

BROTHERS TRADER

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
1.00	Civil	N/A	"Mobilization and cleaning site before commencing actual physical work and during contract period and demobilization after completion of the works under contract to be accepted by the Engineer-in-charge. This work shall also covers clayey cleaning and clearing, cutting or filling, dressing the project area on and in the ground to an extent that all the events of works of the project can be executed smoothly in a working environment with a particular attention on safety and security in all respects, and to stockpile the end outcome to a place for disposal agreed by the Engineer-in-charge, where, payments are to be based on ground area determined by the Engineer-in-charge and be proportionate to the percentage progress of work under contract as a whole in all respects and approved by the Engineer-in-charge"	sqm	150.000	218.001	Two Hundred And Eighteen Point Zero Zero One	32700.150	Thirty-Two Thousand Seven Hundred Point One Five	Yes
2.00	Civil	N/A	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	cum	23.813	168.001	One Hundred And Sixty-Eight Point Zero Zero One	4000.607	Four Thousand Point Six Zero Seven	Yes

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. Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead

"Removing sludge or semi-liquid clay/substances etc. not suitable for pumping out or carrying by head load from the bottom of any marshy land, lake, ditch, pond by mixing fine local sand of minimum F.M. 0.8 to a proportion such that it can be carried to an intermediate point of disposal and cutting the same including stacking and spreading properly on a suitable place to dry in the sun for a certain days and dispose the dried sludge or clay to a safe distance etc. complete and accepted by Engineer-in-charge subject to submit method statement to the engineer in charge for carrying out the works including ultimate disposal of the sludge under this item for approval. However, engineer's approval shall not relieve the contractor of his responsibilities and obligations under the contract"

"Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 in 150 mm layers including leveling, watering and compaction

One
Thousand
And Fifty-
Four
Point
Zero Zero
One

Eighteen
Thousand
Five
Hundred
And Fifty
Point Four
One
Seven

One
Thousand
And
Eighty-
Eight
Point

Four
Thousand
Five
Hundred
And Sixty-
Nine Point

			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.				Zero Zero One		Six Zero Four	
5.00	Civil	N/A	50 mm downgraded picked jhama khoa consolidation in foundation 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.	cum	0.225	6055.001	Six Thousand And Fifty-Five Point Zero Zero One	1362.375	One Thousand Three Hundred And Sixty-Two Point Three Seven Five	Yes
6.00	Civil	N/A	Cleaning and disposing of excavated earth from the construction site by truck or by any other means to a place within 30 km radius of the city or town area including loading & unloading at both ends, leveling and dressing the carried earth etc. complete and accepted by the Engineer-in-charge.	cum	23.812	756.001	Seven Hundred And Fifty-Six Point Zero Zero One	18001.895	Eighteen Thousand And One Point Eight Nine Five	Yes
7.00	Civil	N/A	"Bailing out water by 1 cusec diesel operated pump including hire charge of pump, fuel, operator, spares and maintenance etc. all complete and accepted by the Engineer-in-charge."	Hr	6.000	677.001	Six Hundred And Seventy-Seven Point Zero Zero One	4062.006	Four Thousand And Sixty-Two Point Zero Zero Six	Yes
8.00	Civil	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	31.750	636.001	Six Hundred And Thirty-Six Point Zero Zero One	20193.031	Twenty Thousand One Hundred And Ninety-Three Point Zero Three One	Yes

9.00	Civil	N/A	"Brick on end edging with 1st class brick (BDS 208) including preparation of bed and filling the interstices with local sand, leveling, maintaining alignment and grid etc. all complete and accepted by the Engineer-in-charge."	Meter	16.000	152.001	One Hundred And Fifty-Two Point Zero Zero One	2432.016	Two Thousand Four Hundred And Thirty-Two Point Zero One Six	Yes
10.00	Civil	N/A	"Lean/ blinding 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/B-M) Lean/ blinding concrete in foundation (1:3:6) with cement, brick chips and sand of F.M. 1.2"	cum	0.200	9362.001	Nine Thousand Three Hundred And Sixty-Two Point Zero Zero One	1872.400	One Thousand Eight Hundred And Seventy-Two Point Four	Yes
11.00	Civil	N/A	"Mass concrete (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-II / B-M Mass concrete in foundation (1:2:4) with brick chips and local sand of F.M. 1.2."	cum	3.877	10504.001	Ten Thousand Five Hundred And Four Point Zero Zero One	40724.011	Forty Thousand Seven Hundred And Twenty-Four Point Zero One One	Yes
12.00	Civil	N/A	"Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or anywhere below cement concrete complete in all respect and accepted by Engineer-in-charge."	sqm	50.700	47.001	Forty-Seven Point Zero Zero One	2382.950	Two Thousand Three Hundred And Eighty-Two Point Nine Five	Yes

13.00	Civil	N/A	"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/B-M) In ground floor	cum	0.450	10097.001	Ten Thousand And Ninety-Seven Point Zero Zero One	4543.650	Four Thousand Five Hundred And Forty-Three Point Six Five	Yes
14.00	Civil	N/A	"38 mm thick artificial patent stone (1:2:4) flooring with cement, best quality coarse sand (50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2 and 50% best quality local sand of FM 1.2) and 12 mm down well graded brick chips including breaking chips, screening, laying the concrete in alternate panels, compacting and finishing the top with neat cement and curing at least for 7 days in all floors including cost of water, electricity and other charges etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M) In ground floor	sqm	31.800	667.001	Six Hundred And Sixty-Seven Point Zero Zero One	21210.631	Twenty-One Thousand Two Hundred And Ten Point Six Three One	Yes
15.00	Civil	N/A	"Supplying, fitting and fixing country made GP (GressPorcellanto) - glazed or unglazed homogeneous floor tiles complying BDS ISO 13006: 2015, water absorption $\leq 0.5\%$, modulus of rupture (MOR) ≥ 27 N/mm ² , irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2) mortar (1:4) base and raking out the joints with white cement including	sqm	1.500	1347.001	One Thousand Three Hundred And Forty-Seven Point Zero Zero One	2020.501	Two Thousand And Twenty Point Five Zero One	Yes

			cutting and laying the tiles in proper way and finishing with care etc. all complete and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor GP (homogeneous) 300 mm x 300 mm floor tiles "							
16.00	Civil	N/A	"Supplying, fitting and fixing country made glazed wall tiles complying BDS ISO 13006: 2015, irrespective of color &/or design, with 20 mm thick cement sand (F.M. 1.2)mortar (1:3) base and raking out the joints with white cement including cutting, laying and hire charge of machine and finishing with care etc. including cost of water, electricity and other charges complete in all respect and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M). In ground floor Wall tiles less than, equal or equivalent to 250 mm x 330 mm in sizes "	sqm	2.100	1356.001	One Thousand Three Hundred And Fifty-Six Point Zero Zero One	2847.602	Two Thousand Eight Hundred And Forty-Seven Point Six Zero Two	Yes
17.00	Civil	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, cement conforming to BDS EN-197-1-CEM-I, 52.5N, 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	cum	0.312	10292.001	Ten Thousand Two Hundred And Ninety-Two Point Zero Zero One	3211.104	Three Thousand Two Hundred And Eleven Point One Zero Four	Yes

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). Individual & combined footing, pile cap, raft/mat, floor slab and foundation beam up to plinth level

18.00	Civil	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	6.250	121.001	One Hundred And Twenty-One Point Zero Zero One	756.256	Seven Hundred And Fifty-Six Point Two Five Six	Yes
19.00	Civil	N/A	Supplying and making door and window frames (Chowkat) for all floors including wall side grove cutting, moulding by CNC machine or any other means with matured seasoned wood of required size including painting two coats of coal tar to the surface in contact with wall, fitting and fixing in position etc. all complete and	cum	0.033	135509.001	One Lakh Thirty-Five Thousand Five Hundred And Nine Point Zero Zero One	4471.797	Four Thousand Four Hundred And Seventy-One Point Seven Nine Seven	Yes

			accepted by the Engineer-in-charge.(All sizes of wood are finished).Frame made from seasoned Mehgoni wood Chemically treated) Up to Size 0'-2.5" x 0'-6" (finished)							
20.00	Civil	N/A	"Supplying, fitting and fixing 38 mm thick well matured seasoned (moisture content should be between 12 to 16%) wooden ornamental special design (both sides) single panel flush door shutter having stile, top rail and lock rail section 125 x 38mm and bottom rail section 225mm x 38mm (made from minimum 250mm wide plank) with 4nos 100mm long, 3mm thick hinge, 12mm dia 250mm long tower bolt, 12mm dia 200mm long socket bolt, 2nos 150mm long handle, hinged cleats and buffer blocks. All complete in all floors and accepted by the Engineer-in-charge. (All sizes of wood are finished)"	sqm	4.375	15685.001	Fifteen Thousand Six Hundred And Eighty-Five Point Zero Zero One	68621.879	Sixty-Eight Thousand Six Hundred And Twenty-One Point Eight Seven Nine	Yes
21.00	Civil	N/A	"Supplying, fitting and fixing M.S. door shutters made with 38 mm x 38 mm x 6 mm angle outer frame, inner member 25 mm x 6 mm F.I. bar, cladding with 16 BWG M.S. sheet, 04 nos 75 mm long hinge, 02 nos. locking arrangement with 50 mm x 50 mm x 6 mm M.S. angle chowkat including all charges for welding, riveting etc. including cost of supplying all essential fittings like iron hinges, socket bolts, clamps, for fitting and fixing the frame, making necessary holes in brick walls and R.C.C works and fitting with C.C. (1:2:4) and mending good the damages including all cost of carriage, workshop charges, electricity and labour for fittings, fixing, curing etc. all complete and accepted by the Engineer-in-charge. (Rate is	sqm	0.765	7636.001	Seyen Thousand Six Hundred And Thirty-Six Point Zero Zero One	5841.540	Five Thousand Eight Hundred And Forty-One Point Five Four	Yes

			excluding the costs of painting)."							
22.00	Civil	N/A	Supplying, fitting and fixing window grills of any design made of 20 mm x 3 mm mild steel section @ 100 mm c/c with outer frame of 25 mm x 6 mm F.I. bar including fabrication, welding, cost of electricity workshop charges, carriage, cutting grooves, mending good the damages, tools and plants, finished with anti-corrosive painting (Red-Oxide) etc. complete for all floors and accepted by the Engineer-in-charge. (Total weight per sqm should be approx. 10.00 kg. and add or deduct @ 100.00 for each kg/sqm excess or less respectively)	sqm	3.000	1959.001	One Thousand Nine Hundred And Fifty-Nine Point Zero Zero One	5877.003	Five Thousand Eight Hundred And Seventy-Seven Point Zero Zero Three	Yes
23.00	Civil	N/A	Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to both inner and outer surface of wall, 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: CEM-II/B-M)Ground floor.	sqm	9.187	315.001	Three Hundred And Fifteen Point Zero Zero One	2893.914	Two Thousand Eight Hundred And Ninety-Three Point Nine One Four	Yes
24.00	Civil	N/A	"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/B-M) Ground floor."	sqm	5.250	381.001	Three Hundred And Eighty-One Point Zero Zero One	2000.255	Two Thousand Point Two Five Five	Yes
25.00	Civil	N/A	"Minimum 6 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to ceiling, R.C.C.	sqm	9.000	301.001	Three Hundred And One Point	2709.009	Two Thousand Seven Hundred	Yes

			columns, beams, surface of stair case, sunshades, cornices, railings, drop wall, louvers, fins and finishing the corners 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: CEM-II/B-M) Ground floor."				Zero Zero One		And Nine Point Zero Zero Nine	
26.00	Civil	N/A	"Approved best quality and colour synthetic polyvinyl distemper delivered from authorized local agent of the manufacturer in a sealed container, applying to wall and ceiling with surface preparation including cleaning drying, making free from dirt, grease, wax, removing all chalked and scaled materials, fungus, mending good the surface defects using sand paper and necessary scaffolding; applying 1 coat of interior sealer of specified brand on prepared surface; then applying 1 coat of interior putty of specified brand for levelling, spot filling, crack filling and cutting by sand paper/zero water paper; finally applying 2 coats of synthetic polyvinyl distemper spreading by brush/roller/spray & necessary scaffolding etc. up to desired finishing, elapsing specified time for drying or recoating; all complete in all floors and accepted by the Engineer-in-charge."	sqm	439.050	213.000	Two Hundred And Thirteen	93517.650	Ninety-Three Thousand Five Hundred And Seventeen Point Six Five	Yes
27.00	Civil	N/A	Standard synthetic enamel paint of approved best quality and colour delivered from authorized local agent of the manufacturer in a sealed container, having high water resistance, high bondability, flexibility property; using specified	sqm	101.450	229.000	Two Hundred And Twenty-Nine	23232.050	Twenty-Three Thousand Two Hundred And Thirty-Two Point Zero Five	Yes

			brand thinner applying to metallic or wooden surface by brass/roller/spray in 2 coats over single coat anti-corrosive coating including cleaning, drying, making free from dirt, grease, wax, removing all chalked and scaled materials, all complete in all floors and accepted by the Engineer-in-charge..							
28.00	Civil	N/A	"25 mm thick ferrocement treatment work for heat and water proofing on roof having minimum cement content relates to mix ratio 1:2 cement conforming to BDS EN-197- 1-CEM-I, 52.5N, and best quality coarse sand (F.M. 2.2) including, the supply of all materials, cutting, binding of one layer of 20 BWG galvanized wire mesh having minimum yield strength $f_y = 450$ MPa & having 2 mesh per 25 mm in both ways, clear cover 12mm at the middle of the ferrocement lining, applying 62 mm thick EPS sheet having density 15 kg per cum, with washing of sand, chipping, cleaning the surface, watering, grouting, casting, laying on proper level of roof top or floor in panels (1.25 m x 1.25 m). Compaction including leveling, curing at least for 21 days including cost of water, electricity, in all respect as per drawing, design and accepted by the Engineer-in-charge."	sqm	34.250	1943.001	One Thousand Nine Hundred And Forty-Three Point Zero Zero One	66547.784	Sixty-Six Thousand Five Hundred And Forty-Seven Point Seven Eight Four	Yes
29.00	Civil	N/A	Construction of masonry inspection pit with 250 mm thick brick work in cement mortar (1:4) including necessary earth work, side filling and one layer brick flat soling, 75 mm thick (1:3:6) base concrete for making invert channel and 12 mm thick (1:2) cement plaster with neat finishing etc. all complete up to a depth of 700 mm approved and accepted by the Engineer-in-	Each	1.000	7064.001	Seven Thousand And Sixty-Four Point Zero Zero One	7064.001	Seven Thousand And Sixty-Four Point Zero Zero One	Yes

			charge. Clear 525 mm x 525 mm and depth 675 mm to 825 mm, average 750 mm for single 225 mm dia R.C.C. pipes and 400 mm PVC pipe.							
30.00	Civil	N/A	"Stripping of unserviceable plaster including racking out joints, cleaning etc."	sqm	23.437	31.001	Thirty-One Point Zero Zero One	726.570	Seven Hundred And Twenty-Six Point Five Seven	Yes
31.00	Civil	N/A	"Picking-up of unserviceable patent stone from floor and dado etc. and removal of debris to a safe distance"	sqm	15.000	47.001	Forty-Seven Point Zero Zero One	705.015	Seven Hundred And Five Point Zero One Five	Yes
32.00	Civil	N/A	Picking up of damaged/unserviceable terraced (lime concrete) floor or roof etc. and removal of debris to a safe distance	sqm	21.000	65.001	Sixty-Five Point Zero Zero One	1365.021	One Thousand Three Hundred And Sixty-Five Point Zero Two One	Yes
33.00	Civil	N/A	Dismantling of unserviceable/damaged brick works (with cement or lime mortar) of thickness 75/125 mm in foundation and superstructure and removal of debris to a safe distance.	sqm	10.000	62.001	Sixty-Two Point Zero Zero One	620.010	Six Hundred And Twenty Point Zero One	Yes
34.00	Civil	N/A	"Repairs to minor/ fine (non-structural affecting aesthetic) cracks in brick walls, floor and roof etc."	Meter	10.000	42.001	Forty-Two Point Zero Zero One	420.010	Four Hundred And Twenty Point Zero One	Yes
35.00	Civil	N/A	"Clearing sewage or similar hazardous substances & removing to a safe place/ distances"	cum	8.640	1687.001	One Thousand Six Hundred And Eighty-Seven Point Zero Zero One	14575.688	Fourteen Thousand Five Hundred And Seventy-Five Point Six Eight Eight	Yes
36.00	Civil	N/A	Clearing sludges & night soil from RCC soil pipe & sewer lin	Meter	27.000	111.001	One Hundred And Eleven Point Zero Zero One	2997.027	Two Thousand Nine Hundred And Ninety-Seven Point Zero Two Seven	Yes

37.00	Civil	N/A	Clearing sludges & night soil from Inspection pit	Each	11.000	525.001	Five Hundred And Twenty-Five Point Zero Zero One	5775.011	Five Thousand Seven Hundred And Seventy-Five Point Zero One One	Yes
							Grand Total:	495402.440	Four Lakh Ninety-Five Thousand Four Hundred And Two Point Four Four	

This Priced Bill of Quantities (BOQ) is Electronically Signed by Mr. Swapon Mojomdar on behalf of BROTHERS TRADER