

M/S. MEGHA ENTERPRISE**Priced Bill of Quantities (BOQ)****Unit Rate Basis**

Estimate by the Procuring Entity

Item No.	Group	Item Code (If any)	Description of Items of Works (specifications preferably built-in)	Unit	Quantity	Unit rates or prices (in figures) (BDT)	Unit rates or prices (in words) (BDT)	Amount (in figure) (BDT)	Amount (in words) (BDT)	I have seen
1	Civil	N/A	Supply, lay, fitting and fixing of HDPE water pipelines (including supply of materials, fittings, Equipment described in schedule) 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 road, CC, RCC road 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 deptt material rate)(l) 75 mm dia HDPE Pipe (PN 10)	m	6.000	1172.001	One Thousand One Hundred and Seventy-Two point Zero Zero One	7032.006	Seven Thousand AND Thirty-Two point Zero Zero Six	I have seen
2	Civil	N/A	Supply, lay, fitting and fixing of HDPE water pipelines (including supply of materials, fittings, Equipment described in schedule) 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 road, CC, RCC road 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	m	6.000	2024.001	Two Thousand AND Twenty-Four point Zero Zero One	12144.006	Twelve Thousand One Hundred and Forty-Four point Zero Zero Six	I have seen

			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 deptt material rate)(II) 110 mm dia HDPE Pipe (PN 10)							
3	Civil	N/A	Supply, lay, fitting and fixing of HDPE water pipelines (including supply of materials, fittings, Equipment described in schedule) 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 road, CC, RCC road 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 deptt material rate)(III) 160 mm dia HDPE Pipe (PN 10)	m	6.000	2933.001	Two Thousand Nine Hundred and Thirty-Three point Zero Zero One	17598.006	Seventeen Thousand Five Hundred and Ninety-Eight point Zero Zero Six	I have seen
4	Civil	N/A	Supply, lay, fitting and fixing of HDPE water pipelines (including supply of materials, fittings, Equipment described in schedule) 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 road, CC, RCC road 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	m	6.000	4000.001	Four Thousand point Zero Zero One	24000.006	Twenty-Four Thousand point Zero Zero Six	I have seen

			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 deptt material rate) (IV) 225 mm dia HDPE Pipe (PN 10)							
5	Civil	N/A	Supply, lay, fitting and fixing of HDPE water pipelines (including supply of materials, fittings, Equipment described in schedule) 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 road, CC, RCC road 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 deptt material rate) (V) 250 mm dia HDPE Pipe (PN 10)	m	4.000	5000.001	Five Thousand point Zero Zero One	20000.004	Twenty Thousand point Zero Zero Four	I have seen
6	Civil	N/A	Supply, lay, fitting and fixing of HDPE water pipelines (including supply of materials, fittings, Equipment described in schedule) 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 road, CC, RCC road 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	m	4.000	6400.001	Six Thousand Four Hundred point Zero Zero One	25600.004	Twenty-Five Thousand Six Hundred point Zero Zero Four	I have seen

			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 Annexure -----) as per specifications and direction of Engineering in charge (cost of excess excavated earth would be deducted as per deptt material rate) (VI) 315 mm dia HDPE Pipe (PN 10)							
7	Civil	N/A	Extra Over Item for Pipe laying at Loose soil for shoring and boxing with wooden strurt, runner, plank, bamboo and Shabollah with the technical specifications, standard detailed drawings and direction of Engineering in charge.	item	4.000	2000.001	Two Thousand point Zero Zero One	8000.004	Eight Thousand point Zero Zero Four	I have seen
8	Civil	N/A	Supply, lay, fitting and fixing of DI/CI/MS/GI fittings for PVC/HDPE pipes in accordance with the technical specifications, standard detailed drawings and direction of Engineering in charge. (III) 225 mm dia MS Special (M.S. - HDPE) Dresser Coupling in/c nut-bolts	Each	2.000	2250.001	Two Thousand Two Hundred and Fifty point Zero Zero One	4500.002	Four Thousand Five Hundred point Zero Zero Two	I have seen
9	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (II) 225×160×225 mm dia HDPE EF Tee	Each	1.000	4057.001	Four Thousand AND Fifty-Seven point Zero Zero One	4057.001	Four Thousand AND Fifty-Seven point Zero Zero One	I have seen
10	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (III) 160×110×160mm dia HDPE EF Tee	Each	1.000	3520.644	Three Thousand Five Hundred and Twenty point Six Four Four	3520.644	Three Thousand Five Hundred and Twenty point Six Four Four	I have seen
11	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (IV) 160×225×160 mm dia HDPE EF Tee	Each	1.000	4100.004	Four Thousand One Hundred point Zero Zero Four	4100.004	Four Thousand One Hundred point Zero Zero Four	I have seen
12	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (V) 160×160×160 mm dia HDPE EF Tee	Each	1.000	3725.001	Three Thousand Seven Hundred and Twenty-Five point Zero Zero One	3725.001	Three Thousand Seven Hundred and Twenty-Five point Zero Zero One	I have seen
13	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (I) 225×90° HDPE EF Bend	Each	1.000	2917.312	Two Thousand Nine Hundred and Seventeen point Three One Two	2917.312	Two Thousand Nine Hundred and Seventeen point Three One Two	I have seen
14	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in	Each	1.000	702.239	Seven Hundred	702.239	Seven Hundred	I have

			accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (II) 160×90° HDPE EF Bend				and Two point Two Three Nine		and Two point Two Three Nine	seen
15	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (III) 110×90° HDPE EF Bend	Each	1.000	383.001	Three Hundred and Eighty-Three point Zero One	383.001	Three Hundred and Eighty-Three point Zero One	I have seen
16	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (I) 225 mm dia HDPE End cap	Each	1.000	1082.001	One Thousand AND Eighty-Two point Zero Zero One	1082.001	One Thousand AND Eighty-Two point Zero Zero One	I have seen
17	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (II) 160 mm dia HDPE End cap	Each	1.000	814.001	Eight Hundred and Fourteen point Zero Zero One	814.001	Eight Hundred and Fourteen point Zero Zero One	I have seen
18	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (III) 110 mm dia HDPE End cap	Each	1.000	577.001	Five Hundred and Seventy-Seven point Zero Zero One	577.001	Five Hundred and Seventy-Seven point Zero Zero One	I have seen
19	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (IV) 75 mm dia HDPE End cap	Each	1.000	465.001	Four Hundred and Sixty-Five point Zero Zero One	465.001	Four Hundred and Sixty-Five point Zero Zero One	I have seen
20	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (I) 315 mm dia HDPE EF Sleeve	Each	4.000	8520.001	Eight Thousand Five Hundred and Twenty point Zero Zero One	34080.004	Thirty-Four Thousand AND Eighty point Zero Zero Four	I have seen
21	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (II) 250 mm dia HDPE EF Sleeve	Each	4.000	7605.001	Seven Thousand Six Hundred and Five point Zero Zero One	30420.004	Thirty Thousand Four Hundred and Twenty point Zero Zero Four	I have seen
22	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (III) 225 mm dia HDPE EF Sleeve	Each	6.000	4108.001	Four Thousand One Hundred and Eight point Zero Zero One	24648.006	Twenty-Four Thousand Six Hundred and Forty-Eight point Zero Zero Six	I have seen
23	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings	Each	8.000	4108.001	Four Thousand One Hundred	32864.008	Thirty-Two Thousand Eight Hundred	I have seen

			and direction of Engineering in charge. (IV) 160 mm dia HDPE EF Sleeve				and Eight point Zero Zero One		and Sixty- Four point Zero Zero Eight	
24	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (V) 110 mm dia HDPE EF Sleeve	Each	8.000	1923.001	One Thousand Nine Hundred and Twenty- Three point Zero Zero One	15384.008	Fifteen Thousand Three Hundred and Eighty- Four point Zero Zero Eight	I have seen
25	Civil	N/A	Supply, lay, fitting and fixing of HDPE Fittings for PVC/HDPE pipes in accordance with the technical specification, standard detailed drawings and direction of Engineering in charge. (VI) 75 mm dia HDPE EF Sleeve	Each	10.000	1293.001	One Thousand Two Hundred and Ninety- Three point Zero Zero One	12930.010	Twelve Thousand Nine Hundred and Thirty point Zero One	I have seen
26	Civil	N/A	Pipe bedding surrounding: 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.	Cum	11.520	1088.001	One Thousand AND Eighty- Eight point Zero Zero One	12533.772	Twelve Thousand Five Hundred and Thirty- Three point Seven Seven Two	I have seen
27	Civil	N/A	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. .	Cum	23.040	1054.001	One Thousand AND Fifty- Four point Zero Zero One	24284.183	Twenty- Four Thousand Two Hundred and Eighty- Four point One Eight Three	I have seen
28	Civil	N/A	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.	Cum	16.128	331.001	Three Hundred and Thirty- One point Zero Zero One	5338.384	Five Thousand Three Hundred and Thirty- Eight point Three Eight Four	I have seen
29	Civil	N/A	The excavation of trial holes and the completion of back fill with approved fill materials, all in accordance with the technical specification.	Cum	11.250	184.001	One Hundred and Eighty- Four point Zero Zero One	2070.011	Two Thousand AND Seventy point Zero One One	I have seen
30	Civil	N/A	Hire Charge of 5 KVA mobile Generator for power supply to drive electrofusion machine. Including fuel and operators all complete as per direction of the E/C.	P/Day	8.000	2000.001	Two Thousand point Zero Zero One	16000.008	Sixteen Thousand point Zero Zero Eight	I have seen
31	Civil	N/A	Hire Charge of electrofusion machine to joint sleeve in the excavation. all complete as per direction of the E/C.	P/Day	6.000	1500.001	One Thousand Five Hundred	9000.006	Nine Thousand point Zero Zero Six	I have seen

							point Zero Zero One			
32	Civil	N/A	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 .	Cum	1.200	7833.001	Seven Thousand Eight Hundred and Thirty- Three point Zero Zero One	9399.601	Nine Thousand Three Hundred and Ninety- Nine point Six Zero One	I have seen
33	Civil	N/A	Palisading work by supplying of bitumen drum sheet walling tied with 20 BWG G.I. wire fixing the same with already driven borrak bamboo posts with half split borrak bamboo runners @ 450mm c/c horizontally with iron nails, G.I wire etc. all complete and accepted by the Engineer-in-charge. (Rate is excluding the cost of bamboo post).	Sqm	6.000	613.001	Six Hundred and Thirteen point Zero Zero One	3678.006	Three Thousand Six Hundred and Seventy- Eight point Zero Zero Six	I have seen
34	Civil	N/A	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	5.000	1725.001	One Thousand Seven Hundred and Twenty- Five point Zero Zero One	8625.005	Eight Thousand Six Hundred and Twenty- Five point Zero Zero Five	I have seen
35	Civil	N/A	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.	day	8.000	1862.001	One Thousand Eight Hundred and Sixty- Two point Zero Zero One	14896.008	Fourteen Thousand Eight Hundred and Ninety-Six point Zero Zero Eight	I have seen
36	Civil	N/A	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 belowA. Asphalt/concrete road surface.	Sqm	12.000	73.601	Seventy- Three point Six Zero One	883.212	Eight Hundred and Eighty- Three point Two One Two	I have seen
37	Civil	N/A	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	Sqm	12.000	36.801	Thirty-Six point Eight Zero One	441.612	Four Hundred and Forty- One point Six One Two	I have seen

			for all water pipeline of any diameters for the type of road Surface given belowB. Katcha road/BFS/HBB Rd.							
								Grand Total:	398693.092	Three Lakh Ninety- Eight Thousand Six Hundred and Ninety- Three point Zero Nine Two

This Priced Bill of Quantities (BOQ) is Electronically Signed by Mr. Mustafa Ahmed on behalf of M/S. MEGHA ENTERPRISE