

Bill of Quantities

SUMMARY

Bill #	Description	Amount (Pak. Rs.)
1	Civil Works	
2	Electrical Works	
3	Miscellaneous	
	Grand Total	

Bill No. 1, Title: Civil Works

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
1	Dismantling rainwater pipe including clamps and specials and stacking serviceable material, disposal of unserviceable material as directed within three chains (91.5 m).	100	Rft		
2	Providing and fixing 4" (100 mm) dia polyvinyl chloride rain water (PVC) down pipe with mild steel clamps, bolts and nuts fixed in cement concrete 1:2:4 etc. complete.	100	Rft		
3	Providing and fixing 4" (100 mm) dia polyvinyl chloride (PVC) sockets for rainwater down pipe.	10	Each		
4	Providing and fixing 4" (100 mm) dia polyvinyl chloride (PVC) bend of any degree for rainwater down pipe with clamps, bolts and nuts in cement concrete 1:2:4 etc. complete.	20	Each		
5	Cement plastering 3/4" thick patches in cement sand mortar 1:4 including curing and scraping the old damaged portion in regular shape and removal of rubbish from the site at etc complete is per direction of the Engineer Incharge at any floor at any height.				
i)	Ground Floor	300	Sft		
ii)	First Floor	300	Sft		
iii)	2nd Floor	300	Sft		
6	Lacquer Polishing Including sealer (ICI) on Wood Work at any height in any floor	200	Sft		
7	Providing and laying out Termite proofing in foundations, under floors and woodwork surface with a solution using of confront TC with water and spraying the solution of the area to be treated as completed as per direction of Engineer Incharge.	5000	Sft		
8	Providing and fixing M. S. tees, angles and flats including welding all the sides of the section at the junction, gusset plates, bolts, nuts etc. complete with hoisting and erecting in position in steel trusses, frames, towers etc. of any design.	300	kg		
9	P/F windows roll blinds sunscreen, dark out, or translucent fabric any colour/shade best quality (Imported) with manual roll up arrangement complete in all respect with all other required accessories and hardware	30.00	Sft		

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
	from the approved suppliers and manufactures, as per direction of Engineer Incharge				
10	Dismantling cement tiled floor, dado or skirting in basement, plinth and ground floor including base mortar and stacking salvaged material (serviceable) and disposing of surplus stuff as directed within three chains (91.5 m)....	3250	Sft		
11	Provide and fixing floor approved coloured glazed tiles more then from 1 Sq.ft to 2 ft size master make or equivalent first grade in ground floor laid over 1" thick cement mortar 1:2, including filling the joints and washing the tiles with white cement slurry a matching color and curing and cleaning etc. complete.				
	Ground Floor	600	Sft		
12	Providing and fixing 1/4 inches or 6.4 mm (approx.) thick approved Pakistani make glazed tiles upto 1.50 sq.ft to 3. sq. ft size in dado and skirting in ground floor, over 1/2 inch (13 mm) thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tile with white cement slurry curing and cleaning etc. complete				
	Ground Floor	2800.00	Sft		
13	Provide, lay, cure etc. first class burnt brickwork in walls in superstructure, including form work etc. complete.				
a)	9" and over thick, set in 1:6 cement sand mortar:				
i)	Ground Floor	25.00	Cft		
ii)	First Floor	50.00	Cft		
b)	4-1/2" thick, set in 1:4 cement sand mortar:				
i)	Ground Floor	25.00	Cft		
ii)	First Floor	50.00	Cft		
14	Provide, apply, finish smooth, cure, etc. 3/4" thick 1:4 cement sand external plaster, complete upto any heigh.				
i)	Ground Floor	50	Sft		
ii)	First Floor	100	Sft		
15	Dismantling cement concrete work cost in situ in foundation, basement, plinth and ground floor i/c disposing of the material is directed with in three chains complete.				
i)	Ground Floor	150	Cft		
ii)	First Floor	1250	Cft		
iii)	2nd Floor	700	Cft		
16	Rubbing and polishing old mosaic floor, dado and skirting in any floors.	3500	Sft		
17	Providing and laying terrazzo floor 2-3/4 inches (44 mm) thick consisting of 3/4 inch (19 mm) thick topping 1:2 (one grey cement two approved marble Chipps 0 to 6) over a base of 1:2:4 (one cement two sand, and four crushed graded boulders) cement concrete 2				

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
	inch (50 mm) thick laid in panels or pattern including form work, curing, cutting, rubbing and polishing etc. complete..				
i)	Ground Floor	250	Sft		
ii)	First Floor	5000	Sft		
iii)	2nd Floor	2650	Sft		
18	Providing and laying 3/8" (9mm) thick marble patties (panel strips) up to 1" (25 mm) depth in floor and dado of any description in all floor.	4500	Rft		
19	Provide, fill, compact, level, cure etc. 1:2:4 mass concrete in raise Floor.	100	Cft		
20	Providing and laying in situ 1:2:4 (1 cement 2 sand and 4 coarse aggregate) cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge in foundation, basement and plinth including form work, compacting, curing and removal of form work etc. complete, foundation and basement up to 5 feet (1.52 m) depth and plinth up to 4 feet (1.2 m) height from ground level .	250	Cft		
21	Providing and Fixing Royal Bath Room Accessory Set approved or equalient of 7 pieces consist of one cosmetic shelf, one towel rod with bracket, one soap dish, one tooth brush holder with glass and cover, one tissue paper holder one double hook one towel ring etc	1	Each		
22	Distempering two renewal coats with vinyle distemper (Paintex ICI Dulux) of approved make and shade to walls and ceiling etc., including scraping cleaning the old surface in any floor .	3000	Sft		
23	Repainting two coats with enamel paint of approved make and shade to wood work including scraping and sand papering the surface as directed by Engineer-in-Charge in any floor.	500	Sft		
24	Providing and fixing floor waste 6"x6" (stainless steel) Jali etc. complete.	14	Each		
25	Providing & fixing chromium plated Muslim bib-cock with Muslim Shower of approved quality.	3	Each		
26	Providing and fixing best quality squatting type earthen ware W.C. pan (Porta or equivalent complete with and including the cost of 13.6 litre best quality low level plastic slushing cistern with internal fittings complete. P.V.C flushing pipe suitable for squatting type with extra bends and length with fittings, PVC trap 4 inches dia and making requisite number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	8	Each		
27	Providing and fixing Pakistani best quality European style white glazed earthenware W.C pan complete with and including the cost of plastic seat and buffers, 13.6 litres best quality low level plastic flushing cistern with	2	Each		

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
	internal fittings complete, P.V.C flushing pipe with fittings and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4..				
28	Providing and fixing un platized polyvinyl chloride pipe (U.P.V.C) "D" class (Acid Proof) of "Dadex" with specials such as bend Tee elbo reducer union floop trap etc. and clamps etc, including cutting and fitting complete with and including the cost of breaking through walls and roof and making good etc., after cleaning the pipe and cartage within 10 miles (16.09 km).				
i)	3" Dia	100	Rft		
ii)	4" Dia	100	Rft		
29	Providing and fixing 25 inches x 18 inches (635 mm x 457 mm) lavatory basin in white glazed earthenware (Pakistani) complete with and including the cost of Brass oxidized bolts kit built into wall /2 inch (15 mm) dia. Chrome plated mixer 1-1/4" inches (32mm) rubber plug and chrome plated brass chain, 1-1/4 inches (32 mm) dia brass waste of approved pattern, 1-1/4 inches (32 mm) dia. Malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls plinth and floor for pipe connections and making god in cement concrete 1:2:4.	7	Each		
30	Extra over item above for providing and fixing matching white glazed earthen ware pedestal ICL/Forte make, export quality.	7	Each		
31	Providing and fixing CP Mixer 1/2 inches (15 mm) (Faisal/Master or equivalent) lever type Paksitani complete in all respect.	7	Each		
32	Providing and PPRC pipe PN-20 with specials, and clamps etc, including cutting and fitting complete with and including the cost of breaking through walls and roof and making good etc; after cleaning the pipe and cartage within 10 miles, (Internal)				
	25 mm dia	150	Rft		
33	Structural excavation for foundations and basement in any type of soil including stone or gravel, upto required depths including back filling in trenches and under floors/pavements with approved excavated material, in layers including watering, ramming compacting, leveling & dressing etc., as per specification and disposal of surplus excavated material within or outside the project limits, including all lift and lead etc., complete as directed.	100	Cft		
34	Providing manhole type 'A' size 2 feet x 1-1/2 feet or 610 mm x 457 mm(inside dimensions) x 2 feet (610 mm) deep as	1	Each		

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
	per approved design and specifications complete for 4 inches to 12 inches (100 mm to 305 mm) dia. Pipes upto 3 feet-11 inches (1.19 m) depth with 16 inches (406 mm dia.) (inside) cast iron cover and frame (weight = 1 Cwt. 1. Qtr.) (63.5 kg.) fixed in R.C.C.1:2:4 slab 4 inches (102 mm) thick, burnt brick masonry walls 9 inches (229 mm) thick set in 1:4 cement mortar, 6 inches (150 mm) 1:3:6 C.C. in foundation, 1:2:4 C.C. in benching and 1/2 inch (13 mm) thick cement plaster in 1:3 C.M., to all inside walls surfaces channels and benching etc., and to top including making requisite number of main and branches channels but excluding the cost of excavation, back filling and disposal of excavated stuff, manhole cover and frame.				
35	Providing & fixing C.I Cover & Frame 18" dia (460 mm) weight 1 cwt 3 Qtr (88.90 Kg.)	1	Each		
36	Providing R.C.C. pipes and collars of class 'B' and fixing in trench including cutting, fitting and jointing with maxphalt composition and cement mortar (1:1) and back filling the excavated material in trench including testing with water to a pressure head of 50 feet (15.24m) and cartage within 10 miles (16.09 km). 12 inches (150 mm) dia. pipe.	50	Rft		
37	Providing and fixing 1/2 inches dia. (15 mm) CP bib cocks.	14	Each		
38	Providing and fixing standing wall shower of CP brass 3 knobs of approved quality mixer unit and moveable shower head complete..	1	Each		
39	Providing and fixing Plastic Rack/Shelf 24" long of Master make with C.P. screws as approved by the Engineer Incharge.	5	Each		
40	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 1:2 (one cement, two sand) setting the marble tiles with grey cement slurry including curing rubbing and polishing etc. complete, including the cost of mortar.				
	Ground Floor	400	Sft		
41	Providing and fixing 3/8 inch (9.5 mm) thick marble tiles up to 36 Sq. inches (232 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 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,	400	Sft		

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
	finishing, cleaning and polishing etc. in External facing work complete.				
42	Scraping, rubbing and cleaning white-wash, colour wash and oil-free distemper including removal of rubbish etc. as per direction of the Engineer-in-charge complete in all floors.	8000	Sft		
43	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.	5000	Sft		

Bill No. 2, Title: Electrical Works

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
1	Replacement of un- serviceable and burnt out 10 Amps S.P Switch (MATRIX / SOK / TJ SERIES/TRUST) with new one of all kinds on existing board as per existing size and sample as required.	30	Each		
2	Replacement of u/s and b/o Fan Capacitor 3.5 Mfd for all sweep suitable for 220 volts A.C supply complete in all respect i/c cartage and fixing charges as required.	5	Each		
3	Replacement of u/s and w/o Fan Bearing set with new one as per existing size after the dismantling the ceiling fan all sweep complete in all respect i/c cartage and fixing charges as required.	5	Set		
4	Providing & installing of Ceiling fan down rod 3/4" dia heavy gauge GI pipe of require length, one end arrangement for fan insulator and other end duly threaded and hole for split pin etc to be hold all sweep ceiling fan as required.	45	Rft		
5	Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, standard length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Pak, Royal, GFC, Younas, Millat.	3	Each		

Bill No. 3, Title: Miscellaneous

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
1	Removing and re installation of existing bath room accessories/earthenware (Commode, Wash Basin, Bib Cocks, Tee cock, Shower Set Towel rail, Soap Dish, Toilet paper holder and Flushing Cistern etc) including the cost of refixing of existing accessories/items.	10	Job		

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
2	Removing of existing bathroom accessories/ earthenware (Commode, Wash Basin, Bib Cocks, Tee cock, Shower Set Towel rail, Soap Dish, Toilet paper holder and Flushing Cistern etc) including the cost of removing of carefully handing over to directorate of works.	1	Job		
3	Providing and fixing Looking glass imported Belgium or approved 5mm thick i/c edging of approved 6 Sft size fixing with clamps C.P screws good quality complete as per direction of Engineer Incharge.	21	Sft		
4	Providing and fixing approved quality C.P. Soap Dish (Faisal, Porta & Sonex) or as approved by Engineer Incharge.	12	Each		
5	Providing and applying one coat (1mm thick) of Rizzon painting of ready mix as approved colour over existing fiber sheet after repair damaged i/c scraping and sand papering of surface at any floor, as directed by the Engineer Incharge.	2025	Sft		
6	Replacing the Aluminum Door Lock of approved Quality.	5	Each		
7	Repair and Maintenance of aluminum doors/window including replacing of hinges catchers, rubber fixing etc complete.	4	P.Sft		
8	Providing and fixing flaper rubber to aluminium wire mesh shutter to stop the masquito / fly at any height complete with all respect.	56	P.Rft		
9	Providing and applying termite proofing inside the building chemical component of (Agenda) drilling 18"to 24" @3sft . after filling the chemical caping the hole with C.S 1:2 ratio. complete and as per instructions of engineer in charge. (Area will be measured in Sft).	5000	P.Sft		
10	Replacing of 5 or 6 mm thick plain glass of the existing window/ventilators and skylights complete in all respect.up to any height.	100	P.Sft		
11	Providing fabrication & Fixing of Iron Frame of 1"x1" 16SWG square pipe with Jali on Ventilator openings i/c painting the frame etc complete as directed by engineer incharge	50	Sft		
12	Providing, fixing best quality Ablution mixer Faisal/ Master made i/c all fitting and fixtures complete	26	Each		
13	Providing & Fixing of Power Plug 16 Amp and also replacing with the old one.	4	Each		
14	Cleaning & Re-opening of existing sewerage line of dia 6" and 9" i/c roding pressure pump and disposing of debris, filling of concrete joints complete with all respect.	50	Rft		

Item. #	Description	Quantity	Unit of Measurement	Unit Rate (Pak. Rs.)	Amount (Pak. Rs.)
15	P/Replacing of plastic flushing tank of (Faisal/ Master make) approved quality complete as per the site requirement.	5	Each		
16	Preparing the existing surface of wall/ceiling by applying priming coat including 2 coat wall putty of ICI, Dulux,Burger or approved manufacturer for paint/distemper, including rubbing, scrapping, sandpapering, filling holes making the surface good for paint/distemper.	3000	Sft		
17	Preparing the existing surface of wall/ceiling by applying priming coat including wall putty of ICI, Dulux,Burger or approved manufacturer for weathershield, including rubbing, scrapping, sandpapering, filling holes making the surface good for paint/distemper.	5000	Sft		
18	Providing & Fixing of fan dimmer and plate also replacing with the old one.	5	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.