

Bill of Quantities

SUMMARY

Bill #	Description	Total Amount (Pak. Rs.)
1	Civil Works	
2	Electricity	
	Grand Total	

Bill No. 1, Title: Civil Works

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
1	Excavation for foundation trenches and drains in all kinds of soil (except gravelly and murum soil, wet silt, clay or mud conglomeration of gravel and boulders, soft, sandy or disintegrated sandy and hard rock) and back filling the excavated material in foundation, plinth or under floor including breaking clods, watering, consolidation by ramming in layers not exceeding 9 inches (229 mm) in depth to full compaction, dressing and disposal of surplus excavated stuff as directed, lead upto one chain (30.5 R.m) and lift upto 5 feet (1.52 m)..	1238.36	Cft		
2	Provide, mix, lay compact, level, finish, cure etc. lean concrete 1:4:8 using 1", 1/2" , 3/4" (pure)down crush including formwork and its removal, complete in all respects.	1661.68	Cft		
3	Provide, mix, lay compact, level, finish, cure etc. prescribed mix non-structural cement concrete 1:2:4 including form work and its removal, curing etc., complete.	960.45	Cft		
4	Providing and laying first class solid burnt brick masonry set in cement mortar 1:5 in straight or curved walls 9 inches to 13-1/2 inches (343 mm) thick including scaffolding, raking out Joints and curing etc. Complete in foundation and plinth.	1503.27	Cft		
5	Providing and laying first class solid burnt brick masonry straight or curved walls in Superstructure including scaffolding, raking, out joints and curing etc, complete.				
	1) - a) 9" and over thick, set in 1:5 cement sand mortar				
	a) - Ground Floor	103.00	Cft		
6	Providing and laying 4" (102 mm) thick not leaner than 1:2:4 cement concrete (minimum works cube crushing strength of 2250 Lbs. PSI (158 Kg. per Sq.cm. at 28 days) in road, paths, crete-ways etc. using graded screened bajri in panels of approved size laid to required gradient and camber over any sub-grade including cost of necessary form work and its removal, compacting with vibrators (immersion or screen or both) belting the surface with canvas belt, roughening the surface after laying concrete with brush and curing etc. complete..	30.00	Cft		
7	Provide, apply, finish, smooth, cure etc. 3/4" thick 1:4 cement sand external plaster, complete upto any height.				
	a): Ground Floor	3729.42	Sft		
	d): Top Roof/Second Floor	100.00	Sft		

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
8	Provide and apply one coat of Dulux/ Robbialac Primeon/ Alkali Resisting Masonry Sealer and minimum 2 coats of Dulux Special Plastic Emulsion or Robbialac VIP including surface preparation filling and rubbing etc., as per Specs. Section-6700-5, complete in all respects, upto any height at any floor	150.00	Sft		
9	Repainting two coats with weather shield paint of (ICI) Dulux make and shade on plaster surface (External) including cleaning, sand papering the surface as directed by the Engineer-in-charge in any floor.	2500.00	Sft		
10	Painting three coats with weather shield paint deluxe (ICI) make of approved shade on plaster surface (External) and including the cost of cleaning the surface, sand papering etc. complete at any height in any floor.	500.00	Sft		
11	Providing and laying floor of 1 inch (25 mm) thick white marble tiles, more than 72 Sq. inch upto 144 Sq. inch (more than 464 Sq.cm upto 928 Sq.cm) size fine dressed on the surface, without winding in ground floor over 1 inch (25 mm) cement mortar 1:4 (one cement four sand) setting the marble tiles with grey cement slurry over lime mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing etc. complete including the cost of mortar.	445.43	Sft		
12	Providing and laying floor of 3/4 inches (19 mm) thick Granite stone Pakistani Original more than One sq. ft. upto 3 Sq. ft. (0.093 Sq.m. upto 0.28 sq.m.) size fine dressed on the surface without winding in ground floor over 1 inch (25 mm) cement mortar 1:4 (one cement, four sand) setting the marble tiles with grey cement slurry including curing rubbing and polishing etc. complete, including the cost of mortar.	403.62	Sft		
13	Proving and laying floor 1 inch (25 mm) thick of cement tiles 12" X 12" X 1" (1/2 inch topping 1/2 inch base) or 305 mm X 305 mm X 25 mm (13 mm topping 12 mm base) in grey cement with pigment of dark shade in ground floor over 1 inch (25 mm) lime mortar 1:2 (one lime two sand) including setting the tiles with grey cement slurry over lime mortar, jointing and washing the tiles with grey cement slurry including grinding, rubbing, polishing and curing etc. complete including the cost of mortar .	1560.00	Sft		
14	Providing and laying floor of 3/4 inches (19 mm) thick Granite stone Pakistani Original more than 36 sq. inches upto 72 Sq. inches (232 Sq.cm. upto 464 sq. cm.) size fine dressed on the surface without winding in ground floor over 1 inch (25 mm) cement mortar 1:4 (one cement, four sand) setting the marble tiles with grey cement slurry including curing rubbing and polishing etc. complete, including the cost of mortar.	300.00	Sft		
15	Providing and fixing 3/8 inch (9.5 mm) thick white marble tiles above 144 Sq. inches (928 Sq.cm) size fine dressed on the surface without windings in dado and skirting and facing etc. in ground floor over 1/2 inch (13 mm) thick base	290.00	Sft		

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
	of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry curing, finishing, cleaning and polishing etc. in internal work complete..				
16	Extra for making nosing of treads as per design and instructions of the Engineer-in-Charge ..	531.86	Rft		
17	Providing and fixing Victorian Bench made of Wrought iron base and main frame of 2"x1" 2Nos 16SWG pipe ,with 1-1/2"x1/4" flate iron, Seshum Wood Purlen Duly painted with 3 coat Enamel paint etc complete. as per sample of AIOU main Campus.	10.00	Each		

Bill No. 2, Title: Electrical Works

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
1	Wiring for light or fan point with (3/.029") PVC insulated wire in 20 mm ² , (3/4") dia uPVC conduit recessed in the wall, column, roof, including 1mm ² single core PVC insulated wire as ECC as required.	10.00	Point		
2	Extension/Additional wiring for light, fan, call bell or light plug point, controlled with same switch with (3/.029") PVC insulated wire in 20 mm (3/4") dia uPVC conduit fitted on surface including 1 mm ² single core, PVC insulated wire as ECC as required.	10.00	Point		
3	Wiring for sub-main with 2x 3/.029", PVC insulated wire in existing or given all kind of conduit/ cable duct including 1mm ² PVC insulated wire single core wire as ECC as required.	200.00	mtr		
4	Wiring for sub-main with 2x 7/.029", PVC insulated wire in existing or given all kind of conduit/ cable duct including 1.5 mm ² PVC insulated wire single core wire as ECC as required.	100.00	mtr		
5	Wiring for sub-main with 2x 6 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire including 2.5 mm ² PVC insulated wire single core wire as ECC in 25 mm (1")dia uPVC conduit fitted on surface as required.	100.00	mtr		
6	Providing & fixing 10 Amps Polycarbonate flame retardant S.P switch with fancy required gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(Schneider / Philips)	5.00	Each		
7	Providing & fixing Polycarbonate flame retardant, fan dimmer with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Schneider / Philips)	10.00	Each		
8	Providing, Installation, Testing & Commissioning of LED spot lights10-12 Watts including driver, having warm / neutral white / cool white colour, 80-100 lm/watts efficiency, 0.5 - 0.70 power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge.	15	Each		

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
9	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	3	Sft		
10	Providing & fixing 6 to 32 Amps, DP MCCB fixed on metal board recessed in the wall duly covered with fiber sheet, l/c inter-connection as required.	1	Each		
11	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , l/c inter-connection as required.	10	Each		
12	Providing, Installation, Testing & Commissioning of Garden lights including driver, having warm / neutral white / cool white colour, 90-100 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge.				
	a) 4-6 Watts	8	Each		
	b) 10-12 Watts	8	Each		

Note for Bidders

- i) Cost estimation of above Bill of Quantities has been done using rates of Scheduled Items derived by Pakistan Public Works Department under its CSR 2022, whereas Non-scheduled Items have been costed based on Market Survey.
- ii) Soft Copy of the Bill of Quantities has been uploaded at the website of the University (www.aiou.edu.pk) which the bidders may download for their ease.