

Revised Bill of Quantities (BoQ) for Student Accommodation Shed at UCEP Mohsin Khulna TVET Institute, Khulna

Total Floor Area =2360 sqft (including 4 ft wide veranda), Revised on 15 November 2022

SI No.	Item Description	Amount in Tk.	Remarks
1	Student Accommodation Shed at UCEP Mohsin Khulna TVET Institute, Khulna (Drawing attached)		
2	Toilet and Wash facilities (As per prior Drawing and estimate)		
	Total Amount	-	
	Add VAT&AIT	-	
	Grand Total Amount (including Vat & AIT)	-	
	Say, Grand Total Amount (including Vat & AIT)		
	In word:		

Note:

- 1 Vendor/Contractor/Labour payment will be made by Measurement book (MB) entry;
- 2 Artificial patent stone is considered for floor finishing work.
- 3 MS grill is considered at veranda

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Bill of Quantities (BoQ), Construction Cost

Sl No	Item Description	Unit	Quantity	Unit Rate in Tk.	Amount in Tk.	Remarks
1	Mobilization, tree cutting and site cleaning before commencing actual physical work and demobilization after completion of the works accepted by Engineer in Charge and other.	job	1.00		-	
2	Layout and marking for earthwork in excavation in foundation and for other necessary accepted by the Engineer in Charge. [Pit/area of the structure shall be considered for Measurement]	sft	2,815.00		-	
3	Earth work in excavation of all kinds of foundation trenches including leveling, ramming and preparing the base, bailing out water and shoring if necessary, providing centre line and bench mark pillars, removing the spoils etc. to a lead not exceeding 60m. all comp etc as per direction of the Engineer in charge.	cft	1,345.00		-	
4	Sand filling & compaction in foundation trenches, pit/level (insided and any other location @ 150 mm layer with earth available within 90 m of the building site, watering, leveling and consolidating each layer up to finished level etc. all complete as per direction of the engineer-in-charge. As per drawing RL 2.65'	cft	1,250.00		-	
5	Brick soling in floor, beneath footing etc by first class brick including laying and other work.	sft	450.00		-	
6	1:3:6 plain concrete in foundation or floor with cement sand (FM 1.2) and picked jhame chips including breaking chips, screening, mixing, laying, compacting to levels and curing for at least seven days etc. all complete as per drawing and direction of the E-I-C and other.	cft	120.00		-	
7	Providing and laying double layer polythene sheet weighting 1.00 kg per 6.5 sqm under footing all complete as per direction of EIC and other.	sft	450.00		-	
8	Reinforcement cement concrete works (1:1.5:3)/1:2:4 with stone chips using steel material as shutter, having specified compressive strength f _c 22 Mpa at 28 days on standard cylinder, with cement: confirming to BDS EN-197-1-CEM-1 & ASTM standard, best quality coarse sand, 20 mm down well graded crushed stone chips including breaking chips and screening through proper sieves, making, placing in position, the centering and shuttering, making shuttering water tight, placing of reinforcement in position, concrete mixing with mixer machine, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering shuttering etc. all complete including cost of water, electricity, testing of materials and concrete & other charges as per direction of the engineer in charge. Including cost of shutter and others.					
8(a)	Footing	cft	350.00		-	
8(b)	Short Column, Long Column and Grade beam and other member etc	cft	1,180.00		-	
9	Supplying, fabrication and fixing to details as per design M.S deformed bar as reinforcement of required size and length for all types of RCC work, inc straightening the rod, removing rusts, cleaning, cutting, hooking, bending, binding with 22 B.W.G. GI wire, placing the bars in position, inc lapping, spacing and securing them in position by concrete blocks, metal chairs, etc. complete as per specifications, drawings and direction of the Engineer-in-charge. 72 grade BSRM/AKSKSRM/GPH or equivalent d-formed bar.	kg	3,850.00		-	




10	MS roof truss by using different sizes angles, hollow box and other sections including good quality of corrugated sheets as per requirements and as follows of actual floor layout plan, truss must be put along the grid lines of column or centre line on the columns (supplying, fabricating, fixing, fitting etc including all charges and accessories)	sft	2,820.00			
11	Internal and external MS Doors work (supplying, fabricating, fixing, fitting etc including all charges and accessories)	Nos	10.00			
12	Window work including grill work, aluminium frame, glass etc (supplying, fabricating, fixing, fitting etc including all charges and accessories)	Nos	19.00			
13	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/A-M) In ground floor	sft	3,650.00			
14	Minimum 12 mm thick cement sand (F.M. 1:2) plaster (1:6) having with fresh cement to both inner and outer surface of wall, finishing the edges and corners 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/A-M) ground floor.	sft	7,200.00			
15	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, 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/A-M) In ground floor	sft	2,315.00			
16	75 mm thick damp proof course (1:1.5:3) with cement, 50% Sylhet sand (F.M. 2:2) & 50% local sand (F.M. 1:2) and picked flama brick chips.	sft	195.00			
17	Colour wash with yellow ochre/dry other colour pigment by two coats over a prime coat of white wash, lime mixture prepared at least 12 hours before use, stacking stone lime, supplying of gums, blue, stirring thoroughly, removing the floating materials from the mixer, surface cleaning to free from all foreign materials before application of each coat, applying one vertical and one horizontal wash for each coat and successive coat is to be applied after drying up of previous coat including hair brass, providing necessary scaffolding and cleaning plinth, floors, doors, windows, portions and ventilators by washing, rubbing, oiling if necessary after while wash for all floors including cost of water, electricity and other charges etc. complete in all respect in all floors and accepted by the Engineer-in-charge.	sft	8,200.00			
18	Manufacturing, supplying, fitting and fixing M.S. grill fencing as per design with outer frames having 38 mm x 38 mm x 6 mm M.S. angle and inner members having 6 mm dia M.S. rod placed @ 110 mm c/c diagonally on both direction, welding each crs-cross end of rod with corners of outer frame including cutting rods and size angles to required shapes and size and setting the entire fence with the previously installed box tube (box tube made with 2 nos. angle) post including thorough and full welding the frame with the angle box posts, painting 2 coats of synthetic enamel paint over a coat of anti-corrosive priming etc. all complete as per drawing and accepted by the Engineer-in-charge. (Rate is excluding the cost of angle box tube post and its installation and including the cost of paint) at veranda	sft	790.00			
19	Electrical Work including fan, light and all accessories, and necessary electrical items will be energy pac & all cable will be BRB, SQ or Pradise/ equivalent (Site need base)	LS				
20	Miscellaneous work, any type of work, materials and accessories if necessary during construction. (Site need base)	LS				
			Total Amount			

Contractor not need to quote (SI No. 19 and 20)

