

## Section 6. Bill of Quantities

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| 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 | cum              | 406.250  | 151.201                      | One Hundred and Fifty-One point Two Zero One | 61425.406                     | Sixty-One Thousand Four Hundred and Twenty-Five point Four Zero Six            |
| 2        | N/A   | 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              | 300.463  | 1050.301                     | One Thousand AND Fifty point Three Zero One  | 315576.589                    | Three Lakh Fifteen Thousand Five Hundred and Seventy-Six point Five Eight Nine |
| 3        | N/A   | N/A                | One layer brick flat soling in foundation or in floor with first class/picked jhama                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | sqm              | 104.000  | 466.201                      | Four Hundred and Sixty-Six point             | 48484.904                     | Forty-Eight Thousand Four Hundred                                              |

|   |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |        |           |                                                                  |            |                                                                             |
|---|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|-----------|------------------------------------------------------------------|------------|-----------------------------------------------------------------------------|
|   |     |     | bricks (BDS 208) including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |        |           | Two Zero One                                                     |            | and Eighty-Four point Nine o Four                                           |
| 4 | N/A | 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | cum | 10.400 | 7997.401  | Seven Thousand Nine Hundred and Ninety-Seven point Four Zero One | 83172.970  | Eighty-Three Thousand One Hundred and Seventy-Two point Nine 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 = 0.40 and minimum f <sub>cr</sub> = 30.5 MPa, satisfying a specified compressive strength f <sub>c</sub> = 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-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 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 | cum | 49.350 | 12153.601 | Twelve Thousand One Hundred and Fifty-Three point Six Zero One   | 599780.209 | Five Lakh Ninety-Nine Thousand Seven Hundred and Eighty point Two Zero Nine |

|   |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |          |           |                                                                     |             |                                                                              |
|---|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|-----------|---------------------------------------------------------------------|-------------|------------------------------------------------------------------------------|
|   |     |     | 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)                                                                                                                                                                                                                                                                                                                            |     |          |           |                                                                     |             |                                                                              |
| 6 | N/A | 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, fy (ReH)= 400 MPa but fy 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 fu to yield strength fy, 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  | 5893.004 | 90.001    | Ninety point Zero Zero One                                          | 530376.253  | Five Lakh Thirty Thousand Three Hundred and Seventy-Six point Two Five Three |
| 7 | N/A | N/A | Minimum 12 mm thick cement sand (F.M. 1.2) plaster (1:4) with fresh cement to 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 | 276.750  | 284.401   | Two Hundred and Eighty-Four point Four Zero One                     | 78707.977   | Seventy-Eight Thousand Seven Hundred and Seven point Nine Seven Seven        |
| 8 | N/A | N/A | Monogram/Logo with painting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ls  | 1.000    | 22742.171 | Twenty-Two Thousand Seven Hundred and Forty-Two point One Seven One | 22742.171   | Twenty-Two Thousand Seven Hundred and Forty-Two point One Seven One          |
|   |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |          |           | <b>Grand Total:</b>                                                 | 1740266.479 | Seventeen Lakh Forty Thousand Two Hundred and Sixty-Six point                |