

M/S. N. ISLAM & CO**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	-	N/A	Site development/Improvement by carted earth or dredged sand, sandy silt (free from any organic, foreign, environmental hazardous substances) carried by head or by truck or by any other means including cost of cutting or by dredging of sand, sandy silt, all; including local carrying, placing the earth/sand, sandy silt in the designated area, maintaining slopes, breaking lumps, levelling and dressing in layers up to finished level etc. all complete as per direction and accepted by the engineer in charge.	cum	5.950	760.001	Seven Hundred and Sixty point Zero Zero One	4522.006	Four Thousand Five Hundred and Twenty-Two point Zero Zero Six	I have seen
2	-	N/A	Bailing out all source of water from trenches channel & any other means with all leads & lift by pump or any other means etc. All completed as per direction of the Engineer in charge.	day	5.000	2141.001	Two Thousand One Hundred and Forty-One point Zero Zero One	10705.005	Ten Thousand Seven Hundred and Five point Zero Zero Five	I have seen
3	-	N/A	Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m head	cum	11.310	168.001	One Hundred and Sixty-Eight point Zero Zero One	1900.091	One Thousand Nine Hundred point Zero Nine One	I have seen
4	-	N/A	Shore protection work during excavation in foundation trenches beyond 1.5 m depth to protect loss due to damage of property by palisading accepted by the Engineer-in-charge, [The rate is including the cost of vertical post]	sqm	55.630	1043.001	One Thousand AND Forty-Three point Zero Zero One	58022.146	Fifty-Eight Thousand AND Twenty-Two point One Four Six	I have seen
5	-	N/A	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks (BDS 208) including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge	sqm	7.440	518.001	Five Hundred and Eighteen point Zero Zero One	3853.927	Three Thousand Eight Hundred and Fifty-Three point Nine Two Seven	I have seen
6	-	N/A	50 mm down graded picked jhama khoa consolidation in foundation	cum	1.120	5060.001	Five Thousand	5667.201	Five Thousand	I have

			trenches by mixing the same with best quality local sand (F.M. 1.2) in 2:1 (khoa: sand) proportion to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) including breaking and screening chips, laying and spreading in 150 mm layers uniformly and compacting etc. all complete and accepted by the Engineer-in-charge.				AND Sixty point Zero Zero One		Six Hundred and Sixty-Seven point Two Zero One	seen
7	-	N/A	"125mm Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:4) and making bond with connected walls including necessary scaffolding, curing at least for 7 days etc. all complete including cost of water, electricity and other charges (measursment) to given as 250 mm width for one brick length and 375 mm for one bck and a half bnc" length) accepted by the Engineer-in-charge. (Cement CEM)Its-M)In Eound floor"	cum	36.600	1185.001	One Thousand One Hundred and Eighty-Five point Zero Zero One	43371.037	Forty-Three Thousand Three Hundred and Seventy-One point Zero Three Seven	I have seen
8	-	N/A	"minimum 12 mm thick cement sand (F.M 1.2) plaster (1:4)with fresh cement to outer surface of all, finishing the corner and edges including washing of sand, cleaning the surface, 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: CEMIUB-M) ground floor" minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4)with fresh cement to outer surface of all, finishing the corner and edges including washing of sand, cleaning the surface, 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: CEMIUB-M) ground floor"	sqm	100.700	315.999	Three Hundred and Fifteen point Nine Nine Nine	31821.099	Thirty-One Thousand Eight Hundred and Twenty-One point Zero Nine Nine	I have seen
9	-	N/A	Exterior premium acrylic emulsion paint of approved best quality and color with high performance against dirt picking tendency and efflorescence resistance properties along with water resisting properties and resistance properties against fungi, fading and flaking from authorized local agent of the manufacturer in a sealed container; applying to exterior surface with surface preparation including cleaning drying, making free from dirt,	sqm	100.700	298.001	Two Hundred and Ninety-Eight point Zero Zero One	30008.701	Thirty Thousand AND Eight point Seven Zero One	I have seen

			grease, wax, removing all chalked and scaled materials, fungus, mending good the surface defects using sand paper and necessary scaffolding; applying necessary exterior sealer of specified brand on prepared surface; then applying necessary exterior putty of specified brand for levelling, spot filling, crack filling and cutting by sand paper/zero water paper; finally applying 2 coats of exterior emulsion paint spreading by brush/roller/spray & necessary scaffolding etc. upto desired finishing, elapsing specified time for drying or recoating; all complete in all floors and accepted by the Engineer-in-charge.							
10	-	N/A	Mass concrete in floor (1:2:4) 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 Engineer-in-charge. (Cement: CEM/J/B-M) Mass concrete in floor (1:2:4) with brick chips and local sand of F.M.1:2.	cum	0.560	8840.001	Eight Thousand Eight Hundred and Forty point Zero Zero One	4950.401	Four Thousand Nine Hundred and Fifty point Four Zero One	I have seen
11	-	N/A	Sand filling in foundation trenches and plinth with sand having minimum F.M. 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	8.600	1167.001	One Thousand One Hundred and Sixty-Seven point Zero Zero One	10036.209	Ten Thousand AND Thirty-Six point Two Zero Nine	I have seen
12	-	N/A	Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or any where below cement concrete complete in all respect and accepted by Engineer-in-charge.	sqm	57.600	47.001	Forty-Seven point Zero Zero One	2707.258	Two Thousand Seven Hundred and Seven point Two Five Eight	I have seen
13	-	N/A	Reinforced cement concrete works with minimum cement content relates to mix ratio 1:1.5:3 having maximum water cement ratio = 0.40 and minimum fcr = 33.5 MPa, satisfying a specified compressive strength f _c = 25 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM.	cum	4.900	14201.001	Fourteen Thousand Two Hundred and One point Zero Zero One	69584.905	Sixty-Nine Thousand Five Hundred and Eighty-Four point Nine Zero Five	I have seen

Cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / 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 (Aggregate grading as per table shown in technical specification), conducting necessary tests, making and placing shutter in position and maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing with 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. Pedestals, column, column capital, lift wall and RCC wall up to ground floor.

14

N/A

Centering and shuttering, including strutting, propping etc. (The formwork must be rigid enough both in and out of plane, to make the concrete surface true to the designed shape and size by using necessary MS sheets of minimum 16 BWG, angles of minimum size 40 mm x 40 mm x 5 mm, flat bars etc.) and removal of form for: Pedestal, column, column capital, lift wall and wall up to ground floor.

sqm

57.600

522.001

Five
Hundred
and
Twenty-
Two point
Zero Zero
One

30067.258

Thirty
Thousand
AND
Sixty-
Seven
point Two
Five Eight

I have seen

15

N/A

Grade 400 (B400DWR / B420DWR: complying BDS ISO 6935-2:2016 / ASTM A615) ribbed or deformed bar produced and marked according to Bangladesh standard, with minimum yield strength, f_y (ReH) = 400 MPa but f_y not exceeding 480 MPa and whatever is the actual 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 17% and 8% respectively : up to ground floor.

kg

764.550

100.001

One
Hundred
point Zero
Zero One

76455.765

Seventy-
Six
Thousand
Four
Hundred
and Fifty-
Five point
Seven Six
Five

I have seen

16

N/A

Epoxy enamel paint of approved quality and colour delivered from authorized local agent of the manufacturer in a sealed container; surface preparation including cleaning, drying, making free from dirt, grease, wax.

sqm

22.800

461.001

Four
Hundred
and Sixty-
One point
Zero Zero
One

10510.823

Ten
Thousand
Five
Hundred
and Ten
point

I have seen

			removing all chalked and scaled materials, fungus (if required must be treated with fungicidal solution) flaking paints, washing the surface with soap water/caustic soda, mending good the surface defects, smoothening the surface by putty, sand papering the surface; applying to Interior concrete surfaces and walls in three coats by brush/roller/spray etc. upto desired finishing;elapsing specified time for drying and recoating; with necessary scaffolding all complete in all floors and accepted by the Engineerin- charge.						Eight Two Three	
17	-	N/A	Supplying, fitting and fixing 12 BWG barbed wire (2 ply, 4 points) in fencing work @ 150 mm c/c both horizontally and vertically, supported by 38 mm x 38 mm x 6 mm M.S. Y-shape angle post (300 mm embedded in R.C.C. or in brick work with a cement concrete base of 75 mm x 75 mm x 300 mm) 600 mm vertical and 450 mm inclined or as per requirement @ 2.4 m c/c including straightening, binding the joints with 18 BWG wire, making holes in the angle etc. including supplying all necessary materials complete in all respect and accepted by the Engineer-in-charge. (Rate is excluding the cost of paint, R.C.C /brick work or C.C. which is to be paid as per corresponding items in the schedule).	sqm	22.800	1034.001	One Thousand AND Thirty-Four point Zero Zero One	23575.223	Twenty-Three Thousand Five Hundred and Seventy-Five point Two Two Three	I have seen
18	-	N/A	Supplying of wooden ballah having an average diameter not less than 150 mm (without barks) at one third distance from larger end with a minimum end diameter of 100 mm for retaining purpose and driving to a depth as per design and drawing by any method including all arrangement for staging, hoisting, carrying etc. complete and accepted by the Engineer-in-charge.	m	120.000	604.001	Six Hundred and Four point Zero Zero One	72480.120	Seventy-Two Thousand Four Hundred and Eighty point One Two	I have seen
19	-	N/A	Making Dhaka WASA Monogram on plaster surface of boundary wall	nos	4.000	650.001	Six Hundred and Fifty point Zero Zero One	2600.004	Two Thousand Six Hundred point Zero Zero Four	I have seen
20	-	N/A	"safety measure item (gum boot = 4 pairs, visible vest = 4 nos, helmet = 4 nos, hand gloves = 4 pairs etc) . all complete and accepted by the Engineer-in-charge."	item	1.000	3300.001	Three Thousand Three Hundred point Zero Zero One	3300.001	Three Thousand Three Hundred point Zero Zero One	I have seen
Grand Total:								496139.180	Four Lakh Ninety-Six Thousand	