

Office of the Executive Engineer
MODS Zone-4, Dhaka WASA
Darus salam Road, Mirpur, Dhaka-1216

Estimate

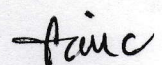
Name of work: Construction of Water Line at Suna Mia Koborostan Goli, Sewrapa area DMA-411 under Mods Zone-4, Dhaka WASA.

SL No	Item Code	Description of the item	Unit	Quantity	Rate(Tk.)	Amount (Tk.)
1	2	3	4	5	6	7 = 5*6
1	Pre-Approved rate	Supply and laying of (HDPE)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, of any 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				
		75 mm dia HDPE Pipe	P/M	5	1172.001	5860.005
2		110 mm dia HDPE Pipe	P/M	10	2024.001	20240.010
3		160 mm dia HDPE Pipe	P/M	10	2933.001	29330.010
4		225 mm dia HDPE pipe	P/M	12	3888.001	46656.012
5	Pre-Approved rate	Extra –over item I for supply and lay of HDPE type flexible coupling/adpoterss for the pipe materials and diameter given below in accordance with the technical specification and the standard detail drawing.				
		75mm dia HDPE Sleeve	P/Nr	2	1293.001	2586.002
6		110mm dia HDPE Sleeve	P/Nr	4	1923.001	7692.004
7		160mm dia HDPE Sleeve	P/Nr	4	2375.001	9500.004
8		225mm dia HDPE Sleeve	P/Nr	5	2880.001	14400.005
9	Pre-Approved rate	Extra-over item I for supply and lay of cost HDPE fitting in accordance with the technical specification				
		75mm dia HDPE Saddle	P/Nr	2	680.001	1360.002
10		110mm dia HDPE Saddle	P/Nr	4	850.001	3400.004
11		160mm dia HDPE Saddle	P/Nr	4	1050.001	4200.004
12		225mm dia HDPE Saddle	P/Nr	5	1200.001	6000.005
13	PWD-2022 (2nd Revised) 2.10.1	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 design supplied by the design office only, all complete and accepted by the Engineer-in-charge.	cum	23.15	1118.001	25881.374
14	Pre-Approved rate	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 surface.	cum	16.79	134.001	2249.287
15	Pre-Approved rate	Extra over item I for the excavation & removal of loose soil from site and the back of the excess excavation with approved with the technical specification.	cum	23.83	288.001	6863.732
16	16	connection of existing house service line to new water main at all depth in accordance with the technical specification for the diameter of service line giver below the rate to include for plugging dewatering cleaning and unplugging of the existing service line the rate also to including for necessary diversion and pumping to keep the service line in continues operation.				
	16/1	DN 20 to DN 25 mm dia	P/Nr	5	1216.001	6080.005
17	16/2	DN 32 to DN 50 mm dia	P/Nr	5	2021.001	10105.005

SL No	Item Code	Description of the item	Unit	Quantity	Rate(Tk.)	Amount (Tk.)
18	PWD-2022 (2nd Revised) 3.5.1	Mass concrete (1:2:4) in foundation or in floor with cement, sand (F.M. 1.2) and picked jhama brick chips including breaking of chips, screening, mixing, laying, compacting to required level and curing for at least 7 days including the supply of water, electricity, costs of tools & plants and other charges etc. all complete and accepted by Engineer-in-charge. Mass concrete in foundation (1:2:4) with brick chips and local sand of F.M. 1.2.	cum	2	10796.001	21592.002
19	PWD-2022 (2nd Revised) 2.19.1	Bailing out water by 1 cusec diesel operated pump including hire charge of pump, fuel, operator, spares and maintenance etc. all complete and accepted by the Engineer-in-charge.	Per Hour	15	693.001	10395.015
20	Pre-Approved rate	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, course & fine aggregates, bricks, cement and any other works in accordance with Technical Specification and direction of Engineering in charge, each unit includes total safety, repair, replacement of other utilities for each 100 meter pipelines alignment, all mentioned cost will be paid by Contractor..	Each	10	1500.001	15000.010
21	PWD-2022 (2nd Revised) 24.10.1	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.	cum	5.624	6582.001	37017.174
22	Pre-Approved rate	Bailing out water by 1 cusec diesel operated pump including hire charge of pump, fuel, operator, spares and maintenance etc. all complete and accepted by the Engineer-in-charge.	P/Day	6	1500.001	9000.006
					Grand Total	295407.677

In Word: Two Lakh Ninety-Five Thousand Four Hundred Seven Point Six Seven Seven Taka Only.


09.09.26
তৌফিক হাসান
উপ-সহকারী প্রকৌশলী
মডস জোন-৪, ঢাকা ওয়াসা।


09-09-2026
মোঃ কায়কোবাদ হোসেন
সহকারী প্রকৌশলী
মডস জোন-৪, ঢাকা ওয়াসা


09/09/2026
মোঃ এমদাদুল হক
নির্বাহী প্রকৌশলী
মডস জোন-৪, ঢাকা ওয়াসা।