

M/S METHILA 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	-	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, 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 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)	rm	225.000	73.601	Seventy-Three point Six Zero One	16560.225	Sixteen Thousand Five Hundred and Sixty point Two Two Five	I have seen
2	Civil	-	uPVC Pipe (PN -10) (ISO 4422-2 (1996) 110 mm dia	rm	265.000	81.649	Eighty-One point Six Four Nine	21636.985	Twenty-One Thousand Six Hundred and Thirty-Six point Nine Eight Five	I have seen
3	Civil	-	uPVC Pipe (PN -10) (ISO 4422-2 (1996) 160 mm dia	rm	271.000	98.899	Ninety-Eight point Eight Nine Nine	26801.629	Twenty-Six Thousand Eight Hundred and One point Six Two Nine	I have seen
4	Civil	-	Extra-over item 1 for supply (fittings described in schedule of requirement Annex -) and lay of uPVC/ DI/ MS	each	1.000	33.349	Thirty-Three point	33.349	Thirty-Three point	I have seen

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মেজ আফজাল হোসেন
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মডুস জোন-৭, ঢাকা ওয়াসা

			fittings as per specifications and direction of Engineering in charge. (uPVC fittings mentioned in the deptt materials chart Annex --- will be supplied by the DWASA.				Three Four Nine		Three Four Nine	
			110 mm dia 450 uPVC bend (PN-10) ISO 4422							
5	Civil	-	225 mm dia 900 uPVC bend (PN-10) ISO 4422	each	1.000	67.851	Sixty-Seven point Eight Five One	67.851	Sixty-Seven point Eight Five One	I have seen
6	Civil	-	160 mm dia 900 uPVC bend (PN-10) ISO 4422	each	1.000	43.699	Forty-Three point Six Nine Nine	43.699	Forty-Three point Six Nine Nine	I have seen
7	Civil	-	160 mm dia 450 uPVC bend (PN-10) ISO 4422	each	1.000	43.699	Forty-Three point Six Nine Nine	43.699	Forty-Three point Six Nine Nine	I have seen
8	Civil	-	110 mm dia 900 uPVC bend (PN-10) ISO 4422	each	2.000	33.349	Thirty-Three point Three Four Nine	66.698	Sixty-Six point Six Nine Eight	I have seen
9	Civil	-	uPVC TEE (PN-10) ISO 4422-225 X 110 X 225 mm	each	3.000	102.351	One Hundred and Two point Three Five One	307.053	Three Hundred and Seven point Zero Five Three	I have seen
10	Civil	-	uPVC TEE (PN-10) ISO 4422-225 X 160 X 225 mm	each	2.000	101.201	One Hundred and One point Two Zero One	202.402	Two Hundred and Two point Four Zero Two	I have seen
11	Civil	-	uPVC TEE (PN-10) ISO 4422-225 X 225 X 225 mm	each	2.000	102.351	One Hundred and Two point Three Five One	204.702	Two Hundred and Four point Seven Zero Two	I have seen
12	Civil	-	225 X 160 mm dia Reducer	each	2.000	59.799	Fifty-Nine point Seven Nine Nine	119.598	One Hundred and Nineteen point Five Nine Eight	I have seen
	Civil	-	225 X 110 mm dia Reducer	each	1.000	59.799	Fifty-Nine point Seven Nine Nine	59.799	Fifty-Nine point Seven Nine Nine	I have seen
14	Civil	-	160 X 110 mm dia Reducer	each	1.000	59.799	Fifty-Nine point Seven Nine Nine	59.799	Fifty-Nine point Seven Nine Nine	I have seen
15	Civil	-	End Cap PN 10 ISO 4422 PVC End Cap 160 mm (PN 10)	each	3.000	86.251	Eighty-Six point Two Five One	258.753	Two Hundred and Fifty-Eight point Seven Five Three	I have seen
16	Civil	-	Extra-over item 1 for the supply (including supply of fittings described in schedule of requirement Annex-----) and installation following adopters for jointing	each	6.000	951.049	Nine Hundred and Fifty-One point	5706.294	Five Thousand Seven Hundred	I have seen

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			components of pipelines, diameter given below, as per specifications and direction of Engineering in charge and the standard detail drawings.				Zero Four Nine		and Six point Two Nine Four	
			CI 100 mm dia Dresser Coupling in/c nut-bolts							
17	Civil	-	CI 150 mm dia Dresser Coupling in/c nut-bolts	each	10.000	1411.049	One Thousand Four Hundred and Eleven point Zero Four Nine	14110.490	Fourteen Thousand One Hundred and Ten point Four Nine	I have seen
18	Civil	-	CI 225 mm dia Dresser Coupling in/c nut-bolts	each	12.000	1667.499	One Thousand Six Hundred and Sixty-Seven point Four Nine Nine	20009.988	Twenty Thousand AND Nine point Nine Eight Eight	I have seen
19	Civil	-	CI F/Adopter 150 mm dia Flange Adapter in/c nut-bolts	each	12.000	1756.049	One Thousand Seven Hundred and Fifty-Six point Zero Four Nine	21072.588	Twenty-One Thousand AND Seventy-Two point Five Eight Eight	I have seen
20	Civil	-	CI F/Adopter 225 mm dia Flange Adapter in/c nut-bolts	each	4.000	2530.001	Two Thousand Five Hundred and Thirty point Zero Zero One	10120.004	Ten Thousand One Hundred and Twenty point Zero Zero Four	I have seen
21	Civil	-	Extra-over item 1 for the supply (including supply of fittings described in schedule of requirement Annex----) and lay of Ductile/cast iron gate valves and fittings within chamber as per specifications and direction of Engineering in charge and the standard detail drawings within chamber as per specifications and direction of Engineering in charge and the standard detail drawings within chamber as per specifications and direction of Engineering in charge and the standard detail drawings	each	1.000	1225.901	One Thousand Two Hundred and Twenty-Five point Nine Zero One	1225.901	One Thousand Two Hundred and Twenty-Five point Nine Zero One	I have seen
			Gate valve (Fl.. type) BS 5160 Local 160 mm dia							
22	Civil	-	Gate valve (Fl.. type) BS 5150 Local 200 mm dia	each	2.000	1515.699	One Thousand Five Hundred and Fifteen point Six Nine Nine	3031.398	Three Thousand AND Thirty-One point Three Nine Eight	I have seen
23	Civil	-	Extra-over item 1 for the 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 and direction of Engineering in charge and standard detail drawings for all pipelines. 6/a-	cum	200.073	578.449	Five Hundred and Seventy-Eight point Four Four Nine	115732.027	One Lakh Fifteen Thousand Seven Hundred and Thirty-Two point	I have seen

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			Bedding and surrounding by River Saturated Sand (F.M 0.8)						Zero Two Seven	
24	Civil	-	Extra-over item 1 for the 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	352.764	578.449	Five Hundred and Seventy-Eight point Four Four Nine	204055.983	Two Lakh Four Thousand AND Fifty-Five point Nine Eight Three	I have seen
25	Civil	-	Back filling by excavated granular soil including depositing and compaction at all required depth in accordance with the technical specification by excavated soil for kutcha road surface	cum	547.920	154.001	One Hundred and Fifty-Four point Zero Zero One	84380.228	Eighty-Four Thousand Three Hundred and Eighty point Two Two Eight	I have seen
26	Civil	-	Extra over item 1 for completing 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 .8.B-Kacha road/BFS/HBB Rd.	sqm	456.600	36.801	Thirty-Six point Eight Zero One	16803.337	Sixteen Thousand Eight Hundred and Three point Three Three Seven	I have seen
27	Civil	-	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.	cum	6.300	332.001	Three Hundred and Thirty-Two point Zero Zero One	2091.606	Two Thousand AND Ninety-One point Six Zero Six	I have seen
28	Civil	-	50 mm down graded picked jhama khoa consolidation in foundation trenches by mixing in mixer machine in foundation with best quality local sand(F.M. 1.2) and cement in (1:6:12) (cement : sand : khoa) proportion to achieve minimum dry density of 90% with optimum moisture content (Modified proctor test) including breaking and screening chips etc. all complete and accepted by the Engineer.	cum	9.320	2967.001	Two Thousand Nine Hundred and Sixty-Seven point Zero Zero One	27652.449	Twenty-Seven Thousand Six Hundred and Fifty-Two point Four Four Nine	I have seen
29	Civil	-	Removal of excavated earth/debris etc.	cum	568.458	332.001	Three Hundred and Thirty-Two point Zero Zero One	188728.624	One Lakh Eighty-Eight Thousand Seven Hundred and Twenty-Eight point Six Two Four	I have seen
30	Civil	-	Extra-over item I for the provision of temporary shoring and boxing to the sides of the excavation to maintain a safe working environment for any depths. The rate to include for the supply of all materials of approved quality ; preparation and fixing of the sheeting and removal after the completion of construction ; all in accordance with the technical specification. Planks and runners shall be minimum 50mm thick	cum	8.683	4167.001	Four Thousand One Hundred and Sixty-Seven point Zero Zero One	36182.070	Thirty-Six Thousand One Hundred and Eighty-Two point Zero Seven	I have seen

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and struts shall be minimum 100mm diameter. 12.1-Garjan wooden Planks runner block (withdrawn after completion of work).

31	Civil	-	Shalballah strut	meter	80.000	77.001	Seventy-Seven point Zero Zero One	6160.080	Six Thousand One Hundred and Sixty point Zero Eight	I have seen
32	Civil	-	The excavation of trial holes and the completion of back fill with approved fill materials, all in accordance with the technical specification.	cum	22.500	184.001	One Hundred and Eighty-Four point Zero Zero One	4140.023	Four Thousand One Hundred and Forty point Zero Two Three	I have seen
33	Civil	-	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. 100/110 mm dia to 150 /160 mm dia PVC	each	2.000	2584.001	Two Thousand Five Hundred and Eighty-Four point Zero Zero One	5168.002	Five Thousand One Hundred and Sixty-Eight point Zero Zero Two	I have seen
34	Civil	-	200/225 mm dia	each	2.000	2584.001	Two Thousand Five Hundred and Eighty-Four point Zero Zero One	5168.002	Five Thousand One Hundred and Sixty-Eight point Zero Zero Two	I have seen
35	Civil	-	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.	each	60.000	1398.001	One Thousand Three Hundred and Ninety-Eight point Zero Zero One	83880.060	Eighty-Three Thousand Eight Hundred and Eighty point Zero Six	I have seen

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			DN 20 to DN 25mm dia							
36	Civil	-	DN 32mm to DN 50mm dia	each	18.000	2325.001	Two Thousand Three Hundred and Twenty- Five point Zero Zero One	41850.018	Forty- One Thousand Eight Hundred and Fifty point Zero One Eight	I have seen
37	Civil	-	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. 17.1-M.S Pipe Casing DN 200 mm for 150 /160 mm dia	meter	6.000	3528.001	Three Thousand Five Hundred and Twenty- Eight point Zero Zero One	21168.006	Twenty- One Thousand One Hundred and Sixty- Eight point Zero Zero Six	I have seen
38	Civil	-	DN 300 mm for 200/225 mm dia	meter	15.000	5138.001	Five Thousand One Hundred and Thirty- Eight point Zero Zero One	77070.015	Seventy- Seven Thousand AND Seventy point Zero One Five	I have seen
39	Civil	-	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	4.650	5628.001	Five Thousand Six Hundred and Twenty- Eight point Zero Zero One	26170.205	Twenty- Six Thousand One Hundred and Seventy point Two Zero Five	I have seen
40	Civil	-	Hiring charge for supply and installation of MS sheets (1800x900x18mm) over the trench / road surface for a smooth traffic movement during the execution of works in accordance with Technical Specification and direction of Engineering in charge.	sqm	48.000	445.001	Four Hundred and Forty- Five point Zero Zero One	21360.048	Twenty- One Thousand Three Hundred and Sixty point Zero Four Eight	I have seen
41	Civil	-	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 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	14.000	2141.001	Two Thousand One Hundred and Forty- One point Zero Zero One	29974.014	Twenty- Nine Thousand Nine Hundred and Seventy- Four point Zero One Four	I have seen
42	Civil	-	Site clening work for the removal all unsuitable and unuseable materials from the site with contractor own arrangement all complete as per direction of the E/C	LS	1.000	10000.001	Ten Thousand point Zero Zero One	10000.001	Ten Thousand point Zero Zero One	I have seen

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মডেল জোন-৭, ঢাকা ওয়াশা

43	Civil	-	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	15.000	1725.001	One Thousand Seven Hundred and Twenty-Five point Zero Zero One	25875.015	Twenty-Five Thousand Eight Hundred and Seventy-Five point Zero One Five	I have seen
44	Civil	-	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.	cum	44.000	155.001	One Hundred and Fifty-Five point Zero Zero One	6820.044	Six Thousand Eight Hundred and Twenty point Zero Four Four	I have seen
45	Civil	-	Supply and laying of single layer Polythene Sheet weighing one Kg per 6.5 Sqm in floor or any where below cement concrete in all respect and in accordance with Technical Specification and direction of Engineering in charge.	sqm	15.170	273.001	Two Hundred and Seventy-Three point Zero Zero One	4141.425	Four Thousand One Hundred and Forty-One point Four Two Five	I have seen
46	Civil	-	One layer of brick flat soling in foundation or in floor with first class or picked jhama bricks including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer.	sqm	15.170	438.001	Four Hundred and Thirty-Eight point Zero Zero One	6644.475	Six Thousand Six Hundred and Forty-Four point Four Seven Five	I have seen
47	Civil	-	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 Technical Specification and direction of Engineering in charge, and standard drawings.	cum	1.138	6647.001	Six Thousand Six Hundred and Forty-Seven point Zero Zero One	7564.287	Seven Thousand Five Hundred and Sixty-Four point Two Eight Seven	I have seen
48	Civil	-	Placing of Reinforced Cement concrete (1:2:4) for the top slab with stone chips 3/4" size and down graded of water pipe line chamber including the supply of all materials, in accordance with Technical Specification and direction of Engineering in charge, and Standard Details Drawings.	cum	1.938	7602.001	Seven Thousand Six Hundred and Two point Zero Zero One	14732.678	Fourteen Thousand Seven Hundred and Thirty-Two point Six Seven Eight	I have seen
49	Civil	-	Form work/shuttering prot and necessary support etc (wooden).	sqm	4.800	429.001	Four Hundred and Twenty-	2059.205	Two Thousand AND Fifty-Nine	I have seen

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							Nine point Zero Zero One		point Two Zero Five	
50	Civil	-	Extra over item 4 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 for supply transportation cleaning of loose rust and binding cutting and fixing with G. I. Binding wire.	Kg	929.071	82.001	Eighty-Two point Zero Zero One	76184.751	Seventy-Six Thousand One Hundred and Eighty-Four point Seven Five One	I have seen
51	Civil	-	Erection of Brickwork (1:4) for the walls 125mm th. Of chamber at any req. depth, all in accordance with Technical Specification and direction of Engineering in charge and standard details drawings. The rate to include for 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 brickwork wall.	cum	13.640	6769.001	Six Thousand Seven Hundred and Sixty-Nine point Zero Zero One	92329.174	Ninety-Two Thousand Three Hundred and Twenty-Nine point One Seven Four	I have seen
52	Civil	-	Extra-over item 1 for the 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 and direction of Engineering in charge and standard detail drawings for all pipelines. 6/a-Bedding and surrounding by River Saturated Sand (F.M 0.8)	cum	105.085	578.001	Five Hundred and Seventy-Eight point Zero Zero One	60739.235	Sixty Thousand Seven Hundred and Thirty-Nine point Two Three Five	I have seen
53	Civil	-	Removal of excavated earth/debris etc.	cum	105.085	332.001	Three Hundred and Thirty-Two point Zero Zero One	34888.325	Thirty-Four Thousand Eight Hundred and Eighty-Eight point Three Two Five	I have seen
54	Civil	-	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to wall both inner-and outer surface, finishing the corner and edges including washing of sand cleaning the surface, scaffolding and curing at least for 7 days, cost of water, electricity and other charges etc. all complete in all respect as per drawing and accepted by the Engineer.	sqm	62.000	243.001	Two Hundred and Forty-Three point Zero Zero One	15066.062	Fifteen Thousand AND Sixty-Six point Zero Six Two	I have seen
55	Civil	-	Water tightness testing of completed Gate valve and washout chambers in accordance with the technical specification. The rate to including for the supply of all necessary materials and testing water.	each	2.000	508.001	Five Hundred and Eight point Zero Zero One	1016.002	One Thousand AND Sixteen point Zero Zero Two	I have seen
							Grand Total:	1497538.380	Fourteen Lakh Ninety-Seven Thousand Five Hundred and Thirty-Eight point	

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This Priced Bill of Quantities (BOQ) is Electronically Signed by Mr. MD AL MAMUN OR RASHID on behalf of M/S METHILA ENTERPRISE

স্বাক্ষরিত
১৪/০৩/২৫
মোঃ আবদুল হোসেন
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মডুল জোন-৭, ঢাকা ওয়াশা