

HOSSAIN BROTHERS & ENGINEERING WORKS**Section 6. Bill of Quantities****Bill of Quantities**

Bill of Quantities

Item no.	Group	Item Code (if any)	Description of Item	Measurement Unit	Quantity	Unit Price (In figures: BDT)	Unit Price (In words: BDT)	Total Price (In figures: BDT)	Total Price (In words: BDT)
1	N/A	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 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	Cum	41.667	3175.001	Three Thousand One Hundred and Seventy-Five point Zero Zero One	132292.767	One Lakh Thirty-Two Thousand Two Hundred and Ninety-Two point Seven Six Seven
2	N/A	N/A	Sand filling in foundation trenches and plinth with sand having minimum F.M. 1.2 in 150mm in 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	47.619	2875.001	Two Thousand Eight Hundred and Seventy-Five point Zero Zero One	136904.673	One Lakh Thirty-Six Thousand Nine Hundred and Four point Six Seven Three
3	N/A	N/A	50 mm down graded 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	Cum	19.133	1975.001	One Thousand Nine Hundred and Seventy-Five point	37787.694	Thirty-Seven Thousand Seven Hundred and Eighty-Seven

			(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.				Zero Zero One		point Six Nine Four
4	N/A	N/A	Brick works with first class bricks with cement sand (F.M. 1.2) mortar (1:6) in foundation and plinth, filling the joints/interstices fully with mortar, racking out the joints, cleaning and soaking the bricks at least for 24 hours before use and curing at least for 7 days etc. all complete including cost of water, electricity and other charges and accepted by the Engineer-in-charge. (Cement: CEM-II/B-M)	Cum	25.510	3975.003	Three Thousand Nine Hundred and Seventy-Five point Zero Zero Three	101402.327	One Lakh One Thousand Four Hundred and Two point Three Two Seven
5	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	8.503	4916.001	Four Thousand Nine Hundred and Sixteen point Zero One	41800.757	Forty-One Thousand Eight Hundred point Seven Five Seven

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*** Note:** All applicable taxes, custom duties, VAT and other levies payable by the Contractor under the Contract shall be included in the unit prices submitted by the Tenderer.

This Section 6. Bill of Quantities is Electronically Signed by Mr. Md. Hossan on behalf of HOSSAIN BROTHERS & ENGINEERING WORKS