

The Islamia University of Bahawalpur

Construction of Girls Hostel 1st Floor at Bahawalnagar Campus

Estimate Based on MRS 01 January 2020 to 30 June, 2020 BWN
Estimate

A) Civil Work		
I Schedule Items	Rs.	56,520,604.79
II Non-Schedule Items	Rs.	21,079,561.94
Total of Civil Work:	Rs.	77,600,166.73
B) Electrical Work		
I Schedule Items	Rs.	3,162,156.75
II Non-Schedule Items	Rs.	4,935,154.20
Total of Electrical Work	Rs.	8,097,310.95
C) Plumbing Work		
I Schedule Items	Rs.	206,052.45
II Non-Schedule Items	Rs.	3,364,295.92
Total of Plumbing Work	Rs.	3,570,348.37
Total of (A,B,C) Rs.		89,267,826.05
Add 5 % PST		4,463,391.30
Grand Total		93,731,217.35 ✓

1st Floor+2nd Floor

Coverd Area (29813+2000) **31813.00Sft**
Rate P/Sft 2,946.32



Sub Engineer,


Assistant Engineer,


Executive Engineer,

Approved

Technically Sanctioned Rs: 93,731,217.00


Project Director

The Islamia university of Baha
Construction of Girls Hostel 1st Floor at Baha
Estimate

Sl. No.	Description	Ref.	Quantity
Steel Work (Schedule Items)			
1	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	4/20	1745.66
2	Dismantling brick work, in lime or cement mortar	4/13	4440.27 Cft
3	Dismantling 1st class tile roofing.	4/22-a	32256.00 Sft
4	Preparing and laying reinforced cement concrete and screened graded and washed aggregate, in required shape and design including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.) - (a) (i) Reinforced cement concrete in roof slab, beams, extra column lintels, girders and other structural members laid in situ or precast laid in position or prestressed members cast in situ, complete in all respects - (i)	6/5-2c	
	(i) First Floor (nominal mix 1: 1½: 3)		25042.65 Cft
	(i) 2nd Floor (nominal mix 1: 1½: 3)		2599.84 Cft
	ii) First Floor (nominal mix 1: 2: 4)		724.89 Cft
	iv) 2nd Floor (nominal mix 1: 2: 4)		1389.55 Cft
5	Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of bending wire and labour charges for testing of steel reinforcement (also includes removal of rust from bars) Detailed Bars		
	(i) 80-Grade	6/9-c	94039.75
	(i) 40-Grade	6/9-b	6473.99 Kg
6	Spraying anti-termite liquid mixed with water in the ratio of 1:40	26/42	31633.07 Sft
7	Pucca brick work in Cement, sand mortar:- Ratio 1:4 Ground Floor		
	(i) First Floor	7/5	22229.76
	ii) 2nd Floor		8639.60
	iii) 3rd Floor		2718.04 Cft
8	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron - 4 1/2" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart	7/21-a	31964.56 Sft
9	3/8" thick cement plaster under soffit of RCC roof slabs Ratio 1:3 upto 20' height		
	(i) First Floor	11/10-c	37340.40 Sft
10	a) 1/2" Thick Cement plaster Ratio (1:4) b) Upto 20' height	11/9-b	100985.23
	ii) 3/4" thick Cement plaster Ratio (1:4) c) Upto 20' height	11/9-b	81326.66

Sr No	Description	Ref	Quantity
	c) 1/2" Thick Cement plaster Ratio (1:4) d) Up to 20' to 30' heights		18404.58 Sft
11	Supplying and filling sand under floor, or plugging in wells	7/30	13570.06 Cft
12	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate). Ratio 1:2:4	6/5-f	4083.60 Cft
13	Dry rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50 mm) gauge.	6/2	11983.46 Cft
14	Supplying and laying polythene sheet over D.P.C under floors and on roofs, etc. 500 gauge (.005" thick)	26/37-s	62512.00 Sft
15	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls Density 32-38 Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, cell structure colored cell) i/c cutting and placing in position, complete in all respect. 1-1/2" thick	9/45b	31256.00
16	Single layer of tiles 9"x4 1/2"x1 1/4" (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.	9/5	31256.00
17	Khuras on roof 2"x2"x6" (600 x 600 x 150 mm)	9/15	40.00 Each
18	Providing and fixing mild steel chowkat of doors, windows, C window, etc including holdfast, making and threading holes for hinges, etc complete. M.S angle iron 1 1/2"x 1 1/2"x 1/4" (40x40x6 mm) welded with M.S. flat 2"x 1/4"	12/14-s	4035.00 Sft
19	Providing and fixing 1 1/2" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1 1/4"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminum kick plate 22 SWG on both sides 5-finger plate complete in all respect.	12/50	2334.00 Sft

Amali
S-F

Abulhasan
A-F

	Description	Ref	Quantity
	Second class tile roofing consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with fabric keeping over 1/2" (12 mm) thick cement plaster 1:4 with 34 lbs per 150 ft or 1.72 Kg/m ² of hot bitumen coating sand blitted, provided over one layer of 12"x12" (300x300 mm) tiles laid in 1:6 cement mortar, including 1:2 cement pointing underneath of tiles complete including curing, etc. Providing and laying topping of cement concrete 1:2.4 including surface finishing and dividing in panels - 1/4" (6 mm) thick. Supplying and laying polythene sheet over D.P.C. under floors and on roofs, 500 gauge (.005" thick)	9/2	873.13 Sft
21	Providing and fixing terrace railing of 2" (50 mm) x4 conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2.75 ft (838 mm) high fixed at 5" (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing	25/35	483.43 Rft
22	Preparing surface and painting with emulsion paint - new surface 3 coats	13/31	166321.09 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, i) new surface Up to 20' height ii) From 20' to 30' height New surface Old Surface	13/32 A	23265.42 15767.52 20420.65 Sft
24	Preparing surface and painting of doors and windows any type (including edges) - new surface 3 coats	13/35- c (+11+1)	10996.00 Sft
25	Providing and fixing sliding bolt to doors - i) iron sliding bolt, 12" (300 mm) long ii) iron sliding bolt, 10" (250 mm) long	12/18- 12/18-	62.00 No 5.00
Civil Work (Non Schedule Item)			
1	Providing & laying 3/4" thick Marble floor Botinal/Asbela (Fancy) of approved quality square shape (12"x12" size) 1:2 cement sand mortar 3/4" thick for laying of marble tiles including rubbing, grinding and polishing, complete in all respects as approved design & pattern and as directed by the Engineer Incharge	NS	28830.50 Sft
2	Providing & Fixing Marble motive in Floor pattern of approved shape & design on PCC (1:2:4) 1 1/2" and 3/4" thick cement plaster ratio (1:3) rubbing, polishing, grinding complete in all respects as approved by the Engineer Incharge	NS	12.00

Shanthi
S.E.

Shanthi
A.E.

Sr. No.	Description	Unit	Quantity
3	Providing and fixing windows consisting of M.S. box section frame 1'x1/2", leaves frame 1'x1/2" box section frame for glazing 1/2"x1/2" using 18 SWG sheet 1/2" shaped rubber supported with 1'x1/4" M.S. bar for fixing 3/16" (3 mm) thick coloured float glass panes 1/2" dia M.S. bar fixed in channel to two part of 1' dia M.S. round wheel for sliding of leaves M.S. box section 1/2"x1/2" of 18 SWG for fixing 24 SWG wire gauge on outer side by means of 1'x1/4" M.S. bar and screws VC all C.P. fitting and painting 3 coats complete in all respects & as approved by the Engineer in charge.	NS	3062.00 Sft.
4	Making and erecting in position MS Grill of MS Box pipe 1/2"x1/2" 18 SWG complete in all respects and duly painted as approved by the engineer incharge.	NS	2660.54 Sft.
5	Making and erecting in position MS Grill Door with M.S box pipe 1.5"x1.5" main frame and M.S Box pipe 1/2"x1/2" 18 SWG for grill, complete in all respects and duly painted as approved by the engineer incharge.	NS	1333.48
6	Providing & Fixing uPVC rubber water stopper of size 3/8"x 10" best quality for jointing of RCC slabs etc complete in all respects.	NS	400.00 Rft.
7	Providing, laying placing & finishing of two coats of wall putty (ICI, Berger Brighto, Master) on finish plaster surface complete in all respects as directed and approved by the Engineer incharge.	NS	166321.09 Sft.
8	Providing & Laying 3/4" thick marble slab Bobina (fancy), size 5'x1'x3/4" of approved quality including 1:2 cement sand mortar 3/4" thick for laying of marble tiles i/c chemical polishing, rubbing & grinding complete and as approved by the Engineer-in-Charge.	NS	1450.00 Sft.
9	Providing & Fixing upvc door complete in all respects as approved by the Engineer Incharge.	NS	1050.00
10	Providing & laying Granite with dry/wet/vened application DWV series Polished (Dark color) class SB 16"x16" size for floor of Master i/c laid in white cement & pigment and on a bed of cement sand mortar 3/4" thick Ratio 1:2 complete in all respects as approved by the Engineer Incharge.	NS	2754.96
11	Providing & laying SP Series on matching color base (Glossy) Dark Color Rectified SB 12"x16" size dado/skirting of Master i/c white cement & pigment and on a bed of laid in 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer Incharge.	NS	14353.60
12	Providing & Fixing false ceiling of Gypsum 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.	NS	3293.00 Sft.

	Description	Ref	Quantity
13	Subsequent carriage of crushed stone aggregate over distance from Sangodha to Barhawanagar R/O Campus at site of work average 276 KM Stone Bafed	T/I	11981.46 CR
14	Providing and fixing 10 in (250 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 & horizontally with drill machine - G.I. sheet, 20 SWG	NS	1402.00 Rft
15	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe handle 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom, hanger rod pipe stainless steel best quality fixed with suitable accessories, hinges, 3-coat painting complete in all respects including aluminum hanger rod etc- as approved by the Engineer incharge	NS	5334.82 Sft
Electrical Work (Schedule Items)			
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jammers and repairing surface, etc. complete with all specials		
	i) 3/4" id (20 mm)	24/3-v	12500.00
	ii) 1" id (25 mm)	24/3-v	13500.00
	iv) 2" id (50 mm)	24/3-v	550.00 Rft
2	Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing or capping/G.I. wire/trenches (rate for cables only) 250/440 volts, PVC insulated		
	i) 3/0.74 mm (3/0.029")	24/10-v	12668.00
	ii) 3/0.91 mm (3/0.036")	24/10-v	34748.00
	iii) 7/0.74 mm (7/0.029")	24/10-v	20125.00
	iv) 7/0.91 mm (7/0.036")	24/10-v	10553.00
	v) 7/1.12 mm (7/0.044")	24/10-v	2208.00
	vi) 7/1.63 mm (7/0.064")	24/12-v	6677.00 Rft
Electrical Work (Non-Schedule)			
1	Supply & installation of LED 2x2' Ceiling Panel Light 40W (220V- 5500K) its any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips RCOLED 40S/805 or Equivalent)	NS	128.00 No
2	Supply & installation LED flood light 100 watt Philips quality including casing bracket, hanging arrangement complete in all respects as approved by the Engineer incharge	NS	24.00 No
3	Supply & installation of LED 17W Down Light (Surface Mounted 220V-) its any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips Essential or Equivalent)	NS	300.00
4	Supply & installation of Strip (batt) with 20W Led tube rod (220V- 5500K) its any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips or Equivalent)	NS	350.00

Sl No	Description	Ref	Quantity
6	Supply & installation of Metal Body Wall Bracket Fan 24" (85 80% Copper) in any accessories i.e. wiring of mounting holes and a cover of wall hole 1/2" dia. as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Bk Incha of Equivalent)	NS	12.00
7	Supply & installation of 2 x 2" Fume Ceiling Fan 14" (85 80% Copper) in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Bk Incha of Equivalent)	NS	30.00
7	Supply & installation of Ceiling Fan 16" (85 80% Copper) in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fume Ceiling, Fume Ceiling, Fume Ceiling or Equivalent)	NS	107.00 No
8	Supply & installation of Metal body Exhaust fan 20" (85 80% Copper) with metal mounting frame. Vc any accessories i.e. screw, Raw plug or steel nut, etc. as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fume Ceiling, Fume Ceiling or Equivalent)	NS	5.00 No
9	Supply & installation of PVC Exhaust fan 12" (85 80% Copper) in any accessories i.e. screw, Raw plug or steel nut, etc. as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Fume Ceiling, Fume Ceiling or Equivalent)	NS	10.00 No
10	Supply and installation of Stainless Steel/Aluminum Exhaust Hood with exhaust fan (170W) and 4 x 20W halogen lamp in any other accessories required at site. Complete in all respect as approved by Engineer Incharge (Cando-HD-Q19011 or Equivalent)	NS	1.00 No
11	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 2" x 3" in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	NS	57.00 No
12	Supply & installation of a Power plug 15A with plastic back box 2" x 3" in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	NS	9.00 No
13	Supply & installation of a Fast Dimmer 300W with plastic back box 2" x 3" in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	NS	8.00 No
14	Supply & installation of a Single Pole Switch Plate with plastic back box 2" x 3" in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	NS	4.00 No
15	Supply & installation of a Double Single Pole Switch Plate with plastic back box 2" x 3" in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	NS	3.00 No
16	Supply & installation of a Four Single Pole Switch Plate with plastic back box 2" x 3" in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	NS	7.00 No
17	Supply & installation of a Six Single Pole Switch Plate with plastic back box 2" x 3" in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	NS	4.00 No
18	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 2" x 3" in any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	NS	5.00 No

6-7

18

	Description	Rate	Quantity
	Supply & installation of a Free Stage Pile Switch & Free 3 Ph. Switch frame with plastic rack size 750" x 450" as per enclosed required at site. Complete in all respects as directed and approved by the Engineer in charge. (Pile Switch Series 100 or equivalent)	NS	8.00 No.
20	Supply, installation and commissioning of Sub Main (distribution) from M.S. steel frame 18 25x10 (14" x 24") heavily enclosed container type. With main incoming & sub main out going power conductors. Neutral wiring for connections between main MCCB and sub main MCCBs. Also including earthing bar, neutral bar suitable for system voltage 415 V, 50 Hz, 3 Phase. Body of Main C.B. shall be degreased and de-rusted having one coat of anti-rust paint with further 2 coats of powder paint of approved color and shall be equipped as mentioned herein including coat of all necessary undercoat required at site. All Drawings to be submitted shall be of one sheet only. Make Legrand (Make or Equivalent) (180 A, TP Main incoming MCCB 21 No. 1000 Amps, 10P Sub main out going MCCBs 24 Nos. Digital Voltmeter (2" x 2") 10 Nos. Neon phase indicator lights 20 Nos etc). Complete in all respects as approved by the engineer in charge (for MCCB & MCCBs Make: Schneider Electric, Legrand or equivalent). a) CB Including 1-180 Amps TP MCCB 3-Digital Voltmeter (2"x2") 3-Neon phase light Outgoing 24-1000 Amps 10P MCCBs	N.S	8.00
21	Providing and Laying earthing for Electric Machines 1/2 boring up to medium level (up to 50' below ground level) 4" dia including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1" No. bare copper wire of No. 8 SWG to be run in PVC pipe 20mm dia. 11" x 10 G.I pipe 5' long, G.I tee & plug for watering also includes common salt, Lark (slaked) and charcoal around copper strip for connecting with Electric machines. Complete in all respects as approved and as directed by the engineer in charge.	NS	8.00 No.
22	Providing & Fixing main power panel board for 3-phase motor of water supply magnetic controller 35 Amp TP power factor capacitor CT temperature control sensor; power button etc complete in all respects as approved by the Engineer in charge.	NS	1.00 No.
23	Providing & Fixing of Golden Electric Pump 3.0 H.P. for Water supply including connection & testing with M5 steel safety box for electric pump in working condition, complete in all respects as approved by the Engineer in charge.	NS	2.00 No.
24	Providing & Fixing Fan hook popular or equivalent quality with PVC fan hook cover sheet 8" dia	N.S	114.00 No.
Plumbing Work (Schedule Items)			
1	Providing and fitting glazed earthen ware water closet, squatting type (Onsa pattern), combined with foot rest. Colored	19/3.8	22.00 No.
2	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. a) colored, with pedestal	19/6.11	5.00 No.
1	Providing and fixing chromium plated bib cock - a) 1.5 cm (1/2")		61.00 No.

Amishi
S-E

Abbas
S-E

Sr No	Description	Ref	Quantity
4	Providing and fitting plastic made, low down flushing cistern 13.63 liter (3 gallons) capacity, including bracket set, copper connector, etc. complete i) colored	19/12	22.00 No.
5	Providing and fixing stainless steel sink with drain board, size 120x80 cm (48"x24") including bracket set, waste pipe and waste coupling.	19/7	2.00 No.
6	Providing and fixing chromium plated tee stop cock, 15mm (3/4").	19/24	77.00 No.
7	Providing and fixing chromium plated pillar cock, heavy. i) 2 cm (3/4")	19/23	4.00 No.
8	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	19/29	27.00 No.
9	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe in trenches: complete in all respects: PN-8 (SDR-21) 4" (110mm).	23/42 a-h	150.00 Rft
10	Providing and fitting: i) plastic soap dish ii) plastic toilet paper holder iii) plastic towel rail iv) plastic shelf (24"x5") with bracket and railing.	19/22	12.00 12.00 12.00 12.00 No.
Plumbing Work (Non Schedule)			
1	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline for hot & cold (Polypropylene random copolymer) water supply complete in all respects, i/c specials such as coupler, reducing socket, elbow, end caps, male/female, threaded, fittings, like tease, adaptors to connect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site Master/Beta/Dadex (For internal wiring of bathrooms)		
	i) 1/2" i/d (25 mm o/d)	N.S	592.82
	ii) 3/4" i/d (32 mm o/d)	N.S	1495.00
	iii) 2.5" i/d (63 mm o/d)	N.S	1274.50
			Rft
2	Providing, laying, fixing and testing uPVC plain ends socketed pipes Soil Waste, vent & rain water as per approved make & quality including uPVC fittings with solvent cement jointing or rubber ring joints complete in all respects i/c clamps, tees, Y-tees, Cowl reducers, clean out WC- Elbow Adaptor etc complete in all respects 4" dia pipe	N.S	1958.18 Rft

Brandy S.E

Robert A.E

	Description	Ref	Quantity
	Providing & Fixing Earthenware Couple set including Flush Tank fixed with Commode, Bakelite Sheet Cover Flush Tank fixed with Commode, Bakelite Sheet Cover Thimble, Connection Pipe Complete in all respects as required and approved by the Engineer Incharge (Pota Bosh)	N.G	5.00 No
4	Providing & Fixing Muslim shower with double bib cock with one meter flexible pipe complete unit in function and as complete in all respects as approved by the Engineer Incharge (Sonex/Master/Faisal)	N.G	5.00 No
5	Providing & Fixing Bath set (GA-COMplete SETS (8 PCS) 1/2" (CP) Casplan Set (30838) P complete in all respects as approved by the Engineer Incharge (Master/Faisal/Equivalent)	N.S	29.00 No
6	Providing & Fixing looking glass 5 mm thick best quality including aluminum frame 2'x1' complete in all respects	N.S	60.00 Slt
7	Providing & Fixing counter basin colored best quality including waste pipe and waste coupling etc as approved by the engineer in charge	N.S	24.00 No
8	Providing & fixing floor trap Jali Stainlesssteel complete in all respect and as approved by the Engineer Incharge	N.S	40.00 No
9	Providing & fixing floor trap Jali plastic complete in all respect and as approved by the Engineer Incharge	N.S	38.00 No
10	Providing & Fixing super Tuff Imported quality Water Tank 1000 Gallon capacity placing on the top of roof of the Building including Treatment with Jumbolan arrangement for Heat & Cold proofing & in working condition complete in all respects and as approved by the Engineer Incharge	N.S	4.00
11	Providing & Fixing Stop valve PPRC complete in all respects as approved by the Engineer Incharge a) 32 mm old b) 63 mm old	N.S	4.00 4.00
12	Providing & Fixing UPVC P-Trap -4" best quality, connecting with pipe, wt. Tee, Elbow, socket etc as required at site, fixing with PCC 1:2:4 as approved by the Engineer Incharge	N.S	65.00 No

3-5

1/5

The Islamia University of Bahawalpur
 Construction of Academic Block (1st Floor Remaining portion) of IUB Sub Campus at
 Bahawalnagar
 Estimate Based on MRS 01 January 2020 to 30 June , 2020 BWN
 Estimate

A)	Civil Work	Rs.	26,902,966.50
I	Schedule Items	Rs.	7,594,191.71
II	Non-Schedule Items	Rs.	34,497,158.21
	Total of Civil Work:		
B)	Electrical Work	Rs.	4,382,508.30
I	Schedule Items	Rs.	3,365,705.20
II	Non-Schedule Items	Rs.	7,748,213.50
	Total of Electrical Work		
C)	Plumbing Work	Rs.	243,881.05
I	Schedule Items	Rs.	1,531,524.93
II	Non-Schedule Items	Rs.	1,775,405.98
	Total of Plumbing Work		
Total of (A,B,C) Rs.			44,020,777.69
Add 5 % PST			2,201,038.88
Grand Total			46,221,816.57

Coverd Area
 Rate P/Sft Rs

15,200.00 Sft
 3,040.91



Sub Engineer,



Assistant Engineer,



Executive Engineer,

Approved

Technicaly Sanctioned Rs: 46,221,817.00


 Project Director

The Islamia University of Bahawal
Construction of Academic Block (1st Floor Remaining portion)
Bahawalnagar
Estimate

Sr No.	Description	Ref	Quantity
	Civil Work (Schedule Item)		
1	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	4/20	3315.34
2	Dismantling brick work in lime or cement mortar.	4/13	2021.50 Ch
3	Dismantling 1st class tile roofing.	4/22 a	15047.19 SR
4	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, extra, 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:- B i) First Floor (nominal mix 1:1½:3) ii) First Floor (nominal mix 1:2:4) iii) 2nd Floor (nominal mix 1:2:4)	6/6-a-2c	12194.43 286.66 2825.00 Ch
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 (i) 60-Grade (ii) 40-Grade	6/9-c 6/9-b	54502.51 877.70 Kg
6	Spraying anti-termite liquid mixed with water in the ratio of 1:40	26/42	11439.30 SR
7	Pacca brick work in Cement, sand mortar - Ratio 1:4 Ground Floor (i) First Floor (ii) 2nd Floor	7/5	14813.82 Ch 1599.84 Ch
8	First class brick walling laid in 1:3 cement sand mortar reinforced with 1" (25 mm) wide 16 gauge hoop iron -4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart.	7/21 ii	3830.84 SR
9	3/8" thick cement plaster under soffit of RCC roof slabs Ratio 1:3 upto 20' height (i) First Floor	11/10-b	15175.81 SR
10	a) 1/2" thick Cement plaster Ratio (1:4) i) Upto 20' heights b) 3/4" Thick Cement plaster Ratio (1:4) i) Upto 20' height ii) Upto 20' to 30' heights	11/9-b 11/9-b	14824.70 17938.55 SR 3665.28 SR

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Sr No	Description	Ref.	Quantity
11	Supplying and filling sand under floor, or plugging in wells.	7/30	7228.44 Cft
12	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:2:4	6/5-1	2337.02 Cft
13	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	6/2	10515.43 Cft
14	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	26/37-b	30264.78 Sft
15	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation/Foam Board on roof or walls. Density 32-38 Kg/M, compressive strength 250-400 kpa, R-value 5 per inch thickness and water absorption (1% by volume, cell structure colored cell) i/c cutting and placing in position, complete in all respect. 1-1/2" thick	9/45b	15132.39
16	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhooosa, 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.	9/5	15132.39
17	Khuras on roof 2"x6" (600 x 600 x 150 mm)	9/15	6.00 Each
18	Providing and fixing mild steel chowkat of doors, windows, C window, etc. including holdfast, making and threading holes for hinges, etc. complete. M.S. angle iron 1½"x 1½"x ¼" (40x40x5 mm) welded with M.S. flat 2"x ¼"	12/14-a	1037.00 Sft
19	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 aluminum kick plate 22 SWG on both sides & finger plate complete in all respect.	12/50	817.00 Sft
20	Second class tile roofing consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leaping over ½" (13 mm) thick cement plaster 1:6 with 34 lbs per %Sft or 1.72 Kg/sq m of hot bitumen coating sand blinded, provided over one layer of 12"x6"x2" (300x150x50 mm) tiles laid in 1:6 cement mortar, including 1:2 cement pointing underneath of tiles complete including curing, etc. Providing and laying topping of cement concrete 1:2:4 including surface finishing and dividing in panels - 1½"(40 mm) thick. Supplying and laying polythene sheet over D.P.C. under floors and on roofs, 500 gauge (.005" thick)	9/2	635.17 Sft

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	Description	Ref	Quantity
	Providing and fixing terrace railing of 2" (50 mm) i/d conduit pipe 16 SWG, welded with 5/8"x5/8" (16x16 mm) square bar 2 7/8" (83.8 mm) high fixed at 6" (125 mm) centre to centre on reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing	25/35	256.00 Rft
22	Preparing surface and painting with emulsion paint - new surface 3 coats	13/31	50094.15 Sq
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) Up to 20' height a) From 20' to 30' height New surface Old Surface	13/32-A	4511.00 5155.28 7377.25 Sq
24	Preparing surface and painting of doors and windows any type (including edges) - new surface 3 coats	13/5-c (H+H)	2075.00 Sq
25	Providing and fixing sliding bolt to doors - i) iron sliding bolt, 12" (300 mm) long ii) iron sliding bolt, 10" (250 mm) long	12/18-ii 12/18-i	35.00 No 10.00 No
26	Cement concrete brick or stone ballast 1 1/2" to 2" (40 mm to 50 mm) gauge, in foundation and plinth - Ratio 1 : 6 : 12	6/3	929.61 Cft
27	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% Colored 60 mm thick	10/43-b	2817.02 Sq
Civil Work (Non Schedule Item)			
1	Providing & laying 3/4" thick Marble floor-Botona/Lasbela (Fancy) of approved quality, square shape (12"x12" size) 1:2 cement sand mortar 3/4" thick for laying of marble tiles including rubbing grinding and polishing, complete in all respects as approved design & pattern and as directed by the Engineer-Incharge	NS	13818.74
	Providing and fixing windows-consisting of M.S. box section frame 3"x1 1/2", leaves frame 1-1/4"x1" box section frame for glazing 1/2"x1/2" using 16 SWG sheet U shaped rubber supported with 1"x1/4" M.S. flat for fixing 3/16" (5 mm) thick coloured tinted glass panes 1/2" dia M.S. bar fixed in channel i/c two pair of 1" dia M.S. round wheel for sliding of leaves M.S. box section 1/2"x1/2" of 16 SWG for fixing 24 SWG wire gauze on outer side by means of 1"x1/4" M.S. flat and screws i/c all C.P. fitting and painting 3 coats complete in all respect & as approved by the Engineer in charge	NS	968.50
2	Making and erecting in position MS Girt of MS Box pipe 1/2"x1/2", 18 SWG complete in all respects and duly painted as approved by the engineer incharge	NR	841.52 Sq
3	Providing & Fixing uPVC rubber water stopper of size 3/8" x 10" best quality for jointing of RCC slabs etc complete in all respects	NS	100.00 P/Rft

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Sr No	Description	Ref.	Quantity
4	Providing, laying plaster & finishing of two coats of wall putty (OC), Burger Brighto, Master) on finish plaster surface complete in all respects as directed and approved by the Engineer incharge.	NS	58004.16 Sq
5	Providing & Fixing Marble motive in floor pattern of approved shape & design on PCC (1:2:4) 1 1/2" and 3/4" thick cement plaster ratio (1:3) rubbing, polishing, grinding complete in all respects as approved by the Engineer incharge.	NS	4.00 No
6	Providing & Laying 3/4" thick marble slab Boticina (fancy) size 5'x1'x3/4" of approved quality including 1:2 cement sand mortar 3/4" thick for laying of marble tiles i/c chemical polishing, rubbing & grinding complete and as approved by the Engineer in-Charge	NS	450.00 Sq
7	Providing & laying Granite with dry/wet/vened application DWV series Polished (Dark color) class SB 16"x16" size for floor of Master i/c laid in white cement & pigment and on a bed of cement sand mortar 3/4" thick Ratio 1:2 complete in all respects as approved by the Engineer incharge.	NS	523.66
8	Providing & laying SP Series on matching color base (Glossy) Dark Color Rectified SB 12"x18" size - dado/skirting of Master i/c white cement & pigment and on a bed of laid in 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the Engineer incharge.	NS	4330.45
9	Providing & Fixing uPVC door 1'25" thick wooden color i/c hinges, door handle with locking arrangement complete in all respects.	NS	250.00
10	Providing & Fixing false ceiling of Gypsum 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.	NS	2150.00 Sq
11	Subsequent cartage of crushed stone aggregate total distance from Sargodha to Bahawalnagar IUB Campus at site of work average 278 KM Stone Ballast	NS	11445.04 Cft
12	Providing and fixing 10 in (250 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 & horizontally with drill machine. - G.I. sheet, 20 SWG	NS	450.00
Electrical Work (Schedule Items)			
1	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jammers and repairing surface, etc., complete with all specials.		
	(i) 3/4" dia (20 mm)	24/3-i	7500.00 Rft
	(ii) 1" dia (25 mm)	24/3-ii	12825.00 Rft
	(iii) 1.5" dia (40 mm)	24/3-iii	14589.00 Rft
	(iv) 2" dia (50 mm)	24/3-iv	350.00 Rft
2	Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing or capping/G.I. wire/trenches (rate for cables only) 250/440 volts, PVC insulated		

No.	Description	Qty	Unit	Rate	Amount
	30.81 mm (7/0.037)				
	7/0.74 mm (7/0.029)				
	7/0.91 mm (7/0.036)				
	7/1.12 mm (7/0.044)				
2	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in pre-laid G.I. pipe/M.S. conduit/ PVC pipe/G.I. wire trenches, etc. (rate for cable only) (i) 15/1.53 mm (15/0.064) (ii) 7/1.63 mm (7/0.064)	24/12-4 24/12-4		1950.00 2850.00	RR RR
4	Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire trenches, etc. (rate for cable only) - PVC insulated, PVC sheathed 4 core, 660/1100 volt non armored cable - 7/1.63 mm (7/0.064)	24/13-4		3150.00	RR
5	Supply and erection of 3-pin switch and plug combined, recessed type - 10/15 Amp	24/35-4		20.00	No
6	Supply and erection of ceiling rose - bakelite	24/30		36.00	No
Electrical Work (Non-Schedule)					
1	Supply & installation of LED 2x2' Ceiling Panel Light 40W (220V-), 6000K) w/ any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips RCOBLED 40S-60S or Equivalent)	NS		12.00	No
2	Supply & installation LED flood light 100 watt Philips quantity including ceiling bracket, gasket and support hardware as per details as approved by the Engineer incharge.	NS		12.00	No
3	Supply & installation of LED 17W Down Light (Surface Mounted, 220V-) w/ any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips Essential or Equivalent)	NS		150.00	No
4	Supply & installation of LED Ceiling Light 17W (recessed type, 220V-) w/ ceiling hooks to install in false (any type) w/ any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips Essential or Equivalent)	NS		24.00	No
5	Supply & installation of Strip Light with 20W Led tube rod (220V-), 5500K) w/ any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips or Equivalent)	NS		150.00	No
6	Supply & installation of Metal Body Wall Bracket Fan 24" (91.99% Copper) w/ any accessories (i.e. wiring of mounting holes and 4 screws of metal body) etc. as required at site. Complete in all respect as directed and approved by the Engineer incharge (50" make or Equivalent)	NS		12.00	No
7	Supply & installation of 2 x 2' False Ceiling Fan 14" sweep (91.99% Copper) w/ any accessories (i.e. wiring of mounting holes and 4 screws of metal body) etc. as required at site. Complete in all respect as directed and approved by the Engineer incharge (Floyd-Deluxe or Equivalent)	NS		16.00	No
8	Supply & installation of Ceiling Fan 56" (91.99% Copper) w/ any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Younis-Deluxe, Tamed-Deluxe, Fowler-Deluxe or Equivalent)	NS		90.00	No
9	Supply & installation of Metal Body External Fan 20" (91.99% Copper) with metal mounting frame, w/ any accessories (i.e. screws, Brass plug/wall bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer incharge (Floyd-Deluxe or Equivalent)	NS		5.00	No

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Sr. No.	Description	Ref.	Quantity
10	Supply & Commissioning of 1000Watt Fan 12" (20A 50% Copper) in any room/area in a school. (Back box in steel box etc.) as directed at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	3.00 No
11	Supply & installation of Universal 3-Pole Switch with 15A Switch with plastic back box 3"x3" i/c any accessories required at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	3.00 No
12	Supply & installation of a Power plug 15A with plastic back box 3"x3" i/c any accessories required at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	32.00 No
13	Supply & installation of a Fan 1000W with plastic back box 3"x3" i/c any accessories required at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	90.00 No
14	Supply & installation of a Single Pole Switch Plate with plastic back box 3"x3" i/c any accessories required at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	10.00 No
15	Supply & installation of a Double Single Pole Switch Plate with plastic back box 3"x3" i/c any accessories required at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	10.00 No
16	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x3" i/c any accessories required at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	10.00 No
17	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x6" i/c any accessories required at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	10.00 No
18	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x6" i/c any accessories required at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	10.00 No
19	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x6" i/c any accessories required at site. Complete in all respects as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	NS	10.00 No
20	Supply, installation and commissioning of Sub Main Distribution Board of M.S. steel sheet 18 SWG (18" x 24"). Totally enclosed concealed type. With main incoming & sub main out going circuit breakers, internal wiring for connections between main MCCB and sub main MCBs. Also including earthing bar, neutral bar, suitable for system voltage 415 V, 50 Hz, 3 Phase. Body of Main D.B. shall be degreased and de-rusted having one coat of anti-rust paint with further 2 Coats of powder paint of approved colour and shall be equipped as mentioned below, including cost of all necessary materials required at site. All Breakers to be installed shall be of one make only, Make Legrand (Made in France). (100 A: TP Main incoming MCCB 01 No, 10/20 Ampere 5P Sub main out going MCBs 24 No's, Digital Voltmeter (2" x 2") 03 No, Neon phase indicator lights 03 No's etc). Complete in all respects as approved by the engineer incharge (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent)	NS	5.00
	a) DB Incoming 1-125 Amps TP MCCB 3-Digital Voltmeter (2"x2") 3-Neon phase light	NS	3.00
	Providing and Laying earthing for Electric Machines i/c boring up to moisture level (up to 60" below ground level) 4" i/c 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. 1/2" 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	NS	3.00

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6.12	Description	Ref.	Quantity	F
	Plumbing Work (Non Schedule)			
	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline 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, adaptors to concrete polydex pipes to other pipe and shower, waste basin, bibcock etc. as required at site (For internal wiring of bathrooms)			
	i) 1/2" i/d (25 mm o/d)	N.S.	175.00 Rft	
	ii) 3/4" i/d (32 mm o/d)	N.S.	475.00	
	iii) 2.5" i/d (63 mm o/d)	N.S.	1274.50 Rft	
2	Providing, laying, fixing and testing uPVC plain ends socketed pipes Soil Waste, vent & rain water as per approved make & quality including uPVC fittings with solvent cement jointing or rubber ring joints complete in all respects i/c clamps, tees, Y-tees, Cowl reducers, clean-out WC- Elbow Adopter etc complete in all respects. 4" dia pipe	N.S.	650.00 Rft	
3	Providing & Fixing Earthenware Couple set including Flush Tank fixed with Commode, Bakelite Sheet Cover Thimble, Connection Pipe Complete in all respects as directed and approved by the Engineer incharge. (Porta/Bosch)	N.S.	4.00 No	
4	Providing & Fixing Muslim shower with double bib cock with one meter flexible pipe complete unit in function and as directed by the Engineer Incharge. (Master/Faisal)	N.S.	4.00 No	
5	Providing & Fixing locking glass 5 mm thick best quality including aluminum frame 2'x1' complete in all respects	N.S.	60.00 Sft	
6	Providing & fixing floor trap Jali Stainlesssteel complete in all respect and as approved by the Engineer Incharge	N.S.	31.00 No	
7	Providing & Fixing super Tuff imported quality Water Tank 1000 Gallon capacity placing on the top of roof of the Building including Treatment with Jumbolan arrangement for Heat & Cold proofing & in working condition complete in all respects and as approved by the Engineer Incharge	N.S.	4.00	
8	Providing & Fixing Stop valve PPRC 50mm complete in all respects as approved by the Engineer Incharge a) 32 mm o/d b) 63 mm o/d	N.S.	4.00 4.00	
9	Providing & Fixing Floor trap jali plastic colored complete in all respects	N.S.	10.00 No	
10	Providing & Fixing UPVC P-Trap 4" best quality, connecting with pipe, wc, Tee, Elbow, socket etc. as required at site, fixing with PCC 1:2:4 as approved by the Engineer Incharge	N.S.	44.00	

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Sr. No.	Description	Ref.	Quantity
22	Providing & fixing main power panel board for 3-phase motor of water supply magnetic controller 35 Amp TPI power factor capacitor CT temperature control sensor, power button etc complete in all respects as approved by the Engineer incharge.	NS	1.00 No
23	Providing & Fixing of Golden Electric Pump 3.0 H.P for Water supply including connection & testing with MS Steel safety box for electric pump in working condition, complete in all respects, as approved by the Engineer incharge.	NS	2.00 No
24	Providing & Fixing Fan hook popular or equivalent quality with PVC fan hook cover sheet 8" dia.		90.00 No
Plumbing Work (Schedule Items)			
1	Providing and fitting glazed earthen ware water closet squatter type (Orisa pattern), combined with foot rest. Colored	19/3.ii	10.00 No
2	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) colored, with pedestal	19/6.ii	14.00 No
3	Providing and fixing chromium plated bib cock - ii) 1.5 cm (1/2")		13.00 No
4	Providing and fitting plastic made low down flushing cistern 13.63 liter (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) colored	19/12.ii	10.00 No
6	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	19/7	1.00 No
6	Providing and fixing chromium plated tee stop cock 15mm (1/2")	19/24.ii	36.00 No
7	Providing and fixing glazed earthen ware flat back urinal.	19/10	6.00 No
8	Providing and fixing chromium plated pillar-cock, heavy:- ii) 2 cm (3/4")	19/23.i	14.00 No
9	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	19/29	1.00 No
10	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe in trenches, complete in all respects -PN-8 (SDR-21) 4" (110mm)	23/42.a.i	850.00 Rft
11	Providing and fixing, chromium plated toilet paper holder.	19/17	4.00
12	Providing and fitting: i) plastic soap dish ii) plastic toilet paper holder iii) plastic towel rail iv) plastic shelf (24"x6") with bracket and railing	19/22	4.00 4.00 4.00 4.00 No

Dr. S. F.

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The Islamia University of Bahawalpur

Upgradation of Jamia Masjid & External Walk Way at Baghdad-ul-Jadeed Campus
Estimate Based on MRS Jan to Jun, 2020

ABSTRACT OF COST

A) Extension of Building

a) Schedule Items

i) Civil Work

Rs. 5,304,733.00

ii) Electrical Work

Rs. 1,913,313.00

Total of "a"

Rs. 7,218,046.00

b) Non-Schedule Items

i) Civil Work

Rs. 10,074,410.00

ii) Plumbing Work

Rs. 1,385,542.00

iii) Electrical Work

Rs. 6,919,077.00

Total of "b"

Rs. 18,379,029.00

Total A (a + b)

Rs. 25,597,075.00

B) External Development

i) Civil Work

Rs. 4,554,181.00

ii) Civil Work (Non-Schedule)

Rs. 2,593,520.00

iii) Electrical Work

Rs. 191,433.00

iv) Electrical Work (Non-Schedule)

Rs. 4,273,697.00

Total B

Rs. 11,612,831.00

Total (A + B)

Rs. 37,209,906.00

Add 05% Punjab Sales Tax


Rs. 1,860,495.00

Grand Total

Rs. 39,070,401.00


Sub-Engineer


Assistant Engineer


Executive Engineer

Technically Sanctioned for Rs.39,070,401.00


Project Director

The Islamia University of Bahawalpur

Upgradation of Jamia Masjid & External Walk Way at Bahawalpur

Civil Work

Rate	Description	Quantity
3/21/6	Excavation in foundation of building, bridges and other structures including dog-baiting, dressing, refilling around structure with excavated earth, watering and sunning (if upto 6 ft. in ordinary soil)	15000.00 Cft
2	Cement concrete brick or stone ballast 1 1/2" to 2" (40 mm to 50 mm) gauge, in foundation & plinth	
6/3-a	i) Ratio 1:4:8	1200.00 Cft
	ii) Ratio 1:6:12	3600.00 Cft
3	7/4 Placed brick work in foundation & plinth with cement sand mortar (1:6)	5540.00 Cft
4	3/15 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	13000.00 Cft 12665.00 Cft
5	7/5 Placed Brick work in Ground Floor with cement sand mortar i) Ratio 1:5 ii) Ratio 1:3	2200.00 Cft 1200.00 Cft
6	6/9 Fabrication of mild steel reinforcement for cement concrete, i.e. 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) 40-Grade	1500.00 Kg
7	6/8 Reinforced cement concrete in roof slab, beams, columns, lintels, girders and other structural members laid in situ or precast laid position, or prestressed members cast in situ, complete in all respects Type B (nominal max 1:1.5:3) Type C (nominal max 1:2:4)	1200.00 Cft 1500.00 Cft
8	11/10 Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only upto 20' height 1:3	6000.00 Sft
9	11/9b Cement plaster upto 20' (6.00 mm) height 1/2" (13 mm) thick i) Ratio 1:4	12000.00 Sft
10	7/30 Supplying and filling sand under floor, or plugging in wells	1500.00 Cft
11	10/42 Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1 1/2' x 3/8'	1800.00 Rft
12	13/5 Painting door and window any type on new surface 3 coats	3800.00 Sft
13	10/15 Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 2" (50 mm) thick	2000.00 Sft
14	6/5f Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1:2:4	450.00 Cft

Sl. No.	Description	Quantity
102	Dry rained brick or stone (least 110' to 2" (40 mm to 50 mm) gauge	2000.00 CR
1331	Preparing surface and painting with white wash paint - 2 coats	22000.00 SH
1332	Priming and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect bid surface	12000.00 SH
449	Scraping Ordinary distemper, oil bound distemper, or paint of wall	2000.00 SH
25/10 + 11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, riveting, handling, assembling and fixing, including erection in position	750.00 Kg
2553	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using deluxe sections of M/s Al-Cop or Pakistan Cables having frame size of 100 x 20 mm (4"x1") and leaf frame sections of 50 x 20 mm (2"x1/2"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard hinges, hardware etc., as approved by the Engineer in-charge. 1.6mm thick	180.00 SH
1008	Coloured glazed tile dado 1/4" (6mm) thick in pigment over 1:2 cement sand mortar 3/4" (20mm) thick including finishing	2000.00 SH
1 N.S	Civil Work (Non-Schedule) Providing and fixing Door Lock (RW-45 MSN Royalward) including all hardware being best quality complete in all respect as approved by Engineer	10.00 No
2 N/S	Providing & Fixing false ceiling of Gypsum 8mm thick including all accessories, network & hardware etc complete in all respects as per approved design and sample and as directed by the engineer incharge	4500.00 SH
3 N.S	Providing and laying Marble Slab (Sun white) 1" thick (2'x4' size) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2 including grinding & chemical polishing complete in all respects as approved by Engineer incharge	11000.00 SH
4 N.S	Providing and fixing all types of Double glazed aluminium windows of anodized bronze colour partly fixed and partly sliding using deluxe section of M/s AL-Cop or 101mm x 41mm x 2mm using frame (70501) at bottom, (70502) at top and side Pakistan cables/AL-Cop having frame of size 31mm x 50mm x 2mm (70506) at top & bottom and size 35mm x 60mm x 2mm (70505) at center and size 35mm x 60mm x 2mm (70503) at sides, Jali leaf frame 70505 size 45mm x 14mm x 1.6mm i.e fine quality aluminium jali having double glass 5mm thick brown tinted tempered + 12mm thick air space + 5mm thick clear tempered glass with rubber gas ket using	

Sl. No.	Description	Quantity	Rate
	Approved standard lockers, wheel, stopper, brush chemical single joint and hardware etc complete in all respect as approved by the engineer incharge	1000.00	Sft
5	N.S. Providing & laying 3/8" thick marble dado/skirting (Shik white) of approved quality including 1:2 cement sand mortar 3/4" thick for laying of marble tiles to rubbing grinding and wax polishing complete in all respects as per drawings and specifications	450.00	Sft
6	N.S. Providing & Fixing 3/8" Thick Marble Pats (2" to 4" wide) with floating coat of cement over a bed of 3/4" thick cement sand mortar 1:2 over 1.5" 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	2000.00	Sft
7	N.S. Providing and fixing MS sheet door frame size 10x13 6" wide & 1.5" thick of 14 SWG for main frame and 6" wide & 1.5" thick of 16 SWG for arch portion. MS flat size 2"x1/4" for bottom and MS flat 1.50"x1/8" for face work of arch fixed with MS sheet of 16 SWG and pipe of 1/2"x1/2" for fixing of glazed panes using with MS flat 1/2"x1/8" for support and fixing of MS sheet complete including holdfast, hinges, screws, handle sliding bolts, painting 3 coats, glass panes 4mm, locking arrangements and all accessories required at site complete in all respects as directed and approved by the Engineer Incharge	390.00	Sft
1	Plumbing Work (Non-Schedule) N.S. Providing, laying, fixing and testing uPVC Soil Waste vent & rain water down pipe "NIKASI PIPES Duraft/Beta/Pak Arab/Equalvent" 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 Adapter etc. Complete in all respects and as approved by Engineer Incharge		
	i) 4" dia	200.00	Rft
	ii) 6" dia	350.00	Rft
	iii) 8" dia	500.00	Rft
2	N.S. Providing and laying, cutting, jointing, testing and disinfecting PPRC pipe line (M/S Minhas Pvt Ltd) 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, adaptors to connect polydex pipes to other pipe and shower, wash basin, bibcock etc. Complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.		
	i) PPRC pipe 32 mm dia	450.00	Rft
	ii) PPRC pipe 40 mm dia	700.00	Rft
	iii) PPRC pipe 63 mm dia	350.00	Rft
	iv) PPRC pipe 110 mm dia	200.00	Rft
3	N.S. 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) PPRC Gate Valve 32 mm	6.00	No

#	Description	Quantity	
	i) PPRC Gate Valve 40 mm	4.00	No
	ii) PPRC Gate Valve 63 mm	4.00	No
5	N.S Providing & Fixing uPVC T ^h trap 4" dia complete in all respect as approved by the Engineer incharge.	10.00	No
6	N.S Providing & Fixing PVC Bib Cock Vc CP niple of suitable size best quality complete in all respect as per specifications and drawings and as approved by the Engineer incharge	100.00	No
7	N.S Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer incharge.	10.00	No
Electrical Work			
1	24/10 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")	4000.00	Rft
	ii) 7/0.74 mm (7/0.029")	3500.00	Rft
	iii) 7/1.12 mm (7/0.044")	2000.00	Rft
	iv) 7/1.63 mm (7/0.064")	1200.00	Rft
2	24/13 Supply and erection of copper conductor cables for service connection in prelaid pipe/G.I. wire/trenches etc. (rate for cable only):-		
	b) i) PVC insulated, PVC sheathed 3 core, 660/1100 volt cable - 7/1.12 mm (7/0.044")	7000.00	Rft
	c) ii) PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable - 7/1.12 mm (7/0.044")	1250.00	Rft
	d) iii) PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG		
	a) 19/1.63 mm (19/0.064")	300.00	Rft
	b) 19/2.11 mm (19/0.083")	180.00	Rft
3	24/4 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:-		
	i) 25 mm i/d	4000.00	Rft
	ii) 50 mm i/d	1000.00	Rft
4	24/7 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:-		
	i) 80 mm i/d	400.00	Rft
	ii) 100 mm i/d	100.00	Rft

Ref #	Description	Quantity	
	Electrical Work (Non-Schedule)		
1	N.S Supply & installation of LED 2' x 2' Ceiling Panel Light 30W (220V~ CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 360/865 PBU W50L60 GM G2 or Equivalent)	72.00	No
2	N.S 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
3	N.S Supply & installation of 2' x 2' False Ceiling Fan 14" swipo (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)	90.00	No
4	N.S Supply and Installation of Heat and Cool Split DC Inverter Air-conditioner 2.0 Ton (24000BTU) complete with Installation Kit (Supplied with Thermal insulated Copper pipe) i/c any other accessories required at site. Complete in all respects as approved by Engineer Incharge (PEL fit PINV-24k, Gree, Diakan or Equivalent)	7.00	No
5	N.S Supply and Installation of Heat and Cool Split DC Inverter Air-conditioner 4.0 Ton (48000BTU) complete with Installation Kit (Supplied with Thermal insulated Copper pipe) i/c any other accessories required at site. Complete in all respects as approved by Engineer Incharge (PEL Gree, diakan or Equivalent)	12.00	No
6	N.S Supply & installation of Angle Bracket Set for Split AC Out Door Unit with 4.00Nos of Rawl bolts ½" 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	7.00	No
7	N.S 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
8	N.S Providing & laying of PVC/PVC 3-Core flexible 110/0.0076" 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
9	N.S Providing & laying of PVC/PVC 4-Core flexible 110/0.0076" 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)	65.00	M

Sl. No.	Description	Quantity
N.S	Supply, installation, connection & commissioning of distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 4'x3'x12") including Incoming Main Molded Case Circuit Breaker 500 Amps T-p (50KA) 1.00 Nos. distribution Molded Case Circuit Breaker 200 Amps T-p (18KA) 2.00 Nos & 125 Amps T-p (15KA) 2.00 Nos respectively, Digital Volt Selector switches, LED Phase lights, Copper bus bars, Earthing bar, Neutral bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB General Electric, Schneider Electric & Legrand)	1.00 No
11 N.S	Supply, installation, connection & commissioning of distribution boards, (DBs), Floor Standing design, made of M.S. Sheet 16 SWG with hinged door, handle, catchers and 2 coats of Approved paint, (Size 4'x3'x12") including Incoming Main Molded Case Circuit Breaker 200 Amps T-p (18KA) 1.00 Nos. distribution Molded Case Circuit Breaker 25 Amps T-p (10KA) 6.00 Nos & 20 Amps T-p (6KA) 6.00 Nos Miniature circuit breakers respectively, Digital Volt Selector switches, LED Phase lights, Copper bus bars, Earthing bar, Neutral bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB General Electric, Schneider Electric & Legrand)	2.00 No
12 N.S	Supply, installation, connection & commissioning 3-pole MCB 32A (5KA) with Plastic Enclosure & any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCB General Electric, Schneider Electric & Legrand)	12.00 No
13 N.S	Supply, installation, connection & commissioning 2-pole MCB 20A (6KA) with Plastic Enclosure & any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCB General Electric, Schneider Electric & Legrand)	10.00 No
External Work:		
Civil Work:		
1 10/43	Providing and laying Tuff pavers, having 7000 PSI crushing strength of approved manufacturer, over 2" to 3" sand cushion & grouting with sand in joints & finishing to require slope. Complete in all respect. (50% Grey / 50% Coloured) 60mm thick	40000.00 Sft
2 3/44	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.	30000.00 Sft

Ita	Description	Quantity	
	Civil Work (Non-Schedule)		
N.S	Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:5:12 (4" thick), PCC 1:2:4 for finishing, laid with cement sand mortar 1:3, 3/4" thick w/c pointing of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Jahar/Banu Mukhtar/Mukhtar Sons)	8000.00	Sq
2	N.S 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	150.00	Rft
	External Electrical Work		
1	24/13 6-wire Supply and erection of copper conductor cables for service connection, in pre-laid 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 37/2.62 mm (37/0.103")	50.00	Rft
2	24/5 Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches - 80 mm i/d	50.00	Rft
	External Electrical Work (Non-Schedule)		
1	N.S 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) w/c any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transpower or Equivalent)	1.00	No
2	N.S 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 1/2" 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	8.00	No
3	N.S Supply & Laying of 3-core, 120mm ² , XLPE/PVC/ SWA/PVC, 5.7/15Kv, 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)	400.00	M
4	N.S Supply and installation of 120mm ² , 3-core, 11-KV Termination Kit w/c any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Raychem or Equivalent)	2.00	No
5	N.S 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

Ref #	Description	Quantity
N.S	Supply, installation & connection of Garden light ground mounted 2" dia G.I pipe Light quality 10' height with 18 W LED blub (Philips) i/c mounting foundation of RCC pipe 12" dia 3' deep with cement concrete and any accessories required at site. Complete in all respects as approved by the engineer incharge.	120.00 No

2

The Islamia University of Bahawalpur


Providing & Laying Brick Soling of Boundry Wall Sandy Track i/c 4 Nos Pipe Culverts 24" wide
at Baghdad-ul-Jadeed Campus

Estimate Based on MRS Jul to Dec, 2019

ABSTRACT OF COST

<u>Schedule Items</u>	
A) Brick Soling	Rs. 35,605,235.00
B) 4 Nos Pipe Culvert 24" wide	Rs. 499,481.00
Total	Rs. 36,104,716.00
Add 5% PST	Rs. 1,805,236.00
Grand Total	Rs. 37,909,952.00


Sub-Engineer


Assistant Engineer


Executive Engineer

Technically Sanctioned for Rs.37,909,952.00


Project Director

26/9/2019.

The Islamia University of Bahawalpur

Providing & Laying Brick Soling of Boundary Wall Sandy Track i/c 4 Nos
at Baghdad-ul-Jadeed Campus

Brick Soling

No	Ref	Description	Quantity
1	3/5-17/a	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 65% maximum modified AASHO dry density (i) Lead upto 1/4 mile (ii) Lead upto 100 ft	740000.00 Cft 700000.00 Cft
2	185	Providing and laying road edging of 3" (75 mm) wide and 9" (225 mm) deep brick on end, complete in all respects.	72000.00 Rft
3	191/2	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	159840.00 Cft

Construction of 4 Nos Pipe Culverts 24' wide

Civil work

No	Description	Quantity
1 3/21	Excavation in foundation of building, bridges and other structures including deg-belling, dressing, refilling around structure with excavated earth, watering and ramming lift upto 5 ft - in ordinary soil	1920.00 Cft
2 6/3	Cement concrete brick or stone ballast 1 1/2" to 2" (40 mm to 50 mm) gauge, in foundation and plinth - Ratio 1:4:8	320.00 Cft
3 7/4	Brick work in foundation and plinth in Cement Sand Mortar Ratio 1:3	1757.10 Cft
4 11/3	Cement Plaster 1:4 upto 20' height 1/2" thick	1152.0 Sft
5 21/3	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1 1/2:3 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. 18" i/d	96.00 Rft
6 8/3-1	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1:2:4	90.00 Cft


The Islamia University of Bahawalpur

Up-gradation of Water Supply System at Baghdad-ul-Jadeed Campus

Estimate Based on MRS Jan to Jun, 2020

ABSTRACT OF COST

1 Civil Works (Schedule Work)	Rs.	1,167,330.00
2 Water Supply (Schedule)	Rs.	399,445.00
3 Water Supply (Non-Schedule)	Rs.	17,055,903.00
Total	Rs.	18,622,678.00
Add 5% PST	Rs.	931,134.00
Grand Total	Rs.	19,553,812.00


Sub-Engineer


Assistant Engineer


Executive Engineer

Technically Sanctioned for Rs.19,553,812.00


Project Director

The Islamia University of Bahawalpur
Up-gradation of Water Supply System at Baghdad-ul-Jadeed

Civil work			
Sl. No.	Description	Quantity	
3/52	Earthwork in excavation of drains, irrigation channels through excavator / drag lines in all kind of soil and conditions (dry, wet, slush, silt and under water) including its disposal and preparation of working pad for operation of machinery. (Lead upto 100 ft)	101250.00	Cft
4/45	Dismantling and removing road metalling	500.00	Cft
4/46	Dismantling and removing road pavement, etc. including screening and stacking of byproducts upto one chain lead (30 metre)	400.00	Cft
6/3	Cement concrete brick or stone ballast 1 1/2" to 2" (40 mm to 50 mm) gauge, in foundation and plinth - Ratio 1:4:8	500.00	Cft
5	7/4 Pucca brick work in foundation and plinth in Cement Sand Mortar Ratio 1:6	2000.00	Cft
6	11/9 Cement Plaster 1:4 upto 20' height 1/2" thick	3600.0	Sft
7	6/51 Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1:2:4	350.00	Cft
8	6/9b 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 bar-40-Grade	1500.00	Kg
9	6/6 Reinforced cement concrete in slab of rafts / stop 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)	400.00	Cft
Water Supply Line			
1	23/28 Providing and fixing cast iron special of B.S.S. Class 'B' (such as bend, tee, cross collar, reducer, tail piece, flanged spigot, cap, flanged socket, taper, angle, branch, plug etc.) for cast iron pipe line, complete -		
	(i) flanged specials, with flanged and flanged joints -		
	(i) 3" to 6" (80 to 150 mm) i/d	430.0	Kg
	(ii) 8" to 12" (200 to 300 mm) i/d	2800.0	Kg
2	23/41 Making connection for new water supply lines with the running main, including excavation of trench and refilling, complete, but excluding cost of pipe and specials, etc Diameter of running main		
	(i) upto 6" i/d (150 mm)	20.0	Con
	(ii) upto 8" i/d (200 mm)	10.0	Con

Description	Quantity	
Water Supply Line (Non-Schedule)		
Supply & Erection of Butter fly valve of kitz Japan for 'B' class working pressure uPVC water supply line including uPVC flangs etc complete in all respects as approved by the engineer incharge		
i) 4" dia	12.00	No
ii) 6" dia	10.00	No
iii) 8" dia	8.00	No
S Providing, laying, cutting, jointing, testing and disinfecting uPVC pipeline for water supply 'B' class working pressure including all specials as required at site of work (Bitu/Dadex or equivalent quality) complete in all respects as approved by the engineer incharge		
i) 4" dia	7000.00	No
ii) 6" dia	9000.00	No
iii) 8" dia	6000.00	No
J.S Supply & Erection of jabal joint for 'B' class working pressure uPVC water supply line to connect with Asbestos water supply line complete in all respects as approved by the engineer incharge.		
i) 4" dia	6.00	No
ii) 6" dia	10.00	No
iii) 8" dia	8.00	No
N S Making connection for new watersupply lines with the running main to building of all size of pipe, including excavation of trench and refilling, connection clamp of uPVC and all other accessories as required at site complete in all respects as approved by the engineer incharge.	250.00	No

The Islamia University of Bahawalpur

Extension of University College of Art & Design at Baghdad-ul-Jadeed Campus

Estimate Based on MRS Jan to Jun, 2020

ABSTRACT OF COST

A) Schedule Items

i) Civil Work	Rs. 21,183,197.00
ii) Plumbing Work	Rs. 130,101.00
iii) Electrical Work	Rs. 688,295.00
Total of "A"	Rs. 22,001,593.00

B) Non-Schedule Items

i) Civil Work	Rs. 8,012,185.00
ii) Plumbing Work	Rs. 716,109.00
iii) Electrical Work	Rs. 4,185,380.00
Total of "B"	Rs. 12,913,674.00

Total "A + B"

Rs. 34,915,267.00

Add 05% Punjab Sales Tax

Rs. 1,745,763.00

Grand Total

Rs. 36,661,030.00



Sub-Engineer

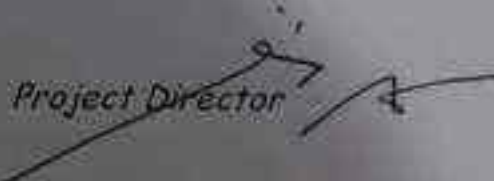

15/6/20

Assistant Engineer


16/6/20

Executive Engineer

Technically Sanctioned for Rs.36,661,030.00



Project Director

The Islamia University of Bahawalpur

Extension of University College of Art & Design at Bahawalpur

Civil Work		Description	Quantity
		Plaster Brick work with cement sand mortar	
	i)	Ratio 1:3 (Ground Floor)	500.00 Cft
	ii)	Ratio 1:5 (Ground Floor)	1550.00 Cft
	iii)	Ratio 1:5 (1st Floor)	17250.00 Cft
	iv)	Ratio 1:3 (1st Floor)	1500.00 Cft
	v)	Ratio 1:5 (2nd Floor)	2756.25 Cft
2	5/9	Fabrication of mild steel reinforcement for cement concrete i.e 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) 40-Grade	24250.00 Kg
3	8/6 +6/5-d	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid position, or prestressed members cast in situ, complete in all respects Type C (nominal mix 1:2:4) 1st Floor.	8250.00 Cft
4	11/10 +11/25	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, Above 20' height 1:3	12855.00 Sft
5	11/9b	Cement plaster upto 20' (600 mm) height - 1/2" (13 mm) thick i) Ratio 1:4	28580.00 Sft
6	9/5	Single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhooasa, grouted with cement sand 1:3 on top of R.C.C. roof slab, provided with 34 lbs. per %Sft, or 1.72 Kg/Sq.m bitumen coating sand blinded.	15250.00 Sft
7	9/45	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 absorption (1% by volume, cell structure closed cell) i.e cutting and placing in position complete in all respect 2" thick	15250.00 Sft
8	26/37	Supplying and laying polythene sheet over D.P.C under floors and on roofs etc. 500 gauge (.005" thick)	30500.00 Sft
9	6/2	Dry rammed brick or stone ballast, 1/5" to 2" (40 mm to 50 mm) gauge	4175.00 Cft
10	13/5	Painting door and window any type on new surface 3 coats	5525.00 Sft
11	6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1:2:4	1875.00 Cft
12	9/15	Making Khuras on roof 2'x2' size.	16.00 No

		Description	Quantity		
		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 aluminium 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.	3650.00	Sft	
14	12/56	Providing and fixing 1 1/2" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1 1/2" x 3/8" (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.	1380.00	Sft	
15	12/184	Providing and fixing sliding bolt to doors - iron sliding bolt 12" (300 mm) long	26.00	No	
16	12/45	Glazing with panes (24 oz. to 26 oz.) using putty and deodar wooden fillets.	100.00	Sft	
17	25/21	Providing and fixing stair railing of 2 1/2" (63 mm) i/c G.I pipe welded with 5/8" x 5/8" (16x16 mm) square M.S. bars 2'-0" (838 mm) high fixed in each step complete in all respects, including painting, polishing three coats	75.00	Rft	
18	25/55	Providing and fixing terrace railing of 2" (50 mm) i/c conduit pipe 16-SWG, welded with 5/8" x 5/8" (16x16 mm) square bar 2.75 ft. (838 mm) high fixed at 5' (125 mm) centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects, as per design and drawing.	248.00	Rft	
19	6/12	Providing and fixing ochromental cement jali 2" (50 mm) thick (1, 2-4) without steel	665.00	Sft	
20	11/22	Distemper on new surface 3 coats	12855.00	Sft	
21	11/21	Preparing surface and painting with emulsion paint - i) New surface 3 coats ii) old surface 2 coats	27780.00 27750.00	Sft Sft	
22	13/12A	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	15575.00	Sft	
23	4/50	Dismantling glazed or encaustic tiles, etc.	3350.00	Sft	
24	4/13	Dismantling brick work in lime or cement mortar	150.00	Cft	
25	4/48	Removing cement or lime plaster	102.50	Sft	

		Description	Quantity	
		Civil Work (Non-Schedule)		
		Providing and laying glazed Ceramic tiles texture light color for skirting / dado size 9"x26"x3/8" laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the engineer in charge. (Master or Equivalent)	7000.00	Sft
2	N.S	Providing and laying prepolished tile Flooridada Tile 24"x24" including 05% wastage laid in cement & style bond with pigment on a bed of 3/4" thick cement sand mortar 1:2 complete in all respects as approved by Engineering incharge (SPM 110 Master or Equivalent)	10255.00	Sft
3	N.S	Providing & laying 3/4" Thick Marble Slab (Bolicosna / Fancy) of approved quality including (rounding of corner) and 1:2 cement sand mortar for laying of marble tiles 3/4" thick i/c rubbing grinding and chemical polishing, complete in all respects as per specifications and drawings and as approved by the Engineer incharge. (for stair steps/kitchen cabinet)	380.00	Sft
4	N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar with 1.25"x1 25"x1/8" MS 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	3650.00	Sft
5	N.S	Providing & Fixing Kitchen Cabinet consisting of lamination board 3/4" thick for leaves, kail wood frame 3" x 1.50". Gola for leaf 3/4"x3/4" including spirit polish for gola complete in all respects as per design, drawing & pattern as approved by the engineer incharge. (Down portion)	45.00	Sft
6	N.S	Providing & Fixing Cabinet 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 spirit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer incharge	36.00	Sft
7	N.S	Providing & laying colored glazed Mutani Tile 1/4" thick laid with cement sand mortar 1:2, 3/4" thick complete in all respect as approved & as directed by the Engineer incharge	136.00	Sft
8	N.S	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory prime) 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 10"x2-1/2"	1550.00	Sft
9	N.S	Providing & fixing Hydraulic door closer Japan made or approved quality complete in all respects as approved by the engineer incharge	10.00	No

		Description	Quantity	
11	N.S	Providing & Fixing fair face brick gutka 9"x2"x2 1/2" (height on on edges) joint in 1:3 cement surkhi over 3/4" brick (KVG) 1:4 G/S base m.p for on wall excluding laying ornamental bricks in approved pattern, scaffolding & dunnage at any height, complete in all respect as shown on the drawing or as directed by the engineer incharge.	6500.00	Sft
12	N.S	Providing & Fixing false ceiling consisting of Gypsum board of size 600x500mm x 7.5mm over 1"x1" aluminium tees longitudinally & transversely & aluminium angles 1"x1" at corners/ends including all accessories, network & hardware etc complete in all respects.	2000.00	Sft
		Corridor safety grill comprising of M.S Square pipe 3" dia & 1/2"x2 1/2" MS square pipe including painting 5 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	648.00	Sft
Plumbing Work				
1	19/3	Providing and fitting glazed earthen ware water closet, squatting type (Orisa pattern), combined with foot rest. Coloured	38.00	No
2	19/12	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete	36.00	No
3	19/34	P/E "P" trap - 10 cm (4") glazed	36.00	No
4	19/27	Providing and fixing chromium plated tee stop cock 15mm (1/2")	42.00	No
5	19/26	Providing and fixing chromium plated bib cock - 1.5 cm (1/4")	14.00	No
6	19/23	Providing and fixing chromium plated pillar cock, heavy - 1/2"	2.00	No
Plumbing Work (Non-Schedule)				
1	N.S	Providing, laying, fixing and testing uPVC Soil Waste, vent & rain water down pipe "NIKASI-PIPES Durafit/ Betal Pak Arab/Equivalent" including uPVC fittings with solvent cement jointing or rubber ring joints complete in all respects including clamps, bands, tees, Y-tees, Cowl reducers, clean out W.C. Elbow Adaptor etc. Complete in all respects and as approved by Engineer incharge	280.00	Rft
		i) 4" dia	100.00	Rft
		ii) 6" dia	100.00	Rft
		iii) 8" dia	100.00	Rft
2	N.S	Providing and laying, cutting, jointing, testing and disinfecting PPRC pipe line (M.S Mithas Pvt Ltd) 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, adaptors to connect polydex pipes to other pipe		

		Description	Quantity	
		and shower, wash basin, tapcock etc. Complete in all respect as per specifications and drawings and as approved by the Engineer Incharge		
		i) 25mm dia	400.00	Rt
		ii) 32mm dia	1000.00	Rt
		iii) 40mm dia	200.00	Rt
	N.S	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) 25mm dia	8.00	No
		ii) 32mm dia	4.00	No
		iii) 40mm dia	2.00	No
4	N.S	Providing & Fixing uPVC "P" trap 4" dia complete in all respect as approved by the Engineer Incharge	26.00	No
5	N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge	18.00	No
6	N.S	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	14.00	No
7	N.S	Providing and fitting glazed earthen ware water closet (WC) Orsa pattern, combined with foot rest best quality complete in all respects as approved by the Engineer incharge (HDD9 Porta or equivalent company)	18.00	No
8	N.S	Providing and fixing Looking Glass best quality 2'x2" complete in all respects as approved by the engineer incharge	88.00	St
9	N.S	Providing and fitting chromium Musim Shower best quality complete in all respects as approved by the engineer incharge (Porta or equivalent company)	4.00	No
10	N.S	Providing and fitting chromium plated Bib cock (Porta) best quality complete in all respects as approved by the engineer incharge (Porta or equivalent company)	20.00	N
Electric Work				
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jarnes and repairing surface, etc., complete with all specials		
		i) 20 mm i/d	150.00	R
		ii) 25 mm i/d	75.00	R
2	24/10	Supply and erection of single core PVC insulated copper conductor cables, in precast 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		
		7/1.63 mm (7/0.064")	3166.00	

		Description	Quantity	
		Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only) - PVC insulated, PVC sheathed 4 core 650/1100 volt grade cable, armoured with G.I. wire 16 SWG, 19/2 11 mm (19/0.083")	300.00	Rt
4	24/30	Supply and erection of ceiling rose, bakelite	50.00	No
5	24/27	Supply and erection of bakelite button holder shade, large size.	60.00	No
		Electric Work (Non-Schedule)		
1	N.S	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)	40.00	No
2	N.S	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 Mason or Equivalent)	55.00	No
3	N.S	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)	160.00	No
4	N.S	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)	6.00	No
5	N.S	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 1/2" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (SK mega or Equivalent)	10.00	No
6	N.S	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)	50.00	No
7	N.S	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)	8.00	No

Description		Quantity	
	Supply & installation of PVC Exhaust Box 12" (300 mm 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 (PVC, Indus, Haktan or Equivalent)	8.00	Rft
N.S	Supply & installation of Universal 3-Pole Socket with 15A meter with plastic back box 3"x3" 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)	80.00	Rft
10	N.S Supply & installation of a Power plug 15A with plastic back box 3"x3" 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)	40.00	Rft
11	N.S Supply & installation of a Fan Dimmer 300W with plastic back box 3"x3" 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
12	N.S Supply & installation of a Double Single Pole Switch Plate with plastic back box 3"x3" 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
13	N.S Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x3" 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
14	N.S Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x6" 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
5	N.S Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x6" 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)	26.00	No
5	N.S Supply & installation of PVC cable trunk (Duct) 16x25mm 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 (GM, Popular or Equivalent)	50.00	Rft
	N.S Supply & installation of PVC cable trunk (Duct) 40x40mm 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 (GM, Popular or Equivalent)	50.00	Rft

	Description	Quantity
18	N.S. 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) & any other accessories required at site. Complete in all respects as approved by the Engineer incharge. (with complete purchase and tax documents) (PEL, Transpower or Equivalent)	1.00 No
19	N.S. 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 (5KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthing bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws, wire 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)	4.00 No
20	N.S. Supply, installation, connection & commissioning of distribution boards, (DBs). Floor Standing design, made of M.S. Sheet 14 SWG with hinged door, handle, catchers and 2 coats of Approved paint. (Size 4'x4'x12") including Incoming, Main Molded Case Circuit Breaker 400 Amps T-p (36KA) 1.00 No, distribution Molded Case Circuit Breaker 100 Amps T-p (15KA) 2.00 Nos & 125 Amps T-p (15KA) 2.00 Nos respectively. Digital Volt, Selector switches, LED Phase lights, Copper bus bars, Earthing bar, Neutral bar and any accessories required at site. Complete in all respects as approved by the engineer incharge. (for MCCB General Electric, Schneider Electric & Legrand)	1.00 No
21	N.S. Providing and Laying earthing for Electric Machines i/c boring up to moisture level (up to 60" below ground level) 4" id 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 id, 1/2" id GI pipe 5' long, GI tee & plug for watering also include common salt, Lime (blaked) 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
22	N.S. Supply and installation of 120mm ² Aluminum Alloy Parallel Groove Clamp complete with nut/bolts & any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge.	4.00 No
23	N.S. Providing & laying of PVC/PVC 3-Core flexible 23/0.0076" copper conductor cable & any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (HOM, Eagle or Equivalent)	60.00 Ft

#	Description	Quantity	
N.S	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	200.00	Rft
25	N.S 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 accessones required at site. Complete in all respect as directed and approved by the Engineer Incharge	80.00	Rft
26	N.S Wiring of light or fan from point to point with 3-Nos of 1.5 mm ² mm (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	Rft
27	N.S 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 (3/4") PVC pipe i/c any accessones required at site. Complete in all respect as directed and approved by the Engineer Incharge	70.00	Rft
28	N.S 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	30.00	Rft

The Islamia University of Bahawalpur

Extension of Directorate of Engineering & Establishment of Civil & Electric Work Shop at Baghdad-ul-Jadeed Campus

Estimate Based on MRS Jan to Jun 2020

ABSTRACT OF COST

A) SCHEDULE WORK

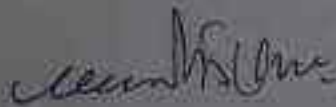
I	Civil Works	Rs.	8,229,135.00
II	Plumbing Works	Rs.	84,391.00
III	Electrical Works	Rs.	149,020.00
Total of "A"		Rs.	8,462,546.00

B) NON-SCHEDULE WORK

I	Civil Works	Rs.	1,633,170.00
II	Plumbing Works	Rs.	144,766.00
III	Electrical Works	Rs.	122,816.00
Total of "B"		Rs.	1,900,752.00

Total of (A+B)		Rs.	10,363,298.00
PST 5%			518,165.00
Grand Total		Rs.	10,881,463.00

Covered Area 6,787.00 Sft
Per Sft Cost 1,603.00



Sub-Engineer



Assistant Engineer



Executive Engineer

Technically Sanctioned for Rs 10,881,463.00



Project Director

Civil work		Description		Quantity	
No					
1		Excavation in foundation of building, bridges and other structures including deg-belling, dressing, refilling around structure with excavated earth, watering and ramming 1ft upto 5 Ft. Ordinary Soil	7981.00	Cft	
2		Spraying anti-termite liquid mixed with water in the ratio of 1:40	5320.00	Sft	
3		Cement concrete brick or stone ballast 1 1/2" to 2" (40 mm) to 50 mm gauge, in foundation and plinth - Ratio 1:4:8	1330.00	Cft	
4		Providing & Laying pucca B/Work in foundation and plinth in Cement Sand Mortar Ratio 1:6	500.00	Cft	
5		Providing & Laying Damp Proof Course of Cement concrete (1:2:4) using Cement, Sand and Shingle including hot Bitumen coating of Grade-10 / 20, 2" thick with 1-coats of Bitumen & Polythene One Layer	1199.00	Sft	
6		Pucca B/Work in Cement Sand Mortar Ground floor (i) Ratio (1:6)	11172.00	Cft	
7		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 bar	4066.80	Kg	
8		Providing & laying reinforced C. Concrete using coarse sand and screened graded washed aggregate in required shape & design in frames, moulds, shuttering, lifting, compacting, curing, rendering & finishing exposed surface Complete but excluding the cost of steel reinforcement & its fabrication and placing in position. Reinforced Cement Conc in roof slabs beams, columns, lintels and other structural members cast-in-situ. Complete in all respect (i) Ground Floor Type-C Ratio 1:2:4	3453.12	Cft	
9		Reinforced cement concrete in slab of raft, 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 res Type-C Ratio 1:2:4	1330.00	Cft	
10		Cement Plaster 1:4 upto 20' height 1/2" thick	26165.0	Sft	
11		3/8" thick Cement Plaster under soft RCC slab ratio (1:3) Ground Floor	6201.00	Sft	
12		Supplying & Filling Sand under Floors or Plugging in wells	1980.00	Sft	
13		Ord. rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50 mm) gauge	1980.00	Sft	
14		Providing and laying topping of cement concrete 1:2:4 including surface finishing and dividing in panels, 1 1/2" thick	680.00	Sft	

Description		Quantity	
	for concrete plain including placing, compacting, curing and curing complete (including screening and washing of stone aggregate) Ratio 1:2:4	750.00	Cft
16	Filling, watering and ramming earth under floors - a) with surplus earth from foundation, etc. b) with new earth excavated from outside lead upto one chain (30 m) upto 1/4 mile (400 m)	3000.00 4250.00	Cft Cft
17	Painting new surface. Preparing surface and painting of doors and windows any type (including edges) - 3 coats	1540.00	Sft
18	Preparing surface and painting with emulsion paint - 3 coats	22911.00	Sft
19	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 3 coats	4350.00	Sft
20	Providing and fixing 1 1/2" (40mm) thick solid flush door shutter sliding or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1 1/2" x 3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with Aluminum kick plate 22 SWG on both sides & finger plate complete in all respect.	567.00	Sft
21	Providing and fixing mild steel chowkat of doors, windows, C window, etc. including holdfast, making and threading holes for hinges, etc. complete - M.S. angle iron 1 1/2" x 1 1/2" x 1/4" (40x40x6 mm) welded with M.S. flat 2" x 3/4"	567.00	Sft
22	Providing and fixing windows consisting of M.S. box section frame 2" x 1 1/2", leaves frame 1 1/2" x 1" box section frame for glazing 3/8" x 3/8" using 16 SWG sheet 'U' shaped rubber supported with 1" x 1/8" M.S. flat for fixing 3/16" thick glass panes M.S. box section 1/2" x 1/2" of 16 SWG for fixing 24 SWG wire gauze on 'outer side by means of 1/4" x 1/8" M.S. flat and screws I/C all C.R. fitting & painting 3 coats complete in all respect	280.00	Sft
23	Providing and laying roof insulation, comprising of single layer of tiles 9" x 4 1/2" x 1 1/2" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen complete in all respects - Thermopore sheet 1" (25 mm) thick	6587.00	Sft
24	Khuras on roof 2" x 2" x 5" (600 x 600 x 150 mm)	4.00	No
25	Providing & laying vertical damp proof course with cement sand plaster and bitumen coating but excluding polythene sheet 500 gauge With two coat of bitumen 1:3, 1/2" thick	3192.00	Sft
26	Laying floor of approved coloured glazed tiles 3/4" (16 mm) thick, laid in white cement and pigment on a bed of 1/4" (20 mm) thick cement mortar 1:2	711.00	Sft

Description		Quantity	
	1/2" cement sand mortar 3/4" (20mm) thick including finishing	2187.25	Sft
28	Providing and fixing sliding bolt to doors - min sliding bolt 12" (300 mm) long	20.00	No
29	Distempering - new surface - all three coats	5354.00	Sft

Civil work (Non-Schedule)

No	Description	Quantity	
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 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering Incharge	5500.00	Sft

Electrical Work

No	Description	Quantity	
1	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jammies and repairing surface etc complete with all specials i) 3/4" id (20 mm) ii) 1" id (25 mm)	400.00 650.00	Rft Rft
2	Supplying and erection of single core PVC insulated copper conductor PVC insulated cables in pre-laid PVC pipe (rate for cables only) a) Cable 3/0.029" b) Cable 7/0.029"	3800.00 1150.00	Rft Rft
3	Supply and erection of ceiling rose, bakelite.	40.00	No
4	Supply and erection of switches 5 Amp. Piano type	95.00	No
5	Supply and erection of M.S. sheet box of 18 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") ii) 12.5 x 10 cm (7"x4") iii) 20 x 25 cm (8"x10")	20.00 25.00 20.00	No No No
6	Supply and erection of 3 pin switch and plug combined, recessed type i) 5 Amp ii) 10/15 Amp	30.00 20.00	No No

Electrical Work (Non-Schedule)

No	Description	Quantity	
1	Supply & Erection of LED Bulb 18 Watt Ic Glass of approved quality complete in all respects as approved by engineering incharge (Philips)	80.00	No

Plumbing Work

No	Description	Quantity	
1	P/F water closet squatter type (priss pattern) combined with foot rest. Coloured, or as approved by the engineer incharge	10.00	No

Description		Quantity	
	Providing and fitting plastic made low down flushing system (3 gallons capacity) including bracket set, copper connection, etc complete coloured, as approved by the engineer incharge	10.00	No
3	Providing and fixing Looking Glass 55x40 cm (22"x16") size and 5 mm thick, first quality	6.00	No
4	Providing and fitting: i) plastic soap dish ii) plastic towel rail iii) plastic shelf (24"x5") with bracket and railing	6.00 6.00 6.00	No No No
5	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	8.00	No
6	Providing & fixing chromium plated tee stop cock 1/2"	18.00	No
7	Providing and fixing chromium plated Bib cock 1/2"	28.00	No
8	Providing and fitting "P" trap 10 cm (4") glazed	20.00	No
9	Providing and fixing chromium plated shower rose - 1.5x10 cm (1/2"x4")	5.00	No
10	Providing and fixing chromium plated pillar-cock, heavy 1.5 cm (1/2")	8.00	No

Plumbing Work (Non-Schedule)

No	Description	Quantity	
1	Providing, laying, 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 rubber ring joints complete in all respects including clamps, tees, Y-tees, Cowl reducers, clean out WC, Elbow Adopter etc. complete in all respects i) 3" dia Pipe Dadex/Beeta ii) 4" dia Pipe Dadex/Beeta	185.00 360.00	Rft Rft
2	Providing, laying, cutting jointing, testing and disinfecting PPRC pipeline 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 connect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site i) 32 mm o/d (Dadex / Beta / BBJ) ii) 25 mm o/d (Dadex / Beta / BBJ)	140.75 365.50	Rft Rft
3	Providing & fixing floor plastic Jali complete in all respect & as approved by the Engineer Incharge.	13.00	No

The Islamia University of Bahawalpur
Renovation of Ground Floor & 1st Floor of Old DMS Building at Baghdad-ul-Jadeed Campus


Estimate Based on MRS (Jan to Jun) 2020


ABSTRACT OF COST

A)	<u>Schedule Items</u>	
I	Civil Work	Rs. 4,172,852.92
II	Plumbing Work	Rs. 53,946.20
III	Electric Work	Rs. 2,517,003.00
	Total of "A"	Rs. 6,743,802.12
B)	<u>Non-Schedule Items</u>	
I	Civil Work	Rs. 2,686,905.00
II	Plumbing Work	Rs. 164,717.55
III	Electric Work	Rs. 4,971,659.44
	Total of "B"	Rs. 7,823,281.99
C)	Total of "A+B"	Rs. 14,567,084.11
D)	Add 16% Punjab Sales Tax	Rs. 2,330,733.00
	Total of "C+D"	Rs. 16,897,817.00


Sub Engineer

30/6/2020


Assistant Engineer


Executive Engineer

Technically Sanctioned for Rs.16,897,817.00


Project Director

30/6/2020

The Islamia University of Bahawalpur

Renovation of Ground Floor & 1st Floor of Old OMS Building at Bahawalpur

Civil Work		Description	Quantity
1	25/51	Providing and fixing all types of partly fixed and partly operable glazed windows (looker aluminium doors, using delta section of M/s Al-Dep or Pakistan Cables, having threshold frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 80x40mm (3 1/4" x 1 1/2") wide sections, including the cost of 1/2" (5 mm) thick insulated tinted glass with aluminium triangular gale and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 2" (15 mm) wide long handles etc. and hardware as required as approved by the engineer in-charge	1254.00 Sq
2	25/52	Providing and fixing all types of glazed aluminium windows of insulated frames (looker partly fixed and partly sliding using delta sections of M/s Al-Dep or Pakistan Cables having frame size of 100 x 20 mm (4" x 3/4") and leaf frame sections of 30 x 20 mm (2 1/4" x 3/4"), all of 1.6mm thickness including 5 mm thick insulated tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge	1075.50 Sq
3	10/11	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron - 415" (113 mm) thick walling with hoop iron, bonding 6" (150 mm) apart	1677.00 Sq
4	11/13	Cement plaster 1:4 upto 20 (25.00 m) height - 1/2" (13 mm) thick	3420.00 Sq
5	10/11-4	Preparing surface and painting with emulsion paint - old surface 2 coats	84,932.50 Sq
6	10/11-4	Preparing surface and painting with emulsion paint - new surface 2 coats	3354 Sq
7	10/11-4	Painting old surfaces - Painting doors and windows, any type, old surface 2 coats	7105.00 Sq
8	12/50	Providing and fixing 1 1/2" (40mm) thick solid flush door/shutter fitting or equivalent with commercial ply (5 mm thick) on both sides double pressed and beaded wood lipping 1 1/2" x 5/8" (40mm x 70mm) around shutter including aluminium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect	159.50 Sq
9	10/11-4	Painting new surfaces - Painting doors and windows, any type, new surface 3 coats	319.00 Sq
10	10/25	Laying floor of approved coloured glazed tiles 1/2" (15 mm) thick, laid in white cement and pigment on a bed of 1/2" (20 mm) thick cement mortar 1:2	250.00 Sq
11	10/26	Coloured glazed tile dado 1/2" (15 mm) thick in pigment over 1:2 cement sand mortar 3/4" (20mm) thick, including finishing	1400.00 Sq
12	10/26	Rubbing and polishing old grout mosaic floor, including repairing voids, uneven surfaces, complete in all respects	10108.00 Sq
			Tot
1	M.C	Providing & Fixing false ceiling of Gypsum, 8mm thick as per approved design and sample and as directed by the engineer in-charge (N.S)	13106.00 Sq
2	N.S	Providing and applying Textured resin plaster coating of Rockwall / sandbar / Graftex with recommended sealer and thinner on the surface of cement plaster on the exterior surface of the building. The coating shall be of approved colour and pattern. Surface should be prepared by removing dust, dirt, oil, sand and other foreign matters. Honey-combing and stepped irregularities shall be corrected by troweling, apply it strictly in accordance with manufacturer's instructions, as per drawing, specification. Final coat shall be applied after the base coat has been inspected and approved by the Engineer in-charge	20960.00 Sq
3	N.S	Providing and fixing Door Hydraulic Machine (Kit) including all hardware fitting best quality complete in all respect as approved by Engineer in-charge	10.00 No
			Tot
Plumbing Work			
1	10/10	Providing and fixing glazed earthen ware flat back urinal	5.00 Nos
2	10/10	Providing and fixing glazed earthen ware water closet, squarer type (Orise pattern), combined with foot rest, Coloured	5.00 Nos

		Description	Quantity
1	1804	Providing and fitting glazed earthen ware wash hand basin 50x40 cm (22" x 16") including bracket set, waste pipe and waste coupling, etc. coloured with pedestal	5.00 Nos
2	1812-4	Providing and fitting plastic made low down flushing cistern 13.82 ltrs (3 gallons) capacity, including bracket set, copper connection, etc. complete Coloured	5.00 Nos
3	1829	Providing and fixing chromium plated mixing valve, for wash hand basin, sink or shower	5.00 Nos
4	1837	Providing and fixing chromium plated ten slip cock "15mm (3/4")	10.00 Nos
5	1838-4	Providing and fixing chromium plated bit cock - 1.5 cm (1/2")	7.50 Nos
6	1834	Providing and fitting "P" trap - 10 cm (4") glazed	15.00 Nos
7	1822	Providing and fitting / plastic soap dish	5.00 Nos
8		plastic towel rail	5.00 Nos
9		plastic shelf 80x13 cm (24"x5") with bracket and railing	5.00 Nos
Plumbing Work - N.S.			
1	N.S.	Providing, laying, fixing and testing uPVC Soil Waste, vent & rain water down pipe (M&S PPRC Durable Jeter Pak Arab Equivalent) including uPVC fittings with solvent cement joining or rubber ring joints complete in all respects including clamps, bends, tees, Y tees, Couf reducers, clean out WC, Elbow Adapter etc. 4" dia Complete in all respects and as approved by Engineer Incharge	50.00 Rft
2		Providing and laying, cutting, joining, testing and disinfecting PPRC pipe line (M&S Mirraas Pvt Ltd) for hot & cold water supply complete in all respects, viz: specials such as coupler, reducing socket, elbow, endcaps, male/female threaded, fittings, etc. Complete in all respect as per specifications and drawings and as approved by the Engineer Incharge	100.00 Rft
3	N.S.	Providing and laying, cutting, joining, testing and disinfecting PPRC pipe line (M&S Mirraas Pvt Ltd) for hot & cold water supply complete in all respects, viz: specials such as coupler, reducing socket, elbow, endcaps, male/female threaded, fittings, etc. Complete in all respect as per specifications and drawings and as approved by the Engineer Incharge	150.00 Rft
4	N.S.	Providing & Fitting Steel floor all best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge	15.00 Nos
5	N.S.	Providing and fitting chromium Muslim Shower, best quality complete in all respects as approved by the engineer incharge (Pacta or equivalent company)	5.00 Nos
6	N.S.	Providing and fixing Coloured Glazed Earthen ware water closet European type Couple set including Push Tank fixed with ceramic, hydraulic seat cover, shield cover, throttle connection pipe Complete in all respect and approved by Engineering Incharge (RDOT Peta or equivalent company)	5.00 No
Electric Work			
1	24/10	Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe/M 5 / conduit/G.I. pipe/wooden strip batten/wooden casing on capping/G.I. wire/trenches (rate for cables only, 250/440 volts, PVC insulated 3/0.74 mm (3/0.029")	1530.00 Meter
2		7/0.74 mm (7/0.029")	1250.00 Meter
3		7/0.81 mm (7/0.036")	1260.00 Meter
4		7/1.12 mm (7/0.044")	1260.00 Meter
5		7/1.53 mm (7/0.064")	1250.00 Meter
6	24/10-g vii	Supply and erection of copper conductor cables for service connections, in pre-laid 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 15 SWG 37/2.62 mm (37/0.103")	150.00 Meter

		Description	Quantity
		Electrical Work N.S	
1	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) /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, Paklan or Equivalent)	20.00 No
2	N.S	Supply and installation of Heat and Cool Floor Standing Split DC Inverter Air conditioner 2.00 Ton (24000BTU) complete with Installation Kit (Supplied with Thermal insulated Copper pipe) /c any other accessories required at site. Complete in all respects as approved by Engineer incharge. (PEL, Orient, Haier or Equivalent)	15.00 No
3	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) /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, Paklan or Equivalent)	50.00 No
4	N.S	Supply & installation of Multilight plug /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 (KM, Hsro, PPI or Equivalent)	100.00 No
5	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x3" /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
6	N.S	Supply & installation of LED Ceiling Light 17W (recessed type, 220V-) /c cutting holes to install in false (any type) /c any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips Essential or Equivalent)	750.00 No
7	N.S	Supply & installation of PVC cable trunk (Duct) 16x25mm /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 (GM, Popular or Equivalent)	1000.00 Rft
8	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x3" /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
9	N.S	Supply & installation of Wall Mounted LED Baton Light 20W (220V- 6500K) /c any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips Simline or Equivalent)	24.00 No
10	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) /c any accessories (i.e. wiring of mounting holes and 4.00nos of rawl bolts, 1/4" etc.) as required at site. Complete in all respect as directed and approved by the Engineer incharge (SK mega or Equivalent)	2.00 No
11	N.S	Supply & installation of 2' x 2' False Ceiling Fan 14" speed (99.99% Copper), remote controlled /c any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Royal, Super-aia or Equivalent)	30.00 No
12	N.S	Supply & installation of PVC cable trunk (Duct) 40x40mm /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 (GM, Popular or Equivalent)	200.00 Rft
13	N.S	Providing & laying of PVC/PVC 3-Core flexible 10/0.0076" copper conductor cable /c any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (KM, Eagle or Equivalent)	70.00 Meter
14	N.S	Providing & laying of PVC/PVC 3-Core flexible 10/0.0076" copper conductor cable /c any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (KM, Eagle or Equivalent)	70.00 Meter
15	N.S	Supply and installation of Heat and Cool Split DC Inverter Air conditioner 1.50 Ton (18000BTU) complete with Installation Kit (Supplied with Thermal insulated Copper pipe) /c any other accessories required at site. Complete in all respects as approved by Engineer incharge. (GREE 18 FITH13, KENWOOD or Equivalent)	5.00 No

The Islamia University of Bahawalpur

Established Lab Funded by PSF & HEC in Room 75 & 79 for the Department of Biochemistry & Biotechnology at Baghdad-ul-Jadeed Campus

Estimate Based on MRS, Jan to Jun, 2020

ABSTRACT OF COST

A) Schedule Work

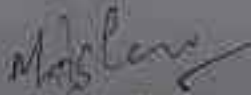
1	Civil Work	Rs.	573,752.00
2	Electric Work	Rs.	519,331.00
Total		Rs.	1,093,083.00

B) Non-Schedule Work

1	Civil Work	Rs.	3,356,558.00
2	Electric Work	Rs.	1,076,773.00
3	Plumbing Work	Rs.	161,749.00
Total		Rs.	4,595,080.00

Total A+B	Rs.	5,688,163.00
Add 05% Punjab Sales Tax	Rs.	284,408.00


Grand Total	Rs.	5,972,571.00
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Sub-Engineer


Assistant Engineer


Executive Engineer

Technically Sanctioned for Rs.5,972,571.00


Project Director

The Islamia University of Bahawalpur

Established Lab Funded by PGF & HEC in Room 75 & 79 for the Department
Biotechnology at Baghdad-ul-Jadeed Campus.

No.	MPS Ref	Description	Quantity	Unit
1	4/40-b	Scraping - Ordinary distemper, oil bound distemper, or paint, of wall	5634.00	Sft
2	11/3B	Petty repair to small room	2.00	No
3	11/3T	Petty repair to verandah room	2.00	No
4	4/32-i	Removing door with chowkat	3.00	No
5	4/32-H	Removing windows and sky lights with chowkat	6.00	No
6	4/40	Removing cement or lime plaster	400.00	Sh
7	4/13	Dismantling brick work in lime or cement mortar	36.00	Cft
8	4/19a	Dismantling cement concrete plain 1:4:8	200.00	Cft
9	4/19c	Dismantling cement concrete 1:2:4 plain	32.00	Cft
10	13/31 a+b	Preparing surface and painting with emulsion paint - old surface 2 coats	5634.00	Sft
11	7/5	Pucca brick work in ground floor - Cement, sand mortar - Ratio 1:4	400.00	CR
12	11/8-b	Cement plaster 1:3 upto 20' (6.00 m) height - 1/2" (13 mm) thick	2700.00	Sft
13	6/6	(a) (i) 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 - (3) (c) Type C (nominal mix: 1:2:4)	70.00	CR
14	6/8-b	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 40-Grade	250.00	Kg
15	6/5F	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) - Ratio 1:2:4	325.00	CR
16	25/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40	2700.00	Sh
17	25/51	Providing and fixing all types of partly fixed and partly operable glazed and discoloured bronze colour aluminium doors, using deluxe section of M/s Al-Cop or Pakistan Cables having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60 x 60 mm (2 1/2" x 2 1/2") wide sections, including the cost of 1/2" (5 mm) thick imported tinted glass with aluminium triangular gills and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 2" (25 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge	112.00	Sft

M. Akbar

Sl. No.	Description	Quantity
1	Providing and fixing all types of glazed aluminum windows of anodized champagne colour partly fixed and partly sliding using bottom 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 45mm x 12mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas seal using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc complete in all respect. 2 mm thick.	126.00 Sft
	Civil Work (Non-Schedule)	
1	Providing and laying Floor Tile 24"x24" Granite Effect (GEM) Dark Polished S/S including 55% Wastage, laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2 i/c Bond for fixing of tile complete in all respects as approved by Engineering Incharge	5350.00 Sft
2	Providing and laying Tile Dado 9"x20" Size (SISF MPD538 & 757 Multi 9x28 Master and 245F MPD748 Multi 9x28 Master) including 55% 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	800.00 Sft
3	Providing and laying Granite Marble Slab (SADU Grey) including 55% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2 including grinding & chemical polishing complete in all respects as approved by Engineering Incharge.	240.00 Sft
4	Providing, Fabricating and fixing 18 SWG M/S steel hollow pressed Jamb frame (Factory prime) for door welded with MS flat size 6"x1 5"x3/16", hold fast i/c welding/screwing 5" 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 10"x2-1/2"	56.00 Sft
5	Providing and fixing wooden door shutter solid (Red Oak-858 imported) 40mm thick including tower bolt and all hardware fitting best quality complete in all respect as approved by Engineer Incharge	56.00 Sft
6	Providing and fixing Door Closer (Royalwand 604 Coffee) including all hardware fitting best quality complete in all respect as approved by Engineer Incharge	4.00 No
7	Providing and fixing Door Lock (RVF-45 MSN Royalwand) including all Hardware fitting best quality complete in all respect as approved by Engineer Incharge	2.00 No
8	Polishing of doors with best quality Mat polish complete in all respect as approved by Engineer Incharge	200.00 Sft
9	Providing and fixing of Glass Window 8mm thick with Aluminum Section D-15, D-16 3mm thick for fix portion including dry accessories required at site completed in all respect as approved by Engineer Incharge	132.00 Sft

M. Aslam

Sl. No.	Ref.	Description	Quantity	Unit
	N.S.	Providing and fixing Riber Bonds fixing in position as per approved design and sample complete in all respect as approved by the engineer incharge.	300.00	Sft
	N.S.	M.S Steel Grid for windows comprising of 1/2"x1/2" square bar with 1.25"x1.25"x1/8" MS 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	150.00	Sft
13	N.S.	Providing and fixing 3/4" thick Laminated Board shutter for laboratory cabinet with 3/4" x 3/4" deodar wood beading including tower bolts on top & bottom lock 808, hinges, polishing complete in all respects as approved by the Engineer Incharge	105.00	Sft
14	N.S.	Providing & Fixing false ceiling of Gypsum 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.	1100.00	Sft
15	N.S.	Providing & Fixing wooden drawer consisting of kail wood 3/4" thick size 1.50'x1.50'x5", wooden frame vertical 2"x2", Horizontal 1"x2", 3.50'x1.58' and hard board for drawer bottom including spirit polish complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge	70.00	Sft
16	N.S.	Providing & Fixing Cabinet 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 spirit polish for gola complete in all respects as per design, drawing & pattern as approved by the Engineer Incharge	243.00	Sft
17	N.S.	Supply, fabrication and erection/ installation of fully glazed curtain wall comprising of tempered 12 mm thick approved quality/ make, fixing with approved size and shape aluminum section (powder coated / anodized), including tear resistant safety film (125 micron) of approved pattern on glass, complete with all accessories to complete the installation	423.00	Sft
18	N.S.	Providing and Making Wooden Table 15'x6' using 3/4" thick Laminated Board, Kail wood for frame, PVC Gola 3/4" lamination sheet for top, leaves and laser/ hard board for back side including Handle, Lock, Kitchen hinges, press sheet complete in all respects as approved by the Engineer Incharge.	1.00	No.
Electrical Work:				
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls including inspection boxes, pull boxes, hooks, cutting /joints and repairing surface, etc., complete with all specials	260.00	Rft
		i) 3/4" id (20 mm)	450.00	Rft
		ii) 1" id (25 mm)		
2	24/4	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-	100.00	Rft
		i) 3/4" id (20 mm)	300.00	Rft
		ii) 2" id 50 mm id		
3	24/10a-i	Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe/ M.S. conduit/ G.I pipe/ wooden strip batten/ wooden casing or capping/ G.I wire/ trenches (rate for cables only) 250/440 volts, PVC insulated	4000.00	Rft
		3/0.74 mm (3/0.025")	1500.00	Rft
		7/0.74 mm (7/0.025")	100.00	Rft
		7/0.61 mm (7/0.036")		

S. Ref	Description	Quantity	
	7/1 12 mm (7/0.044")	4600.00	RH
	7/1 63 mm (7/0.064")	1000.00	RH
	19/1 32 mm (19/0.052")	875.00	RH
Electrical Work (Non-Schedule)			
1	N.S. Supply & installation of LED 2'x 2' Ceiling Panel Light 45W (220V~ CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 365/865 PSU W60L60 GM G2 or Equivalent)	40.00	No
2	N.S. Supply & installation of LED Ceiling Light 17W (6" recessed, 220V~) i/c cutting holes to install in false (any type) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	15.00	No
3	N.S. 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)	6.00	No
4	N.S. 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
5	N.S. Supply & installation of Wall Bracket Fan 16" (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 (Youtis, Tamoor, Pakfan or Equivalent)	2.00	No
6	N.S. 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 raw bolts 1/2" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge	4.00	No
7	N.S. Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw, Raw 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)	5.00	No
8	N.S. Supply and installation of Stainless Steel/Aluminum Exhaust Hood with exhaust fan (170W) and 4 x 20W halogen lamp i/c any other accessories required at site. Complete in all respects as approved by Engineer Incharge. (Canon-HD-GL6011 or Equivalent)	4.00	No
9	N.S. Supply & installation of Universal 3-Pole Socket with 15A 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)	60.00	No
10	N.S. 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)	60.00	No

M. Aslam

S. No.	Description	Quantity	Unit
N.S	Supply & installation of a Double Single Pole Switch Plate with plastic back box 3"x 3" /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
N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 5"x 3" /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
N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" /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
N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" /c any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Philips ECO Series Q2 or Equivalent)	5.00	No
N.S	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" /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
N.S	Supply & installation of PVC cable trunk (Duct) 16x25mm /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 (GM, Popular or Equivalent)	100.00	Rft
N.S	Supply & installation of 2' x 2' False Ceiling Fan 14" swipe (50-60% Copper), remote controlled /c any accessories required at site. Complete in all respect as directed and approved by the Engineer incharge (Royal, Super-Asia or Equivalent)	10.00	No
N.S	Supply & installation of PVC cable trunk (Duct) 40x40mm /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 (GM, Popular or Equivalent)	100.00	Rft
N.S	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 Moulded Case Circuit Breaker of 125 Amps T-p (15KA) 1.00 No. Distribution Miniature Circuit Breaker of 1000 Amps S-p (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthing bar, Neutral bar and any accessories (i.e. Earthy 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: Moady, Schneider Electric, Legrand or equivalent).	2.00	No
N.S	Providing and Laying earthing for Electric Machines /c going up to moisture level (up to 60" below ground level) 4" id. including copper strip 14" x 3" x 1/4" (355 x 50 x 6 mm) connecting with 1/2" bare copper wire of No. 8 SWG to be		

M. J. Aslam

S. No	Ref	Description	Quantity	
		run in PVC pipe 20mm i/d. 1 1/2" i/d GI pipe 5' long. GI tee & plug for watering also includes common salt. Lime (slaked) & 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
21	N.S	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.	6.00	No
22	N.S	Providing & laying of PVC/PVC 3-Core flexible 70/0.0078" 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
23	N.S	Providing & laying of PVC/PVC 3-Core flexible 110/0.0076" 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
Plumbing Work (Non-Schedule)				
1	N.S	Providing, Laying, Fixing, testing uPVC (Dadex/Beta/Pakarab) plain ends socket pipe Type-B soil waste, vent & rain water as per approved make and quality i/c uPVC fitting with solvent cement jointing or rubber ring joints complete in all respects i/c clamps tees complete in all respects as approved by the engineer incharge. i) uPVC Pipe 4" dia ii) uPVC Pipe 6" dia	20.00 200.00	Rft Rft
2	N.S	Providing and laying, cutting, jointing, testing and disinfecting PPRC pipe line for hot and cold water supply complete in all respect socket, elbow, endcaps, male/female, threaded fitting, like teese, adaptors to connect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site. i) 25mm o/d (Dadex/Beta/BBU) ii) 32mm o/d (Dadex/Beta/BBU)	50.00 200.00	Rft Rft
3	N.S	Providing & Fixing Stop Valve complete in all respects, as approved by the Engineer Incharge. i) 25mm ii) 32mm	2.00 2.00	No No
4	N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	10.00	No
5	N.S	Providing and fitting chromium plated Tee stop cock (B17T Porta) best quality complete in all respects as approved by the engineer incharge (B17T Porta or equivalent company).	3.00	No
6	N.S	Providing & Fixing uPVC "P" trap 4" dia complete in all respect as approved by the Engineer Incharge.	6.00	No
7	N.S	Providing and fitting chromium plated Bib cock (Porta) best quality complete in all respects as approved by the engineer incharge (Porta or equivalent company).	1.00	No
8	N.S	Providing and fitting glazed earthen ware Laboratory Sink 56x40 cm (22"x16") including waste pipe and waste coupling, etc. complete in all respect as approved by the engineer incharge.	3.00	No
9	N.S	Providing and fixing, chromium plated Laboratory Cock (3-way) Dilawar, complete in all respect as approved by the engineer incharge.	3.00	No
TOTAL				

M. Aslam

The Islamia University of Bahawalpur

Renovation of Guest House (Main Entry & VVIP Block) at Abbasia Campus

Estimate Based on MRS Jan to July, 2020

ABSTRACT OF COST

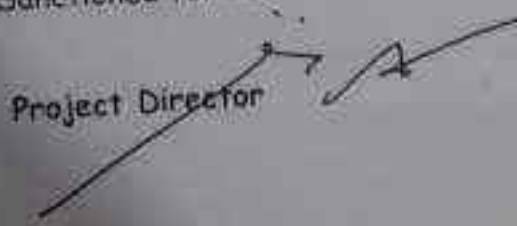
A	<u>SCHEDULE WORK</u>		
I	Civil Works	Rs.	624,156.04
II	Electrical Works	Rs.	98,299.25
III	Plumbing Works	Rs.	-
	Total	<u>Rs.</u>	<u>722,455.00</u>
B	<u>NON SCHEDULE WORK</u>		
I	Civil Works	Rs.	1,933,599.70
II	Electrical Works	Rs.	115,347.92
III	Plumbing Works	Rs.	492,481.28
	Total	<u>Rs.</u>	<u>2,541,429.00</u>
	Total (A+B)	<u>Rs.</u>	<u>3,263,884.00</u>
	Add 16% Pst	<u>Rs.</u>	<u>522,222.00</u>
	Grand Total	<u>Rs.</u>	<u>3,786,106.00</u>


Sub-Engineer


Executive Engineer (M)


Assistant Engineer

Technically Sanctioned for Rs.3786106/-


Project Director

The Islamia University of Bahawalpur
Renovation of Guest House (Main Entry & VVIP Block) at

#	Description	REF	Qty
Civil Work (Schedule Items)			
1	Dismantling glazed or encaustic tiles, etc. (4/30)	4/30	854.00 Sft
2	Dismantling cement concrete 1:2:4 plain. (4/19c)	4/19c	314.01 Cft
3	Dismantling cement concrete with brick aggregate. (4/19d)	4/19d	863.52 Cft
4	Providing, laying, watering and ramming brick ballast 1½" to 2" (40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects (10/3)	10/3	863.52 Cft
5	Removing cement or lime plaster. (4/48)	4/48	1,510.00 Sft
6	Pacca brick work in ground floor cement, sand mortar - Ratio 1:3 (7/4i)	7/4i	75.00 Cft
7	Cement plaster 1:4 upto 20' (6.00 m) height ½" (13 mm) thick. (11/9b)	11/19b	1,958.00 Sft
8	Scraping Ordinary distemper, oil bound distemper, or paint off wall. (4/49h)	4/49b	4,148.00 Sft
9	Cement pointing struck joints, on walls, upto 20' (6.00 m) higher - Ratio 1:2 (11/18a)	11/18a	710.00 Sft
10	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, on old surface. (13/32h)	13/32b	4,960.00 Sft
11	Painting doors and windows, any type, two coat on old surface. (13/4c)	13/4c	2,768.00 Sft
12	Petty repair to main rooms. (11/35)	11/35	3.00 Nos
13	Petty repair to small room. (11/36)	11/36	2.00 Nos
14	Preparing surface and painting with emulsion paint - two coats (13/31a+b)	(13/31a+b)	6,746.50 Sft
15	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate). (I) Ratio 1:2:4 (6/3f)	6/3f	200.00 Cft
16	Painting old surfaces - Painting sashes, fanlights, glazed or glazed doors and windows - two coats (13/38)	13/38	500.00 Sft
17	Removing door with chowkat.	4/32a	8.00 Nos
18	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" x 1½" x ½", welded (40 mm x 40 mm x 6mm) with M.S. flat 2" x ½" (50 mm x 6 mm)	12/48i	266.00 Sft

The Islamia University of Bahawalpur
Renovation of Great Mosque (Main Entry & VVIP Block) at

#	Description	REF	Qty	
Civil Work (Non-Schedule Items)				
1	Providing and laying floor of a approved Dark coloured glazed Geyrate tiles size 16"x16" dry wet Venetian application DWV series polished dark colour class SB (Master Company) laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 Complete in all respect and as approved by the Engineer incharge.	N/S	2,516.75	SR
2	Providing and fixing PVC imperial/Alkati co wall paneling using PVC gola and joints as approved coloured & Design as approved sample complete in all respects & as approved by the engineer incharge.	N/S	5,480.00	SR
3	Providing and laying floor tiles 12"x18" (Master Co) of a approved SP series matching colour base glossy matt light colour rectified SP, laid in white cement and pigment on a bed of 3/4" thick cement mortar ratio 1:2 complete in all respect and as approved by the Engineer incharge.	N/S	192.00	SR
4	Providing and laying dado wall 12"x18" (Master Co) of a approved SP series on matching colour base glossy matt light colour rectified SP, laid in white cement and pigment on a bed of 3/4" thick cement mortar ratio 1:2 complete in all respect and as approved by the Engineer incharge.	N/S	672.00	SR
5	Providing & fixing false ceiling of Gypsum form work complete in all respects and as approval of sample by the Engineer incharge.	N/S	1,516.75	SR
6	Providing & Fixing door stopper for door best quality complete in all respects as per approved and as directed by the Engineer incharge.	N/S	8.00	Nos
7	Providing and laying skirting or dado 16"x46" of a approved Dark coloured glazed Geyrate tiles dry wet Venetian application DWV series polished dark colour class SB (Master Company) laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 on . Complete in all respect and as approved by the Engineer incharge.	N/S	310.50	SR
8	Providing & laying border tiles for dado 17" wide (Master Co) of approved matching colour base Geyrate dark colour laid in white cement and pigment on a bed of 3/4" thick cement and mortar ratio 1:2. Complete in all respect as approved by the Engineer incharge.	N/S	112.00	RS
Electrical Work (Schedule Items)				
1	Supply and erection of PVC pipe for wiring concealed in walls, including inspection boxes, pull boxes, hanks, cutting, joining and repairing surface, etc. complete with all specials.	24/3	300.00	RS
	a) 20 mm I/d.		250.00	RS
	b) 25 mm I/d.			
2	Supply and erection of single core PVC insulated copper conductor cables, in precast PVC pipe/M.S. conduit/G.I pipe/wooden amp boxes/wooden casing as wire trenches (rate for cables tapping G.I.	24/11	600.00	RS
	250/440 volts, PVC insulated:			
	i) 10.74 mm (7/0.029")		300.00	RS
	ii) 7.074 mm (7/0.029")		500.00	RS
	iii) 7.074 mm		200.00	RS
	iv) 7.074 mm			

The Islamia University of Bahawalpur
Renovation of Guest House (Main Entry & VVIP Block) at

	Description	REF	Qty	
	Supply and erection of ceiling rose, bakelite.	24/30	20.00	Nos
	Supply and erection of button holder, bakelite large size.	24/30	25.00	Nos
	Electrical Work (Non Schedule Items)			
i	Providing & Fixing China Sheet with switches (Futina, N/S Class or Ho-Life) and underground PVC box complete in all respects as per approved design and sample and as directed by the Engineer incharge.	N/S		
ii	4 switches + 2 socket		8.00	Nos
iii	6 switches + 2 socket		4.00	Nos
iv	4 switches + 2 socket		8.00	Nos
v	3 switches + 1 socket		4.00	Nos
vi	Bell Push		4.00	Nos
vii	TV Socket		4.00	Nos
viii	Telephone Socket		4.00	Nos
ix	Double Light Plug		8.00	Nos
x	Light Plug single		8.00	Nos
2	Providing & Fixing China Sheet power plug with switches (Futina, Class or Ho-Life) and underground PVC box complete in all respects as per approved design and sample and as directed by the Engineer incharge.	N/S	4.00	Nos
3	Providing & fixing Fan Duct for China Sheet (Futina, Class or Ho-Life) complete in all respect and as approved by the Engineer incharge.	N/S	4.00	Nos
4	Providing & Fixing Distribution board of MS Sheet 16 SW size 2'x1'5" complete in all respect with handle, locking system with ammeter panel including 5 Nos 20 Amps, 5 Nos 10 Amps, 9 Nos 6 Amps, single phase Standard MCCB china made (Lair, Ho-Life & ABB) with 100 AM TP Tamiaki Japan made with 3 nos. 500 meter, 2 nos. phase light with wiring of panel complete in all respect as approved by the engineer incharge.	N/S	2.00	Nos
1	Plumbing Work (Non-Schedule Item)			
	Providing, laying, cutting, joining, testing, and disinfecting PPRC pipeline for hot & cold water supply complete in all respects. i/c specials such as coupler, wash basin, bibcock etc. as required at site connect polydex pipes to other pipe and shower, male/female threaded, fitting, like tees, Adapters, reducing socket, elbow, end caps	N/S	215.00	RR
	ii - 25 mm od (Dades / Beta / BBJ)		322.00	RR
	iii - 32 mm od (Dades / Beta / BBJ)			
2	Providing and fitting uPVC TP trap 11 cm (4") dia complete in all respect approved by the Engineer incharge.	N/S	10.00	Nos
3	Providing, laying, fixing and testing uPVC plain ends socketed pipes for Waste, vent & hot water in per approved make and quality including uPVC fittings with solvent cement jointing or rubber ring joints complete in all respects including clamps, tees, Y tees, Cou, reducers, clean out WC - Elbow Adapter etc. complete in all respects 4" (110mm) dia Pipe Dades/Beta.	N/S	110.00	RR

The Islamia University of Bahawalpur
Renovation of Guest House (Main Entry & VVIP Block) at

	Discription	REF	Qty
4	Providing, laying, fixing and testing uPVC plain ends socketed pipes Soil Waste vent & rain water as per approved make and quality including uPVC fittings with solvent cement jointing or rubber ring joints complete in all respects including clamps, tees, Y-tees, Cowl reducers, clean out WC, Elbow Adopter etc. complete in all respects 3" dia (82mm) Pipe Dadox/Beeta	N/S	110.00 Rft
5	Providing & Fixing Water Closet (WC) HDD9 Porta or equivalent, company Coloured, complete in all respects & as approved by the Engineer Incharge	N/S	4.00 Nos.
6	Providing & Fixing wash hand basin with pedestal coloured "IFO" model HD16 Porta or equivalent Quality) complete in all respects & as approved by the Engineer Incharge	N/S	4.00 Nos.
7	Providing & Fixing Flush Tank/ Slim line (HD3 Porta or equivalent Quality) complete in all respects & as approved by the Engineer Incharge	N/S	4.00 Nos.
8	Providing & Fixing Comode Couple set IFO model (HD 201 Porta or equivalent Quality) complete in all respects & as approved by the Engineer Incharge	N/S	4.00 Nos.
9	Providing & Fixing mirror 2'x2' size best quality complete in all respects & as approved by the Engineer Incharge	N/S	4.00 Nos.
10	Providing & Fixing chromium plated (CP) Bath Set model No. 421/424 included Wall Shower, Basin Mixture, Tee cocks & Muslim shower with double Bibcock Sonex or equivalent, best quality complete in all respects & as approved by the Engineer Incharge	N/S	4.00 Nos.
11	Providing & Fixing Bath Set full steel (Shelf, Towel Rail, Tooth Brush Holder & Soap Dish) Choice or equivalent, best quality complete in all respects & as approved by the Engineer Incharge	N/S	4.00 Nos.
12	Providing & fixing floor Steel Jali best quality complete in all respect & as approved by the Engineer Incharge	N/S	8.00 Nos.
13	Providing & Fixing Stainless Steel Flush Bend 1.25" dia (heavy duty), complete in all respects & as approved by the Engineer Incharge.	N/S	4.00 Nos.