

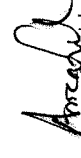
UCEP Bangladesh

Bill of Quantities (BoQ) of Proposed Temporary Tin Shade at UIST Mirpur Premises

Summary of Bill of Quantities (BoQ)						
SL No	Description of Item	Description of works	Total Floor Area in SQF	Total Rooms = 08 (Lab/ Workshop-02, Class room -06)	Total BoQ Amount (BDT)	Remarks
1	Proposed Temporary Tin Shade for Workshop & Class rooms at UCEP Head Office Premises	Civil Works	4320	Class Room = 06 Lab/Workshop = 02		
2		Electrical and other works				
	SubTotal Amount (BDT) Without VAT					
	Add VAT as per Govt Rules					
	Grand Total Amount (BDT) (Including Govt. VAT & AIT)					

In word

1. Any item's quantity and number of items can be changed as per field requirements.
2. Any electricians, labors or any types of manpower shall be proper recorded in the register book.
3. During work, contractor must be taken prior consent from Admin Dept. for supplying any type of goods and materials.
4. In the Contractor's financial proposal, Lump-Sum items must not be quoted


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BoQ of UIST Mirpur Tin Shed Workshop/Class Room
Bill of Quantities (BoQ)

SI No	Item Description	Unit	Quantity	Rate in BDT	Amount in BDT	Remarks
(Part-A)-Civil Work (BoQ),						
1	Earthwork in excavation in foundation trenches up to 1.5 m depth and maximum 10 m lead	Cft	140.00			
2	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.	Sft	4,320.00			
3	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)					
3(a)	Mass concrete in floor (1:2:4) with brick chips and local sand of F.M. 1.2.	Cft	1,092.00			
4	Sand filling in foundation trenches and plinth with sand having minimum F.M. 0.5 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.	Cft	4,320.00			
5	One layer brick flat soling in foundation or in floor with first class/picked jhama bricks including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer-in-charge	Sft	4,545.00			
6	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_{cd} = 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).					
6(a)	Column, column capital, lift wall and wall up to ground floor/Pre-cast RCC Pillar, Sizes: 6"x5" L= 14'-6" to 18'-6" or any required size	Cft	140.00			

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7	FORMWORK (Wooden): 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 etc. and removal of form for: Column, Floor Slab, Etc.	Sft	890.00			
8	Grade 500 (B500DWR): 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 (R_{eH}) = 500 MPa and whatever is the yield strength within allowable limit as per BNBC/ ACI 318, the ratio of ultimate tensile strength f_u to actual 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	490.00			
9	125 mm 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, raking out joints, cleaning and soaking the bricks for at least 24 hours before use and washing of sand, 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	Sft	425.00			
10	Supply, fabrication and installation of hot rolled structural grade steel channel and angle in roof truss or any form of structure of any thickness conforming to ASTM A36 with a minimum yield strength of 250 MPa, including the cost of testing, application of red/grey-oxide primer etc. (up to level-4) all complete as per drawing, specification and direction of Engineer-in-charge.	Kg	1,725.00			
11	Supplying, fitting and fixing 0.36 mm thick galvanized color (Maroon, Blue, Green or any) iron plain sheet ridding with 300 mm lap on either side fitted and fixed with galvanized bolts and nuts etc. all complete and accepted by the Engineer in-charge.	Sft	4,731.00			
12	0.27 mm thick galvanized iron plain sheet ridding with 300 mm lap on either side fitted and fixed with galvanized bolts and nuts etc. all complete and accepted by the Engineer-in-charge.					
12 (a)	Colored	Rft	85.00			
13	Supplying, fitting and fixing water seasoned double tarzamat ceiling in horizontally place including supplying necessary fixtures strengthening with borak bamboo batten placed @12" c/c on both ways & both sides drawing specification and dir EC.	Sft	4,500.00			
14	Supplying, fitting and fixing Wooden window with 3"x2" size wooden outer frame, 2"x1" shutter frame, 10mm dia vertical ms rod @ 5"c/c & 22 Gauge(0.57kg/sft) Plane Sheet Shutter as per drawing & design. Stiffener & painting the window with two coats of synthetic enamel paint, hing, cleat etc, all complete as per direction of the E-I-C.	Each	18.00			
15	Supplying, fitting and fixing Wooden Door with 3"x2.5" size wooden frame & 1" Thick wooden Shutter as per drawing & design. Stiffener & painting the door with two coats of synthetic enamel paint, hing, cleat, haze bolt, handle etc, all complete as per direction of the E-I-C. for single leaf	Each	6.00			

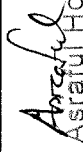
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SI No	Item Description	Unit	Quantity	Rate in BDT	Amount in BDT	Remarks
16	Supplying, fitting and fixing Wooden Door with 3"x2.5" size wooden frame & 1" Thick wooden Shutter as per drawing & design. Stiffener & painting the door with two coats of synthetic enamel paint, hing, cleat, haze bolt, handle etc, all complete as per direction of the E-I-C. for double leaf	Each	4.00			
17	CI sheet fencing. Supplying, fitting and fixing of 0.320 mm CI Sheet. The CI sheets should be of a specified quality, typically with a minimum yield strength of 345 MPa, and include necessary accessories like sheeting screws, washers, and sealants. The fencing is installed on MS sections (metal sections) or wooden purfins, using 'J' hooks, screws, limpet washers, bitumen washers, and putty, as per the Engineer-in-charge's directions.	Sft	5,800.00			
18	Miscellaneous work: Pre-cast pillar drive, developed drainage work any type of work, materials, labors and accessories if necessary during construction. (Site need base)	LS				
	Sub-Total Civil Work (PART-A)			Without VAT	-	
	Total Civil Work (PART-A)			Add VAT As per Govt Rules	-	
	(Part-B 1)-Electrical Works (Provisional rates)					
1	Dismantle work of MDB from Textile Building to New Shade	Lot	1			
2	Supply of 6 pin socket, combind with base, 13A, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	Pcs	18			
3	Supply of 4 mm (Red 4.5 Coil, Black 2.5 Coil) PVC Cable, BYA, FR with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- BRB / SQ / Bizli or equivalent.	Coil	7			
4	Supply of 1.5 mm, ECC, Green PVC Cable, BYA, FR with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- BRB / SQ / Bizli or equivalent.	Coil	5			
5	Supply of 16 mm PVC Cable, BYA, FR with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- BRB / SQ / Bizli or equivalent.	feet	25			
6	Supply of 1.5 mm (Red 10 Coil, Black 9 Coil) PVC Cable, BYA, FR with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- BRB / SQ / Bizli or equivalent.	Coil	19			
7	Supply of MCB TP with box, 63A, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	pcs	1			
8	Supply of MCB DP with box, 63A, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	pcs	1			
9	Supply of MCB TP with box, 10A, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	Pcs	2			
10	Supply of 5 gang switch with base, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	Pcs	24			
11	Supply of Ceiling rose, pin type with base, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton/ MK or equivalent.	Pcs	96			


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12	Supply, fitting & fixing of Batten holder, pin type with base, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton/ MK/ or equivalent.	Pcs	78			
13	Supply of 16 mm cable lugs (SS) with including all necessary accessories etc. All complete as per the engineer in-Charge direction.	pcs	12			
14	Supply of 1.5" PVC electric conduit pipe (Wall Thickness 1.52mm to 1.7mm) with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- RFL / Npoly / or equivalent.	pcs	70			
15	Supply of 3/4" or any required size re-useable screw with including all necessary accessories etc. All complete as per the engineer in-Charge direction.	Dozen	6			
16	Supply of Royal plug (Size 10 or any required size) with including all necessary accessories etc. All complete as per the engineer in-Charge direction.	Packet (Large)	1			
17	Supply of Cable tie (10"). All complete as per the engineer in-Charge direction.	Packet	10			
18	Supply of "S" shaped hook for ceiling fan (4.5" , 12mm dia Deformed Bar) with including all necessary accessories etc. All complete as per the engineer in-Charge direction.	Pcs	44			
19	Supply of SS Royal Bolt with including all necessary accessories etc. All complete as per the engineer in-Charge direction.	Pcs	8			
20	Supply of PVC insulating tape with required color. All complete as per the engineer in-Charge direction.	Dozen	2			
21	Supply of 1.5" PVC electric conduit TEE 100 pcs, conduit Bend 100 pcs, conduit Socket 50 pcs with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- RFL / Npoly / or equivalent.	pcs	250			
22	Supply and fitting of 56" Ceiling Fan with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- BRB / Superstar / Walton or equivalent.	Pcs	14			
23	Supply and fitting of 4 feet 40 W LED tube light with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar / Walton or equivalent.	Pcs	40			
24	Supply and fitting of 100W LED Halogen light with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar / Walton or equivalent.	Pcs	2			
25	All electrical wiring and necessary works including Electrician, labors Charges. All complete as per the engineer in-Charge direction.					
	25 (a) Electricians for all types of wiring, fitting, fixing and any type of necessary works	per day	60			
	25 (b) Assistant Electricians, labors for all types of wiring, fitting, fixing and any type of necessary works	per day	50			
26	Any type of required works or materials as per site need during electrical works. All complete as per the engineer in-Charge direction.	LS	-			
Sub-Total Amount-Electrical Works(Part-B1)-Without VAT					-	
Add VAT As per Govt Rules						
Total Amount-Electrical Works(Part-B1)-(Inc Govt. VAT & AIT)					-	

Asraf

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SI No	Item Description	Unit	Quantity	Rate in BDT	Amount in BDT	Remarks
	(Part-B 2)-Electrical Works					
27	If we need to purchase new power 1C-4x35 sqmm (NYV) cables through PVC pipe of minimum inner dia 50 mm from the substation, including supply, laying, fitting and fixing, connecting works etc all complete as required.	meter	130			
	Supply of MCCB with box, 63 A, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	pcs	1			
	Supply of MCB DP with box, 63 A, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	pcs	1			
	Supply of MCB TP with box, 10 A, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	pcs	2			
	Supply of MCCB with box, 150 A, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	pcs	1			
	Supply, fitting & fixing of 18 gauge MS sheet MDB box (4'x3'x6") (busbar with 4 pole copper, each busbar 80 amp, double line MCB Chane) including circuit wiring and other necessary accessories etc. All complete as per the engineer in-Charge direction.	pcs	1			
	Supply any type of electrical accessories as per site need during electrical works.	LS	-			
	Supply 16 mm, ECC, Green PVC Cable, BYA, FR with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- BRB / SQ / Bizli or equivalent.	meter	130			
	Supply of MCB DP with box, 10 A, with including all necessary accessories etc. All complete as per the engineer in-Charge direction. Brand- Superstar/ Walton or equivalent.	pcs	7			
	Sub-Total Amount-Electrical Works(Part-B2)- without VAT			Add VAT As per Govt Rules		
	Total Amount-Electrical Works(Part-B2)-(Inlc Govt. VAT & AIT)					

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