

Bill of Quantities

Of Work:- Repairing & maintenance work of different dia water line leakage/burst/ contamination at different areas (When & Required) under MODS Zone-2, Dhaka WASA.(Group-1)

No.: 46.113.405.00.00.038.2024-25-1087 Package No.: WLM24, Lot No.: Single

Description of Materials	Quantity	Unit	Total Rate (Tk)	Total Amount (Tk)
Supply, Installation and laying of HDPE Pipe in accordance with the technical specification and direction of Engineering in charge.				
75 mm dia hdpe Pipe	10	Rm	862.501	8625.012
110 mm dia hdpe Pipe	13	Rm	1322.500	17192.500
160 mm dia hdpe Pipe	10	Rm	1437.500	14375.000
210 mm dia hdpe Pipe	6	Rm	1926.250	11557.500
Supply, Installation and laying of HDPE Fittings in accordance with the technical specification and direction of Engineering in charge.				
75 mm dia hdpe end Cap	4	Nos	1265.001	5060.005
110 mm dia hdpe end Cap	8	Nos	1725.001	13800.009
160 mm dia hdpe end Cap	10	Nos	2070.001	20700.012
75 mm dia hdpe Sleeve	16	Nos	2875.001	46000.018
110 mm dia hdpe Sleeve	12	Nos	5175.001	62100.014
160 mm dia hdpe Sleeve	7	Nos	8050.001	56350.008
210 mm dia hdpe Sleeve	4	Nos	9775.001	39100.005
Earth work in excavation up to the required depth for pipeline chamber all kinds of soil, precautions necessary to avoid damage of under ground utility services, including removing the excavated earth & stacking the same to safe distance. de-watering machine will be install for maintain the excavation site to dry condition at all time and disposal of surplus excavated materials etc. all complete as per drawing, Specification & Direction of the E/C	35.10	Cum	171.351	6014.425
Extra-over item 1 for the supply depositing and compaction of fine sand and 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.	35.10	Cum	578.451	20303.635
Extra-over item 1 for the excavation and removal of soft soil (on written permission of E/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,	35.10	Cum	331.201	11625.160
The excavation of trial holes and the completion of back fill with approved fill materials, all in accordance with the technical specification.	27.36	Cum	184.001	5034.271

M/s. S.I. Construction

Proprietor

Sl no	Description of Materials	Quantity	Unit	Total Rate (Tk)	Total Amount (Tk)
7	Shifting and connection of existing Service Lines to improved systems for all depths, diameters, length up to meter chambers at consumers premises. The rate to include all necessary uPVC BS E-class pipes/ PE Pipe, excavation, PVC clamp saddles or CI clamps, quality fittings, valves, appropriate drilling system for making holes in pipes, backfilling with sand (FM 0.8), plugging, de-watering, cleaning, unplugging, fitting fixing of float valve / check valve at the end of service line(in the reservoirs), shifting or change of service meter. The contractor will responsible for work up to the meter chamber and contractor will keep record of service line shifting works. The contractor will arrange to make the meter chamber with cost of consumer if there is no chamber or poor quality chamber. The rate includes all pipes, fittings, materials (domestic meter shall be provided by DWASA), installation arrangement, for necessary diversion and provide water to consumer for disturbing period, pressure test of each connection. After completion of work, contractor will submit the list of shifting work. All works shall be done in accordance with Technical Specification, direction of Engineering in charge and approved drawings.				
a	DN-20 to DN-25 mm dia	10.00	Nos	1398.400	13984.000
b	DN-20 to DN-25 mm dia	3.00	Nos	2439.150	7317.450
8	Supply and Installation of MS casing pipe to water distribution pipe lines lying on the alignment of the sewer main at all depths, for the diameter of water pipeline given below. The rate to include excavation of the water pipeline; necessary cleaning; cutting of the water pipeline and re-jointing to the approval of the Engineer; supply and fit of the required casing pipe, and backfill of all excess excavation in accordance with the Technical Specification. in accordance with Technical Specification and direction of Engineering in charge.	3.00	Rm	5138.200	15414.600
a	Hire charge for Generator	15.00	Day	2875.000	43125.000
b	Hire charge for Electrofusion machine	10.00	Day	2875.000	28750.000
9	Hire charge for D-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 accessories & manpower to keep the trench in a dry condition at all times etc. all completed as per direction of the E/C.	15.00	Day	2141.300	32119.500
10	Reconstruction & repairing of service manhole (Sewer/ storm sewer pit)				

M/s. S.L Construction

Proprietor

