

M/S D. T. S CONSOLIDATERS

Priced Bill of Quantities (BOQ)

Unit Rate Basis

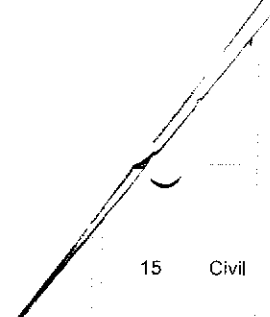
Estimate by the Procuring Entity

Item no.	Group	Item Code (if any)	Description of Item	Unit	Quantity	Unit rates or prices (in figures) (BDT)	Unit rates or prices (in words) (BDT)	Amount (in figure) (BDT)	Amount (in words) (BDT)	Select 'YES' to see the Grand Total
1	Civil	-	Supply, lay, fitting and fixing of uPVC (Unplasticized polyvinyl chloride)/DI/PE/MS/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 Annexure ----) as per specifications and direction of Engineering in charge (cost of excess excavated earth would be deducted as per deptt material rate) i) 225 mm dia HDPE Pipe PN 10, SDR17 & PE100	P/M	32.000	2994.001	Two Thousand Nine Hundred And Ninety-Four Point Zero Zero One	95808.032	Ninety-Five Thousand Eight Hundred And Eight Point Zero Three Two	Yes
2	Civil	-	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. i) 225 mm dia flange type Gate Valve	Each	5.000	31557.001	Thirty-One Thousand Five Hundred And Fifty-Seven Point Zero Zero One	157785.005	One Lakh Fifty-Seven Thousand Seven Hundred And Eighty-Five Point Zero Zero Five	Yes
3	Civil	-	iv) 225 mm dia M.S Flange adopter	Each	10.000	1495.001	One Thousand Four Hundred And Ninety-Five Point Zero Zero One	14950.010	Fourteen Thousand Nine Hundred And Fifty Point Zero One	Yes
4	Civil	-	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) 225×225×225 mm dia HDPE EF Tee	Each	4.000	5500.001	Five Thousand Five Hundred Point Zero Zero One	22000.004	Twenty-Two Thousand Point Zero Zero Four	Yes
5	Civil	-	ii) 225×160×225 mm dia HDPE EF Tee	Each	2.000	4257.001	Four Thousand Two Hundred And Fifty-	8514.002	Eight Thousand Five Hundred And	Yes

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6	Civil	-	iii) 225×110×225 mm dia HDPE EF Tee	Each	1.000	4100.004	Seven Point Zero Zero One	4100.004	Fourteen Point Zero Zero Two	Four Thousand One Hundred Point Zero Zero Four	Yes
7	Civil	-	xv) 225mm dia HDPE EF Sleeve	Each	15.000	4108.001	Four Thousand One Hundred And Eight Point Zero Zero One	61620.015	Sixty-One Thousand Six Hundred And Twenty Point Zero One Five	Twelve Thousand Three Hundred And Twenty-Five Point Three Six Nine	Yes
8	Civil	-	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	19.410	635.001	Six Hundred And Thirty-Five Point Zero Zero One	12325.369	Twelve Thousand Three Hundred And Twenty-Five Point Three Six Nine	Twenty-Two Thousand Eight Hundred And Nine Point Two Three Five	Yes
9	Civil	-	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	35.920	635.001	Six Hundred And Thirty-Five Point Zero Zero One	22809.235	Twenty-Two Thousand Eight Hundred And Nine Point Two Three Five	Two Thousand Six Hundred And Ninety-Three Point Seven Nine Six	Yes
10	Civil	-	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 A. Asphalt/concrete road surface.	Sqm	36.600	73.601	Seventy-Three Point Six Zero One	2693.796	Two Thousand Six Hundred And Ninety-Three Point Seven Nine Six	One Thousand One Hundred And Fifty-Nine Point Two Three One	Yes
11	Civil	-	B. Katcha road/BFS/HBB Rd.	Sqm	31.500	36.801	Thirty-Six Point Eight Zero One	1159.231	One Thousand One Hundred And Fifty-Nine Point Two Three One	Five Thousand Four Hundred And Twenty-Five Point One Zero Six	Yes
12	Civil	-	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	16.390	331.001	Three Hundred And Thirty-One Point Zero Zero One	5425.106	Five Thousand Four Hundred And Twenty-Five Point One Zero Six	One Thousand Six Hundred And Fifty-Six Point Zero Nine	Yes
13	Civil	-	The excavation of trial holes and the completion of back fill with approved fill materials, all in accordance with the technical specification.	Cum	9.000	184.001	One Hundred And Eighty-Four Point Zero Zero One	1656.009	One Thousand Six Hundred And Fifty-Six Point Zero Nine	Four Thousand Five Hundred And Sixty-Eight Point	Yes
14	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	Nos	2.000	2284.001	Two Thousand Two Hundred And Eighty-	4568.002	Four Thousand Five Hundred And Sixty-Eight Point		Yes

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	15	Civil	and direction of Engineering in charge and Standard detail Drawings for the diameter of the existing water pipelines given below. a) 225 to 225mm dia HDPE	Cum	0.486	7643.001	Four Point Zero Zero One	Zero Zero Two	Yes
			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 polythaist sheeting .				Seven Thousand Six Hundred And Forty- Three Point Zero Zero One	Three Thousand Seven Hundred And Fourteen Point Four Nine Eight	
	16	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 of the trench to keep the trench in a dry condition at all limed etc. All complete as per direction of the E/C.	P/Day	4.000	2141.001	Two Thousand One Hundred And Forty- One Point Zero Zero One	Eight Thousand Five Hundred And Sixty- Four Point Zero Zero Four	Yes
							Grand Total:	427692.322	Four Lakh Twenty- Seven Thousand Six Hundred And Ninety-Two Point Three Two Two

This Priced Bill of Quantities (BOQ) is Electronically Signed by Mr. Mahbubur Rahman on behalf of M/S D. T. S CONSOLIDATERS

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1	Civil	-	Earth work in excavation in all kinds of soil for foundation trenches including layout, providing center lines, local bench-mark pillars, levelling, ramming and preparing the base, fixing bamboo spikes and marking layout with chalk powder, providing necessary tools and plants, protecting and maintaining the trench dry etc., stacking, cleaning the excavated earth at a safe distance out of the area enclosed by the layout etc. all complete and accepted by the Engineer-in-charge, subject to submit method statement of carrying out excavation work to the Engineer-in-charge for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract.	Cum	15.250	126.001	One Hundred And Twenty-Six Point Zero Zero One	1921.515	One Thousand Nine Hundred And Twenty-One Point Five One Five	Yes
2	Civil	-	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge	P/Sqm	5.120	420.001	Four Hundred And Twenty Point Zero Zero One	2150.405	Two Thousand One Hundred And Fifty Point Four Zero Five	Yes
3	Civil	-	Mass concrete (1:3:6) 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 the Engineer-in-charge. (Cement: CEM-II/A-M) Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2	Cum	1.024	7643.001	Seven Thousand Six Hundred And Forty-Three Point Zero Zero One	7826.433	Seven Thousand Eight Hundred And Twenty-Six Point Four Three Three	Yes
4	Civil	-	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	7.180	635.001	Six Hundred And Thirty-Five Point Zero Zero One	4559.307	Four Thousand Five Hundred And Fifty-Nine Point Three Zero Seven	Yes
5	Civil	-	Earth filling in foundation trenches and plinth in 150 mm layer with earth available within 90 m of the building site to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) including carrying, watering, leveling, dressing and compacting to a specified percentage each layer up to finished level etc. all complete and accepted by Engineer-in-charge.	Cum	10.000	149.001	One Hundred And Forty-Nine Point Zero Zero One	1490.010	One Thousand Four Hundred And Ninety Point Zero One	Yes
6	Civil	-	Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:4) in exterior walls including filling the interstices with mortar, raking out joints, cleaning and socking the bricks at least for 24 hours before use and washing of sand, necessary scaffolding, curing at least for 7 days etc. all complete including cost of water, electricity and other charges (measurement to given as 250 mm width for one brick length and 375 mm for one brick and a half brick length) accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) In ground floor	Cum	3.770	6769.001	Six Thousand Seven Hundred And Sixty-Nine Point Zero Zero One	25519.133	Twenty-Five Thousand Five Hundred And Nineteen Point One Three Three	Yes

7	Civil	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:2:4 having minimum $f_{cr} = 24$ MPa, satisfying a specified compressive strength $f'_{c} = 19$ MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type I, best quality sand [50% quantity of best local sand (F.M. 1.2) and 50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2] and 20 mm down well graded picked jhama brick chips conforming to ASTM C-33 including breaking chips and screening, making and placing shutter in position maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hopper fed by standard measuring boxes or mixing in batching plant, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, testing charges of materials and cylinders as required, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering)	Cum	1.280	7515.001	Seven Thousand Five Hundred And Fifteen Point Zero One	9619.201	Nine Thousand Six Hundred And Nineteen Point Two Zero One	Yes
8	Civil	Form work for centering and water tight shuttering as per drawing with wooden planks (Jam/Jarul) of different thickness including supply of polythene sheet (1kg covering 6.5sqm) for making shuttering leakproof for all sorts of R.C.C. works in building construction including fitting, fixing by nails, tie rods, nuts and bolts to desired shape and size including leveling and removing the forms etc. after specified period including the cost of all materials as per direction of Engineer in charge. Individual and continuous footing of column, raft etc. With 25mm thick wooden planks.	Sqm	6.080	399.001	Three Hundred And Ninety-Nine Point Zero Zero One	2425.926	Two Thousand Four Hundred And Twenty-Five Point Nine Two Six	Yes
9	Civil	Supplying, fabrication and fixing to detail as per design : ribbed or deformed bar reinforcement for Reinforced cement concrete, produced and marked in accordance with BDS ISO 6935 - 2: 2006 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires, necessary laboratory tests (excluding splices or laps) etc. complete in all respect and accepted by the Engineer-in-charge (Measurement shall be recorded only on standard mass per unit length of bars, while dia of bars exceeds its standard) Grade 400 (RB 400 /RB 400W: complying BDS ISO 6935-2:2006) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, f_y (R_{eH})= 400 MPa but f_y not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength f_u to yield strength f_y , shall be at least 1.25 and minimum elongation after fracture and minimum total elongation at maximum force is 16% and 8% respectively : up to ground floor.	Kg	46.730	82.001	Eighty-Two Point Zero Zero One	3831.906	Three Thousand Eight Hundred And Thirty-One Point Nine Zero Six	Yes
10	Civil	Minimum 12 mm thick cement sand (F.M. 1.2) plaster with neat cement finishing to plinth wall with cement (1:4) up to 150 mm below ground level including washing of sand, finishing the edges and corners and curing at least for 7 days, cost of water, electricity, scaffolding and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) ground floor.	Sqm	29.120	280.001	Two Hundred And Eighty Point Zero Zero One	8153.629	Eight Thousand One Hundred And Fifty-Three Point Six Two Nine	Yes
11	Civil	Bituminous coating to the external faces of chamber and service pits at all depths, in accordance with the Technical Specification. To include for the supply of all materials.	Sqm	16.640	120.001	One Hundred And Twenty Point Zero Zero One	1996.816	One Thousand Nine Hundred And Ninety-Six Point Eight One Six	Yes

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**Grand
Total:** 69494.281

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Thousand
Four
Hundred
And Ninety-
Four Point
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One

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