

R.S. 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	Dismantling of R.C.C. beam, lintel, column, drop wall, sun shade from any height and removal of debris to a safe distance.	Cum.	12.240	3500.001	Three Thousand Five Hundred point Zero Zero One	42840.012	Forty-Two Thousand Eight Hundred and Forty point Zero One Two
2	N/A	N/A	Labour charge for cleaning, washing, brooming from all heights and stacking of debris at a place beyond plinth area of the site during execution of repair works as per direction of the Engineer-in-charge.	Cum.	12.240	1300.001	One Thousand Three Hundred point Zero Zero One	15912.012	Fifteen Thousand Nine Hundred and Twelve point Zero One Two
3	N/A	N/A	Cleaning and mending good the damages surrounding the mouth of spout/rain water down pipe	Each	34.000	175.001	One Hundred and Seventy-Five point Zero Zero One	5950.034	Five Thousand Nine Hundred and Fifty point Zero Three Four
4	N/A	N/A	Casting Cost: Cast-in-place fair-faced concrete works with $f'_{cr}=30$ Mpa and $f'_c=25$ Mpa at 28 days on standard cylinders by using 75% of OPC and 25% of white 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, 20 mm down and well graded stone chips conforming to ASTM C-33 at mix ratio of 1:1.5:3, adding coloring pigment as per architectural design, conforming to the standard practice of code ACI/BNBC/ASTM including screening sand and chips through proper sieves, washing, making and placing shutter in position maintaining true to plumb, making shutter water tight properly, placing	Cum.	18.360	500.001	Five Hundred point Zero Zero One	9180.018	Nine Thousand One Hundred and Eighty point Zero One Eight

			reinforcement in position, including pouring of concrete in form, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, testing charges of materials and concrete cylinders as required, cost of all materials and other charges etc. all complete, approved and accepted by the Engineer-in-charge.						
5	N/A	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 after hardening of the concrete for: Arches, domes, vaults up to 8 m span (for 2-times use).	Sqm.	106.590	1100.001	One Thousand One Hundred point Zero Zero One	117249.107	One Lakh Seventeen Thousand Two Hundred and Forty-Nine point One Zero Seven
6	N/A	N/A	Fabrication and fixing to detail as per design : ribbed or deformed bar reinforcement (excluding laboratory test fees) for Reinforced concrete, produced and marked in accordance with BDS ISO 6935-2:2016 (or standard subsequently released from BSTI) including straightening and cleaning rust, if any, bending and binding in position with supply of G.I. wires, conducting necessary laboratory tests etc. (excluding splices or laps) complete in all respect and accepted by the Engineer-in-charge (Measurement shall be recorded only on standard mass per unit length of bars, while dia of bars exceeds its standard)	kg.	3582.240	20.001	Twenty point Zero Zero One	71648.382	Seventy-One Thousand Six Hundred and Forty-Eight point Three Eight Two
7	N/A	N/A	Casting Cost: Providing 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	Sqm.	136.000	50.001	Fifty point Zero Zero One	6800.136	Six Thousand Eight Hundred point One Three Six

			as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M) ground floor						
8	N/A	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, 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.	Sqm.	326.400	230.001	Two Hundred and Thirty point Zero Zero One	75072.326	Seventy-Five Thousand AND Seventy-Two point Three Two Six
9	N/A	N/A	Supplying, fitting and fixing of 50 mm inside diameter and wall thickness 2.7 mm - 3.4 mm best quality uPVC rain water down pipe fitting, fixed in position with head and shoes, bends, minimum 20 mm width F.I. Bar clamp and nails, and including all accessories such as round grating/domed roof grating, bands, sockets approved and accepted by the Engineer-in-charge.	Rm.	119.000	500.001	Five Hundred point Zero Zero One	59500.119	Fifty-Nine Thousand Five Hundred point One One Nine
10	N/A	N/A	Hire charge of different type machine (welding, heavy type drill machine, grinding machine etc.) and accessories, all complete in all floors and accepted by the Engineer-in-charge.	Each	2.000	15997.848	Fifteen Thousand Nine Hundred and Ninety-Seven	31995.696	Thirty-One Thousand Nine Hundred and Ninety-Five point Six Nine Six

							point Eight Four Eight		
11	N/A	N/A	Saftey system: Supplying temporary safety net (hessian cloth/Fly proof net/saftey belt, hand gallops etc) around construction work place (along the height of the building) where public safety is likely to be endangered due to construction activities; which shall be supported using scaffolding around the building for brick work/ plaster; including fitting and fixing in position providing necessary anchors, wires, ties etc. all complete and accepted by the Engineer-in-charge. (Rate is excluding the cost of scaffolding)	Each	3.000	4409.001	Four Thousand Four Hundred and Nine point Zero Zero One	13227.003	Thirteen Thousand Two Hundred and Twenty- Seven point Zero Zero Three
							Grand Total:	449374.845	Four Lakh Forty-Nine Thousand Three Hundred and Seventy- Four point Eight Four Five

*** 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. Islam on behalf of R.S. Engineering Works