

Nihad Construction**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	N/A	N/A	Earth work in excavation in all kinds of soil for foundation trenches including. layout, providing center lines, local benchmark pillars, leveling, 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, subject to submit method statement of carrying out excavation work to the Engineer for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead: in very soft / saturated / organic clayey soil / soil of semi-liquid state.	cum	121.200	180.000	One Hundred And Eighty	21816.000	Twenty-One Thousand Eight Hundred And Sixteen	Yes
2	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 - in-charge.	sqm	6.280	636.000	Six Hundred And Thirty-Six	3994.080	Three Thousand Nine Hundred And Ninety-Four Point Zero Eight	Yes
3	N/A	N/A	Extra-over item 1 for supply and placing of Sand/Natural gravel bedding materials at all	cum	0.940	1076.000	One Thousand And	1011.440	One Thousand And Eleven	Yes

			required depths in accordance with the Technical Specification and Standard detail drawings for all sewer pipe diameters. Extra over for signal size nature gravel bedding				Seventy-Six		Point Four Four	
4	N/A	N/A	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:2:4 having maximum water cement ratio = 0.45 and minimum f _{cr} = 26 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 conducting necessary tests, 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, 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, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is excluding laboratory test fees, the cost of reinforcement and its fabrication, placing, binding etc. and the cost of shuttering & centering).	cum	1.260	10292.000	Ten Thousand Two Hundred And Ninety-Two	12967.920	Twelve Thousand Nine Hundred And Sixty-Seven Point Nine Two	Yes
5	N/A	N/A	Form work/shuttering, prop and necessary supports etc.(wooden).	sqm	6.280	523.000	Five Hundred And Twenty-Three	3284.440	Three Thousand Two Hundred And Eighty-	Yes

									Four Point Four Four	
6	N/A	N/A	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, fy (ReH)= 400 MPa but fy not exceeding 450 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength fu to yield strength fy, 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	404.000	121.000	One Hundred And Twenty-One	48884.000	Forty-Eight Thousand Eight Hundred And Eighty-Four	Yes
7	N/A	N/A	Mass concrete (1:2:4) 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 -in-charge. Mass concrete in foundation (1:2:4) with brick chips and local sand of F.M. 1.2	cum	1.390	10504.000	Ten Thousand Five Hundred And Four	14600.560	Fourteen Thousand Six Hundred Point Five Six	Yes
8	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) accepted by the Engineer -in-charge.	cum	19.460	10097.000	Ten Thousand And Ninety-Seven	196487.620	One Lakh Ninety-Six Thousand Four Hundred And Eighty-Seven Point Six Two	Yes
9	N/A	N/A	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to wall both inner- and outer surface, finishing	sqm	115.410	381.000	Three Hundred And Eighty-One	43971.210	Forty-Three Thousand Nine Hundred	Yes

			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-in-charge.						And Seventy-One Point Two One	
10	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	115.410	105.000	One Hundred And Five	12118.050	Twelve Thousand One Hundred And Eighteen Point Zero Five	Yes
11	N/A	N/A	CI Footstep	each	16.000	632.500	Six Hundred And Thirty-Two Point Five	10120.000	Ten Thousand One Hundred And Twenty	Yes
12	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 accurately after completion of work as per direction of the Engineer-in-charge.	each	2.000	1066.000	One Thousand And Sixty-Six	2132.000	Two Thousand One Hundred And Thirty-Two	Yes
13	N/A	N/A	Removal of pipe line 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	58.640	324.000	Three Hundred And Twenty-Four	18999.360	Eighteen Thousand Nine Hundred And Ninety-Nine Point Three Six	Yes
14	N/A	N/A	Removal of Excavated earth and clean the site for a smooth traffic movement during execution of the works and as per direction of the Engineer-in charge..	cum	58.640	288.000	Two Hundred And Eighty-Eight	16888.320	Sixteen Thousand Eight Hundred And Eighty-Eight Point Three Two	Yes

15	N/A	N/A	Bailing out all source of water from Trances channel & any other means with all leads & lifts by pump or any other means etc. all complete as per direction of the E/C.	day	10.000	1862.000	One Thousand Eight Hundred And Sixty-Two	18620.000	Eighteen Thousand Six Hundred And Twenty	Yes
16	N/A	N/A	Manhole Cover fittings 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	each	2.000	535.000	Five Hundred And Thirty-Five	1070.000	One Thousand And Seventy	Yes
17	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. 550 mm dia CI MH Cover.	each	2.000	16675.000	Sixteen Thousand Six Hundred And Seventy-Five	33350.000	Thirty-Three Thousand Three Hundred And Fifty	Yes
18	N/A	N/A	Extra-over item 1 for the provision of Temporary shoring and boxing to the sides of the excavation to maintain a safe working environment upto a depth of 8 m.. 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 50 mm & 75mm thick and struts shall be minimum 100 mm diameter. (After completion of the work the materials will be the property of contractor). Garjan wooden planks runner block (withdrawn after completion of work).	cum	8.220	3624.000	Three Thousand Six Hundred And Twenty-Four	29789.280	Twenty-Nine Thousand Seven Hundred And Eighty-Nine Point Two Eight	Yes
19	N/A	N/A	Extra-over item 1 for the provision of Temporary shoring and boxing to the sides of the excavation to	m	81.600	67.000	Sixty-Seven	5467.200	Five Thousand Four Hundred	Yes

			maintain a safe working environment upto a depth of 8 m.. 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 50 mm & 75mm thick and struts shall be minimum 100 mm diameter. (After completion of the work the materials will be the property of contractor) Salbullah						And Sixty-Seven Point Two	
20	N/A	N/A	Hire charge for Road cutter Mechanical Machine including n/c fuel and lubricant for cutting the both side of the trench / road surface. This item includes the charge of Operator and helper. Execution of the works and as per direction of the Engineer-in charge	sqm	4.000	387.000	Three Hundred And Eighty-Seven	1548.000	One Thousand Five Hundred And Forty-Eight	Yes
							Grand Total:	497119.480	Four Lakh Ninety-Seven Thousand One Hundred And Nineteen Point Four Eight	

This Priced Bill of Quantities (BOQ) is Electronically Signed by Mr. Md. Hasan on behalf of Nihad Construction