

M/s. Nasima Enterprise

Priced Bill of Quantities (BOQ)

The work "Construction of 750 mm dia R. C. C delivery sewer line at Tejgaon sewer lifting station, Tejgaon, Dhaka under PSTP with the supply of following materials including necessary tools & equipments as per direction of the Engineer. The materials/complete works will be accepted after joint inspection of EE, AE and SAE of PSTP Division and EE, P&D(Sewer) Division in presence of SE W&STP Circle. Final bill be paid after getting satisfactory acceptance at the time of joint inspection comparing with the mentioned technical specification and sample. The contractor will provide free service during defect liability period of 06(Six) months of concerning any problem of this work.

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	N/A	N/A	Earth work in excavation in in/c. Pucca road cutting with dismantling hard rock Bituminous pavement soling, herring boade etc lead & lift from trenches of through all kinds of soil and road pavements to the required depth, width & proper gradient from the preparation of foundation bed for placing of foundation concrete or sand cushion as the case may be for pipe drain, brick sewer, manholes & catchpits etc., including taking all appropriate precaution on easy measure a against side collapsing any under ground utility serving and removing the excavated earth and other debris from the site within 24 hours by the truck to safe distance or nearest KCC dumping yard as per drawing specification and direction of the Engineer-in-charge. Extra for additional 1M. beyond 3M.depth. A) Earth work in excavation i) Upto 3.00m depth.	Cum	169.206	1042.969	One Thousand AND Forty-Two point Nine Six Nine	176476.613	One Lakh Seventy-Six Thousand Four Hundred and Seventy-Six point Six One Three	I have seen
2	N/A	N/A	B) Removal of excavated earth/debris etc.	Cum	169.206	331.199	Three Hundred and Thirty-One point One Nine Nine	56040.858	Fifty-Six Thousand AND Forty point Eight Five Eight	I have seen
3	N/A	N/A	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	11.315	595.001	Five Hundred and Ninety-Five point Zero Zero One	6732.436	Six Thousand Seven Hundred and Thirty-Two point Four Three Six	I have seen
4	N/A	N/A	Mass concrete (1:3:6) in foundation or floor with cement, sand (F.M. 1.2) and picked jhama chips including breaking chips, screening, mixing, laying, compacting to levels and curing for at least 7 days including the supply of water, electricity and other charges and costs of tools and plants etc. all complete and accepted by the Engineer. (Cement: CEM-II/A-M)	Cum	0.889	7213.001	Seven Thousand Two Hundred and Thirteen point Zero Zero One	6412.358	Six Thousand Four Hundred and Twelve point Three Five Eight	I have seen

			Mass concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2							
5	N/A	N/A	Brick works with first class bricks in 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).(Cement:CEM-II/A-M)	Cum	33.649	7529.012	Seven Thousand Five Hundred and Twenty-Nine point Zero One Two	253343.725	Two Lakh Fifty-Three Thousand Three Hundred and Forty-Three point Seven Two Five	I have seen
6	N/A	N/A	20mm thick cement plaster (1 : 3) on the invert of brick sewer, manhole, catchpits including neat cement finishing with supplying of all materials etc., complete as per specification & direction of the Engineer-in-charge.	Sqm	41.562	566.199	Five Hundred and Sixty-Six point One Nine Nine	23532.363	Twenty-Three Thousand Five Hundred and Thirty-Two point Three Six Three	I have seen
7	N/A	N/A	NCF works	Sqm	41.562	176.999	One Hundred and Seventy-Six point Nine Nine Nine	7356.432	Seven Thousand Three Hundred and Fifty-Six point Four Three Two	I have seen
8	N/A	N/A	RCC WORKS (f _c = 25 MPa, minimum f _{cr} = 33.5 MPa in nominal mix 1 : 1.5 : 3) Stone-Chips using Wooden Shutter (100% Sand of F.M. 2.2) Reinforced cement concrete works using wooden shutter with minimum cement content relates to mix ratio 1:2:4 having minimum f _{cr} = 27 Mpa, and satisfying a specified compressive strength f _c = 22 Mpa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM & Cement conforming to BDS EN-197-1- CEM 1 (32.5 to 52.5 N) / ASTM-C 150 Type ? I, best quality Sylhet sand or coarse sand of equivalent F.M. 2.2 and 20 mm down well graded stone chips conforming to ASTM C-33, making, placing shutter in position and 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, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering including cost of water, electricity, testing and other charges etc. all complete approved and accepted by the Engineer. (Rate is excluding the cost of reinforcement and its fabrication, binding, welding and placing)	Cum	19.465	13504.411	Thirteen Thousand Five Hundred and Four point Four One One	262863.360	Two Lakh Sixty-Two Thousand Eight Hundred and Sixty-Three point Three Six	I have seen
9	N/A	N/A	Supplying and fabrication of M.S High strength deformed bar/ Twisted bar reinforcement of required size and length for all types of RCC work including	Kg	607.257	130.001	One Hundred and Thirty	78944.017	Seventy-Eight Thousand Nine	I have seen

			straightening the rod, removing ruts, cleaning, cutting, hooking, bending, binding with supply of 22 B.W.G. GI wire, placing in position, including lapping, spacing and securing them in position by concrete blocks (1:1), metal chairs, etc. complete including cost of all materials, labour, local handling, laboratory test, incidentals necessary to complete the work as per specifications, drawings and direction of the Engineer. Laboratory test for physical property, strength, elongation% & bend to be performed as per ASTM. (Measurement will be based on standard weight of 490 lbs./ft ³ Chairs, laps and separators will not be measures for payment. The cost of these will be included in the unit rate) M.S. Rod, deformed (grade 40)				point Zero Zero One		Hundred and Forty- Four point Zero One Seven	
10	N/A	N/A	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	10.339	2968.001	Two Thousand Nine Hundred and Sixty- Eight point Zero Zero One	30686.162	Thirty Thousand Six Hundred and Eighty-Six point One Six Two	I have seen
11	N/A	N/A	Carrying the following sizes of machine made RCC pipes with collar & other fittings of standards as mentioned in the specification from the factory or WASA Central Store Pagla to the working site or any place of Dhaka City by truck, loading & unloading by crane or by any means, well stacked in the site etc. all complete as per direction of the E/c. B) 900 mm dia	Rm	31.800	196.849	One Hundred and Ninety-Six point Eight Four Nine	6259.798	Six Thousand Two Hundred and Fifty- Nine point Seven Nine Eight	I have seen
12	N/A	N/A	Laying, jointing of the following sizes of machine made RCC pipe with collar, of the standards as mentioned in the specification in trenches to proper lines, levels and gradient including supplying & local carrying of pipes, supplying of Cement sand & other jointing materials etc. all complete as per drawing, specification and direction of the E/c. Pipes to be used in the work must be tested as per testing procedures and passed by the E/c. (Pipe will be Supplied by the Dept.) b) 900mm dia	Rm	31.800	256.449	Two Hundred and Fifty- Six point Four Four Nine	8155.078	Eight Thousand One Hundred and Fifty- Five point Zero Seven Eight	I have seen
13	N/A	N/A	Making suitable connection of any dia new storm sewer line with the existing line or manhole of storm sewer including supplying of all necessary materials, protecting to the underground utility services and cutting of walls of existing manholes and making good the damages done and making necessary diversions arrangement of the existing flow etc. all complete as per drawing specification and direction of the Engineer-in-charge.	Each	2.000	3844.451	Three Thousand Eight Hundred and Forty- Four point Four Five One	7688.902	Seven Thousand Six Hundred and Eighty- Eight point Nine Zero Two	I have seen
14	N/A	N/A	A) Sand filling in foundation trenches and plinth with sand having F.M. 0.5 to 0.8 in 150mm layers including leveling, watering and compaction to achieve minimum dry density of 90% with	Cum	18.994	2146.999	Two Thousand One Hundred and Forty-	40780.099	Forty Thousand Seven Hundred and Eighty	I have seen

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			optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only etc. all complete and accepted by the Engineer.				Six point Nine Nine Nine		point Zero Nine Nine	
15	N/A	N/A	B) Earth filling in foundation trenches and plinth in 150 mm layer with earth available within 90 m of the building site to achive minimum dry density of 90% 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 the Engineer.	Cum	55.838	154.989	One Hundred and Fifty-Four point Nine Eight Nine	8654.276	Eight Thousand Six Hundred and Fifty-Four point Two Seven Six	I have seen
16	N/A	N/A	Fitting fixing the following sizes of CI manhole covers during casting of R.C.C. manhole slabs as per drawing specification & direction of the E/C (CI cover will be supplied departmentally) b) 550 & 450 mm dia	Each	2.000	921.151	Nine Hundred and Twenty-One point One Five One	1842.302	One Thousand Eight Hundred and Forty-Two point Three Zero Two	I have seen
17	N/A	N/A	Bailing out all source of water from channel with all leads & lifts by pump or any other means etc. all complete as per direction of the E/c	Day	65.000	2141.301	Two Thousand One Hundred and Forty-One point Three Zero One	139184.565	One Lakh Thirty-Nine Thousand One Hundred and Eighty-Four point Five Six Five	I have seen
18	N/A	N/A	Demobilization and cleaning of the work site, removal of debris and other materials from inside the sewers, restoration of the finished ground surface, filling the surrounding ground surface removing, contractor's materials sheeds, machinery etc from the work site after completion of the works upto satisfaction of the Engineer-in-charge.	LS	1.000	45000.001	Forty-Five Thousand point Zero Zero One	45000.001	Forty-Five Thousand point Zero Zero One	I have seen
19	N/A	N/A	Demolisation of the existing RCC/CC/Brick sewer deck slab/foundation/ wall/railing/ abutment/beam etc. with soling under RCC/CC in bed, without disturbing the foundation soil and dumping the materials to a safe place as per direction of the Engineer. a) RCC/CC work with soling (Measurement for only casting)	RM	10.000	217.351	Two Hundred and Seventeen point Three Five One	2173.510	Two Thousand One Hundred and Seventy-Three point Five One	I have seen
20	N/A	N/A	b) Brick work (sewer/wall)	Cum	35.580	7729.007	Seven Thousand Seven Hundred and Twenty-Nine point Zero Zero Seven	274998.069	Two Lakh Seventy-Four Thousand Nine Hundred and Ninety-Eight point Zero Six Nine	I have seen
21	N/A	N/A	Cleaning the following sizes pipe drain/Brick sewer manhole catch pits etc. including removing the bund inside the line manhole cleaning the solid semi-solid & slushy earth, debris, polythene	Cum	120.000	332.001	Three Hundred and Thirty-Two point	39840.120	Thirty-Nine Thousand Eight Hundred	I have seen

			and any other foreign materials by manually labour by using ladder or by any other means, from the existing base of the line, without making any damage to the structure, including supply of all necessary equipments materials if necessary to ensure the proper cleaning along the whole length & width up to the invert level of the line and removing the sludge & debris to safe distant place without causing any disterbence to the traffic etc. all complete as per direction the E/C. 900 mm dia and Above				Zero Zero One		and Forty point One Two	
22	N/A	N/A	Removal of Pipe line and Brick sewer sludge from the cleaning site up to the nearest D.C.C. dumping yard carrying loading unloading etc. complete as per direction of the Engineer-in-charge.	Cum	94.200	374.001	Three Hundred and Seventy-Four point Zero Zero One	35230.894	Thirty-Five Thousand Two Hundred and Thirty point Eight Nine Four	I have seen
23	N/A	N/A	Making cross bundh of required height & width for the purpose of dewatering and keeping the site always workable, with sand/ soil & empty bags arranged by the contractor and maintaining the same till the completion of work including supply of necessary planks, runner hings etc. with necessary equipments & removal the same accorately after completion of work asper direction of the Engineer-in-charge.(For Brick Sewer 2400 mm dia & Above)	Each	2.000	33466.151	Thirty-Three Thousand Four Hundred and Sixty-Six point One Five One	66932.302	Sixty-Six Thousand Nine Hundred and Thirty-Two point Three Zero Two	I have seen
24	N/A	N/A	Manufacturing and supply of machine made (Bell & spigot joint) R.C.C. Pipe as described below. The reinforced concrete pipe shall consist of sulphate resisting cement (S.R. cement), sand(F.M. 2.00) and approved jhama chips in proportion 1:1.5:3 S.R .cement will ne supplied by DWASA, or may be supplied by the supplier if necessary. The rate shall include the cost of all the materials , casting , curing, form work etc. Transportation up to pagla store , loading un loading. handling at pagla store etc. The rate shall include VAT and all other taxes to be imposed . The effect tive length of all pipe shall be 1830/2440 mm. excluding the bell length. All the work must be completed as per Drawing, Specification, detail terms and conditions mentioned in the tender documents and direction of the Engineer ?in-charge. b) 750 mm dia RCC Pipe	Rm	30.800	6528.551	Six Thousand Five Hundred and Twenty-Eight point Five Five One	201079.371	Two Lakh One Thousand AND Seventy-Nine point Three Seven One	I have seen
25	N/A	N/A	Supply of Fit cast Iron Manhole Cover to manhole and service pits for the clear access as given below, all in accordance with the Technical Specification and the Standard Detail Drawings. The rate to include for Bitumen painting of the cover and setting in Class A Mass Concrete (with Cement) including the supply of all materials.(Excluding cost of Cement) (a) 600 mm dia Cover.	Each	2.000	20097.001	Twenty Thousand AND Ninety-Seven point Zero Zero One	40194.002	Forty Thousand One Hundred and Ninety-Four point Zero Zero Two	I have seen
26	N/A	N/A	450 mm dia Cover	Each	1.000	8153.501	Eight Thousand One Hundred and Fifty-	8153.501	Eight Thousand One Hundred and Fifty-	I have seen

							Three point Five Zero One		Three point Five Zero One	
27	N/A	N/A	C.I Foot Step	Each	120.000	982.679	Nine Hundred and Eighty-Two point Six Seven Nine	117921.480	One Lakh Seventeen Thousand Nine Hundred and Twenty-One point Four Eight	I have seen
28	N/A	N/A	Shoring & boxing by steel sheet.	Rm	295.927	149.905	One Hundred and Forty-Nine point Nine Zero Five	44360.937	Forty-Four Thousand Three Hundred and Sixty point Nine Three Seven	I have seen
29	N/A	N/A	Shallbullah strut 100 mm dia (avg).	Rm	214.200	86.891	Eighty-Six point Eight Nine One	18612.052	Eighteen Thousand Six Hundred and Twelve point Zero Five Two	I have seen
30	N/A	N/A	Supply, fitting & fixing of Black steel pipe 20 ERW. Ø 200, wall thickness 6.11 mm.	m	1.000	3000.001	Three Thousand point Zero Zero One	3000.001	Three Thousand point Zero Zero One	I have seen
31	N/A	N/A	Supply, fitting & fixing of Black steel pipe 20 ERW. Ø 300, wall thickness 6.11 mm.	m	1.000	9000.001	Nine Thousand point Zero Zero One	9000.001	Nine Thousand point Zero Zero One	I have seen
32	N/A	N/A	Supply, fitting & fixing of Black steel flange 20 ERW. Ø 200, wall thickness 25 mm.	Nos	8.000	4400.001	Four Thousand Four Hundred point Zero Zero One	35200.008	Thirty-Five Thousand Two Hundred point Zero Zero Eight	I have seen
33	N/A	N/A	Supply, fitting & fixing of Black steel flange 20 ERW. Ø 300, wall thickness 25 mm.	Nos	1.000	5800.001	Five Thousand Eight Hundred point Zero Zero One	5800.001	Five Thousand Eight Hundred point Zero Zero One	I have seen
34	N/A	N/A	Supply, fitting & fixing of Black steel band 20 ERW. Ø 200, wall thickness 6.11 mm.	Nos	1.000	12000.001	Twelve Thousand point Zero Zero One	12000.001	Twelve Thousand point Zero Zero One	I have seen
35	N/A	N/A	Supply, fitting & fixing of Black steel band 20 ERW. Ø 300, wall thickness 6.11 mm.	Nos	1.000	16900.001	Sixteen Thousand Nine Hundred point Zero Zero One	16900.001	Sixteen Thousand Nine Hundred point Zero Zero One	I have seen
36	N/A	N/A	Supply, fitting & fixing of SS Nut bolt (6 inch x 7/8 inch) with rubber gaskets	Nos	140.000	82.001	Eighty-Two point Zero Zero One	11480.140	Eleven Thousand Four Hundred and Eighty point One Four	I have seen

37	N/A	N/A	Provision of Bituminous Coating to the external faces of Manholes and service pits at all depths, in accordance with the Technical Specification. To include for the supply of all materials.	Sqm	10.362	218.001	Two Hundred and Eighteen point Zero Zero One	2258.926	Two Thousand Two Hundred and Fifty-Eight point Nine Two Six	I have seen
38	N/A	N/A	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	1.000	1725.001	One Thousand Seven Hundred and Twenty-Five point Zero Zero One	1725.001	One Thousand Seven Hundred and Twenty-Five point Zero Zero One	I have seen
							Grand Total:	2106813.663	Twenty-One Lakh Six Thousand Eight Hundred and Thirteen point Six Six Three	

This Priced Bill of Quantities (BOQ) is Electronically Signed by Mr. Nazmul Hasan on behalf of M/s. Nasima Enterprise

M/s. Nasima Enterprise**Tenderer's Quoted Price**

Tenderer's Quoted Price			
Total Estimated Cost (BDT)	Percentage (-5% to +5%)	Offered Amount (in figures) (BDT)	Offered Amount (in words) (BDT)
2106813.663	-5.000	2001472.980	Twenty Lakh One Thousand Four Hundred and Seventy-Two point Nine Eight
	Grand Total:	2001472.980	Twenty Lakh One Thousand Four Hundred and Seventy-Two point Nine Eight

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