

The Islamia University of Bahawalpur

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Construction of Faculty Hostel for Women at Baghdad-ul-Jadeed Campus

Civil Work

No.	Description	Quantity	Rate	Unit	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	98000.00 Cft		%o Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	7000.00 Cft		% Cft	
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8 ii) Ratio 1:6:12	11500.00 Cft 8000.00 Cft		% Cft % Cft	
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 1.5: 3)	13650.00 Cft		Per Cft	
5	Spraying anti-termite liquid mixed with water in the ratio of 1:40	70800.00 Sft		% Sft	
6	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	57200.00 Cft		% Cft	
7	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 1.5" thick (40 mm)	3900.00 Sft		% Sft	
8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:4 ½" thick (13 mm)	12000.00 Sft		% Sft	
9	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	8000.00 Sft		% Sft	
10	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4 mile	12000.00 Cft 50000.00 Cft		%o Cft %o Cft	
11	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor iii) Second Floor	32000.00 Cft 11000.00 Cft 4500.00 Cft		% Cft % Cft % Cft	
12	Pacca brick work in Cement, sand mortar:- Ratio 1:3 i) Ground Floor ii) First Floor iii) Second Floor	2850.00 Cft 2600.00 Cft 2600.00 Cft		% Cft % Cft % Cft	
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	43500.00 Sft		% Sft	
14	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick ii) ¾" (20 mm) thick	55000.00 Sft 34000.00 Sft		% Sft % Sft	
15	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof.	53330.00 Sft		% Sft	

No.	Description	Quantity		Rate	Unit	Amount
16	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars					
	i) Deformed Bar 60-Grade	70000.00	Kg		% Kg	
	ii) Deformed Bar 40-Grade	13000.00	Kg		% Kg	
17	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects using harrow sand					
	i) Ground Floor Type B (nominal mix1:1½:3)	5000	Cft		Per Cft	
	ii) First Floor Type B (nominal mix1:1½:3)	5000	Cft		Per Cft	
	iii) Ground Floor Type C (nominal mix1:2:4)	14500	Cft		Per Cft	
	iv) First Floor Type C (nominal mix1:2:4)	14500	Cft		Per Cft	
18	Supplying and filling sand under floor; or plugging in wells	5000.00	Cft		% Cft	
19	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	14500.00	Cft		% Cft	
20	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	250.00	Sft		Per Sft	
21	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x '4") and leaf frame of 60x40mm (2½"x1½") wide all of 2 mm thickness sections including the cost of ¼" (5 mm) thick imported tinted 'glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved 'standard fittings, locks, 3" (75 mm) wide long handles etc., & hardware any required as approved by the engineer incharg	300.00	Sft		Per Sft	
22	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	250.00	Sft		Per Sft	
32	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 1.6 mm thick	5000.00	Sft		Per Sft	
33	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	1500.00	Kg		% Kg	

No.	Description	Quantity	Rate	Unit	Amount
34	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	110000.00 Sft		% Sft	
35	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	11500.00 Sft		% Sft	
36	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats, upto 20' height	35000.00 Sft		% Sft	
37	Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height,or part thereof, requiring scaffolding.	25000.00 Sft		% Sft	
38	First class deodar wood wrought joinery in doors and windows, etc. panelled, or panelled or glazed, or fully glazed, fixed in position, including chowkat, holdfast,hinges, tower bolts, chocks, rubber stop, cleats/G.I. clamps, handles and chord with hooks, etc. complete '(excluding sliding bolt or lock):- 1½" thick (40 mm)	300.00 Sft		Per Sft	
39	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	2800.00 Sft		% Sft	
40	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	150.00 No		Each	
41	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	5200.00 Rft		Per Rft	
42	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	100.00 Rft		Per Rft	
43	Providing and fixing collapsible gate made of 2"x2"x¼" (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼"x¼"x1/8" at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, 'handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	160.00 Sft		Per Sft	
44	Extra labour for each storey above ground, for mosaic,conglomerate, tiles , stone and wooden floor.	40000.00 Sft		% Sft	
45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 1.5" thick	43500.00 Sft		% Sft	
46	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.	43500.00 Sft		% Sft	
47	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	20.00 No		Each	
48	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	43500.00 Sft		Per Sft	
				Total	

No.	Description	Quantity		Rate	Unit	Amount
	Civil Work (Non-Schedule)					
1	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2" ii) 6"x2-1/2"	4500.00	Sft		Per Sft	
		1800.00	Sft		Per Sft	
2	Providing & Laying PVC water stopper complete in all respects	300.00	Rft		Per Rft	
3	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	24500.00	Sft		Per Sft	
4	Providing & Laying pre-polished granite marble slab 3/4" thick of aproved quality colour, shade & texture for stair treads set over 3/4" thick 1:3 cement sand mortor in i/c rendering off 2 Nos non-skirdding grooves (3/4" wide & 1/4" deep) in each steps, rounding off front edges, complete in all respects as shown in the drawing and or as directed by the engineer incharge	6000.00	Sft		Per Sft	
5	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	40000.00	Sft		Per Sft	
6	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	14000.00	Sft		Per Sft	
7	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	22000.00	Sft		Per Sft	
8	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	500.00	Sft		Per Sft	
9	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	8000.00	Sft		Per Sft	
10	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	3600.00	Sft		Per Sft	

No.	Description	Quantity		Rate	Unit	Amount
11	Providing and fixing 3/4" thick PVC Board shutter with one side leminate & 3/4" x 3/4" PVC beading over wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks,hydraulic hinges, on beading complete in all respects including hanger rod etc. as approved by the Engineer Incharge.	10500.00	Sft		Per Sft	
12	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	110000.00	Sft		Per Sft	
13	Providing & Laying pre-polished China verona marble slab 1" thick rendered with bevelled edges on counter top set over 1/2" thick 1:3 cement sand mortor and expose joint fill with matching colour grout of white cement and colour pigment complete in all respects as shown in the drawing and or as directed by the engineer incharge	200.00	Sft		Per Sft	
14	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the engineer incharge (Down portion) Floor Mounted Cabinets (Shutters only)	500.00	Sft		Per Sft	
15	Providing & Fixing Cabnet upper portion consisting of lamination board 3/4" thick box and leaves, Partial wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the Engineer Incharge Wall Hanging Cabinets	500.00	Sft		Per Sft	
16	Providing & Fixing Hydraulic door closer including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	50.00	No		Each	
17	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	5000.00	Sft		Per Sft	
18	2'-9" high stair railing comprising of 2-1/2" dia 16 gauge S.S pipe hand rail fixed with same dia pipe blusters as specified distance fixed at top of steps with expension bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes horizontally fixed with blusters compelte in all respects	1500.00	Rft		Per Rft	
19	Providing and fixing Deodar Door Hardware comprising of Tower bolts 18" long, Brass Handle 12" long, Brass L-Daraz 18" long etc complete in all respect as approved by the Engineer Incharge.	3.00	Job		Per Job	
20	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement,handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	200.00	Sft		Per Sft	
21	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant (Poly-Sulphide) of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	500.00	Rft		Per Rft	

No.	Description	Quantity	Rate	Unit	Amount
22	Providing and fixing of False Ceiling consisting of laminated Gypsum Board (one side laminated) of size 600 mm x 600 mm x 7.5 mm over aluminium Tee's 1"x 1" size at 2'-0"x2'-0" center to center longitudinally and transversally & aluminium angle of size 1" x 1" at corners/ ends, including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as approved by the Engineer Incharge.	1000.00 Sft		Per Sft	
23	Providing & Fixing S.S pipe railing 2' high (For Gallery) comprising of 2.5" dia 16 SWG in corridor openings fixed with same dia pipe bluster at same distance with 2 No. 16 SWG 1/2" dia S.S pipe horizontally with accessories & fixing complete in all respect & as approved by the Engineer Incharge	1500.00 Rft		Per Rft	
24	Providing and fixing solid engineered door of teak wood (NTC FGV-307) with engineered stabilized center core with 3/4" solid edge banding including hinges, tower bolt rubber stop cleats handles and chord with hooks etc. complete in all respect or as per approval of the engineer incharge.	2500.00 Sft		Per Sft	
				Total	
	Plumbing work				
1	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	5500.00 Cft		%o Cft	
2	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels and removing surface water in all types of soil except shingle gravel and rock upto: i) 0 to 7 ft	8000.00 Cft		%oCft	
3	Providing & Fixing Brass gas cock 15mm 1/2" dia	30.00 No		Each	
4	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	1.00 Con. 1.00 Con.		P/Con P/Con	
5	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	35.00 No		Each	
6	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) ¾" i/d (20 mm) b) 1" i/d (25 mm) c) 1½" i/d (40 mm)	350.00 Rft 1000.00 Rft 500.00 Rft		P/Rft P/Rft P/Rft	
7	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe in trenches. complete in all respects PN-10 (SDR-17) i) 3" dia (90 mm)	500.00 Rft		P/Rft	
8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	4.00 No		Each	
				Total	

No.	Description	Quantity		Rate	Unit	Amount
	Plumbing work (Non-Schedule)					
1	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d iii) 8" i/d	3000.00 1500.00 500.00	Rft Rft Rft		Per Rft Per Rft Per Rft	
2	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d ii) 32mm o.d iii) 40mm o.d iv) 50mm o.d	3000.00 4500.00 1500.00 500.00	Rft Rft Rft Rft		Per Rft Per Rft Per Rft Per Rft	
3	Providing & Fixing uPVC P-trap 4" dia of approved quality	150.00	No		Each	
4	Construction of collection chamber without grating complete in all respects as per drawing &/or as directed by the engineer	10.00	No		Each	
5	Providing & Fixing grating at site with angle iron frame 1.5"x1.5"x1/4" and 1" square bars @ 1" c/c compele in all respects according to the drawing and specifications as per direction by the engineer incharge.	10.00	No		Each	
6	Construction of square masnory manhole 2.50x2.50 ft. including cover & frame upto 5' depth	10.00	No		Each	
7	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. i) 25 mm O.D ii) 32 mm O.D iii) 40 mm O.D iv) 50 mm O.D	30.00 30.00 8.00 2.00	No No No No		Each Each Each Each	
8	Supply and installation of Gas geysers of following capacity , including ball valves on inlet and outlet connections complete in all respects. 14 SWG tank, 55 gallon	30.00	No		Each	
9	Providing & Fixing Looking Glass 5-mm thick best quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	1000.00	Sft		P/Sft	
10	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	50.00	No		Each	
11	Providing and fitting chromium Muslim Shower best quality complete in all respects as approved by the engineer incharge (HD-60 Porta or equivalent company)	35.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
12	Providing and fixing Coloured Glazed Earthen ware water closet European type Couple set including Flush Tank fixed with comode, hydraulic seat cover , sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	35.00	No		Each	
13	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respects as approved by the engineer incharge (HD3T Porta or equivalent company)	35.00	No		Each	
14	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respects as approved by the engineer incharge (HDD9 Porta or equivalent company)	35.00	No		Each	
15	Providing and fitting glazed earthen ware Counter basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respects as approved by the engineer incharge	35.00	No		Each	
16	Providing and fitting Chromium plated Single lever Basin Mixer complete in all respects as approved by the engineer incharge (Porta HDA0501M or equivalent company)	35.00	No		Each	
17	Providing and fitting Single Lever Bath Mixer (Porta HDA0563Y) or equivalent complete in all respects as approved by the engineer incharge	35.00	No		Each	
18	Providing and fitting Top Shower 6" dia (Porta HDDP2172) or equivalent complete in all respects as approved by the engineer incharge	35.00	No		Each	
19	Providing and fitting Wash Basin with Pedestal (Porta HD17) or equivalent complete in all respects as approved by the engineer incharge	5.00	No		Each	
20	Providing and fitting S.S Grip Bar (Porta HD95 456mm) or equivalent complete in all respects as approved by the engineer incharge	4.00	No		Each	
21	Providing and fitting Chromium Tee Stop Cock Porta HDJ817A or equivalent complete in all respects as approved by the engineer incharge	350.00	No		Each	
22	Providing and fitting Bath Mixer (Diverter for Muslim Shower) Porta D4911 Ocean or equivalent complete in all respects as approved by the engineer incharge	35.00	No		Each	
					Total	
	Electrical Work (Schedule)					
1	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-					
	50 mm i/d	5000.00	Rft		Per Rft	
	80 mm i/d	8000.00	Rft		Per Rft	
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:					
	i) 7/1.63 mm (7/0.064")	4000.00	Rft		Per Rft	
	ii) 7/0.74 mm (7/0.029")	3000.00	Rft		Per Rft	

No.	Description	Quantity		Rate	Unit	Amount
3	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- .					
	PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-					
i	7/1.63 mm (7/0.064")	4000.00	Rft		Per Rft	
ii	PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG.					
	19/2.11 mm (19/0.083")	1000.00	Rft		Per Rft	
					Total	
	Electrical Work (Non-Schedule)					
1	Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1000.00	No		Each	
2	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1100.00	No		Each	
3	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	150.00	No		Each	
4	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (¾") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	120.00	No		Each	
5	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044") single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	120.00	No		Each	
6	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	50.00	M		Per M	
7	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	60.00	M		Per M	
8	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	200.00	No		Each	
9	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	525.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
10	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	2.00	No		Each	
11	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widening of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	1.00	No		Each	
12	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	100.00	No		Each	
13	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal mounting frame i/c any accessories (i.e. screw. Rawl plug/rawl bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)	2.00	No		Each	
14	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	35.00	No		Each	
15	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	480.00	No		Each	
16	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	120.00	No		Each	
17	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	100.00	No		Each	
18	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	20.00	No		Each	
19	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	16.00	No		Each	
20	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	150.00	No		Each	
21	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	2.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
22	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 15"x21") including Incoming Main Molded Case Circuit Breaker of 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthing bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	8.00	No			
23	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 15"x21") including Incoming Main Molded Case Circuit Breaker of 50 Amps T-p (10KA) 1.00 No, Distribution Miniature Circuit Breaker of 10 Amps S-p (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthing bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	8.00	No		Each	
24	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00	No		Each	
25	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	60.00	No		Each	
26	Supply & installation of LED 2'x 2' Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 36S/865 PSU W60L60 GM G2 or Equivalent)	15.00	No		Each	
27	Supply & installation of 2' x 2' False Ceiling Fan 16" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	5.00	No		Each	
28	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bitu or equivalent)	250.00	No		Each	
29	Horizontal boring 4" dia underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	50.00	Rft		Per Rft	
					Total	
	External Work					
	Civil Work					
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	6000.00	Cft		%o Cft	

No.	Description	Quantity		Rate	Unit	Amount
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	200.00	Cft		% Cft	
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8 i) Ratio 1:6:12	350.00 3500.00	Cft Cft		% Cft % Cft	
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	350.00	Cft		Per Cft	
5	Spraying anti-termite liquid mixed with water in the ratio of 1:40	600.00	Sft		% Sft	
6	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	850.00	Cft		% Cft	
7	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 1.5" thick (40 mm)	300.00	Sft		% Sft	
8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	500.00	Sft		% Sft	
9	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside,lead upto 1/4 mile	1500.00 30000.00	Cft Cft		%o Cft %o Cft	
10	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i)	250.00	Cft		% Cft	
11	Pacca brick work in Cement, sand mortar:- Ratio 1:3 i) Ground Floor	100.00	Cft		% Cft	
12	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b)	500.00	Sft		% Sft	
13	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 60-Grade	200.00	Kg		% Kg	
14	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix1:2:4) using harrow sand Ground Floor	150	Cft		Per Cft	
15	Supplying and filling sand under floor; or plugging in wells	400.00	Cft		% Cft	
16	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	400.00	Cft		% Cft	
17	Transportation of earth all types when the total distance, including the lead covered in the item of work,is more than Lead upto 1-Mile (3333.10+(40.60*12)	250000.00	Cft		%o Cft	
18	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats i) upto 20' height	1000.00	Sft		% Sft	

No.	Description	Quantity	Rate	Unit	Amount
19	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	400.00 Sft		% Sft	
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	400.00 Rft		Per Rft	
21	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 'Ratio 1:5	200.00 Cft		% Cft	
22	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	20000.00 Sft		P/Sft	
	Civil Work (Non-Schedule)			Total	
1	Construction of Pacca Boundary wall with Grill as per drawing including cost of necessary excavation 2.25' width and 3' feet deep P.C.C 1:6:12 6" thick in foundation Pacca Brick work 1:6 cement sand moater first step 18" x 6" and second step 1.12 x 6", 9" wide 3.50" thick DPC 1:2:4, 1.5" thick with butimen pacc brick work DPC to grill bottom level 1.5' height, outer side gutka and inner side cement plaster 1:5 and also including cost of making and erecting MS Grill consist of M.S angle iron 2" x 2" x 1/4" thick M.S Box pipe 1.5" x 1.5", 18 SWG M.S box pipe 3/4" x 3/4", 18 SWG M.S square 3/8" x 3/8" M.S sheet 2" x 1/4" embedded in R.C.C 1:2:4, 4.5" thick on top of boundary wall dual painted complete in all respect.	1000.00 Sft		P/Sft	
2	Making and fixing M.S Main gate size 17.5' x 8.5' consisting of 2' x 2' tiwn pillors using iron size 2" x 2" x 1/4" for vertical 2" x 2" x 1/4" for brace leaf frame 2" x 2" x 1/4" M.S Square bars 3/4" M.S flat 2" x 3/8" M.S Steel bar 1/2" dia, M.S sheet 16 SWG, arrows 3" x 1.5", gulli kabza 9" x 3" size, tower bolts 3/4" M.S flats 3" x 1/4" dully painted complete in all respect as approved by engineer incharge.	200.00 Sft		P/Sft	
3	Providing and fixing truss M.S pipe (2"x1") 18 SWG for truss, and frame with M.S square pipe (1"x1") fixing of fiber glass sheet (3mm thick bund colour) at truss supporting by verticale G.I pipe 4" dia (Light Quality) fixing in PCC 1:2:4, 15"x15"x2'-6" i/c brick work & painting 3 coats as per design, drawing & pattern and as approved by the engineer incharge complete in all respect.	4000.00 Sft		P/Sft	
				Total	

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The Islamia University of Bahawalpur

Construction of Faculty Hostel for Men at Baghdad-ul-Jadeed Campus

Civil Work

MRS Jul to Dec, 2020

No.	Description	Quantity	Rate	Unit	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	98000.00 Cft		%o Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	7000.00 Cft		% Cft	
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8 ii) Ratio 1:6:12	11500.00 Cft 8000.00 Cft		% Cft % Cft	
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i)				

No.	Description	Quantity	Rate	Unit	Amount
	above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 1.5: 3)	13650.00 Cft		Per Cft	
5	Spraying anti-termite liquid mixed with water in the ratio of 1:40	70800.00 Sft		% Sft	
6	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	57200.00 Cft		% Cft	
7	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 1.5" thick (40 mm)	3900.00 Sft		% Sft	
8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:4 ½" thick (13 mm)	12000.00 Sft		% Sft	
9	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	8000.00 Sft		% Sft	
10	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside, lead upto 1/4 mile	12000.00 Cft 50000.00 Cft		%o Cft %o Cft	
11	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor iii) Second Floor	32000.00 Cft 11000.00 Cft 4500.00 Cft		% Cft % Cft % Cft	
12	Pacca brick work in Cement, sand mortar:- Ratio 1:3 i) Ground Floor ii) First Floor iii) Second Floor	2850.00 Cft 2600.00 Cft 2600.00 Cft		% Cft % Cft % Cft	
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	43500.00 Sft		% Sft	
14	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick ii) ¾" (20 mm) thick	55000.00 Sft 34000.00 Sft		% Sft % Sft	
15	Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof.	53330.00 Sft		% Sft	
16	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars i) Deformed Bar 60-Grade ii) Deformed Bar 40-Grade	70000.00 Kg 13000.00 Kg		% Kg % Kg	
17	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects using harrow sand i) Ground Floor Type B (nominal mix1:1½:3) ii) First Floor Type B (nominal mix1:1½:3) iii) Ground Floor Type C (nominal mix1:2:4) iv) First Floor Type C (nominal mix1:2:4)	5000 Cft 5000 Cft 14500 Cft 14500 Cft		Per Cft Per Cft Per Cft Per Cft	
18	Supplying and filling sand under floor; or plugging in wells	5000.00 Cft		% Cft	
19	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	14500.00 Cft		% Cft	
20	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm				

No.	Description	Quantity		Rate	Unit	Amount
	thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	250.00	Sft		Per Sft	
21	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x '4") and leaf frame of 60x40mm (2½"x1½") wide all of 2 mm thickness sections including the cost of ¼" (5 mm) thick imported tinted 'glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved 'standard fittings, locks, 3" (75 mm) wide long handles etc., & hardware any required as approved by the engineer incharg	300.00	Sft		Per Sft	
22	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	250.00	Sft		Per Sft	
32	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 1.6 mm thick	5000.00	Sft		Per Sft	
33	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	1500.00	Kg		% Kg	
34	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	110000.00	Sft		% Sft	
35	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	11500.00	Sft		% Sft	
36	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats, upto 20' height	35000.00	Sft		% Sft	
37	Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height,or part thereof, requiring scaffolding.	25000.00	Sft		% Sft	
38	First class deodar wood wrought joinery in doors and windows, etc. panelled, or panelled or glazed, or fully glazed, fixed in position, including chowkat, holdfast,hinges, tower bolts, chocks, rubber stop, cleats/G.I. clamps, handles and chord with hooks, etc. complete '(excluding sliding bolt or lock):- 1½" thick (40 mm)	300.00	Sft		Per Sft	
39	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	2800.00	Sft		% Sft	
40	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	150.00	No		Each	
41	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	5200.00	Rft		Per Rft	

No.	Description	Quantity		Rate	Unit	Amount
42	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw,1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	100.00	Rft		Per Rft	
43	Providing and fixing collapsible gate made of 2"x2"x"¼" (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼"x¼"x1/8" at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, 'handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	160.00	Sft		Per Sft	
44	Extra labour for each storey above ground, for mosaic,conglomerate, tiles , stone and wooden floor.	40000.00	Sft		% Sft	
45	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 1.5" thick	43500.00	Sft		% Sft	
46	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.	43500.00	Sft		% Sft	
47	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	20.00	No		Each	
48	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	43500.00	Sft		Per Sft	
					Total	
	Civil Work (Non-Schedule)					
1	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2" ii) 6"x2-1/2"	4500.00 1800.00	Sft Sft		Per Sft Per Sft	
2	Providing & Laying PVC water stopper complete in all respects	300.00	Rft		Per Rft	
3	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	24500.00	Sft		Per Sft	
4	Providing & Laying pre-polished granite marble slab 3/4" thick of aproved quality colour, shade & texture for stair treads set over 3/4" thick 1:3 cement sand mortor in i/c rendering off 2 Nos non-skirdding grooves (3/4" wide & 1/4" deep) in each steps, rounding off front edges, complete in all respects as shown in the drawing and or as directed by the engineer incharge	6000.00	Sft		Per Sft	
5	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2,	40000.00	Sft		Per Sft	

No.	Description	Quantity		Rate	Unit	Amount
	complete in all respects as approved by Engineering inch.					
6	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	14000.00	Sft		Per Sft	
7	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	22000.00	Sft		Per Sft	
8	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	500.00	Sft		Per Sft	
9	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	8000.00	Sft		Per Sft	
10	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	3600.00	Sft		Per Sft	
11	Providing and fixing 3/4" thick PVC Board shutter with one side leminate & 3/4" x 3/4" PVC beading over wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including catchers, lock, CP hanger rod with hooks,hydraulic hinges, on beading complete in all respects including hanger rod etc. as approved by the Engineer Incharge.	10500.00	Sft		Per Sft	
12	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	110000.00	Sft		Per Sft	
13	Providing & Laying pre-polished China verona marble slab 1" thick rendered with bevelled edges on counter trop set over 1/2" thick 1:3 cement sand mortor and expose joint fill with matching colour grout of wihite cement and colour pigment complete in all respects as shown in the drawing and or as directed by the engineer incharge	200.00	Sft		Per Sft	
14	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the engineer incharge (Down portion) Floor Mounted Cabinets (Shutters only)	500.00	Sft		Per Sft	
15	Providing & Fixing Cabnet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the Engineer Incharge Wall Hanging Cabinets	500.00	Sft		Per Sft	
16	Providing & Fixing Hydraulic door closer including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	50.00	No		Each	
17	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the	5000.00	Sft		Per Sft	

No.	Description	Quantity		Rate	Unit	Amount
	Engineer Incharge.					
18	2'-9" high stair railing comprising of 2-1/2" dia 16 gauge S.S pipe hand rail fixed with same dia pipe blusters as specified distance fixed at top of steps with expansion bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes horizontally fixed with blusters compelte in all respects	1500.00	Rft		Per Rft	
19	Providing and fixing Deodar Door Hardware comprising of Tower bolts 18" long, Brass Handle 12" long, Brass L-Daraz 18" long etc complete in all respect as approved by the Engineer Incharge.	3.00	Job		Per Job	
20	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement,handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	200.00	Sft		Per Sft	
21	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant (Poly-Sulphide) of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	500.00	Rft		Per Rft	
22	Providing and fixing of False Ceiling consisting of lamenated Gypsum Board (one side laminated) of size 600 mm x 600 mm x 7.5 mm over aluminium Tee's 1"x 1"size at 2'-0"x2'-0" center to center longitudinally and transversally & alminium angle of size 1" x 1" at corners/ ends, including all accessries such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as approved by the Engineer Incharge.	1000.00	Sft		Per Sft	
23	Providing & Fixing S.S pipe railing 2' high (For Gallery) comprising of 2.5" dia 16 SWG in corridor openings fixed with same dia pipe bluster at same distance with 2 No. 16 SWG 1/2" dia S.S pipe horizontally with accessories & fixing complete in all respect & as approved by the Engineer Incharg	1500.00	Rft		Per Rft	
24	Providing and fixing solid engineered door of teak wood (NTC FGV-307) with engineered stabilized center core with 3/4" solid edge banding including hinges, tower bolt rubber stop cleats handles and chord with hooks etc. complete in all respect or as per approval of the engineer incharge.	2500.00	Sft		Per Sft	
					Total	
	Plumbing work					
1	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	5500.00	Cft		%o Cft	
2	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels and removing surface water in all types of soil except shingle gravel and rock upto: i) 0 to 7 ft	8000.00	Cft		%oCft	
3	Providing & Fixing Brass gas cock 15mm 1/2" dia	30.00	No		Each	
4	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. i) upto 6" i/d (150 mm) ii) upto 8" i/d (200 mm)	1.00 1.00	Con. Con.		P/Con P/Con	
5	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	35.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
6	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality					
	a) ¾" i/d (20 mm)	350.00	Rft		P/Rft	
	b) 1" i/d (25 mm)	1000.00	Rft		P/Rft	
	c) 1½" i/d (40 mm)	500.00	Rft		P/Rft	
7	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe in trenches. complete in all respects PN-10 (SDR-17) i) 3" dia (90 mm)	500.00	Rft		P/Rft	
8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	4.00	No		Each	
					Total	
	Plumbing work (Non-Schedule)					
1	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters					
	i) 4" i/d	3000.00	Rft		Per Rft	
	ii) 6" i/d	1500.00	Rft		Per Rft	
	iii) 8" i/d	500.00	Rft		Per Rft	
2	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects.					
	i) 25mm o.d	3000.00	Rft		Per Rft	
	ii) 32mm o.d	4500.00	Rft		Per Rft	
	iii) 40mm o.d	1500.00	Rft		Per Rft	
	iv) 50mm o.d	500.00	Rft		Per Rft	
3	Providing & Fixing uPVC P-trap 4" dia of approved quality	150.00	No		Each	
4	Construction of collection chamber without grating complete in all respects as per drawing &/or as directed by the engineer	10.00	No		Each	
5	Providing & Fixing grating at site with angle iron frame 1.5"x1.5"x1/4" and 1" square bars @ 1" c/c complete in all respects according to the drawing and specifications as per direction by the engineer incharge.	10.00	No		Each	
6	Construction of square masnory manhole 2.50x2.50 ft. including cover & frame upto 5' depth	10.00	No		Each	
7	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.					
	i) 25 mm O.D	30.00	No		Each	
	ii) 32 mm O.D	30.00	No		Each	
	iii) 40 mm O.D	8.00	No		Each	
	iv) 50 mm O.D	2.00	No		Each	
8	Supply and installation of Gas geysers of following capacity , including ball valves on inlet and outlet connections complete in all respects. 14 SWG tank, 55 gallon	30.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
9	Providing & Fixing Looking Glass 5-mm thick best quality, complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	1000.00	Sft		P/Sft	
10	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	50.00	No		Each	
11	Providing and fitting chromium Muslim Shower best quality complete in all respcts as approved by the engineer incharge (HD-60 Porta or equivalent company)	35.00	No		Each	
12	Providing and fixing Coloured Glazed Earthen ware water closet European type Couple set including Flush Tank fixed with comode, hydraulic seat cover , sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	35.00	No		Each	
13	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respcts as approved by the engineer incharge (HD3T Porta or equivalent company)	35.00	No		Each	
14	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respcts as approved by the engineer incharge (HDD9 Porta or equivalent company)	35.00	No		Each	
15	Providing and fitting glazed earthen ware Counter basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respcts as approved by the engineer incharge	35.00	No		Each	
16	Providing and fitting Chromium plated Single lever Basin Mixer complete in all respcts as approved by the engineer incharge (Porta HDA0501M or equivalent company)	35.00	No		Each	
17	Providing and fitting Single Lever Bath Mixer (Porta HDA0563Y) or equivalent complete in all respects as approved by the engineer incharge	35.00	No		Each	
18	Providing and fitting Top Shower 6" dia (Porta HDDP2172) or equivalent complete in all respects as approved by the engineer incharge	35.00	No		Each	
19	Providing and fitting Wash Basin with Pedestal (Porta HD17) or equivalent complete in all respects as approved by the engineer incharge	5.00	No		Each	
20	Providing and fitting S.S Grip Bar (Porta HD95 456mm) or equivalent complete in all respects as approved by the engineer incharge	4.00	No		Each	
21	Providing and fitting Chromium Tee Stop Cock Porta HDJ817A or equivalent complete in all respects as approved by the engineer incharge	350.00	No		Each	
22	Providing and fitting Bath Mixer (Diverter for Muslim Shower) Porta D4911 Ocean or equivalent complete in all respects as approved by the engineer incharge	35.00	No		Each	
					Total	
	Electrical Work (Schedule)					
1	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-					
	50 mm i/d	5000.00	Rft		Per Rft	
	80 mm i/d	8000.00	Rft		Per Rft	

No.	Description	Quantity		Rate	Unit	Amount
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:					
	i) 7/1.63 mm (7/0.064")	4000.00	Rft		Per Rft	
	ii) 7/0.74 mm (7/0.029")	3000.00	Rft		Per Rft	
3	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- .					
	PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-					
i	7/1.63 mm (7/0.064")	3000.00	Rft		Per Rft	
	PVC insulated, PVC sheathed 4 core, 660/1100 volt grade cable armoured with G.I wire 16 SWG:-					
ii	19/1.83 mm (19/0.072")	1000.00	Rft		Per Rft	
					Total	
	Electrical Work (Non-Schedule)					
1	Wiring of light or fan point from switch board to the point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1000.00	No		Each	
2	Circuit wiring from MCBs board to gang switch board/multi light plug with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1100.00	No		Each	
3	Wiring of light or fan from point to point with 3-Nos of 1.5 mm ² (3/0.029") single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (3/4") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	150.00	No		Each	
4	Wiring of Multi/light plug from point to point with 3-Nos of 2.5 mm ² (7/0.029") single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 20mm (¾") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	120.00	No		Each	
5	Circuit wiring from MCBs board to Power Plug with 3-Nos of 6 mm ² (7/0.044") single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches in 25mm (1") PVC pipe i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	120.00	No		Each	
6	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	50.00	M		Per M	
7	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	60.00	M		Per M	
8	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	200.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
9	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	525.00	No		Each	
10	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	2.00	No		Each	
11	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widening of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	1.00	No		Each	
12	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	100.00	No		Each	
13	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal mounting frame i/c any accessories (i.e. screw. Rawl plug/rawl bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)	2.00	No		Each	
14	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	35.00	No		Each	
15	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	480.00	No		Each	
16	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	120.00	No		Each	
17	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	100.00	No		Each	
18	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	20.00	No		Each	
19	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	16.00	No		Each	
20	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	150.00	No		Each	
21	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	2.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
22	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 15"x21") including Incoming Main Molded Case Circuit Breaker of 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	6.00	No			
23	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 15"x21") including Incoming Main Molded Case Circuit Breaker of 50 Amps T-p (10KA) 1.00 No, Distribution Miniature Circuit Breaker of 10 Amps S-p (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	6.00	No		Each	
24	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00	No		Each	
25	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	60.00	No		Each	
26	Supply & installation of LED 2'x 2' Ceiling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 36S/865 PSU W60L60 GM G2 or Equivalent)	15.00	No		Each	
27	Supply & installation of 2' x 2' False Ceiling Fan 16" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	5.00	No		Each	
28	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bitu or equivalent)	250.00	No		Each	
29	Horizontal boring 4" dia underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	50.00	Rft		Per Rft	
					Total	
	External Work					
	Civil Work					
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	6000.00	Cft		%o Cft	0.00

No.	Description	Quantity		Rate	Unit	Amount
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	200.00	Cft		% Cft	0.00
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8 i) Ratio 1:6:12	350.00 3500.00	Cft Cft		% Cft % Cft	0.00 0.00
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	350.00	Cft		Per Cft	0.00
5	Spraying anti-termite liquid mixed with water in the ratio of 1:40	600.00	Sft		% Sft	0.00
6	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	850.00	Cft		% Cft	0.00
7	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 1.5" thick (40 mm)	300.00	Sft		% Sft	0.00
8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	500.00	Sft		% Sft	0.00
9	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside, lead upto 1/4 mile	1500.00 30000.00	Cft Cft		%o Cft %o Cft	0.00 0.00
10	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i)	250.00	Cft		% Cft	0.00
11	Pacca brick work in Cement, sand mortar:- Ratio 1:3 i) Ground Floor	100.00	Cft		% Cft	0.00
12	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b)	500.00	Sft		% Sft	0.00
13	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 60-Grade	200.00	Kg		% Kg	0.00
14	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix 1:2:4) using harrow sand Ground Floor	150	Cft		Per Cft	0.00
15	Supplying and filling sand under floor; or plugging in wells	400.00	Cft		% Cft	0.00
16	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	400.00	Cft		% Cft	0.00
17	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats i) upto 20' height	1000.00	Sft		% Sft	0.00
18	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	400.00	Sft		% Sft	0.00
19	Providing and fixing marble strip of any shade for dividing					

No.	Description	Quantity	Rate	Unit	Amount
	the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	400.00 Rft		Per Rft	0.00
20	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 'Ratio 1:5	200.00 Cft		% Cft	0.00
21	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	20000.00 Sft		P/Sft	0.00
				Total	0.00
	Civil Work (Non-Schedule)				
1	Construction of Pacca Boundary wall with Grill as per drawing including cost of necessary excavation 2.25' width and 3' feet deep P.C.C 1:6:12 6" thick in foundation Pacca Brick work 1:6 cement sand moater first step 18" x 6" and second step 1.12 x 6", 9" wide 3.50" thick DPC 1:2:4, 1.5" thick with butimen pacc brick work DPC to grill bottom level 1.5' height, outer side gutka and inner side cement plaster 1:5 and also including cost of making and erecting MS Grill consist of M.S angle iron 2" x 2" x 1/4" thick M.S Box pipe 1.5" x 1.5", 18 SWG M.S box pipe 3/4" x 3/4", 18 SWG M.S square 3/8" x 3/8" M.S sheet 2" x 1/4" embedded in R.C.C 1:2:4, 4.5" thick on top of boundary wall dual painted complete in all respect.	800.00 Sft		P/Sft	0.00
2	Making and fixing M.S Main gate size 17.5' x 8.5' consisting of 2' x 2' tiwn pillors using iron size 2" x 2" x 1/4" for vertical 2" x 2" x 1/4" for brace leaf frame 2" x 2" x 1/4" M.S Square bars 3/4" M.S flat 2" x 3/8" M.S Steel bar 1/2" dia, M.S sheet 16 SWG, arrows 3" x 1.5", gulli kabza 9" x 3" size, tower bolts 3/4" M.S flats 3" x 1/4" dully painted complete in all respect as approved by engineer incharge.	200.00 Sft		P/Sft	0.00
3	Providing and fixing truss M.S pipe (2"x1") 18 SWG for truss, and frame with M.S square pipe (1"x1") fixing of fiber glass sheet (3mm thick bund colour) at truss supporting by verticale G.I pipe 4" dia (Light Quality) fixing in PCC 1:2:4, 15"x15"x2'-6" i/c brick work & painting 3 coats as per design, drawing & pattern and as approved by the engineer incharge complete in all respect.	4000.00 Sft		P/Sft	0.00
				Total	0.00

The Islamia University of Bahawalpur

3

Construction of Mini Market at Baghdad-ul-Jadeed Campus

Civil Work

MRS Jul to Dec, 2020

No.	Description	Quantity	Rate	Unit	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	98000.00 Cft		%o Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	7000.00 Cft		% Cft	
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8 ii) Ratio 1:6:12	11500.00 Cft 15000.00 Cft		% Cft % Cft	
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	13650.00 Cft		Per Cft	
5	Spraying anti-termite liquid mixed with water in the ratio of 1:40	70800.00 Sft		% Sft	

No.	Description	Quantity	Rate	Unit	Amount
6	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	57200.00 Cft		% Cft	
7	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 1.5" thick (40 mm)	3900.00 Sft		% Sft	
8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:4 ½" thick (13 mm)	12000.00 Sft		% Sft	
9	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	8000.00 Sft		% Sft	
10	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside, lead upto 1/4 mile	12000.00 Cft 50000.00 Cft		%o Cft %o Cft	
11	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i)	32000.00 Cft		% Cft	
12	Pacca brick work in Cement, sand mortar:- Ratio 1:3 i) Ground Floor	2850.00 Cft		% Cft	
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	60000.00 Sft		% Sft	
14	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick	65000.00 Sft		% Sft	
15	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars i) Deformed Bar 60-Grade ii) Deformed Bar 40-Grade	65000.00 Kg 15000.00 Kg		% Kg % Kg	
16	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects using harrow sand i) Ground Floor Type B (nominal mix1:1½:3) ii) Ground Floor Type C (nominal mix1:2:4)	8000 Cft 18500 Cft		Per Cft Per Cft	
17	Supplying and filling sand under floor; or plugging in wells	5000.00 Cft		% Cft	
18	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	14500.00 Cft		% Cft	
19	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾")', all of 1.6mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge.	650.00 Sft		Per Sft	
20	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	1500.00 Kg		% Kg	
21	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	125000.00 Sft		% Sft	

No.	Description	Quantity	Rate	Unit	Amount
22	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	3000.00 Sft		% Sft	
23	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats, upto 20' height	55000.00 Sft		% Sft	
24	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	5000.00 Sft		% Sft	
25	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	30.00 No		Each	
26	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:- M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)	450.00 Sft		Per Sft	
27	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	5200.00 Rft		Per Rft	
28	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I.screw, 1.5 in (40 mm) long to cover construction joints vertically:- G.I. sheet, 18 SWG	100.00 Rft		Per Rft	
29	Providing and fixing 24 SWG G.I. sheet rolling shutter, consisting of steel frame of M.S. channel 2"x1¼"x1/8" (50x30x3 mm), angle iron 1½"x1½"x1/8" (40x40x3 mm), M.S. plate 1'x1'x1/8" (300x300x3 mm), G.I. pipe 1½" (37 mm) dia, springs 2' (600 mm) centre to centre, rollers, 24 SWG G.I. covering 1 ft. x 1 ft. (300x300 mm), handles, holdfast, and painting three coats, complete in all respects.	14500.00 Sft		Per Sft	
30	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 1.5" thick	49000.00 Sft		% Sft	
31	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.	49000.00 Sft		% Sft	
32	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	40.00 No		Each	
33	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	49000.00 Sft		Per Sft	
				Total	
	Civil Work (Non-Schedule)				
1	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2" ii) 6"x2-1/2"	450.00 Sft 400.00 Sft		Per Sft Per Sft	
2	Providing & Laying PVC water stopper complete in all respects	300.00 Rft		Per Rft	

No.	Description	Quantity		Rate	Unit	Amount
3	Providing & Laying pre-polished granite marble slab 3/4" thick of aproved quality colour, shade & texture for stair treads set over 3/4" thick 1:3 cement sand mortor in i/c rendering off 2 Nos non-skirdding grooves (3/4" wide & 1/4" deep) in each steps, rounding off front edges, complete in all respects as shown in the drawing and or as directed by the engineer incharge	2500.00	Sft		Per Sft	
4	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	52000.00	Sft		Per Sft	
5	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	4000.00	Sft		Per Sft	
6	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge (for Toilet Block)	12000.00	Sft		Per Sft	
7	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing & chemical Polishing, as approved by Engineering Incharge	1200.00	Sft		Per Sft	
8	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	950.00	Sft		Per Sft	
9	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	400.00	Sft		Per Sft	
10	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	125000.00	Sft		Per Sft	
11	Providing & Laying pre-polished China verona marble slab 1" thick rendered with bevelled edges on counter trop set over 1/2" thick 1:3 cement sand mortor and expose joint fill with matching colour grout of wihite cement and colour pigment complete in all respects as shown in the drawing and or as directed by the engineer incharge	450.00	Sft		Per Sft	
12	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the engineer incharge (Down portion) Floor Mounted Cabinets (Shutters only)	250.00	Sft		Per Sft	
13	Providing & Fixing Cabnet upper portion consisting of lamination board 3/4" thick box and leaves, Partal wood frame 3" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the Engineer Incharge Wall Hanging Cabinets	200.00	Sft		Per Sft	

No.	Description	Quantity	Rate	Unit	Amount
14	Providing, applying and filling expansion joint with 2"x ¾" thick elastomeric sealant (Poly-Sulphide) of approved manufacture over backing rod complete in all respect according to manufactures recommendations and to the entire satisfaction of the engineer incharge	500.00 Rft		Per Rft	
15	Providing & Fixing S.S pipe railing 2' high (For Gallery) comprising of 2.5" dia 16 SWG in corridor openings fixed with same dia pipe bluster at same distance with 2 No. 16 SWG 1/2" dia S.S pipe horizontally with accessories & fixing complete in all respect & as approved by the Engineer Incharge	2500.00 Rft		Per Rft	
16	Providing & Fixing Disco Roof Tile 11"x8" Red clay mud with glazing Pak tile product ID PCI 00126 complete in all respect as approved by Engineer Incharge.	1800.00 Sft		Per Sft	
				Total	
	Plumbing work				
1	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	5500.00 Cft		%o Cft	
2	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels and removing surface water in all types of soil except shingle gravel and rock upto: i) 0 to 7 ft	8000.00 Cft		%oCft	
3	Providing & Fixing Brass gas cock 15mm 1/2" dia	5.00 No		Each	
4	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. i) upto 6" i/d (150 mm)	1.00 Con.		P/Con	
5	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	20.00 No		Each	
6	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) ¾" i/d (20 mm) b) 1" i/d (25 mm) c) 1½" i/d (40 mm)	150.00 Rft 200.00 Rft 300.00 Rft		P/Rft P/Rft P/Rft	
7	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) i) 3" dia (90 mm)	500.00 Rft		P/Rft	
8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	2.00 No		Each	
				Total	
	Plumbing work (Non-Schedule)				
1	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d iii) 8" i/d	2000.00 Rft 600.00 Rft 1500.00 Rft		Per Rft Per Rft Per Rft	

No.	Description	Quantity		Rate	Unit	Amount
2	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects.					
	i) 25mm o.d	1500.00	Rft		Per Rft	
	ii) 32mm o.d	3000.00	Rft		Per Rft	
	iii) 40mm o.d	500.00	Rft		Per Rft	
	iv) 50mm o.d	500.00	Rft		Per Rft	
3	Providing & Fixing uPVC P-trap 4" dia of approved quality	20.00	No		Each	
4	Construction of collection chamber without grating complete in all respects as per drawing &/or as directed by the engineer	5.00	No		Each	
5	Providing & Fixing grating at site with angle iron frame 1.5"x1.5"x1/4" and 1" square bars @ 1" c/c complete in all respects according to the drawing and specifications as per direction by the engineer incharge.	5.00	No		Each	
6	Construction of square masonry manhole 2.50x2.50 ft. including cover & frame upto 5' depth	20.00	No		Each	
7	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters.					
	i) 25 mm O.D	6.00	No		Each	
	ii) 32 mm O.D	4.00	No		Each	
	iii) 40 mm O.D	2.00	No		Each	
	iv) 50 mm O.D	2.00	No		Each	
8	Providing & Fixing Looking Glass 5-mm thick best quality, complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	100.00	Sft		P/Sft	
9	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	20.00	No		Each	
10	Providing and fitting chromium Muslim Shower best quality complete in all respects as approved by the engineer incharge (HD-60 Porta or equivalent company)	20.00	No		Each	
11	Providing and fixing Coloured Glazed Earthen ware water closet European type Couple set including Flush Tank fixed with comode, hydraulic seat cover, sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	4.00	No		Each	
12	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respects as approved by the engineer incharge (HD3T Porta or equivalent company)	16.00	No		Each	
13	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respects as approved by the engineer incharge (HDD9 Porta or equivalent company)	16.00	No		Each	
14	Providing and fitting glazed earthen ware Counter basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respects as approved by the engineer incharge	8.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
15	Providing and fitting Chromium plated Single lever Basin Mixer complete in all respects as approved by the engineer incharge (Porta HDA0501M or equivalent company)	8.00	No		Each	
16	Providing and fitting Single Lever Bath Mixer (Porta HDA0563Y) or equivalent complete in all respects as approved by the engineer incharge	2.00	No		Each	
17	Providing and fitting Top Shower 6" dia (Porta HDDP2172) or equivalent complete in all respects as approved by the engineer incharge	2.00	No		Each	
18	Providing and fitting Wash Basin with Pedestal (Porta HD17) or equivalent complete in all respects as approved by the engineer incharge	2.00	No		Each	
19	Providing and fitting S.S Grip Bar (Porta HD95 456mm) or equivalent complete in all respects as approved by the engineer incharge	2.00	No		Each	
20	Providing and fitting Chromium Tee Stop Cock Porta HDJ817A or equivalent complete in all respects as approved by the engineer incharge	80.00	No		Each	
21	Providing and fitting Bath Mixer (Diverter for Muslim Shower) Porta D4911 Ocean or equivalent complete in all respects as approved by the engineer incharge	20.00	No		Each	
					Total	
	Electrical Work (Schedule)					
1	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-					
	50 mm i/d	2500.00	Rft		Per Rft	
	80 mm i/d	1500.00	Rft		Per Rft	
2	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials..					
	i) 3/4" i/d (20 mm)	4400.00	Rft		Per Rft	
	ii) 1" i/d (25 mm)	4600.00	Rft		Per Rft	
3	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:					
	i) 7/1.63 mm (7/0.064")	10000.00	Rft		Per Rft	
	ii) 7/0.74 mm (7/0.029")	13000.00	Rft		Per Rft	
	iii) 3/0.74 mm (3/0.029")	17500.00	Rft		Per Rft	
	iv) 7/0.91 mm (7/0.036")	12000.00	Rft		Per Rft	
4	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-					
	PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG.					
	i 19/1.63 mm (19/0.064")	500.00	Rft		Per Rft	
	ii 19/1.83 mm (19/0.072")	550.00	Rft		Per Rft	
5	Supply and erection of switches 5 Amp. Piano type	750.00	No		Each	
6	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc.					
	i) 10 x 10 cm (4"x4")	250.00	No		Each	
	ii) 17.5 x 10 cm (7"x4")	250.00	No		Each	
	iii) 22.5 x 10 cm (9"x4")	250.00	No		Each	
7	Supply and erection of 3 pin switch and plug combined, recessed type. 10/15 Amp	250.00	No		Each	
					Total	

No.	Description	Quantity		Rate	Unit	Amount
	Electrical Work (Non-Schedule)					
1	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	50.00	M		Per M	
2	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	60.00	M		Per M	
3	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	10.00	No		Each	
4	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	420.00	No		Each	
5	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal mounting frame i/c any accessories (i.e. screw. Rawl plug/rawl bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)	4.00	No		Each	
6	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	8.00	No		Each	
7	Supply, installation, connection & commissioning of distribution boards, (DBs) , Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 12"x15") including Incoming Mainature Circuit Breaker of 63 Amps 2-P (6KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 6.00 Nos, LED phase light volt meter type, Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	40.00	No		Each	
8	Supply, installation, connection & commissioning of Combined Main D.B & Energy Meter Panel recessed type wall mounted design, made of M.S. Sheet 16 SWG, 2 coats of Approved paint, (Size 2'x4') including Incoming Main Molded Case Circuit Breaker of 300 Amps T-p (10KA) 1.00 No, Static Energy Meter (PEL) 8 No. , LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	2.00	No		Each	
9	Supply, installation, connection & commissioning of Combined Main D.B & Energy Meter Panel recessed type wall mounted design, made of M.S. Sheet 16 SWG, 2 coats of Approved paint, (Size 2'x4') including Incoming Main Molded Case Circuit Breaker of 400 Amps T-p (10KA) 1.00 No, Static Energy Meter (PEL) 12 No. , LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	2.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
10	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	4.00	No		Each	
11	Supply & installation of Wall Light with 3 Watt LED Blub (Philips) (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	60.00	No		Each	
12	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	240.00	No		Each	
13	Supply, Installation and connection of LED Search light (100W, 240~, Day light) i/c PVC wire connector 16A and any accessories (i.e. screw. Rawl plug or steel nail, etc.) at site. Complete in all as approved by the Engineer incharge. (Philips-BVP 151 or equivalent).	24.00	No		Each	
14	Supply & Installation of Power Plug 30-A (porciline base) i/c all accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Bush, Hero or equivalent)	130.00	No		Each	
					Total	
	External Work					
	Civil Work					
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	6000.00	Cft		%o Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	600.00	Cft		% Cft	
3	Cement concrete brick or stone ballast 1 1/2 " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1:4:8 i) Ratio 1:6:12	550.00 22500.00	Cft Cft		% Cft % Cft	
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	350.00	Cft		Per Cft	
5	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:6	8500.00	Cft		% Cft	
6	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i)	60.00	Cft		% Cft	
7	Pacca brick work in Cement, sand mortar:- Ratio 1:3 i) Ground Floor	200.00	Cft		% Cft	
8	Cement plaster 1:4 upto 20' (6.00 m) height:- i) 1/2" (13 mm) thick (11/9-b)	1200.00	Sft		% Sft	
9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 40-Grade	200.00	Kg		% Kg	

No.	Description	Quantity		Rate	Unit	Amount
10	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix1:2:4) using harrow sand Ground Floor	150	Cft		Per Cft	
11	Supplying and filling sand under floor; or plugging in wells	400.00	Cft		% Cft	
12	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	400.00	Cft		% Cft	
13	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" thick	1400.00	Sft		% Sft	
14	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	1400.00	Rft		Per Rft	
15	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 'Ratio 1:5	1200.00	Cft		% Cft	
16	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	40000.00	Sft		P/Sft	
17	Earthwork in ordinary soil for embankments including ploughing and mixing with blade grade or disc harrow or other suitable equipment, and compaction by mechanical means at optimum moisture content and dressing to designed section, complete 90% maximum modified AASHO dry density.					
	i) Lead upto 100 ft.	200000.00	Cft		%o Cft	
	ii) Lead upto 1/4 mile	120000.00	Cft		%o Cft	
18	Earthwork excavation in ashes, sand and soft soil or silt clearance, undressed lead upto 50 ft (15 metre).	80000.00	Cft		%o Cft	
19	Compaction of earthwork with power road roller including ploughing, mixing, moistening earth to optimum moisture content in layers, etc. complete: 90% maximum modified AASHO dry density.	80000.00	Cft		%o Cft	
20	Providing and laying dry brick pavement/soling in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.	35000.00	Cft		% Cft	
21	Providing and laying road edging of 3" (75 mm) wide and 9" (225 mm) deep brick on end, complete in all respects.	8000.00	Rft		Per Rft	
22	Providing and laying base course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, i/c carriage of all materials to site of work.	48000.00	Cft		% Cft	
23	Providing surface treatment to roads, including supply of bitumen and bajri/crushed stone aggregate of approved quality, including cleaning of road surface, heating and spraying bitumen, spreading bajri and rolling with road roller (including its operation cost, fuel and hire charges,					

No.	Description	Quantity		Rate	Unit	Amount
	etc.) etc. complete i/c carriage of all materials to site of work. 1st coat:- 40 lbs. bitumen, and 5.5 Cft. bajri of nominal size 1" (25 'mm) per 100 sq. feet or 1.96 Kg bitumen and 0.16 cu.metre bajri per square metre. 2nd coat:- 25 lbs. bitumen, and 2.75 Cft. bajri of nominal size ½" '(13 mm) or 1.23 Kg bitumen and 0.076 cu. metre bajri per sq.metre. 3rd coat:- 14 lbs. bitumen, and 1.5 Cft. bajri of nominal size ¼" (6 mm) per 0.69 Kg bitumen and 0.04 cubic metre per sq. metre.	98000.00	Sft		% Sft	
					Total	
	Civil Work (Non-Schedule)					
1	Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons)	8000.00	Rft		Per Rft	
2	Providing and fixing truss M.S pipe (2"x1") 18 SWG for truss, and frame with M.S square pipe (1"x1") fixing of fiber glass sheet (3mm thick bund colour) at truss supporting by verticale G.I pipe 4" dia (Light Quality) fixing in PCC 1:2:4, 15"x15"x2'-6" i/c brick work & painting 3 coats as per design, drawing & pattern and as approved by the engineer incharge complete in all respect.	4000.00	Sft		P/Sft	
					Total	
	Electrical Work (Schedule)					
1	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:					
	i) 7/1.63 mm (7/0.064")	10000.00	Rft		Per Rft	
	ii) 7/0.74 mm (7/0.029")	13000.00	Rft		Per Rft	
2	Supply and erection of shackle insulator, medium size.	80.00	No		Each	
3	Supply and erection of all aluminum stranded hard drawn bare conductor, of size 7/3.099 mm (7/0.122").	10000.00	Rft		Per Rft	
4	Supply and erection of street light pole bracket 30 mm (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp.	14.00	No		Each	
5	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. double pole 60/65 Amp.	1.00	No		Each	
					Total	
	Electrical Work (Non-Schedule)					
1	Supply & Installation & commissioning of 200 KVA (11 KV/415V) 3-phase, 50 Hz step down Pad mounted / enclosed type distribution Transformer having connection group, DY-11 oil immersed natural cooled with off load tap changer +2.1/2 % - 5% and 7.5% (as per WAPDA standard/Approved) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent)	1.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
2	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00	No		Each	
3	Supply and installation of 120mm ² , Aluminum Alloy Parallel Groove Clamp complete with nut/bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	4.00	No		Each	
4	Manufacturing and erection of galvanized angle iron lattice steel structure LT pole of size 30'-8" long using high tensile steel angle 1 1/4"x1 1/4"x3/16" with MS angle iron and 1"x1"x1/8" and flat iron 2"x1/2" bracing, weighing 130±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	2.00	No		Each	
3	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1 1/4"x1 1/4"x3/16" with MS angle iron and 1"x1"x1/8" and flat iron 2"x1/2" bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	12.00	No		Each	
4	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	24.00	No		Each	
5	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	45.00	No		Each	
6	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00	No		Each	
7	Supply and installation of Double pole Plate Farm for 200KVA Transformer (Rs.Joist size 4"x8" with cross, welding, nut bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00	No		Each	
8	Supply & Installation of 11KV Disc Insulator i/c aluminum alloy Dead end clamp and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	12.00	No		Each	
9	Supply & erection of ACSR Dog (118.5 mm ²) Conductor (Aluminum Conductor Steel Reinforced) for overhead 11 KV Lines i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	7200.00	Rft		Per Rft	
10	Supply & Installation of Stay wire set i/c all accessories such as 'U' clamp, Rod & concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	8.00	No		Each	
11	Supply & installation of Die-Cast Aluminum LED Street light 36W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP390 LED 750/CW or Equivalent) with 3 year warranty.	14.00	No		Each	
					Total	

No.	Description	Quantity	Rate	Unit	Amount
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The Islamia University of Bahawalpur

4

Construction of Pavilion Building for Cricket Stadium at Baghdad-ul-Jadeed Campus

MRS Jul to Dec, 2020

No.	Description	Quantity	Rate	Unit	Amount
	Civil Work				
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	16000.00 Cft		%o Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	1700.00 Cft		% Cft	
3	Reinforced cement concrete in slab of rafts /strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	3500.00 Cft		Per Cft	
4	Spraying anti-termite liquid mixed with water in the ratio of 1:40	5000.00 Sft		% Sft	
5	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:5	4750.00 Cft		% Cft	
6	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside, lead upto 600 ft (180 m) (3/15-ii) + 3/16-i x10	10500.00 Cft 22500.00 Cft		%o Cft %o Cft	
7	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor (7/5-i) + (7/6-i) ii) Second Floor	6500.00 Cft 6450.00 Cft 500.00 Cft		% Cft % Cft % Cft	
8	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor ii) First Floor	200.00 Cft 200.00 Cft		% Cft % Cft	
9	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	8600.00 Sft		% Sft	
10	Cement plaster 1:4 upto 20' (6.00 m) height:- i) 1/2" (13 mm) thick (11/9-b) ii) 3/4" (20 mm) thick iii) 3/4" (20 mm) thick 20' to 30' height	13500.00 Sft 8500.00 Sft 2500.00 Sft		% Sft % Sft % Sft	
11	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	17000.00 Sft		Per Sft	
12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars ii) Deformed Bar 60-Grade	20500.00 Kg		% Kg	
13	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix 1:1½:3) using harrow sand i) Ground Floor (6/6(a-i)2 ii) First Floor (6/6(a-i)2+6/6-d)	2950.00 Cft 2875.00 Cft		Per Cft Per Cft	
14	Supplying and filling sand under floor; or plugging in wells	2850.00 Cft		% Cft	
15	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	2850.00 Cft		% Cft	

No.	Description	Quantity		Rate	Unit	Amount
16	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, cell structure closed cell) i/c cutting and placing in position complete in all respect 1.50" thick	4500.00	Sft		% Sft	
17	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. Second Floor (add 6%)	4500.00	Sft		% Sft	
18	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	32.00	Sft		Per Sft	
19	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using deluxe section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide all of 2 mm thickness sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" wide long handles etc., and hardware any required as approved by the engineer incharge	160.00	Sft		Per Sft	
20	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect 1.6 mm thick	2000.00	Sft		Per Sft	
21	Extra labour for each storey above ground, for mosaic, conglomerate, tiles, stone and wooden floor.	4500.00	Sft		% Sft	
22	Fabrication of heavy steel work , with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, reworking, handling, assembling and fixing, including erection in position. (for Safety grill)	5000.00	Kg		% Kg	
23	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	200.00	Sft		% Sft	
24	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	2000.00	Sft		% Sft	
25	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: New surface 2 coats i) upto 20' height ii) 20' to 30 height	6000.00 3350.00	Sft Sft		% Sft % Sft	
26	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	1550.00	Sft		% Sft	
27	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	20.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
28	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	350.00	Rft		Per Rft	
29	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	4.00	No		Each	
30	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	8500.00	Sft		Per Sft	
31	Bitumen coating to plastered or cement concrete surface:- 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	1500.00	Sft		% Sft	
32	Providing and fixing collapsible gate made of 2"x2"x¼" (50x50x6 mm) tee iron at top and bottom, channel iron 'verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, 'handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	80.00	Sft		Per Sft	
33	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4:8	1450.00	Cft		% Cft	
34	Providing and fixing ornamental wooden architrave 3"x(1½" tapered to ¼") all along the door frame complete in all respect. Teak wood architrave	500.00	Sft		Per Sft	
35	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4: 8	2500.00	Cft		% Cft	
	Civil Work (Non-Schedule)				Total	
1	Providing, Fabricating and fixing 16 SWG M.S sheet Hollow Pressed Jamb Frame (Factory primmed) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2" ii) 6"x2-1/2"	1000.00 500.00	Sft Sft		Per Sft Per Sft	
2	Providing & Laying PVC Water Stopper complete in all respects	100.00	Rft		Per Rft	
3	Providing & Fixing Fair Face Brick Guttka 9"x3"x2.25" (straight or on edges) joint in 1:3 cement surkhi over 3/4" thick (AVG) 1:4 C/S base mortor on wall including laying ornamental bricks in approved pattern, scaffolding & during at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	2500.00	Sft		Per Sft	
4	Providing & Laying pre-polished black Granite marble slab 3/4" thick of aproved quality colour, shade & texture for stair treads set over 3/4" thick 1:3 cement sand mortar in i/c rendering off 2 Nos non-skirdding grooves (3/4" wide & 1/4" deep) in each steps, rounding off front edges, complete in all respects as approved by the Engineer incharg	300.00	Sft		Per Sft	
5	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color) class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering inch.	7220.00	Sft		Per Sft	
6	Providing and laying Porcelian Tile 9"x26"x3/8" laid in wihte cement & matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement i/c cutting charges complete in all respect as approved & directed by the engineer in charge. (Master 51SF MPD757 Multi or Equivalent)	1280.00	Sft		Per Sft	

No.	Description	Quantity		Rate	Unit	Amount
7	Providing and laying Porcelian Dado Tile 9"x26"x3/8" laid in white cement & matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement i/c cutting charges complete in all respect as approved & directed by the engineer in charge. (Master 51SF MPD757 Multi or Equivalent)	4020.00	Sft		Per Sft	
8	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortar 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortar 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	500.00	Sft		Per Sft	
9	Providing and fixing 1½" (40mm) thick uPVC flush Door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	260.00	Sft		Per Sft	
10	Providing & Laying pre-polished China Verona Marble Slab 1" thick rendered with bevelled edges on counter top set over 1/2" thick 1:3 cement sand mortar and expose joint fill with matching colour grout of white cement and colour pigment complete in all respects as shown in the drawing and or as directed by the engineer incharge	50.00	Sft		Per Sft	
11	Providing & Fixing following cabinets comprising of 3/4" thick on both sides lamination board laminated shutter, sides, top, bottom, back & shelves i/c best quality hardware, deodar wood lipping (1/2"x3/4") and polishing wherever specified complete as shown in the drawings & directed by the engineer i) Floor Mounted Cabinets (Shutters only) ii) Wall Hanging Cabinets	100.00 50.00	Sft Sft		Per Sft Per Sft	
12	Providing & Fixing Hydraulic Door Closer Japan Made or approved equivalent as approved by the engineer incharge	10.00	No		Each	
13	2'-9" high Stair Railing comprising of 2-1/2" dia 16 gauge S.S pipe hand rail fixed with same dia pipe blusters as specified distance fixed at top of steps with expansion bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes horizontally fixed with blusters complete in all respects	100.00	Rft		Per Rft	
14	Providing & Fixing S.S pipe railing 2' high (For Gallery) comprising of 2.5" dia 16 SWG in corridor openings fixed with same dia pipe bluster at same distance with 2 No. 16 SWG 1/2" dia S.S pipe horizontally with accessories & fixing complete in all respect & as approved by the Engineer Incharge	215.00	Rft		Per Rft	
15	Providing and fixing Steel Door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement, handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	64.00	Sft		Per Sft	
16	Supply, fabrication and erection/ installation of fully Glazed Curtain Wall comprising of tempered glass 12 mm th. approved quality/ make imported glass, fixing with approved size and shade aluminum section (powder coated / anodized), including all necessary fittings, sealant, openable doors with locking arrangement etc i/c tear resistant safety film (125 micron) of approved pattern on glass, complete with all accessories & complete installation.	1100.00	Sft		Per Sft	
17	Providing and laying Floor/Dado Tile 24"x24" with dry/wet/venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by the engineer incharge	100.00	Sft		Per Sft	

No.	Description	Quantity		Rate	Unit	Amount
18	Providing and fixing solid engineered door of teak wood (NTC FGV-307) with engineered stabilized center core with 3/4" solid edge banding including hinges, tower bolt rubber stop cleats handles and chord with hooks etc. complete in all respect or as per approval of the engineer incharge.	850.00	Sft		Per Sft	
19	Providing and fixing of False Ceiling consisting of laminated Gypsum Board (one side laminated) of size 600 mm x 600 mm x 7.5 mm over aluminium Tee's 1"x 1" size at 2'-0"x2'-0" center to center longitudinally and transversally & aluminium angle of size 1" x 1" at corners/ ends, including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as approved by the Engineer Incharge.	8500.00	Sft		Per Sft	
20	Providing & fixing Door Handle Lock of good quality, complete in all respect as per approval of Engineer/ Incharge. (RW-46 MSN Royalwand or Equivalent)	30.00	Sft		Per Sft	
21	Preparing and Applying Plastic Emulsion (ICI DULUX PENTALITE) Smooth Matt Finish (3-Coats) over ICI Paintex Sheesha Putty Filling on a clean plastered surface including rubbing and paper sanding, Complete in all respect and as approved by Engineer Incharge	22500.00	Sft		Per Sft	
22	Polishing of doors with surface preparation inclusive sanding and applying ICI wood Lacquer over the prepared base followed by the seal coat complete in all respect as approved by Engineer Incharge.	1750.00	Sft		Per Sft	
					Total	
	Plumbing work					
1	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	1500.00	Cft		%o Cft	
2	Earthwork excavation in open cutting for sewers and manholes as shown in drawings i/c shuttering and timbering, dressing to correct section and dimensions according to templates and levels and removing surface water in all types of soil except shingle gravel and rock upto: i) 0 to 7 ft	1000.00	Cft		%oCft	
3	Providing & Fixing Brass gas cock 15mm 1/2" dia	2.00	No		Each	
4	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. i) upto 6" i/d (150 mm)	1.00	Con.		P/Con	
5	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	2.00	No		Each	
6	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) ¾" i/d (20 mm) b) 1" i/d (25 mm)	200.00 100.00	Rft Rft		P/Rft P/Rft	
7	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe in trenches. complete in all respects PN-10 (SDR-17) i) 3" dia (90 mm)	250.00	Rft		P/Rft	
8	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	1.00	No		Each	
					Total	

No.	Description	Quantity		Rate	Unit	Amount
	Plumbing work (Non-Schedule)					
1	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d	400.00 250.00	Rft Rft		Per Rft Per Rft	
2	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended form roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d ii) 32mm o.d iii) 40mm o.d	400.00 350.00 300.00	Rft Rft Rft		Per Rft Per Rft Per Rft	
3	Providing & Fixing uPVC P-trap 4" dia of approved quality	50.00	No		Each	
4	Construction of collection chamber without grating complete in all respcts as per drawing &/or as directed by the engineer	4.00	No		Each	
5	Providing & Fixing grating at site with angle iron frame 1.5"x1.5"x1/4" and 1" square bars @ 1" c/c compele in all respects according to the drawing and specifications as per direction by the engineer incharge.	4.00	No		Each	
6	Construction of square masnory manhole 2.50x2.50 ft. including cover & frame upto 5' depth	3.00	No		Each	
7	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. i) 25 mm O.D ii) 32 mm O.D iii) 40 mm O.D	4.00 4.00 2.00	No No No		Each Each Each	
8	Supply and installation of Gas geysers of following capacity , including ball valves on inlet and outlet connections complete in all respects. 14 SWG tank, 55 gallon	4.00	No		Each	
9	Providing & Fixing Looking Glass 5-mm thick best quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	240.00	Sft		P/Sft	
10	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	20.00	No		Each	
11	Providing & Fixing Gas regulator Peable best qulaity complete in all respects as approved by the engineer incharge	1.00	No		Each	
12	Providing & Fixing Gas Service Valve 3/4" dia best qulaity complete in all respects as approved by the engineer incharge 3/4" dia	1.00	No		Each	
13	Providing and fitting chromium Muslim Shower best quality complete in all respcts as approved by the engineer incharge (HD-60 Porta or equivalent company)	16.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
14	Providing and fixing Coloured Glazed Earthen ware water closet European type Couple set including Flush Tank fixed with comode, hydraulic seat cover, sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	4.00	No		Each	
15	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respects as approved by the engineer incharge (HD3T Porta or equivalent company)	12.00	No		Each	
16	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respects as approved by the engineer incharge (HDD9 Porta or equivalent company)	12.00	No		Each	
17	Providing and fitting glazed earthen ware Counter basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respects as approved by the engineer incharge	20.00	No		Each	
18	Providing and fitting Chromium plated Single lever Basin Mixer complete in all respects as approved by the engineer incharge (Porta HDA0501M or equivalent company)	20.00	No		Each	
19	Providing and fitting Single Lever Bath Mixer (Porta HDA0563Y) or equivalent complete in all respects as approved by the engineer incharge	4.00	No		Each	
20	Providing and fitting Top Shower 6" dia (Porta HDDP2172) or equivalent complete in all respects as approved by the engineer incharge	4.00	No		Each	
21	Providing and fitting Wash Basin with Pedestal (Porta HD17) or equivalent complete in all respects as approved by the engineer incharge	1.00	No		Each	
22	Providing and fitting Chromium Tee Stop Cock Porta HDJ817A or equivalent complete in all respects as approved by the engineer incharge	50.00	No		Each	
23	Providing and fitting Bath Mixer (Diverter for Muslim Shower) Porta D4911 Ocean or equivalent complete in all respects as approved by the engineer incharge	6.00	No		Each	
24	Providing & Fixing of Vent Cowl 110mm make of approved quality complete in all respects	4.00	No		Each	
					Total	
	Electrical Work (Schedule)					
1	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-					
	50 mm i/d	250.00	Rft		Per Rft	
	80 mm i/d	130.00	Rft		Per Rft	
2	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					
	20 mm i/d	1800.00	Rft		Per Rft	
	32 mm i/d	1650.00	Rft		Per Rft	
3	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:					
	i) 3/0.74 mm (3/0.029")	7500.00	Rft		Per Rft	
	ii) 7/0.74 mm (7/0.029")	6000.00	Rft		Per Rft	
	iii) 7/1.12 mm (7/0.044")	4500.00	Rft		Per Rft	
	iv) 7/1.63 mm (7/0.064")	500.00	Rft		Per Rft	
					Total	

No.	Description	Quantity		Rate	Unit	Amount
	Electrical Work (Non-Schedule)					
1	Supply & installation of LED 2'x 2' Ceilling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 36S/865 PSU W60L60 GM G2 or Equivalent)	120.00	No		Each	
2	Supply & installation of 2' x 2' False Ceiling Fan 16" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	42.00	No		Each	
3	Supply, installation, connection & commissioning of Main distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 200 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No		Each	
4	Supply, installation, connection & commissioning of Sub Main distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 18"x24") including Incoming Main Molded Case Circuit Breaker of 125 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No		Each	
5	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	30.00	M		Per M	
6	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	40.00	M		Per M	
7	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	50.00	No		Each	
8	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	8.00	No		Each	
9	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	2.00	No		Each	
10	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widening of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	4.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
11	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	6.00	No		Each	
12	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal mounting frame i/c any accessories (i.e. screw. Rawl plug/rawl bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)	2.00	No		Each	
13	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	13.00	No		Each	
14	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	102.00	No		Each	
15	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	36.00	No		Each	
16	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	6.00	No		Each	
17	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	6.00	No		Each	
18	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	6.00	No		Each	
19	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	16.00	No		Each	
20	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	2.00	No		Each	
21	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1¼" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00	No		Each	
22	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	8.00	No		Each	
					Total	
1	External Civil Work Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	16000.00	Cft		%o Cft	

No.	Description	Quantity		Rate	Unit	Amount
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 6:12	12500.00	Cft		% Cft	
3	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	25000.00	Sft		P/Sft	
4	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	38500.00	Cft		%o Cft	
5	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	8500.00	Cft		% Cft	
6	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	850.00	Cft		% Cft	
7	Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:6	6500.00	Cft		% Cft	
8	Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick	6000.00	Sft		% Sft	
9	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 12" i/d	2000.00	Rft		Per Rft	
10	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	25.00	No		Each	
11	Rehandling of earthwork: Lead upto a single throw of Kassi, phaorah or shovel	38500.00	Cft		%o Cft	
12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	3250.00	Sft		% Sft	
13	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	3250.00	Sft		Per Sft	
14	Providing and laying road edging of 3" (75 mm) wide and 9" (225 mm) deep brick on end, complete in all respects.	4120.00	Rft		Per Rft	
15	Providing and laying dry brick pavement/soling in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.	24700.00	Sft		% Sft	
16	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	32500.00	Kg		% Kg	
17	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	700.00	Cft		% Cft	
					Total	

No.	Description	Quantity		Rate	Unit	Amount
	External Electrical Work					
1	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	9000.00	Cft		%o Cft	
2	Filling, watering and ramming earth under floors:- with surplus earth from foundation, etc.	9000.00	Cft		%o Cft	
3	Dry brick pitching	450.00	Cft		% Cft	
4	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- .					
	PVC insulated, PVC sheathed 4-core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG.					
	19/1.83 mm (19/0.072")	500.00	Rft		Per Rft	
					Total	
	External Electrical Work (Non-Schedule)					
1	Supply & Installation & commissioning of 200 KVA (11 KV/415V) 3-phase, 50 Hz step down Pole mounted / enclosed type distribution Transformer having connection group, DY-11 oil immersed natural cooled with off load tap changer +2.1/2 % - 5% and 7.5% (as per WAPDA standard) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent)	1.00	No		Each	
2	Supply and installation of 120mm ² , Aluminum Alloy Parallel Groove Clamp complete with nut/bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	8.00	No		Each	
3	Manufacturing and erection of galvanized angle iron lattice steel structure LT pole of size 30'-8" long using high tensile steel angle 1¼"x1¼"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x¼"bracing, weighing 130±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1.00	No		Each	
4	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1¼"x1¼"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x½"bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	3.00	No		Each	
5	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	7.00	No		Each	
6	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	9.00	No		Each	
7	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00	No		Each	
8	Supply and installation of Double pole Platform for 200KVA Transformer (Rs.Joist size 4"x8" with cross, welding, nut bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	1.00	No		Each	
9	Supply & Installation of 11KV Disc Insulator i/c aluminum alloy Dead end clamp and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	6.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
10	Supply & erection of ACSR Dog (118.5 mm ²) Conductor (Aluminum Conductor Steel Reinforced) for overhead 11 KV Lines i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	1100.00	Rft		Per Rft	
11	Supply & Installation of Stay wire set i/c all accessories such as 'U' clamp, Rod & concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	2.00	No		Each	
12	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos. bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00	No		Each	
					Total	

The Islamia University of Bahawalpur

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Construction of Cafeteria for Department of Management Sciences at Baghdad-ul-Jadeed Campus

MRS Jul to Dec, 2020						
No.	Description	Quantity		Rate	Unit	Amount
	Civil Work					
1	Earthwork excavation underessed lead upto a single throw of Kassi, phaorah or shovel, Transportation of earth all types when the total distance,including the lead covered in the item of work,is more than 1000 ft.(300 m) upto ¼ mile (400 m).	112000.00	Cft		%o Cft	
2	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.	27429.00	Cft		%o Cft	
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (b) Ratio 1: 4: 8	1811.00	Cft		% Cft	
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type B (nominal mix 1: 1.5: 3)	4647.00	Cft		P/Cft	
5	Pacca brick work in foundation & plinth ratio 1:5	6575.00	Cft		% Cft	
6	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating:- (a) with one coat bitumen and one coat polythene sheet 500 gauge. 2" thick	1928.00	Sft		% Sft	
7	Providing and laying vertical damp proof course with cement sand plaster & one coat, bitumen & polythene:- Ratio 1:3 ¾ " thick	1928.00	Sft		% Sft	
8	Pacca brick work :- Ratio 1:5 i) Ground Floor ii) First Floor iii) 2nd Floor	9112.00 9249.00 2127.00	Cft Cft Cft		% Cft % Cft % Cft	

No.	Description	Quantity	Rate	Unit	Amount
9	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: Type-B (nominal mix 1: 1.5: 3)				
	i) Ground Floor	6822.00 Cft		P/Cft	
	ii) First Floor	5016.00 Cft		P/Cft	
	iii) 2nd Floor	434.00 Cft		P/Cft	
10	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars 60-Grade	51803.00 Kg		% Kg	
11	Spraying anti-termite liquid mixed with water in the ratio of 1:40	5712.00 Sft		% Sft	
12	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	5712.00 Cft		%o Cft	
13	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, Ratio 1:3 i) upto 20' height ii) Above to 20' height	5014.00 Sft 4958.00 Sft		% Sft % Sft	
14	Cement plaster 1:5 upto 20' (6.00 mm) height:- i) 1/2" (13 mm) thick ii) 3/4" (20 mm) thick iii) Above 20' height (3/4" (20 mm) thick)	1000.00 Sft 12073.00 Sft 14500.00 Sft		% Sft % Sft % Sft	
15	First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze, 12x12 meshes per square inches (5x5 per cm ²) including iron fittings etc. complete:- Deodar wood framing 1 1/2" (40 mm) thick, with wire gauze fixed in position:- with springs or spring hinges.	74.00 Sft		P/Sft	
16	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect 2 mm thick	1368.00 Sft		Per Sft	
17	Supplying and filling sand under floor; or plugging in wells.	1624.00 Cft		% Cft	
18	Dry rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50 mm) gauge.	2714.00 Cft		% Cft	
19	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	870.00 Kg		% Kg	
20	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. Size 1 1/2" x 3/8" (40 x 10 mm)	1000.00 Rft		P/Rft	

No.	Description	Quantity		Rate	Unit	Amount
20	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:- 1.5" thick	10637.00	Sft		% Sft	
21	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded.	4612.00	Sft		% Sft	
22	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water obsorbtion (1% by volume, cell structure clored cell) i/c cutting and placing in position complete in all respect 1.50" thick	4612.00	Sft		% Sft	
23	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:- M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)	431.00	Sft		P/Sft	
24	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted 'glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved 'standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	466.00	Sft		P/Sft	
25	Painting doors and windows, any type: New surface 3 coats	532.00	Sft		% Sft	
26	Preparing surface and painting with emulsion paint:- new surface 3 coats	25000.00	Sft		% Sft	
27	Providing & applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect: New surface 2 coats	4246.00	Sft		% Sft	
28	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	8.00	No		Each	
29	Bottom Khuras of brick masonry in cement mortar 1:6,4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.	8.00	No		Each	
30	Providing and fixing collapsible gate made of 2"x2"x¼" (50x50x6 mm) tee iron at top and bottom, channel iron 'verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, 'handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	195.00	Sft		Per Sft	
					Total	

No.	Description	Quantity		Rate	Unit	Amount
	External Work					
1	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	6800.00	Cft		%oCft	
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (b) Ratio 1: 4: 8	5610.00	Cft		% Cft	
3	Supplying and filling sand under floor; or plugging in wells.	5280.00	Cft		% Cft	
4	Pacca brick work in foundation & plinth i) Ratio 1:5 ii) Ratio 1:3	1272.00 825.00	Cft Cft		% Cft % Cft	
	Cement plaster 1:3 upto 20' (6.00 mm) height:- ¾" (20 mm) thick	3100.00	Sft		% Sft	
5	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars 60-Grade	500.00	Kg		% Kg	
6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: Type-C (nominal mix 1: 2: 4)	152.00	Cft		P/Cft	
7	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 310 mm (12") i/d	500.00	Rft		P/Rft	
8	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	10.00	No		Each	
9	Providing & Laying Tuff pavers having 7000 PSI crushing strength of approved manufacturer over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to required slope. Complete in all respects 50% grey / 50% coloured 60mm thick	16000.00	Sft		Per Sft	
					Total	
	Civil Work (Non-Schedule)					
1	Providing, fabricating and fixing 16 SWG M.S. Sheet hollow pressed jamb frame (factory primmed) for doors welded with M.S. flat size 10"x1"x½", hold fasts i/c welding/ screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete, enamel painting etc. complete in all respects as shown on the drawings and/ or as directed by the Engineer. i) (14.50"x2.50" Size) ii) (6"x2.50" Size)	263.00 168.00	Sft Sft		Per Sft Per Sft	

No.	Description	Quantity	Rate	Unit	Amount
2	Providing & Laying pre-polished granite marble slab 3/4" thick of aproved quality colour, shade & texture for stair treads set over 3/4" thick 1:3 cement sand mortor in i/c rendering off 2 Nos non-skirddding grooves (3/4" wide & 1/4" deep) in each steps, rounding off front edges, complete in all respects as shown in the drawing and or as directed by the engineer incharge	2068.00	Sft	Per Sft	
3	Providing and laying Floor Tile 24"x24" Granite with dry/wet/venied application, DWV series Polished (Dark color)class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge	9006.00	Sft	Per Sft	
4	Providing and laying Dado Tile 24"x4" Granite with dry/wet/venied application, DWV series Polished (Dark color)class SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge	3264.00	Sft	Per Sft	
5	Providing and fixing of 12 mm thick glass door with Aluminum Strip, handle, machine for closing and opening the door in working condition door. including all accessories and hardware etc Completed in all respect as approved by Engineer Incharge.	280.00	Sft	Per Sft	
6	Providing and fixing Stainless steel pipe stair railing comprising of 3" dia steel pipe 19 SWG top rail 2" dia steel pipe for vertical post 2'-9" high, 4 Nos horizontal steel pipe 1/2" dia fixed on the step with 2.50" long Steel scerw and Rawal Plug i/c fixing carriage and polishing complete in all respect as per darwings, specification and as approved by the Engineer Incharge.	102.00	Sft	Per Sft	
7	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement,handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	28.00	Sft	Per Sft	
8	Providing and fixing fair face brick guttka 9"x3"x2 1/4" (straight or on edge) jointed in 1:3 cement: surkhi over 3/4" thick (avg.) 1:4 C/S base mortar on walls in approved pattern, scaffolding and curing at any height, complete in all respect as shown on the drawings or as directed by the Engineer.	10859.00	Sft	Per Sft	
9	M.S Steel Grill for windows comprising of 1/2" x 1/2" square bar were 1" x 1/8" M.S Flat frame including painting complete in all respect as shown on the drawings,specification and/ or as directed by the Engineer.	2052.00	Sft	Per Sft	
10	Supply, farbication and erection/ installation of fully glazed curtain wall comprising of tempered 12mm thick approved quality/ make important glass, fixing with approved size and shade aluminum section (powder coated / anodized), including tear resistant saftey film (125 micorn) of approved pattern on glass, complete with all accessories to complete the installation.	605.00	Sft	Per Sft	

No.	Description	Quantity		Rate	Unit	Amount
11	Providing and fixing Tower bolts 18" long, Handle,including screws etc complete in all respect as approved by the Engineer Incharge.	22.00	No		Each	
12	Providing and fixing Handle (8") (Heavy Duty) for deador wood door as approved by Engineer Incharge	33.00	No		Each	
13	Providing and fixing sliding bolt to door Brass sliding bolt 15" & 5/8" thick as approved by Engineer Incharge	11.00	No		Each	
14	Providing & Fixing false ceiling of Gypsuim 9mm thick including all accessories, network & hardware etc complete in all respects as per approved design and sample and as directed by the engineer incharge.	8116.00	Sft		Per Sft	
					Total	
	Plumbing Work					
1	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc complete in all respects.	1600.00	Cft		%o Cft	
2	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. coloured, with pedestal	12.00	No		Each	
3	Providing and fitting:-					
i	plastic soap dish	4.00	No		Each	
ii	plastic towel rail	10.00	No		Each	
iii	Toilet paper holder	8.00	No		Each	
iv	plastic shelf 60x13 cm (24"x5") with bracket and railing.	12.00	No		Each	
4	Providing and fixing chromium plated tee stop cock '15mm (½").	30.00	No		Each	
5	Providing and fitting "P" trap:- 10 cm (4") glazed.	16.00	No		Each	
6	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.- coloured	8.00	No		Each	
7	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Coloured	8.00	No		Each	
8	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	10.00	No		Each	
9	Providing and fixing, brass gas cock:-					
i)	15 mm (½") dia	6.00	No		Each	
ii)	3/4" dia	5.00	No		Each	
10	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	12.00	No		Each	
11	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. 'pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium Quality					
i)	'1" i/d (25 mm)	200.00	Rft		Per Rft	
ii)	'¾" i/d (20 mm)	100.00	Rft		Per Rft	
iii)	'½" i/d (15 mm)	200.00	Rft		Per Rft	
12	Providing and fixing chromium plated pillar-cock, heavy:- 1.5 cm (½")	12.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
	Plumbing Work (Non-Schedule)				Total	
1	Providing and fixing and testing uPVC plain ends socketed pipes type-B soil waste, vent & rain water as per approved make and quality including uPVC fittings with solvent cement jointing or rubbering joints complete in all respects including clamps, tee etc complete in all respect as approved by the engineer incharge 4" i/d					
	i) uPVC 3" dia	200.00	Rft		Per Rft	
	ii) uPVC 4" dia	400.00	Rft		Per Rft	
	iii) uPVC 8" dia	400.00	Rft		Per Rft	
2	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe line for hot & cold water supply complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adoptors to conect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site. complete in all respect as approved by the engineer incharge.					
	i) 25 mm	600.00	Rft		Per Rft	
	ii) 32 mm	500.00	Rft		Per Rft	
3	Providing and fixing Plastic Jali floor jali best quality complete in all respect as approved by the engineer incharge					
		30.00	No		Each	
4	Providing & Fixing Muslim shower with double bib cock with flexibe pipe complete in all respect as approved by the Engineer Incharge. (Dilawar or equivalent)					
		4.00	No		Each	
5	Providing & Fixing Gate valve of PPRC best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.					
	i) 25 mm	2.00	No		Each	
	ii) 32 mm	2.00	No		Each	
6	Providing and fixing Coloured Glazed Earthen ware water closet Europen type Couple set including Flush Tank fixed with comode, hydraulic seat cover, sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)					
		4.00	No		Each	
7	Providing and fixing counter basin i/c waste pipe, waste coupline, complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.					
		12.00	No		Each	
8	Providing & Fixing Looking Glass 5-mm thick best quality,complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.					
		48.00	Sft		Per Sft	
9	Providing and fixing stainless steel Double bowl sink 17"x31" size best quality i/c waste pipe & waste coupling etc. Complete in all respect and approved by Engineering Incharge. (Suprim or equivalent)					
		2.00	No		Each	
					Total	
	Electric Work (Schedule Items)					
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries,and repairing surface, etc., complete with all specials.					
	i) 20 mm i/d	1500.00	Rft		Per Rft	
	ii) 25 mm i/d	1000.00	Rft		Per Rft	

No.	Description	Quantity		Rate	Unit	Amount
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/ M.S conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated: i) 3/0.74 mm (3/0.029") ii) (7/0.029") iii) 7/1.12 mm (7/0.044")	2500.00	Rft		Per Rft	
		1500.00	Rft		Per Rft	
		1500.00	Rft		Per Rft	
3	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 19/1.32 mm (19/0.052")	400.00	Rft		Per Rft	
4	Supply and erection of ceiling rose, bakelite.	50.00	No		Each	
					Total	
	Electric Work (Non-Schedule)					
1	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	60.00	No		Each	
2	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Royal, Pakfan or Equivalent)	8.00	No		Each	
3	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	20.00	No		Each	
4	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 24"x18") including Incoming Main Molded Case Circuit Breaker of 125 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No		Each	
5	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. complete as approved by the engineer incharge.	2.00	No		Each	
6	Supply & installation of LED Ceiling Light (2'x2' size) 36-Watt i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (RC091V LED/865 Philips or Equivalent)	10.00	No		Each	
7	Supply & installation of 2' x 2' False Ceiling Fan 16" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	2.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
8	Supply and installation of 120mm ² , Aluminum Alloy Parallel Groove Clamp complete with nut/bolts i/c any accessories required at site. Complete in all respect as approved by the Engineer Incharge.	4.00	No		Each	
9	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal mounting frame i/c any accessories (i.e. screw. Rawl plug/rawl bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)	4.00	No		Each	
10	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	25.00	No		Each	
11	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	10.00	No		Each	
12	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	20.00	No		Each	
13	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	2.00	No		Each	
14	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	4.00	No		Each	
15	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	8.00	No		Each	
16	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	20.00	No		Each	
12	Providing & Fixing fan rod 2.5' long and connection with wire complete in all respects	20.00	No		Each	
					Total	

No.	Description	Quantity	Rate	Unit	Amount
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The Islamia University of Bahawalpur

Provision of Retro Fitting (Phase-ii) in Baghdad-ul-Jadeed

MRS: 2nd Bi-Annual, 2020

No.	Description	Quantity	Unit Rate	Unit	Amount
A	Electrical Work (Schedule)				
1	Supply and erection of PVC pipe for wiring on surface including clamps inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials:-				
	20 mm i/d	4000.00	Rft	Per Rft	
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:.				
	7/0.74 mm (7/0.029")	18000.00	Rft	Per Rft	
3	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- .				
i	PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:- 7/1.63 mm (7/0.064")	12500.00	Rft	Per Rft	
ii	PVC insulated, PVC sheathed 4-core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG.37/2.62 mm (37/0.103")	100.00	Rft	Per Rft	
4	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	105000.00	Cft	%o Cft	
5	Filling, watering and ramming earth under floors:-				
	with surplus earth from foundation, etc.	100000.00	Cft	%o Cft	
6	Dry brick pitching	4500.00	Cft	% Cft	
7	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. 60/65 Amp.	9.00	No	Each	
8	Supply and erection of street light pole bracket 30 mm (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp	85.00	No	Each	
9	Supply and erection of all aluminum stranded hard drawn bare conductor, of size 7/3.099 mm (7/0.122").	4000.00	M	Per M	
10	Supply and erection of shackle insulator, medium size.	70.00	No	Each	
11	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):Ratio 1: 2: 4	300.00	Cft	%Cft	
				A	

B	Electrical Work (Non-Schedule)				
1	Supply & installation of Die-Cast Aluminum LED Street light 120W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP372 LED 144/CW or Equivalent) with 3 year warranty.	29.00	No	Each	
2	Supply & installation of Die-Cast Aluminum LED Street light 36W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips, BRP390 LED 750/CW or Equivalent) with 3 year warranty.	195.00	No	Each	

No.	Description	Quantity		Rate	Unit	Amount
3	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	10.00	No		Each	
4	Supply, installation, connection & commissioning of Automatic Street Light Control Board, Open type Pole mounted design, made of M.S. Sheet 18 SWG with hinged door, handle, and 2 coats of Approved paint, (Size 24"x18") including Incoming Main Molded Case Circuit Breaker of 125 Amps T-p (15KA) 1.00 No, Magnetic Contactor AC3 of (1NC + 1NO) 65 Amps 1.00 Nos, Electronic Time relay 1.00 No, Kit kat Fuses 500V 200A, 3.00 No, Light activated relay 220V, 10A 1.00 No, No/Off LED phase light 2.00 Nos, Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	3.00	No		Each	
5	Horizontal boring underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	200.00	Rft		Per Rft	
6	Preparing surface and painting with Silver Enamel paint of grey shade 3 coats for tubular poles 30' height i/c scaffolding and labour complete in all respects as approved by the engineer incharge.	40.00	Job		Per Job	
7	Supply, installation, connection & commissioning of MS box 7"x 4"x 4" 16 SWG with 3/16" thick Bakelite sheet on top with 1 or 2-Amp S-p Circuit breaker and fixing arrangement on pole etc. i/c any accessories required at site. Complete in all respects as approved by the engineer incharge.	250.00	Job		Per Job	
8	Supply & Installation & commissioning of 200 KVA (11 KV/415V) 3-phase, 50 Hz step down Pad mounted / enclosed type distribution Transformer having connection group, DY-11 oil immersed natural cooled with HV & LV protections (as per WAPDA standard) i/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transfopower or Equivalent)	1.00	Job		Per Job	
9	Supply & Laying of 3-core, 120mm ² , XLPE/PVC/SWA/PVC, 8.7/15Kv Aluminum conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fast Cable or Equivalent)	350.00	M		Per M	
10	Supply and installation of 120mm ² , 3-core, 11-KV Termination Kit i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.(Raychem or Equavalent)	2.00	Job		Per Job	
11	Providing & Fixing Tubler Steet Light Poles 30' Height (Double Arm) with 5" dia G.I pipe heavy quality 10', 4" dia G.I pipe Heavy quality 10' & 2.5" dia G.i pipe Heavy quality 10' including 1.5" dia G.I pipe Light quality 2 Nos 5' Each with RCC foundation 2'x2'x5', MS plate 1" thick 1.5'x1.5' and MS plate 1/2" Thick 1.5'x1.5' including 1" dia Nut bolts 4' high 4 Nos imbeded in RCC foundation complete in all respects as approved by the engineer incharge.	9.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
12	Providing & Fixing Tubler Steet Light Poles 30' Height (Single Arm) with 5" dia G.I pipe heavy quality 10', 4" dia G.I pipe Heavy quality 10' & 2.5" dia G.i pipe Heavy quality 10' including 1.5" dia G.I pipe Light quality 1 Nos 5' Each with RCC foundation 2'x2'x5', MS plate 1" thick 1.5'x1.5' and MS plate 1/2" Thick 1.5'x1.5' including 1" dia Nut bolts 4' high 4 Nos imbeded in RCC foundaton complete in all respects as approved by the engineer incharge.	16.00	No		Each	
13	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1¾"x1¼"x3/16" with MS angle iron and 1"x1"x½" and flat iron 2"x½"bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	12.00	No		Each	
14	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	16.00	No		Each	
15	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	36.00	No		Each	
16	Supply & Installation of 11KV Disc Insulator i/c aluminum alloy Dead end clamp and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	12.00	No		Each	
17	Supply & erection of ACSR Dog (118.5 mm²) Conductor (Aluminum Conductor Steel Reinforced) for overhead11 KV Lines i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	7200.00	Rft		Per Rft	
18	Supply & Installation of Stay wire set i/c all accessories such as 'U' clamp, Rod & concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	5.00	No		Each	

The Islamia University of Bahawalpur

7 **Establishment of Citrus and Date Palm Orchard Based on Micro Irrigation System using the Undulated Barren Land at Baghdad-ul-Jadeed Campus**

Civil Work			MRS Jul to Dec, 2020			
No.	Description	Quantity		Rate	Unit	Amount
1	Excavation in foundation of building, bridges and other structures, i/c dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	5500.00	Cft		%o Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	500.00	Cft		% Cft	
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1: 6:12 i) Ratio 1:4:8	3450.00 500.00	Cft Cft		% Cft % Cft	
4	Reinforced cement concrete in slab of rafts/strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	1650.00	Cft		Per Cft	
5	Spraying anti-termite liquid mixed with water in the ratio of 1:40	3500.00	Sft		% Sft	
6	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:5	6900.00	Cft		% Cft	

No.	Description	Quantity	Rate	Unit	Amount
7	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 1.5" thick (40 mm)	780.00 Sft		% Sft	
8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	1450.00 Sft		% Sft	
9	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside, lead upto 1/4 mile	6000.00 Cft 13000.00 Cft		%o Cft %o Cft	
10	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor (7/5-i) + (7/6-i)	6500.00 Cft 750.00 Cft		% Cft % Cft	
11	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor	500.00 Cft		% Cft	
12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	4400.00 Sft		% Sft	
13	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b) ii) ¾" (20 mm) thick	13000.00 Sft 6500.00 Sft		% Sft % Sft	
14	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	4400.00 Sft		Per Sft	
15	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars Deformed Bar 40-Grade	6000.00 Kg		% Kg	
16	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix1:2:4) using harrow sand	1000.00 Cft		Per Cft	
17	Supplying and filling sand under floor; or plugging in wells	2500.00 Cft		% Cft	
18	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50 mm) gauge.	2500.00 Cft		% Cft	
19	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, cell structure closed cell) i/c cutting and placing in position complete in all respect 1.50" thick	100.00 Sft		% Sft	
20	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. (subtract the cost of bitumen coating sand blinded	100.00 Sft		% Sft	
21	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	100.00 Sft		Per Sft	

No.	Description	Quantity		Rate	Unit	Amount
22	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect 1.6 mm thick	108.00	Sft		Per Sft	
23	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	13500.00	Sft		% Sft	
24	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	150.00	Sft		% Sft	
25	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats i) upto 20' height	7450.00	Sft		% Sft	
26	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	4000.00	Sft		% Sft	
27	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	4.00	No		Each	
28	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	4000.00	Rft		Per Rft	
29	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	3.00	No		Each	
30	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	7000.00	Sft		P/Sft	
31	Providing and fixing collapsible gate made of 2"x2"x¼" (50x50x6 mm) tee iron at top and bottom, channel iron 'verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, 'handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	50.00	Sft		Per Sft	
32	Providing and fixing 24 SWG G.I. sheet rolling shutter, consisting of steel frame of M.S. channel 2"x1¼"x1/8" '(50x30x3 mm), angle iron 1½"x1½"x1/8" (40x40x3 mm), M.S. plate 1'x1'x1/8" (300x300x3 mm), G.I. pipe 1½" (37 mm) dia, springs 2' (600 mm) centre to centre, rollers, 24 SWG G.I. covering 1 ft. x 1 ft. (300x300 mm), handles, holdfast, and painting three coats, complete in all respects.	480.00	Sft		Per Sft	
33	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- Ratio 1:5	2000.00	Cft		% Cft	
34	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" '(50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	128.00	Sft		Per Sft	
					Total	

No.	Description	Quantity		Rate	Unit	Amount
	Civil Work (Non-Schedule)					
1	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2" ii) 6"x2-1/2"	120.00	Sft		Per Sft	
		50.00	Sft		Per Sft	
2	Providing and laying Floor/Dado Tile 24"x24" with dry/wet/venied application, Salt Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as appr	750.00	Sft		Per Sft	
3	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	110.00	Sft		Per Sft	
4	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	480.00	Sft		Per Sft	
5	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	670.00	Sft		Per Sft	
6	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	72.00	Sft		Per Sft	
7	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	35.00	Sft		Per Sft	
8	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	13500.00	Sft		Per Sft	
9	Providing & Fixing following cabinets comprising of 3/4" thick on both sides lamination board laminated shtter, sides, top, bottom, back & shelves i/c best quality hardware, deodar wood lipping (1/2"x3/4") and polishing wherever specified complete as shown in the drawings & directed by the engineer i) Floor Mounted Cabinets (Shutters only) ii) Wall Hanging Cabinets	150.00	Sft		Per Sft	
		100.00	Sft		Per Sft	
10	Providing & Fixing Hydraulic door closer Japan Made or approved equivalent as approved by the engineer incharge	2.00	No		Each	
11	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	100.00	Sft		Per Sft	

No.	Description	Quantity		Rate	Unit	Amount
12	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement, handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	32.00	Sft		Per Sft	
13	Supply & Installation of Abso-Barrier™ HDPE Geomembrane Liner 3mm thick or equivalent i/c binding material & torching complete in all respects as approved by the Engineer Incharge.	1200.00	Sft		Per Sft	
14	Providing and fixing Main truss M.S pipe (3"x1.50") 18 SWG and frame with M.S square pipe (1"x1") fixing of fiber sheet (3mm thick) bund colour at truss supporting by vertical G.I pipe 4" dia (Light Quality) fixing in PCC 1:2:4, 15"x2'x2' including painting 3 coats as per design, drawing & pattern and as approved by the engineer incharge complete in all respect.	1000.00	Sft		Per Sft	
15	Providing and fixing of False Ceiling consisting of laminated Gypsum Board (one side laminated) of size 600 mm x 600 mm x 7.5 mm over aluminium Tee's 1"x 1" size at 2'-0"x2'-0" center to center longitudinally and transversally & aluminium angle of size 1" x 1" at corners/ ends, including all accessories such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as approved by the Engineer Incharge.	550.00	Sft		Per Sft	
16	Providing, hoisting and placing in position Pre-Cast Prestressed Concrete Roofing consisting of Girder (8"x18"x36' Size) = 15 Nos, (8"x18"x35'-9") = 15 Nos and slabs size 4'-1"x1'-6" = 368x2 = 736 Nos i/c PCC 1:2:4 for grating etc complete in all respects as approved by the Engineer Incharge.	4500.00	Sft		Per Sft	
17	Providing & Laying PVC water stopper complete in all in all respects as approved by the Engineer Incharge.	300.00	Rft		Per Rft	
					Total	
	Plumbing work					
1	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	1600.00	Cft		%o Cft	
2	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels and removing surface water in all types of soil except shingle gravel and rock upto: i) 0 to 7 ft	2000.00	Cft		%oCft	
3	Providing & Fixing Brass gas cock 15mm 1/2" dia	2.00	No		Each	
4	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. i) upto 8" i/d (200 mm)	1.00	Con.		P/Con	
5	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	5.00	No		Each	
6	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) ¾" i/d (20 mm) b) 1" i/d (25 mm)	50.00 100.00	Rft Rft		P/Rft P/Rft	

No.	Description	Quantity		Rate	Unit	Amount
7	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe in trenches. complete in all respects PN-10 (SDR-17) i) 3" dia (90 mm)	200.00	Rft		P/Rft	
8	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	1.00	No		Each	
9	Providing and fixing, double seat and cover only. bakelite	1.00	No		Each	
10	providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	1.00	No		Each	
11	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) coloured, with pedestal	2.00	No		Each	
12	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Coloured	1.00	No		Each	
13	Providing and fitting:- i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic towel rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing.	2.00 2.00 2.00 2.00	No No No No		Each Each Each Each	
14	Providing and fixing chromium plated tee stop cock 15mm (½")	6.00	No		Each	
15	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	2.00	No		Each	
					Total	
	Plumbing work (Non-Schedule)					
1	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d	150.00 250.00	Rft Rft		Per Rft Per Rft	
2	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended from roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d ii) 32mm o.d	150.00 250.00	Rft Rft		Per Rft Per Rft	
3	Providing & Fixing uPVC P-trap 4" dia of approved quality	5.00	No		Each	
4	Construction of square masnory manhole 2.50x2.50 ft. including cover & frame upto 5' depth	4.00	No		Each	
5	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. i) 25 mm O.D ii) 32 mm O.D	2.00 2.00	No No		Each Each	
6	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as					

No.	Description	Quantity		Rate	Unit	Amount
	approved by the Engineer Incharge.	5.00	No		Each	
7	Providing and fitting chromium Muslim Shower with Double Bib cock best quality complete in all respects as approved by the engineer incharge (Master or equivalent company)	2.00	No		Each	
8	Providing & Fixing of Vent Cowl 110mm make of approved quality complete in all respects	2.00	No		Each	
					Total	
	Electrical Work (Schedule)					
1	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-					
	50 mm i/d	150.00	Rft		Per Rft	
2	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					
	i) 20 mm i/d	1000.00	Rft		Per Rft	
	ii) 25 mm i/d	1200.00	Rft		Per Rft	
3	Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials:-					
	50 mm i/d	100.00	Rft		Per Rft	
4	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:					
	i) 3/0.74 mm (3/0.029")	2500.00	Rft		Per Rft	
	ii) 7/0.74 mm (7/0.029")	1600.00	Rft		Per Rft	
	iii) 7/1.12 mm (7/0.044")	1500.00	Rft		Per Rft	
5	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):-					
	PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-					
	i 7/1.63 mm (7/0.064")	350.00	Rft		Per Rft	
6	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	1400.00	Cft		%o Cft	
7	Filling, watering and ramming earth under floors:-					
	with surplus earth from foundation, etc.	935.00	Cft		%o Cft	
8	Dry brick pitching	70.00	Cft		% Cft	
					Total	
	Electrical Work (Non-Schedule)					
1	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	20.00	M		Per M	
2	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	25.00	M		Per M	
3	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	20.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
4	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	30.00	No		Each	
5	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	3.00	No		Each	
6	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widening of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	4.00	No		Each	
7	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	16.00	No		Each	
8	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	2.00	No		Each	
9	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	46.00	No		Each	
10	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	15.00	No		Each	
11	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	16.00	No		Each	
12	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	4.00	No		Each	
13	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	4.00	No		Each	
14	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	4.00	No		Each	
15	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 15"x21") including Incoming Main Molded Case Circuit Breaker of 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No			

No.	Description	Quantity		Rate	Unit	Amount
16	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	1.00	No		Each	
17	Supply and installation of 120mm ² , Aluminum Alloy Parallel Groove Clamp complete with nut/bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	2.00	No		Each	
18	Horizontal boring 4" dia underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	30.00	Rft		Per Rft	
19	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bitu or equivalent)	16.00	No		Each	
20	Supply & installation of 2' x 2' False Ceiling Fan 16" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	2.00	No		Each	
21	Supply & installation of LED 2'x 2' Ceiling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 36S/865 PSU W60L60 GM G2 or Equivalent)	8.00	No		Each	
					Total	-

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The Islamia University of Bahawalpur

Establishment of Commercial Multistory/High Density Orchard and Fruit Research Unit at

MRS Jul to Dec, 2020						
No.	Description	Quantity		Rate	Unit	Amount
	Civil Work					
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	9050.00	Cft		%o Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	650.00	Cft		% Cft	
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1: 6:12 i) Ratio 1:4:8	2000.00 1750.00	Cft Cft		% Cft % Cft	
4	Reinforced cement concrete in slab of rafts/strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	1350.00	Cft		Per Cft	
5	Spraying anti-termite liquid mixed with water in the ratio of 1:40	3500.00	Sft		% Sft	
6	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:5	6000.00	Cft		% Cft	
7	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 2" thick (50 mm)	630.00	Sft		% Sft	

No.	Description	Quantity	Rate	Unit	Amount
8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	1480.00 Sft		% Sft	
9	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside, lead upto 1/4 mile	6000.00 Cft 13000.00 Cft		%o Cft %o Cft	
10	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor (7/5-i) + (7/6-i)	4850.00 Cft 790.00 Cft		% Cft % Cft	
11	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor	585.00 Cft		% Cft	
12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	2580.00 Sft		% Sft	
13	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b) ii) ¾" (20 mm) thick	5500.00 Sft 4500.00 Sft		% Sft % Sft	
14	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	5000.00 Sft		Per Sft	
15	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars ii) Deformed Bar 40-Grade	5500.00 Kg		% Kg	
16	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix 1:2:4) using harrow sand	1700.00 Cft		Per Cft	
17	Supplying and filling sand under floor; or plugging in wells	1250.00 Cft		% Cft	
18	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	1250.00 Cft		% Cft	
19	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, cell structure closed cell) i/c cutting and placing in position complete in all respect 1.50" thick	2500.00 Sft		% Sft	
20	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. (subtract the cost of bitumen coating sand blinded	2500.00 Sft		% Sft	
21	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	300.00 Sft		Per Sft	
22	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top &				

No.	Description	Quantity		Rate	Unit	Amount
	bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 1.6 mm thick	250.00	Sft		Per Sft	
23	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	8500.00	Sft		% Sft	
24	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	650.00	Sft		% Sft	
25	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats i) upto 20' height	6600.00	Sft		% Sft	
26	French polishing complete:- on new surface	300.00	Sft		% Sft	
27	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	1350.00	Sft		% Sft	
28	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	6.00	No		Each	
29	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	1350.00	Rft		Per Rft	
30	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	4.00	No		Each	
31	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	4000.00	Sft		P/Sft	
32	Providing and fixing collapsible gate made of 2"x2"x¼" (50x50x6 mm) tee iron at top and bottom, channel iron 'verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, 'handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	80.00	Sft		Per Sft	
33	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but including erection in position.	300.00	Kg		% Kg	
	Civil Work (Non-Schedule)				Total	
1	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2" ii) 6"x2-1/2"	250.00 50.00	Sft Sft		Per Sft Per Sft	
2	Providing and laying Floor/Dado Tile 24"x24" with dry/wet/venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as appr	2500.00	Sft		Per Sft	

No.	Description	Quantity		Rate	Unit	Amount
3	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	240.00	Sft		Per Sft	
4	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	1260.00	Sft		Per Sft	
5	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortar 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortar 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	800.00	Sft		Per Sft	
6	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	250.00	Sft		Per Sft	
7	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	100.00	Sft		Per Sft	
8	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	8500.00	Sft		Per Sft	
9	Providing & Fixing following cabinets comprising of 3/4" thick on both sides lamination board laminated shtter, sides, top, bottom, back & shelves i/c best quality hardware, deodar wood lipping (1/2"x3/4") and polishing wherever specified complete as shown in the drawings & directed by the engineer i) Floor Mounted Cabinets (Shutters only) ii) Wall Hanging Cabinets	300.00 300.00	Sft Sft		Per Sft Per Sft	
10	Providing & Fixing Hydraulic door closer Japan Made or approved equivalent as approved by the engineer incharge	4.00	No		Each	
11	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	300.00	Sft		Per Sft	
12	2'-9" high stair railing comprising of 2-1/2" dia 16 gauge S.S pipe hand rail fixed with same dia pipe blusters as specified distance fixed at top of steps with expension bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes horizontally fixed with blusters compelte in all respects	100.00	Rft		Per Rft	
13	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement,handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	32.00	Sft		Per Sft	
14	Supply & Installation of Abso-Barrier™ HDPE Geomembrane Liner 3mm thick or equivalent i/c binding material & torching complete in all respects as approved by the Engineer Incharge.	1000.00	Sft		Per Sft	
15	Providing and fixing Main truss M.S pipe (3"x1.50") 18 SWG and frame with M.S square pipe (1"x1") fixing of fiber sheet (3mm thick) bund colour at truss supporting by					

No.	Description	Quantity	Rate	Unit	Amount
	vertical G.I pipe 4" dia (Light Quality) fixing in PCC 1:2:4, 15"x2'x2' including painting 3 coats as per design, drawing & pattern and as approved by the engineer incharge complete in all respect.	750.00 Sft		Per Sft	
				Total	
1	Plumbing work Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	1600.00 Cft		%o Cft	
2	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels and removing surface water in all types of soil except shingle gravel and rock upto: i) 0 to 7 ft	2000.00 Cft		%oCft	
3	Providing & Fixing Brass gas cock 15mm 1/2" dia	2.00 No		Each	
4	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. i) upto 8" i/d (200 mm)	1.00 Con.		P/Con	
5	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	5.00 No		Each	
6	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) ¾" i/d (20 mm) b) 1" i/d (25 mm)	100.00 Rft 110.00 Rft		P/Rft P/Rft	
7	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) i) 3" dia (90 mm)	250.00 Rft		P/Rft	
8	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	2.00 No		Each	
9	Providing and fixing, double seat and cover only. bakelite	2.00 No		Each	
10	providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	5.00 No		Each	
11	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) coloured, with pedestal ii) coloured, without pedestal	1.00 No 4.00 No		Each Each	
12	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	1.00 No		Each	
13	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Coloured	7.00 No		Each	
14	Providing and fitting:- i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic towel rail iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing.	5.00 No 5.00 No 5.00 No 5.00 No		Each Each Each Each	

No.	Description	Quantity		Rate	Unit	Amount
15	Providing and fixing chromium plated pillar-cock, heavy:- 1.5 cm (½")	6.00	No		Each	
16	Providing and fixing chromium plated tee stop cock 15mm (½")	16.00	No		Each	
17	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	7.00	No		Each	
18	Providing and fixing chromium plated shower rose:- 1.5x10 cm (½"x4")	2.00	No		Each	
19	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	5.00	No		Each	
20	Providing and fitting "P" trap:- 10 cm (4") glazed.	12.00	No		Each	
21	Providing and fixing chromium plated bottle trap with waste pipe, etc. complete:- 3 cm (1¼") i/d	1.00	No		Each	
					Total	
	Plumbing work (Non-Schedule)					
1	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d iii) 8" i/d	150.00 250.00 100.00	Rft Rft Rft		Per Rft Per Rft Per Rft	
2	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended from roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d ii) 32mm o.d	450.00 400.00	Rft Rft		Per Rft Per Rft	
3	Providing & Fixing uPVC P-trap 4" dia of approved quality	12.00	No		Each	
4	Construction of collection chamber without grating complete in all respects as per drawing &/or as directed by the engineer	4.00	No		Each	
5	Providing & Fixing grating at site with angle iron frame 1.5"x1.5"x1/4" and 1" square bars @ 1" c/c complete in all respects according to the drawing and specifications as per direction by the engineer incharge.	4.00	No		Each	
6	Construction of square masonry manhole 2.50x2.50 ft. including cover & frame upto 5' depth	4.00	No		Each	
7	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. i) 25 mm O.D ii) 32 mm O.D	2.00 2.00	No No		Each Each	
8	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	12.00	No		Each	
9	Providing and fitting chromium Muslim Shower with Double Bib cock best quality complete in all respects as approved by the engineer incharge (Master or equivalent company)	3.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
10	Providing & Fixing of Vent Cowl 110mm make of approved quality complete in all respects	4.00	No		Each	
					Total	
	Electrical Work (Schedule)					
1	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-					
	50 mm i/d	100.00	Rft		Per Rft	
2	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					
	i) 20 mm i/d	1000.00	Rft		Per Rft	
	ii) 25 mm i/d	1000.00	Rft		Per Rft	
3	Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials:-					
	50 mm i/d	100.00	Rft		Per Rft	
4	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:					
	i) 3/0.74 mm (3/0.029")	2500.00	Rft		Per Rft	
	ii) 7/0.74 mm (7/0.029")	1500.00	Rft		Per Rft	
	iii) 7/1.12 mm (7/0.044")	1500.00	Rft		Per Rft	
5	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- .					
	PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-					
i	7/1.63 mm (7/0.064")	350.00	Rft		Per Rft	
6	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	1400.00	Cft		%o Cft	
7	Filling, watering and ramming earth under floors:-					
	with surplus earth from foundation, etc.	935.00	Cft		%o Cft	
8	Dry brick pitching	70.00	Cft		% Cft	
					Total	
	Electrical Work (Non-Schedule)					
1	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	20.00	M		Per M	
2	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	25.00	M		Per M	
3	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	20.00	No		Each	
4	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	10.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
5	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	2.00	No		Each	
6	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widening of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	1.00	No		Each	
7	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	11.00	No		Each	
8	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	6.00	No		Each	
9	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	36.00	No		Each	
10	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	15.00	No		Each	
11	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	11.00	No		Each	
12	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	6.00	No		Each	
13	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	6.00	No		Each	
14	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	4.00	No		Each	
15	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 15"x21") including Incoming Main Molded Case Circuit Breaker of 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No			

No.	Description	Quantity		Rate	Unit	Amount
16	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00	No		Each	
17	Supply and installation of 120mm ² , Aluminum Alloy Parallel Groove Clamp complete with nut/bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	4.00	No		Each	
18	Horizontal boring 4" dia underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	30.00	Rft		Per Rft	
19	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bitu or equivalent)	11.00	No		Each	
20	Supply & installation of 2' x 2' False Ceiling Fan 16" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	6.00	No		Each	
21	Supply & installation of LED 2'x 2' Ceiling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 36S/865 PSU W60L60 GM G2 or Equivalent)	10.00	No		Each	
					Total	

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The Islamia University of Bahawalpur

Establishment of Cut Flower & Vegetables Production, Research & Training Cell at
Baghdad-ul-Jadeed Campus

MRS Jul to Dec, 2020

No.	Description	Quantity		Rate	Unit	Amount
	Civil Work					
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). b) In ordinary soil.	9050.00	Cft		%o Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	500.00	Cft		% Cft	
3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- i) Ratio 1: 6:12 i) Ratio 1:4:8	1500.00 1750.00	Cft Cft		% Cft % Cft	
4	Reinforced cement concrete in slab of rafts/strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	1350.00	Cft		Per Cft	
5	Spraying anti-termite liquid mixed with water in the ratio of 1:40	3500.00	Sft		% Sft	
6	Pacca brick work in foundation and plinth in:- Cement, sand mortar: Ratio 1:5	5800.00	Cft		% Cft	
7	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including					

No.	Description	Quantity	Rate	Unit	Amount
	bitumen coating:- with one coat bitumen and one coat polythene sheet 500 gauge. 2" thick (50 mm)	600.00 Sft		% Sft	
8	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3 ¾ " thick (20 mm)	1450.00 Sft		% Sft	
9	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc. ii) with new earth excavated from outside, lead upto 1/4 mile	6000.00 Cft 13000.00 Cft		%o Cft %o Cft	
10	Pacca brick work in Cement, sand mortar:- Ratio 1:5 i) Ground Floor (7/5-i) ii) First Floor (7/5-i) + (7/6-i)	4750.00 Cft 750.00 Cft		% Cft % Cft	
11	Pacca brick work in Cement, sand mortar:- Ratio 1:4 i) Ground Floor	500.00 Cft		% Cft	
12	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	2500.00 Sft		% Sft	
13	Cement plaster 1:4 upto 20' (6.00 m) height:- i) ½" (13 mm) thick (11/9-b) ii) ¾" (20 mm) thick	5000.00 Sft 4500.00 Sft		% Sft % Sft	
14	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	5000.00 Sft		Per Sft	
15	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars ii) Deformed Bar 40-Grade	5500.00 Kg		% Kg	
16	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects Type B (nominal mix 1:2:4) using harrow sand	1700.00 Cft		Per Cft	
17	Supplying and filling sand under floor; or plugging in wells	1250.00 Cft		% Cft	
18	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	1250.00 Cft		% Cft	
19	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, cell structure closed cell) i/c cutting and placing in position complete in all respect 1.50" thick	2500.00 Sft		% Sft	
20	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded. (subtract the cost of bitumen coating sand blinded)	2500.00 Sft		% Sft	
21	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	300.00 Sft		Per Sft	
22	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having				

No.	Description	Quantity		Rate	Unit	Amount
	Frame of size100mmx 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush chennel angle joint and hardware etc.complete in all respect 1.6 mm thick	250.00	Sft		Per Sft	
23	Preparing surface & painting with 3 coats Emulsion paint complete in all respects	8500.00	Sft		% Sft	
24	Painting new surface: Preparing surface and painting of doors and windows any type (including edges):- 3 coats	650.00	Sft		% Sft	
25	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2 coats i) upto 20' height	6600.00	Sft		% Sft	
26	French polishing complete:- on new surface	300.00	Sft		% Sft	
27	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	1350.00	Sft		% Sft	
28	Providing and fixing sliding bolt to doors:- iron sliding bolt, 12" (300 mm) long	6.00	No		Each	
29	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½"x3/8" (40x10mm)	1350.00	Rft		Per Rft	
30	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	4.00	No		Each	
31	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60 mm thick	3000.00	Sft		P/Sft	
32	Providing and fixing collapsible gate made of 2"x2"x¼" (50x50x6 mm) tee iron at top and bottom, channel iron 'verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts, 'handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3 mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled, complete in working order.	80.00	Sft		Per Sft	
33	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but including erection in position.	200.00	Kg		% Kg	
	Civil Work (Non-Schedule)				Total	
1	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 10"x1"x1/8", hold fast i/c welding/screwing 4" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size i) 10"x2-1/2" ii) 6"x2-1/2"	250.00 50.00	Sft Sft		Per Sft Per Sft	
2	Providing and laying Floor/Dado Tile 24"x24" with dry/wet/venied application, Salt'Pepper (SPM-110) Dark Polished SB including 05% Wastage laid in cement with					

No.	Description	Quantity	Rate	Unit	Amount
	pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as appr	2500.00 Sft		Per Sft	
3	Providing and laying Floor Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	240.00 Sft		Per Sft	
4	Providing and laying Dado Tile 12"x18" SP Series on matching color base (Glossy) Dark Color Rectified SB) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineer incharge	1260.00 Sft		Per Sft	
5	Providing & Fixing marble 3/4" thick Buticina fency 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortor 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortor 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	800.00 Sft		Per Sft	
6	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar @ 4" c/c with 1.25"x1.25"x1/8" MS box angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	250.00 Sft		Per Sft	
7	Providing and fixing 1½" (40mm) thick uPVC flush door of approved design & make, all hardware/ accessories chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect as approved by the engineer incharge	100.00 Sft		Per Sft	
8	Putti filling for emulsion paint including rubbing and primary coat complete in all respects as approved by the Engineer Incharge.	8500.00 Sft		Per Sft	
9	Providing & Fixing following cabinets comprising of 3/4" thick on both sides lamination board laminated shtter, sides, top, bottom, back & shelves i/c best quality hardware, deodar wood lipping (1/2"x3/4") and polishing wherever specified complete as shown in the drawings & directed by the engineer i) Floor Mounted Cabinets (Shutters only) ii) Wall Hanging Cabinets	300.00 Sft 300.00 Sft		Per Sft Per Sft	
10	Providing & Fixing Hydraulic door closer Japan Made or approved equivalent as approved by the engineer incharge	4.00 No		Each	
11	Providing and fixing ornamental partal wooden architrave 3"x1/2" (75mmx12mm) tapered to 1/4" (6mm) all along the door frame complete in all respect as approved by the Engineer Incharge.	300.00 Sft		Per Sft	
12	2'-9" high stair railing comprising of 2-1/2" dia 16 gauge S.S pipe hand rail fixed with same dia pipe blusters as specified distance fixed at top of steps with expension bolts, 3 Nos of 16 gauge 1/2" dia S.S pipes horizontally fixed with blusters compelte in all respects	100.00 Rft		Per Rft	
13	Providing and fixing Steel door consisting of 16 gauge M.S sheet welded with M.S "L" section, 1-1/4" x 1-1/4" x 1/8" M.S "L" section welded with M.S Sheet, hinged with Chowkat, i/c locking arrangement,handles, hinges etc. duly enamel painted complete in all respects as per drawings and specifications and as approved by the Engineer in charge.	32.00 Sft		Per Sft	
14	Supply & Installation of Abso-Barrier™ HDPE Geomembrane Liner 3mm thick or equivalent i/c binding material & torching complete in all respects as approved by the Engineer Incharge.	1000.00 Sft		Per Sft	
15	Providing and fixing Main truss M.S pipe (3"x1.50") 18				

No.	Description	Quantity		Rate	Unit	Amount
	SWG and frame with M.S square pipe (1"x1") fixing of fiber sheet (3mm thick) bund colour at truss supporting by vertical G.I pipe 4" dia (Light Quality) fixing in PCC 1:2:4, 15"x2'x2' including painting 3 coats as per design, drawing & pattern and as approved by the engineer incharge complete in all respect.	750.00	Sft		Per Sft	
					Total	
	Plumbing work					
1	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc	1600.00	Cft		%o Cft	
2	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels and removing surface water in all types of soil except shingle gravel and rock upto: i) 0 to 7 ft	2000.00	Cft		%oCft	
3	Providing & Fixing Brass gas cock 15mm 1/2" dia	2.00	No		Each	
4	Making connection for new watersupply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc. i) upto 8" i/d (200 mm)	1.00	Con.		P/Con	
5	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	5.00	No		Each	
6	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality a) ¾" i/d (20 mm) b) 1" i/d (25 mm)	100.00 110.00	Rft Rft		P/Rft P/Rft	
7	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe in trenches. complete in all respects PN-10 (SDR-17) i) 3" dia (90 mm)	250.00	Rft		P/Rft	
8	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	2.00	No		Each	
9	Providing and fixing, double seat and cover only. bakelite	2.00	No		Each	
10	providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. coloured	5.00	No		Each	
11	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) coloured, with pedestal ii) coloured, without pedestal	1.00 4.00	No No		Each Each	
12	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	1.00	No		Each	
13	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Coloured	7.00	No		Each	
14	Providing and fitting:- i) Plastic soap dish ii) Plastic toilet paper holder iii) Plastic towel rail	5.00 5.00 5.00	No No No		Each Each Each	

No.	Description	Quantity		Rate	Unit	Amount
	iv) Plastic shelf 60x13 cm (24"x5") with bracket and railing.	5.00	No		Each	
15	Providing and fixing chromium plated pillar-cock, heavy:- 1.5 cm (½")	6.00	No		Each	
16	Providing and fixing chromium plated tee stop cock 15mm (½")	16.00	No		Each	
17	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	7.00	No		Each	
18	Providing and fixing chromium plated shower rose:- 1.5x10 cm (½"x4")	2.00	No		Each	
19	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	5.00	No		Each	
20	Providing and fitting "P" trap:- 10 cm (4") glazed.	12.00	No		Each	
21	Providing and fixing chromium plated bottle trap with waste pipe, etc. complete:- 3 cm (1¼") i/d	1.00	No		Each	
					Total	
	Plumbing work (Non-Schedule)					
1	Providing, fixing, cutting, jointing & testing uPVC drainage pipes of approved quality, i/c uPVC drainage fitting with soil vent cement jointing, " Type-B" or approved equal, rates i/c cost of clamping to walls and ceiling, hangers supports, cutting through wall & providing sleeves through concrete slab for pipe line & pipe fitting of following dia meters i) 4" i/d ii) 6" i/d iii) 8" i/d	150.00 250.00 100.00	Rft Rft Rft		Per Rft Per Rft Per Rft	
2	Providing, fixing, jointing and testing polypropylene Random (PPR) pipes of approved quality, for cold water as per DIN 8077-8078, PN-20 for pipes and DIN 16962, PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc) recessed in walls or suspended from roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and hole complete in all respects. i) 25mm o.d ii) 32mm o.d	450.00 400.00	Rft Rft		Per Rft Per Rft	
3	Providing & Fixing uPVC P-trap 4" dia of approved quality	12.00	No		Each	
4	Construction of collection chamber without grating complete in all respects as per drawing &/or as directed by the engineer	4.00	No		Each	
5	Providing & Fixing grating at site with angle iron frame 1.5"x1.5"x1/4" and 1" square bars @ 1" c/c complete in all respects according to the drawing and specifications as per direction by the engineer incharge.	4.00	No		Each	
6	Construction of square masonry manhole 2.50x2.50 ft. including cover & frame upto 5' depth	4.00	No		Each	
7	Providing and installing Brass Ball/ Handle valves of approved quality of following nominal dia, including jointing, fitting, painting, testing, complete in all respects to match with PPR/uPVC pipes of following diameters. i) 25 mm O.D ii) 32 mm O.D	2.00 2.00	No No		Each Each	
8	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	12.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
9	Providing and fitting chromium Muslim Shower with Double Bib cock best quality complete in all respects as approved by the engineer incharge (Master or equivalent company)	3.00	No		Each	
10	Providing & Fixing of Vent Cowl 110mm make of approved quality complete in all respects	4.00	No		Each	
					Total	
	Electrical Work (Schedule)					
1	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-					
	50 mm i/d	100.00	Rft		Per Rft	
2	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					
	i) 20 mm i/d	1000.00	Rft		Per Rft	
	ii) 25 mm i/d	1000.00	Rft		Per Rft	
3	Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials:-					
	50 mm i/d	100.00	Rft		Per Rft	
4	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:					
	i) 3/0.74 mm (3/0.029")	2500.00	Rft		Per Rft	
	ii) 7/0.74 mm (7/0.029")	1500.00	Rft		Per Rft	
	iii) 7/1.12 mm (7/0.044")	1500.00	Rft		Per Rft	
5	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- .					
	PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-					
	i 7/1.63 mm (7/0.064")	350.00	Rft		Per Rft	
6	Excavation of trenches in all kinds of soil, except cutting 'rock, for water supply pipe lines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, levelling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	1400.00	Cft		%o Cft	
7	Filling, watering and ramming earth under floors:-					
	with surplus earth from foundation, etc.	935.00	Cft		%o Cft	
8	Dry brick pitching	70.00	Cft		% Cft	
					Total	
	Electrical Work (Non-Schedule)					
1	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	20.00	M		Per M	
2	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	25.00	M		Per M	
3	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	20.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
4	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	10.00	No		Each	
5	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	2.00	No		Each	
6	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widening of mounting holes and 4.00nos of rawl bolts ¼" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	1.00	No		Each	
7	Supply & installation of Ceiling Fans, 56" sweep (As per "Pakistan Energy Lable" certified manufacturers). i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	11.00	No		Each	
8	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	6.00	No		Each	
9	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	36.00	No		Each	
10	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	15.00	No		Each	
11	Supply & installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	11.00	No		Each	
12	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	6.00	No		Each	
13	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	6.00	No		Each	
14	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	4.00	No		Each	
15	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 15"x21") including Incoming Main Molded Case Circuit Breaker of 80 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 18.00 Nos, LED phase light volt meter type (RYB), Earthling bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No			

No.	Description	Quantity		Rate	Unit	Amount
16	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	2.00	No		Each	
17	Supply and installation of 120mm ² , Aluminum Alloy Parallel Groove Clamp complete with nut/bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	4.00	No		Each	
18	Horizontal boring 4" dia underneath roads, walking path & ramps of houses for crossing of Electric power cables, PVC pipes or Water lines. Complete in all respects as approved and as directed by the engineer incharge.	30.00	Rft		Per Rft	
19	Supply & installation of PVC Fan Box with iron bar i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (GM, Bita or equivalent)	11.00	No		Each	
20	Supply & installation of 2' x 2' False Ceiling Fan 16" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	6.00	No		Each	
21	Supply & installation of LED 2'x 2' Ceiling Panel Light 36W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 36S/865 PSU W60L60 GM G2 or Equivalent)	10.00	No		Each	
					Total	

The Islamia University of Bahawalpur

10 Installation of Micro Irrigation System including Lawn-Cum Avenue Planting from Jamia Masjid to Faculty of Agriculture at Baghdad-ul-Jadeed Campus

Civil Work			MRS Jul-Dec, 2020			
No	Description	Quantity		Rate	Unit	Amount
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil	7024.00	Cft		%o Cft	
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:2:4	50.00	Cft		% Cft	
3	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars (Grade-40)	905.00	Kg		% Kg	
4	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- using harrow sand i) Type C (nominal mix 1: 2: 4)	97.50	Cft		Per Cft	

No.	Description	Quantity		Rate	Unit	Amount
5	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ complete in all respects: using harrow sand i) Type C (nominal mix 1: 2: 4)	200.00	Cft		Per Cft	
6	Filling, watering & ramming earth under floors:- i) with surplus earth from foundation, etc.	1500.00	Cft		%o Cft	
	ii) with new earth excavated from outside, lead upto 1/4 mile	6500.00	Cft		%o Cft	
7	Pacca brick work in foundation and plinth in:- cement sand mortar Ratio 1:6	1294.00	Cft		% Cft	
8	Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating:- with 2 coats of bitumen: 1½" thick (40 mm)	228.00	Sft		% Sft	
9	Pacca brick work in ground floor:- cement, sand mortar:- i) Ratio 1:5	1000.00	Cft		% Cft	
10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	275.00	Sft		% Sft	
11	Cement plaster 1:5 upto 20' (6.00 mm) height:- i) ½" (13 mm) thick	2600.00	Sft		% Sft	
12	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	225.00	Sft		% Sft	
13	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	2.00	No		Each	
14	Supplying and filling sand under floor; or plugging in wells.	150.00	Cft		% Cft	
15	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	150.00	Cft		% Cft	
16	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 3" thick	1293.00	Sft		% Sft	
17	Preparing surface and painting with emulsion paint:- 3 coats	640.00	Sft		% Sft	
18	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface 2-coats	800.00	Sft		% Sft	
19	Preparing surface and painting of doors and windows any type (including edges):- new surface 3 coats	250.00	Sft		% Sft	
20	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1: 4: 8	756.00	Cft		% Cft	
21	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) Grill 'including ¾" x 1/8" (20 mm x 3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	240.00	Sft		Per Sft	
22	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast,					

No.	Description	Quantity		Rate	Unit	Amount
	making and threading holes for hinges, etc. complete:- M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	28.00	Sft		Per Sft	
23	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinge with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	28.00	Sft		Per Sft	
24	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. Complete in all respect. (50% Grey/50% Coloured) 60mm thick	200.00	Sft		Per Sft	
25	Coloured glazed tile dado ¼" (6mm) thick in pigment over 1:2 cement, sand mortar ¾"(20mm) thick, including finishing.	765.00	Sft		% Sft	
26	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. Size 1½" x 3/8" (40 x 10 mm)	500.00	Rft		Per Rft	
27	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 15" i/d	30.00	Rft		Per Rft	
	Civil Work (Non-Schedule)				Total	
1	Providing and laying Floor Tile 24"x24" Granite Effect (GEM) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of ¾" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge	276.50	Sft		Per Sft	
2	Putti filling for emulsion paint including rubbing and paper sanding complete in all respects as approved by the Engineer Incharge.	640.00	Sft		Per Sft	
	Electrical Work				Total	
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					
	i) ¾" i/d (20 mm)	40.00	M		Per M	
	ii) 1" i/d (25 mm)	33.00	M		Per M	
2	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only). 250/440 volts, PVC insulated:					
	i) 3/0.74 mm (3/0.029")	182.93	M		Per M	
	ii) 7/0.74 mm (7/0.029")	121.95	M		Per M	
	iii) 7/1.12 mm (7/0.044")	60.98	M		Per M	
3	Supply and erection of ceiling rose, bakelite.	5.00	No		Each	

No.	Description	Quantity		Rate	Unit	Amount
4	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:- 7/1.63 mm (7/0.064")	60.98	M		Per M	
5	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc. i) 17.5 x 10 cm (7"x4") ii) 22.5 x 10 cm (9"x4")	2.00 3.00	No No		Each Each	
6	Supply and erection of switches 5 Amp. Piano type	25.00	No		Each	
7	Supply and erection of 3 pin switch and plug combined, recessed type. 10/15 Amp	4.00	No		Each	
8	Supply and erection of 3 pin, 10/15 Amp. wall socket recessed type	8.00	No		Each	
9	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. 60/65 Amp.	1.00	No		Each	
	Electrical Work (Non-Schedule)				Total	
1	Supply & installation of Plastic Fan box i/c any accessories required at site. Complete in all respect and approved by the Engineer Incharge	2.00	No		Each	
2	Supply & installation of Ceiling Fan 56" (99.99% Copper) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis-Deluxe, Tamoor-Deluxe, Pakfan-Deluxe or Equivalent)	2.00	No		Each	
3	Supply & installation of Strip (patti) with 20W Led tube rod (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips or Equivalent)	7.00	No		Each	
4	Providing and Laying earthing for Electric Machines I/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	1.00	No		Each	
					Total	
	Plumbing Work					
1	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality i) 1" i/d (25 mm) ii) 1 1/2" i/d (40 mm) ii) 2" i/d (50 mm)	70.00 60.00 80.00	Rft Rft Rft		Per Rft Per Rft Per Rft	

No.	Description	Quantity	Rate	Unit	Amount
				Total	
1	Plumbing Work (Non-Schedule) Providing, laying, fixing and testing uPVC Soil Waste, vent & rain water down pipe "NIKASI PIPES Durafit/ Beta/ Pak Arab/Equalvent" as per ISO 3633 & PS 3214 including uPVC fittings with solvent cement jointing or rubber ring joints complete in all respects including clamps, bends, tees, Y-tees, Cowl reducers, clean out WC- Elbow Adopter etc. embedded in floors 3" thick P.C.C. 1:4:8 bedding under pipe (by using crushed stone) complete excavation back fill where required or clamped to walls, making requisite no. of holes & making good the same, complet in all respects. 4" dia.Complete in all respects and as approved by Engineer Incharge	30.00	Rft	Per Rft	
				Total	