.67	288.000	16896.960
	for interconnection	Cum	8.33	288.000	2399.040
2	Lay of HDPE Water pipe line in accordance with the technical specification and the standard details drawing of any diameter and to the depth specified below,) de-watering of the trench to keep the trench in a dry condition at all times the preparation of trench bottom, provision & laying of sand bedding & surrounding materials including boxing if required up to a depth of 1.5 M transport to site, Laying jointing and cleaning of the waterpipe lines, back filling of the trench with selected excavated earth to the temporary road reinstatement.				
	200 mm dia HDPE Pipe	P/M	30.00	86.000	2580.000
	100 mm dia HDPE Pipe	P/M	5.00	64.000	320.000
3	Extra-over item 1 for installing of HDPE (PN16, 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. (HDPE fittings will be supplied by Dhaka WASA)				
	315x200x315 mm dia HDPE TEE	Nos	1	3000.000	3000.000
4	Extra-over item 1 for laying of Gate Valve /Non-return Valve/Bulk Water Meter/Pressure Sustaining Valve/Pressure Reducing Valve (BSPN 16) in accordance with the technical specification and the standard detailed drawings, of any diameter, specified below. The rate includes for transportation of plants to site, excavation, backfilling, dewatering, cleaning, jointing and laying of the plants as per specifications and direction of Engineering in charge as per specifications and the standard detail drawing and direction of the Engineer in charge. Plants will be supplied from DWASA				
	250 mm dia CI Gate Valve	Nos	1.00	1318.000	1318.000
	250 mm dia stub End	Nos	2.00	600.000	1200.000
	110 mm dia CI Gate Valve	Nos	1.00	776.000	776.000
	110 mm dia Stub End	Nos	2.00	500.000	1000.000
5	Back-filling with sand (FM-0.8) for supply and placing of saturated river sand back filling at all required depth in accordance with the technical specification and the standard detail drawing for all water pipe line diameters.				
	a) Bedding and surrounding by Sand (FM-0.8)	cum	65.85	1167.000	76846.950
6	The excavation of trial holes (1.2 m x 0.6 m x 1.5m) in accordance with the technical specification. and Standard detail drawings and direction of Engineer in charge.	Cum	4.08	288.000	1175.040
7	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. 315mm and 115 mm dia DI	Nos	1	3041.000	3041.000
8	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.	cum	2.53	7832.761	19816.885

(Signature)

(Signature)

M/S. ASHIK ENTERPRISE

(Signature)
Proprietor

Sl. No.	Description of the item	Unit	Quantity	Rate (Tk.)	Amount (Tk.)
9	Hire charge of de-watering Pump : Bailing out of all water from pipe line trench with supply of de-watering pump required 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.	P/day	4	1862.001	7448.004
10	Reconstruction & repairing of service manhole (Sewer/ storm sewer pit) Reconstruction and repairing of other utilities services (Telephone /Gas /Electricity /Sewer/surface & underground drains/storms sewer pit or any other system in the pipe alignment), includes all necessary materials, cables, replacement, reinstallation, repairing of broken service manhole, sewer pit including supply of all types of cables, pipes, fittings, coarse & fine aggregates, bricks, cement and any other works in accordance with Technical Specification and direction of Engineering in charge.	Each	5	1500.001	7500.005
11	Road Safety measures Emergency Light, flag, and tools as per direction of Engineer in Charge	LS	1	6000.000	6000.000
	Operating cost for Electro-fusion & Butt-fusion machine	P/day	2	3500.000	7000.000
	Operating cost for HDD machine	P/day	1	30000.000	30000.000
Sub-Total(Schedule-1)					188,317.88

Schedule No-2 (Sluice Valve Chamber)

1	Earth work in excavation up to the required depth for water pipe line chamber all kinds of soil, precautions necessary to avoid damage of under ground utility service, including removing the excavated. De-watering machine will be install for maintain the excavation site to drh condition at all time and disposal of surplus excavated materials etc. All complete as per drawing. Specification & direction of E/C.	18.79	P/m³	217.00	4077.43
2	Brick flat soling to the base of water pipe line chamber including the supply of first class bricks, all in accordance with the technical specification and standard De tail drawings at all depths.	10.00	P/m²	636.00	6360.00
3	Placing of Mass concrete (1:3:6) for the base slab of water pipe line chamber including the supply of all materials all in accordance with the technical specification and standard drawings.	3.46	P/m³	10458.00	36184.68
4	Extra-over item 3/2 for fixing of mild steel reinforcing rods in top slab of chamber all in accordance with the technical specification and standard details drawings. The rate to include of supply transportation cleaning of loose rust and binding cutting and fixing with G.I. Binding wire.	572.00	P/kg	121.00	69212.00
5	Erection of Brick work (1:4) for the walls of chamber at any required depth, all in accordance with the technical specification and standard details drawings, the rate to include the supply of first class bricks, the preparation of sand cement mortar including the supply of all materials and flush pointing to the face of the brick work wall.	11.78	P/m³	8419.00	99175.82
6	Extra-over item 4/1 for the provision of sand cement plaster (1:4) to the faces of chamber flush pointing finish, all in accordance with the technical specification and standard details. The rate to include for the supply of all materials.	95.38	P/m²	315.00	30044.70
7	Back filling at all required depth in accordance with the technical specification by Excavated Earth for Road surface.	32.92	P/m	503.00	16558.76
total Tk					261613.39
Schedule No-1					188,317.88
Schedule No-2					261,613.39
					449,931.27

Tender Price quoted by the tenderer: 3 (Three) percent above/below/ at par the total estimated cost in the BOQ = 4,36,433.33

In word Four Lac Thirty Six Thousand Four Hundred Thirty Three and Paise Three Three only.

This Bill of Quantities contains (insert number) correction duly initialed and signed by the Tender

1. It is suggested the Tender uses these of the BOQ in order to avoid any manipulation, distortion and inadvertent mistakes or omissions in course of preparing the Tender.

2. Tender's profit, overheads, V A T and all other charges including corresponding service for banking shall be deemed included in all the unit rates and prices in the BOQ against each basic item or activity and thus forth the total Tender Price quoted by the Tenderers.

3. Follow the Guidance notes under Section-6 in filling this Schedule

M/S. ASHIK ENTERPRISE

Proprietor

31-10-2023