

**The Islamia University of Bahawalpur**  
**Providing & Fixing Main Entrance Sliding Gate at Baghdad-ul-Jadeed Campus**

**Civil Work**

MRS Jan to Jun, 2017

No	Ref	Description	Quantity	Rate	Unit	Amount	
1		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	500.00	Cft	6130.10	%o Cft	3,065.05
2		Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	50.00	Cft	12253.40	% Cft	6,126.70
3		Pacca brick work in foundation & plinth with cement sand mortar (1:3)	200.00	Cft	17911.10	% Cft	35,822.20
4		Cement plaster 1:5 upto 20' (6.00 mm) height:- ½" (13 mm) thick	500.00	Sft	1667.65	% Sft	8,338.25
5		Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:2:4	300.00	Cft	20902.20	% Cft	62,706.60
6		Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, re-venting, handling, assembling and fixing, but including erection in position.	100.00	Kg	12051.40	% Kg	12,051.40
<b>Total</b>						<b>128,110.00</b>	

**Civil Work (Non-Schedule)**

No	Ref	Description	Quantity	Rate	Unit	Amount	
1		Providing and fixing sliding gate at main entrance using M.S angle iron box section 2" x 2" x 3/8" for frame, M.S squarebars 3/4" x 3/4" vertical 4" centre to centre, M.S plain bars 1/2" dia for circles with M.S Flat iron 2" x 1/4" on top and bottom of circles, M.S Angle iron 3" x 3" x 3/8" with 3/4" dia polished bar at base for sliding, heavy duty Metal wheels 6" dia with bearings, M.S channel section 6" x 3" for holding the gate including 4" x 2" M.S channel section on top i/c Gun Metallic machine spray paint best quality as per design and drawings and as approved by the Engineer Incharge complete in all respect.	880.00	Sft	983.00	Per Sft	865040.00
2		Providing and fixing Engraved Logo in Brass Finish with brass plate suitable size i/c University Monogram & Writing etc including MS sheet base plate of 16 SWG as per design and drawings and as approved by the Engineer Incharge complete in all respect as approved by the engineer incharge.	4.00	No	30577.00	Each	122308.00
<b>Total</b>						<b>987,348.00</b>	
<b>Grand Total</b>						<b>1,115,458.00</b>	

**The Islamia University of Bahawalpur**  
**Construction of Lecture Theaters (5 Units) at Baghdad-ul-Jadeed Campus**

MRS Jan to Jun, 2017

No	Ref. No.	Description	Quantity	Rate	Unit	Amount	
<b>Civil Work (Schedule)</b>							
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	15000.00	Cft	6130.10	%o Cft	91,951.50
2	26/42	Providing and Spraying anti-termites liquid mixed with water in the ratio of 1:40 as approved by the Engineer Incharge.	12000.00	Sft	220.85	% Sft	26,502.00
3	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: i) Ratio 1:4:8	2500.00	Cft	12253.40	% Cft	306,335.00
		ii) Ratio 1:6:12	3000.00	Cft	10310.25	% Cft	309,307.50
4	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	4000.00	Cft	16294.20	% Cft	651,768.00
5	6/33	Providing & laying 1.50" thick damp proof course with cement concrete 1:2:4 including one layer bitumen and one layer polythene sheet	600.00	Sft	4288.15	% Sft	25,728.90
6	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3, ½ " thick (13 mm)	1500.00	Sft	3057.35	% Sft	45,860.25

No	Ref	Description	Quantity	Rate	Unit	Amount
7	6/6 a	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	4500.00	Cft	243.30	Per Cft 1,094,850.00
8	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	9914.00	Cft	2935.70	%o Cft 29,104.53
			15000.00	Cft	8501.60	%o Cft 127,524.00
9	7/5	Pacca Brick work in Ground Floor with cement sand mortar i) Ratio 1:5 ii) Ratio 1:3	7000.00	Cft	17869.10	% Cft 1,250,837.00
			500.00	Cft	19112.30	% Cft 95,561.50
10	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars. 40-Grade	24000.00	Kg	10030.50	% Kg 2,407,320.00
11	6/6	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 i) Type C (nominal mix 1: 2:4) ii) Type B (nominal mix 1: 1.5:3)	300.00	Cft	335.75	Per Cft 100,725.00
			7500.00	Cft	364.95	Per Cft 2,737,125.00
12	12/14	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" (40x40x6 mm) welded with M.S. flat 2"x ¼"	450.00	Sft	138.10	Per Sft 62,145.00
13	12/24	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	450.00	Sft	359.90	Per Sft 161,955.00
14	25/53	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x3/4") and 'leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. 1.6 mm thick	400.00	Sft	667.75	Per Sft 267,100.00
15	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	8500.00	Sft	1978.05	% Sft 168,134.25
16	11/11	Cement plaster 1:5 upto 20' (6.00 mm) height:- i) ½" (13 mm) thick ii) ¾" (20 mm) thick	20000.00	Sft	1667.65	% Sft 333,530.00
			17000.00	Sft	2262.50	% Sft 384,625.00
17	9/35	Providing & Laying Roof insulation comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" 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	6500.00	Sft	7069.95	% Sft 459,546.75
18	7/30	Supplying and filling sand under floor; or plugging in wells.	5000.00	Cft	1682.00	% Cft 84,100.00
19	6/2	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	7500.00	Cft	3564.00	% Cft 267,300.00
20	10/42	Providing & fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8"	2000.00	Rft	6.60	Per Rft 13,200.00
21	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 2" (50 mm) thick	3000.00	Sft	4724.05	% Sft 141,721.50
22	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:2:4	500.00	Cft	20902.20	% Cft 104,511.00
23	11/22	Priming coat of chalk under distemper.	45500.00	Sft	131.70	% Sft 59,923.50
24	13/31	Preparing surface and painting with emulsion paint:- 3 coats New surface	35500.00	Sft	1122.55	% Sft 398,505.25
25	13/32-a	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: 3 coats New surface	10000.00	Sft	2793.20	% Sft 279,320.00
26	13/5-c	Painting door & window any type new surface 3 coats	2000.00	Sft	1521.45	% Sft 30,429.00
			<b>Total Civil work (Schedule)</b>			<b>12,516,546.00</b>

No	Ref	Description	Quantity	Rate	Unit	Amount
		<b>Civil Work (Non-Schedule)</b>				
1	N.S	Providing and laying coloured glazed tile Dado/Floor 12" x 24" size SED series on Light color non-rectified ST laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respects as approved by Engineering incharge.	1750.00	Sft	178.00	Per Sft 311,500.00
2	N.S	Providing and laying Floor Tile 16"x16"(Wooden Texture Granite) series on Dark color base class SB) including 05% Wastage laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 as approved by Engineering incharge	6700.00	Sft	215.00	Per Sft 1,440,500.00
3	N.S	Providing & Fixing safty grill with 3/8" x 3/8" twisted steel bar fixed with iron patti frame 2" x 3/16" as per drawing and designed complete in all respect.	400.00	Sft	267.00	Per Sft 106,800.00
4	N.S	Providing & laying 3/4" Thick Marble Slab (Boticeena / 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)	70.00	Sft	298.58	Per Sft 20,900.60
5	N.S	Providing & fixing Kitchen cabinet consisting of lamination board 3/4" thick for leaves deodar wood frame 3"x1", Gola for leaf 3/4"x3/4" including spirrit polish for gola complete in all respects as per design, drawing & pattern and as approved by the engineer incharge	70.00	Sft	346.00	Per Sft 24,220.00
		i) Down Portion	50.00	Sft	492.00	Per Sft 24,600.00
		ii) Top Portion				
		<b>Total Civil Work (N.S)</b>				<b>1,928,521.00</b>
		<b>Electrical Work</b>				
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
		i) 3/4" i/d (20 mm)	1000.00	Rft	38.35	Per Rft 38,350.00
		ii) 1" i/d (25 mm)	1500.00	Rft	45.30	Per Rft 67,950.00
		ii) 2" i/d (50 mm)	500.00	Rft	76.80	Per Rft 38,400.00
2	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).				
		i) 3/0.74 mm (3/0.029")	5000.00	Rft	11.45	Per Rft 57,250.00
		ii) 7/0.74 mm (7/0.029")	4500.00	Rft	15.75	Per Rft 70,875.00
		iii) 7/1.12 mm (7/0.044")	5000.00	Rft	31.95	Per Rft 159,750.00
3	24/14	Supply & erection of M.S. sheet box of 16 SWG 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs				
		i) 10 x 10 cm (4"x4")	24.00	No	152.70	Each 3,664.80
		ii) 17.5 x 10 cm (7"x4")	20.00	No	201.40	Each 4,028.00
		iii) 20 x 25 cm (8"x10")	10.00	No	369.40	Each 3,694.00
4	24/31	Supply & Erection switches 5 amp piano type	125.00	No	34.05	Each 4,256.25
5	24/30	Supply & Erection ceiling rose backalite	20.00	No	37.25	Each 745.00
6	24/36	Supply and erection of 3 pin switch and plug combined, recessed type				
		i) 5 Amp	20.00	No	69.95	Each 1,399.00
		ii) 10/15 Amp	10.00	No	95.65	Each 956.50
7	24/13-d-v	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 19/2.11 mm (19/0.083")	400.00	Rft	1418.35	Per Rft 567,340.00
		<b>Total Electrical (Schedule)</b>				<b>1018659.00</b>
		<b>Electrical work (Non-Schedule)</b>				
1	N.S	Supply, installation, fixing, wiring, testing and commissioning of fans with required requisite sweep including cost of blades, hanging rod, canopy, capacitor, stepless dimmer/regulator, bracket, nuts, bolts and all mounting arrangement, complete in all respects as approved by the engineer incharge				
		i) Fan 56" sweep (Pak Fan, Royal)	40.00	No	4593.00	Each 183,720.00
		ii) Bracket Fan 18" (iron body)	10.00	No	3413.00	Each 34,130.00
		iii) Exhaust Fan 20" (iron body)	2.00	No	4013.00	Each 8,026.00
2	N.S	Supply installation, testing & commissioning of sub distribution board (DB) wall mounted type mae of 16 SWG sheet with stove enamelled paint & hinged door as per approved design				
		i) DB-1 for Labs with following details				
		<b>INCOMMING</b>				
		1x100 Amps 3 Phase MCCB				
		<b>OUTGOING</b>				
		10 Nos 20 Amps single phase				
		10 Nos 10 Amps single phase				
		10 Nos 6 Amps single phase including volt meter, Amp. Meter and neon phase lights, DB size 30"x24"	1.00	No	22948.00	Each 22,948.00
3	N.S	Supply & Erection of Power Plug 20 Amp best				

No	Ref	Description	Quantity		Rate	Unit	Amount
4	N.S	quality Bush company as required at site of work complete in all respects as approved by the engineer incharge.	20.00	No	391.00	Each	7,820.00
		Supply and erection Fancy Light with LED Bulb Phillips (3 Watt) on external side of the building best quality as approved by the engineer incharge.	10.00	No	2784.00	Each	27,840.00
5	N.S	Supply & installation of plastic fan box best quality complete in all respects as approved by the engineer incharge	40.00	No	103.00	Each	4,120.00
6	N.S	Supply and erection of energy saver lamp 23 watt (Phillips) i/c large size backalite holder as approved by the engineer incharge	120.00	No	319.00	Each	38,280.00
<b>Total Electrical (Non-Schedule)</b>							<b>326,884.00</b>
		<b>Plumbing Work</b>					
1	19/3	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured	4.00	No	1389.80	Each	5,559.20
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.	4.00	No	1151.00	Each	4,604.00
3	19/34	P/F "P" trap:- 10 cm (4") glazed.	17.00	No	130.75	Each	2,222.75
4	19/27	Providing and fixing chromium plated tee stop cock 15mm (½")	15.00	No	451.10	Each	6,766.50
5	19/26	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	7.00	No	331.10	Each	2,317.70
6	19/23	Providing and fixing chromium plated pillar cock: 1.5 cm (½")	7.00	No	697.10	Each	4,879.70

No	Ref	Description	Quantity		Rate	Unit	Amount
7	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	7.00	No	379.10	Each	2,653.70
8	19/22	Providing and fitting:- i) Plastic soap dish	7.00	No	158.50	Each	1,109.50
		ii) plastic shelf 60x13 cm (24"x5") with bracket and railing.	7.00	No	428.10	Each	2,996.70
		iii) Plastic towel rail	7.00	No	247.25	Each	1,730.75
9	9/5	Providing and fixing chromium plated bottle trap with waste pipe, etc. complete:- 4 cm (1½")	1.00	No	673.60	Each	673.60
10	19/6	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	4.00	No	2646.75	Each	10,587.00
11	21/15A	Providing and fixing 3" (75 mm) thick R.C.C. manhole 'cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	4.00	No	2979.35	Each	11,917.40
12	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (9") i/d	100.00	Rft	334.15	Per Rft	33,415.00
			<b>Total Plumbing Work</b>				<b>91,434.00</b>
<b>Plumbing Work (Non-Schedule)</b>							
1	N.S	Providing, Laying, Fixing, testing uPVC plain ends socket pipe Type-B soil wste, 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 4" dia Pipe	200.00	Rft	185.00	Per Rft	37,000.00
2	N.S	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 conect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site i) 32 mm dia ii) 25 mm dia	300.00	Rft	97.87	Per Rft	29,361.00
			150.00	Rft	78.00	Per Rft	11,700.00
3	N.S	Providing & Fixing glazed earthen ware counter basin (Vanidy) best quality as approve by the engineer incharge	3.00	No	4224.00	Each	12,672.00
4	N.S	Providing & Fixing Muslim shower with double bib cock best quality as approved by the engineer incharge	3.00	No	2782.00	Each	8,346.00
5	N.S	Providing & Fixing glazed earthen ware couple set (commode & flush tank bombed) best quality as approved by the engineer incharge	3.00	No	5902.00	Each	17,706.00
6	N.S	Providing and fitting Grab Bar standred size set complete in all respect as approved by the engineer incharge.	2.00	No	1746.00	Each	3,492.00
7	N.S	Providing and fixing stainless steel bowl sink 17"x21" size best quality i/c waste pipe & waste coupling etc. Complete in all respect and approved by Engineering Incharge. (Master Company)	1.00	Nos	3606.00	Each	3,606.00
8	N.S	Providing & Fitting plastic floor jali	10.00	No	210.00	Each	2,100.00
			<b>Total Plumbing Work (N.S)</b>				<b>125,983.00</b>

No	Ref	Description	Quantity	Rate	Unit	Amount
<b>External Development</b>						
<b>Walk Way &amp; Lawn Lights</b>						
1	3/5-i	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 95% maximum modified AASHO dry density. i) Lead upto One Chain	10000.00 Cft	5,033.00	%o Cft	50,330.00
2	3/21-b	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.	6000.00 Cft	6130.10	%o Cft	36,780.60
3	6/3	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	990.00 Cft	10310.25	% Cft	102,071.48
4	7/4	Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:6	2250.00 Cft	16294.20	% Cft	366,619.50
5	6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	150.00 Cft	20902.20	% Cft	31,353.30
6	10/43	Providing & Laying Tuff pavers having 7000 PSI crushing strength of approved manufacturer over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to required slope. Complete in all respects 50% grey / 50% coloured 60mm thick	10000.00 Sft	96.05	Per Sft	960,500.00
<b>Total</b>						<b>1,547,655.00</b>

1	24/3	<b>External Electrical Work</b> 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) ¾" i/d (20 mm) ii) 1" i/d (25 mm) iii) 2" i/d (50 mm)	150.00 Rft 200.00 Rft 1000.00 Rft	20.05 25.45 60.85	Per Rft Per Rft Per Rft	3,007.50 5,090.00 60,850.00
2	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). i) 3/0.74 mm (3/0.029") ii) 7/0.74 mm (7/0.029") iii) 7/1.12 mm (7/0.044")	500.00 Rft 200.00 Rft 2000.00 Rft	11.45 15.75 31.95	Per Rft Per Rft Per Rft	5,725.00 3,150.00 63,900.00
3	24/19	Supply and erection of iron/aluminum clad, 500 volts main switches with triple pole and neutral link and HRC fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles. 100 Amp	2.00 No	4571.85	Each	9,143.70
<b>Total</b>						<b>150,866.00</b>

1	NS	<b>External Electrical Work (Non-Schedule)</b> Supply, installation & connection of Garden light ground mounted with 18W LED Bulb (220V~, E-27, Day light, Philips or Equivalent), . I/c Concrete mounting foundation and any accessories required at site. Complete in all respects as approved by the engineer incharge.	60.00 No	5820.00	Each	349,200.00
2	NS	Supply & Installation of Light Activated (photo diode) switch, single phase, 16A and any accessories required at site. Complete in all respects as approved by the engineer incharge.	2.00 No	3120.00	Each	6,240.00
<b>Total</b>						<b>355,440.00</b>

No	Ref. No.	Description	Quantity	Rate	Unit	Amount
1	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	9000.00 Cft	5,118.60	%o Cft	46,067.40
2	6/2	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	1800.00 Cft	3,564.00	% Cft	64,152.00
3	6/3	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	250.00 Cft	10,310.25	% Cft	25,775.63
4	7/4	Pacca brick work in foundation and plinth in Cement Sand Mortar Ratio 1:4	540.00 Cft	17,165.20	% Cft	92,692.08
5	11/9	Cement Plaster 1:4 upto 20' height 1/2" thick	1200.0 Sft	1,745.05	% Sft	20,940.60
6	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	96.00 Cft	20,902.20	% Cft	20,066.11
7	21/1	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or				

No	Ref	Description	Quantity	Rate	Unit	Amount	
8	21/15	collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (9") i/d	600.00	Rft	337.80	Per Rft	202,680.00
		Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	12.00	No	5,681.45	Each	68,177.40
9	9/12	Two coats of bitumen laid hot using 34 lbs. per %Sft, or 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m)	1200.0	Sft	1,595.80	% Sft	19,149.60
10	26/37	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	1200.00	Sft	3.80	Per Sft	4,560.00
11	3/13	Rehandling of earthwork: Lead upto a single throw of Kassi, pharaoh or shovel	9000.00	Cft	1,452.00	%o Cft	13,068.00
<b>Total</b>						<b>577,329.00</b>	

<b>External Water Supply</b>							
<b>Civil Work</b>							
1	3/44	Excavation of trenches in all kinds of soil, except cutting rock, for water supply pipelines 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.	6000.0	Cft	4,366.55	%o Cft	26,199.30
2	6/3	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- Ratio 1:6:12	100.00	Cft	10,310.25	% Cft	10,310.25
3	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bar, 40-Grade.	125.00	Kg	10,030.50	% Kg	12,538.13
4	6/6	Reinforced Cement Conc in roof slabs beams, columns, lintles and other structural members cast-in-situ. Complete in all respect. Type C (nominal mix 1:2:4)	50.00	Cft	335.75	Per Cft	16,787.50
5	6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:2:4	50.00	Cft	20,902.20	% Cft	10,451.10
6	7/4	Pacca brick work in foundation and plinth in:- cement sand mortar Ratio 1:4	250.00	Cft	17,165.20	% Cft	42,913.00
7	11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick	600.00	Sft	1,745.05	% Sft	10,470.30
<b>Total</b>						<b>129,670.00</b>	

<b>Plumbing work</b>							
No	Ref	Description	Quantity	Rate	Unit	Amount	
1	23/29	Providing and fixing cast iron specials of B.S.S. Class 'B' (such as bend, tee, cross collar, reducer, tail piece, flanged socket, flanged spigot, cap, taper, angle branch, plug, etc) for Asbestos cement pipe line, with comet joint and rubber ring, complete 3" to 6" (80 to 150 mm) i/d	150.00	Kg	110.90	Per Kg	16,635.00
<b>Total</b>						<b>16,635.00</b>	

<b>Plumbing work (Non-Schedule)</b>							
No	Ref	Description	Quantity	Rate	Unit	Amount	
1	N.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 4" dia	1000.00	Rft	330.00	Per Rft	330,000.00
2	N.S	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 4" dia	2.00	No	21,425.00	Each	42,850.00
3	N.S	Supply & Erection of Jabal joint for B-class working pressurer uPVC water supply line to connect with Asbestos water supply line complete in all respects as approved by the engineer incharge i) 6" dia ii) 4" dia	1.00 1.00	No No	5,225.00 3,032.50	Each Each	5,225.00 3,032.50
<b>Total</b>						<b>381,108.00</b>	

**Total External Water Supply 527,413.00**

<b>Air Conditioning</b>						
No	Ref. No.	Description	Quantity	Rate	Unit	Amount

No	Ref	Description	Quantity	Rate	Unit	Amount	
1	N.S	Supply, installation and commissioning of 2.0 tone split type wall mounting air conditioner including thermal insulated copper pipe, power and control wires and any other accessories as required at site of work complete in all respect as approved by the Engineer incharge (SAMSUNG, LG, PEL)	19.00	No	114,000.0	Each	2,166,000.00
<b>Total</b>						<b>2,166,000.00</b>	

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**The Islamia University of Bahawalpur**  
**Construction of Residences Category-B at Baghdad-ul-Jadeed Campus**

**Civil Work**

MRS Jan-Jun, 2017

No	Ref #	Description	Quantity	Rate	Unit	Amount	
1	3/21-b	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	9635.70	Cft	6130.10	%o Cft	59,067.80
2	26/42	Providing and Spraying anti-termite liquid mixed which water in the ration of 1:40 as approved by the Engineer Incharge.	7804.00	Sft	220.85	% Sft	17,235.13
3	6/3-b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	1130.00	Cft	12253.40	% Cft	138,463.42
4	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	3531.00	Cft	16294.20	% Cft	575,348.20
5	6/33	Providing & laying 1.50" thick demp proof course with cement concrete 1:2:4 including one layer bitumen and one layer polythene sheet	549.00	Sft	4288.15	% Sft	23,541.94
6	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3, ¾" thick	327.00	Sft	3057.35	% Sft	9,997.53
7	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	798.00	Cft	243.30	Per Cft	194,153.40
8	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	5026.00	Cft	2935.70	%o Cft	14,754.83
			6319.00	Cft	8501.60	%o Cft	53,721.61
9	7/5	Pacca Brick work in Ground Floor with cement sand mortar i) Ratio 1:5 ii) Ratio 1:3	3892.00	Cft	17869.10	% Cft	695,465.37
			100.00	Cft	19112.30	% Cft	19,112.30
10	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars. 40-Grade	8189.00	Kg	10030.50	% Kg	821,397.65
11	6/6	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 i) Type C (nominal mix 1: 2:4) ii) Type B (nominal mix 1: 1.5:3)	235.00	Cft	335.75	Per Cft	78,901.25
			1624.00	Cft	364.95	Per Cft	592,678.80
12	12/14	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" (40x40x6 mm) welded with M.S. flat 2"x ¼"	148.00	Sft	138.10	Per Sft	20,438.80
13	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	449.00	Sft	359.90	Per Sft	161,595.10



No	Ref	Description	Quantity	Rate	Unit	Amount	
14	25/53	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x3/4") and 'leaf frame sections of 50 x 20 mm (2"x3/4"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. 1.6 mm thick	441.00	Sft	667.75	Per Sft	294,477.75
15	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	2792.00	Sft	1978.05	% Sft	55,227.16
16	11/11	Cement plaster upto 20' (6.00 mm) height:- 1/2" (13 mm) thick	11566.00	Sft	1667.65	% Sft	192,880.40
	11/8	i) Ratio 1:5 ii) Ratio 1:3	270.00	Sft	1838.10	% Sft	4,962.87
17	9/35	Providing & Laying Roof insulation comprising of single layer of tiles 9"x4 1/2"x1 1/2" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" 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	2962.00	Sft	7069.95	% Sft	209,411.92
18	7/30	Supplying and filling sand under floor; or plugging in wells.	1107.00	Cft	1682.00	% Cft	18,619.74
19	6/2	Dry rammed brick or stone ballast, 1 1/2" to 2" 40 mm to 50 mm) gauge.	1264.00	Cft	3564.00	% Cft	45,048.96
20	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1 1/2" x 3/8"	932.00	Rft	6.60	Per Rft	6,151.20
21	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 2" (50 mm) thick	1225.00	Sft	4724.05	% Sft	57,869.61
22	6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:2:4	150.00	Cft	20902.20	% Cft	31,353.30
23	11/22	Priming coat of chalk under distemper.	9377.00	Sft	131.70	% Sft	12,349.51
24	13/31	Preparing surface and painting with emulsion paint:- 3 coats New surface	17924.00	Sft	1122.55	% Sft	201,205.86
25	13/32A	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: 3 coats New surface	3971.00	Sft	2793.20	% Sft	110,917.97
26	13/5	Painting door & window any type new surface 3 coats	1106.00	Sft	1521.45	% Sft	16,827.24
27	9/15	Making Khuras on roof 2'x2' size	7.00	No	462.10	Each	3,234.70
28	12/48	Providing and fixing 1 1/2" (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 1 1/2"x1 1/2"x1/4", welded (40 mm x 40 mm x 6mm) with M.S. flat 2"x1/4" (50 mm x 6 mm)	60.00	Sft	637.60	Per Sft	38,256.00
29	12/12 -b	First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze, 12x12 meshes per square inches (5x5 per cm2) including iron fittings etc. complete: Deodar wood framing 1 1/2" (40 mm) thick, with wire gauze fixed in position:- with springs or spring hinges	82.00	Sft	405.80	Per Sft	33,275.60
30	12/18	Providing and fixing sliding bolt to doors:- brass sliding bolt, 12" (300 mm) long	12.00	No	337.75	Each	4,053.00
						<b>Total</b>	<b>4,811,996.00</b>

No	Ref	Description	Quantity	Rate	Unit	Amount	
<b>Civil Work (Non-Schedule)</b>							
No	Ref.	Description	Quantity	Rate	Unit	Amount	
1	N.S	Providing and fixing M.S. Sheet hollow pressed frame of doors, (Chowkhat only) double rebate for 9" thick wall of 16 SWG welded with M.S. flat 7.5"x1-1/4"x1/8" M.S. hold fast 9"x1"x1/8" welded/ screwed 4" (100mm) long iron hinges including fitting chowkhat with cement sand mortar 1:8 and embedding hold fast in cement concrete 1:2:4, anti rust paint, enamel paint 3 coats complete in all respects & as approved by the engineer incharge. i) Single Rebate ii) Double Rebate	270.00 122.00	Sft Sft	248.00 272.00	Per Sft Per Sft	66,960.00 33,184.00
2	N.S	Providing and laying coloured glazed tile Dado/Floor 12" x 24" size (BELLO (BL) series on Dark color base class SB) laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respects as approved by Engineering incharge.	1802.00	Sft	178.00	Per Sft	320,756.00
3	N.S	Providing and laying Floor Tile 16" x 16" Granite effect, GEM series Polished (Dark color) ST) including 05% Wastage laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respects as approved by Engineering incharge	2612.00	Sft	215.00	Per Sft	561,580.00
4	N.S	Providing & Fixing safty grill with 3/8" x 3/8" twisted steel bar fixed with iron patti frame 2" x 3/16" as per drawing and designed complete in all respect.	450.00	Sft	267.00	Per Sft	120,150.00
5	N.S	Providing & laying 3/4" Thick Marble Slab (Boticeena / 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)	125.00	Sft	298.58	Per Sft	37,322.50
6	N.S	Providing & fixing MS pipe Terrace railing consisting of MS pipe 1.5" dia vertical and top, 3/4" dia MS Pipe for support complete in all respects and duly painted as approved by the engineer incharge.	66.00	Sft	320.00	Per Sft	21,120.00
7	N.S	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, Sprite polish complete in all respects including aluminium hanger rod etc. as approved by the Engineer Incharge.	241.00	Sft	343.00	Per Sft	82,663.00
8	N.S	Providing & fixing Kitchen cabinet consisting of lamination board 3/4" thick for leaves deodar wood frame 3"x1", Gola for leaf 3/4"x3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern and as approved by the engineer incharge i) Down Portion ii) Top Portion	35.00 83.00	Sft Sft	346.00 492.00	Per Sft Per Sft	12,110.00 40,836.00
9	N.S	Providing & fixing beading size 2.5"x3/4" for door & window of approved quality & design duly polished, complete in all respects as approved by the Engineer Incharge.	439.00	Sft	44.00	Per Sft	19,316.00
10	N.S	Extra labour for structural work of parapit according to the drawing complete in all respects as approved by the Engineer Incharge.	219.00	Rft	95.00	Per Rft	20,805.00
11	N.S	Extra labour & cost for Preparation surface of emulsion paint including rubbing and finishing complete in all respects as approved by the Engineer Incharge.	9377.00	Sft	8.00	Per Sft	75,016.00
12	N.S	Providing & Fixing pre-cast mud khupprail preparing surface area with 1:3 cement sand mortar 3/4" thick complete in all respects as approved by the Engineer Incharge.	97.00	Sft	196.00	Per Sft	19,012.00
13	N.S	Providing & Fixing Megnit stopper for doors with screws complete in all respects as approved by the Engineer Incharge.	15.00	No	131.00	Each	1,965.00
14	N.S	Preparing surface & applying siprit polish best quality complete in all respects as approved by the Engineer Incharge.	97.00	Sft	92.50	Per Sft	8,972.50
15	N.S	Providing and Applying termite proofing with biflex/tenakil liquid mixed which water in the ratio of suitable mixing complete in all respects as approved by the Engineer Incharge.	2500.00	Sft	7.43	Per Sft	18,575.00
						<b>Total</b>	<b>1,460,343.00</b>
<b>Electrical Work</b>							
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 2" i/d (50 mm)	999.00 292.00 44.00	Rft Rft Rft	38.35 45.30 76.80	Per Rft Per Rft Per Rft	38,311.65 13,227.60 3,379.20
2	24/10	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip					

No	Ref	Description	Quantity		Rate	Unit	Amount
		batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).					
		i) 3/0.74 mm (3/0.029")	5920.00	Rft	11.45	Per Rft	67,784.00
		ii) 7/0.74 mm (7/0.029")	2344.00	Rft	15.75	Per Rft	36,918.00
		iii) 7/1.12 mm (7/0.044")	1080.00	Rft	31.95	Per Rft	34,506.00
3	24/14	Supply & erection of M.S. sheet box of 16 SWG 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs					
		i) 10 x 10 cm (4"x4")	20.00	No	152.70	Each	3,054.00
		ii) 17.5 x 10 cm (7"x4")	10.00	No	201.40	Each	2,014.00
		iii) 22.5 x 10 cm (9"x4")	10.00	No	258.00	Each	2,580.00
		iii) 20 x 25 cm (8"x10")	10.00	No	369.40	Each	3,694.00
4	24/31	Supply & Erection switches 5 amp piano type	125.00	No	34.05	Each	4,256.25
5	24/30	Supply & Erection ceiling rose bakelite	50.00	No	37.25	Each	1,862.50
6	24/36	Supply and erection of 3 pin switch and plug combined, recessed type					
		i) 5 Amp	20.00	No	69.95	Each	1,399.00
		ii) 10/15 Amp	10.00	No	95.65	Each	956.50
7	24/39	Supply and erection of button holder. bakelite large size	20.00	No	29.60	Each	592.00
8	24/28	Supply and erection of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").	1.00	No	237.05	Each	237.05
9	24/54	Supply and erection of house service pipe Henley (G.I. Pipe water quality) or pole type, 50 mm (2") dia, erected to instal insulated overhead line, include shackle insulator for holding insulated wire and straining devices for bearer wire and other accessories etc., complete.	10.00	Rft	265.95	Per Rft	2,659.50
10	24/60	Supply and erection of G.I. wire of all sizes, including binding wire No. 16 SWG for support of rubber wire or earthing wire, pole to pole etc.	10.00	Kg	135.15	Per Kg	1,351.50
11	24/13 -c	Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. (07/0.064")	211.00	Rft	270.70	Per Rft	57,117.70
						<b>Total</b>	<b>275900.00</b>
1	N.S	<b>Electrical work (Non-Schedul)</b> Supply, installation, fixing, wiring, testing and commissioning of fans with required requisite sweep including cost of blades, hanging rod, canopy, capacitor, stepless dimmer/regulator, bracket, nuts, bolts and all mounting arrangement, complete in all respects as approved by the engineer incharge					
		i) Fan 56" sweep (Pak Fan, Royal)	14.00	No	4593.00	Each	64,302.00
		ii) Exhaust Fan 12" (Plastic body)	6.00	No	2613.00	Each	15,678.00
2	N.S	Supply installation, testing & commissioning of sub distribution board (DB) wall mounted type mae of 16 SWG sheet with stove enamelled paint & hinged door as per approved design					
		i) DB-1 for Labs with following detailes <b>INCOMMING</b> 1x100 Amps 3 Phase MCCB <b>OUTGOING</b> 10 Nos 20 Amps single phase 10 Nos 10 Amps single phase 10 Nos 6 Amps single phase including volt meter, Amp. Meter and neon phase lights, DB size 30"x24"	1.00	No	22948.00	Each	22,948.00
3	N.S	Supply and erection of energy saver lamp 23 watt (Philips) i/c large size bakelite holder as approved by the engineer incharge	44.00	No	319.00	Each	14,036.00
4	N.S	Supply & installation of plastic fan box best quality complete in all respects as approved by the engineer incharge	14.00	No	103.00	Each	1,442.00
5	N.S	Supply and erection of Gate Light with Energy saver lamp 23 watt (Philips) complete in all respects as approved by the engineer incharge	2.00	No	765.00	Each	1,530.00
6	N.S	Supply and erection of 3-phase Energy meter i/c Sheet iron box duly painted complete in all respects as approved by the engineer incharge	1.00	No	18382.00	Each	18,382.00
7	N.S	Supply & Erection of Power Plug 20 Amp best quality Bush company as requiered at site of work complete in all respects as approved by the engineer incharge.	12.00	No	391.00	Each	4,692.00
8	N.S	Supply and erection Fancy Light with LED Bulb Phillips (3 Watt 2 Nos.) on external side of the building best quality as approved by the engineer incharge.	12.00	No	2784.00	Each	33,408.00
9	N.S	Providing and Laying earthing for Electric equipments					

No	Ref	Description	Quantity		Rate	Unit	Amount
		i/c boring up to moisture level (up to 60' below ground level) 4" i/d including copper strip 14" x 2" x 1/4" (350 x 50 x 6 mm) connecting with 1 Nos.bare copper wire of No.8 SWG to be run in PVC pipe 20mm i/d, 1 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip i/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	1.00	No	10827.00	Each	10,827.00
						<b>Total</b>	<b>187,245.00</b>
1	19/3	<b>Plumbing Work</b> Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured	4.00	No	1415.25	Each	5,661.00
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.	4.00	No	1180.05	Each	4,720.20
3	19/34	P/F "P" trap:- 10 cm (4") glazed.	19.00	No	136.65	Each	2,596.35
4	19/27	Providing and fixing chromium plated tee stop cock 15mm (1/2")	16.00	No	453.50	Each	7,256.00
5	19/26	Providing and fixing chromium plated bib cock:- 1.5 cm (1/2")	7.00	No	333.50	Each	2,334.50
6	19/23	Providing and fixing chromium plated pillar cock: 1.5 cm (1/2")	2.00	No	699.50	Each	1,399.00
7	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	5.00	No	383.70	Each	1,918.50
8	19/22	Providing and fitting:- i) Plastic soap dish ii) plastic shelf 60x13 cm (24"x5") with bracket and railing. iii) Plastic towel rail iv) plastic toilet paper holder	5.00 5.00 5.00 5.00	No No No No	160.30 431.20 249.60 225.60	Each Each Each Each	801.50 2,156.00 1,248.00 1,128.00
9	19/6	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	5.00	No	2679.75	Each	13,398.75
10	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	6.00	No	1558.40	Each	9,350.40
11	19/43	Providing and fixing, brass gas cock:- i) 15 mm (1/2") dia ii) 20 mm (3/4") dia	8.00 2.00	No No	84.90 126.90	Each Each	679.20 253.80
12	19/39	Supply and fitting of cast iron manhole cover with frame, etc. complete. 45 cm (18") dia	8.00	No	869.25	Each	6,954.00
13	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality i) 1/2" i/d (15 mm) ii) 1" i/d (25 mm) iii) 2" i/d (50 mm)	28.00 252.00 226.00	Rft Rft Rft	57.75 108.30 216.60	Per Rft Per Rft Per Rft	1,617.00 27,291.60 48,951.60
14	21/01	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1 1/2:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (6") i/d	210.00	Rft	132.15	Per Rft	27,751.50
15	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	500.00	Cft	5118.60	%o Cft	2,559.30
16	21/15	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	1.00	No	5681.45	Each	5,681.45
						<b>Total</b>	<b>175,708.00</b>
1	N.S	<b>Plumbing Work (Non-Schedule)</b> Providing, Laying, Fixing, testing uPVC plain ends socket pipe Type-B soil wste, 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 4" dia Pipe	380.00	Rft	185.00	Per Rft	70,300.00
2	N.S	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 conect polydex pipes to other pipe and shower, wash basin, bibcock etc.					

No	Ref	Description	Quantity	Rate	Unit	Amount	
		as required at site					
		i) 32 mm dia	376.00	Rft	97.87	Per Rft	36,799.12
		ii) 25 mm dia	288.00	Rft	78.00	Per Rft	22,464.00
3	N.S	Providing & Fixing Muslim shower with double bib cock best quality as approved by the engineer incharge	3.00	No	2782.00	Each	8,346.00
4	N.S	Providing & Fixing glazed earthen ware couple set (commode & flush tank bombed) best quality as approved by the engineer incharge	2.00	No	5902.00	Each	11,804.00
5	N.S	Providing & Fixing Sink bowl stainless steel 17"x21" size i/c waste pipe and waste coupling best quality complete in all respects as approved by the engineer incharge	1.00	No	3606.00	Each	3,606.00
6	N.S	Providing & Fixing wall shower set (Dilawar/Glaxi) best quality complete in all respects as approved by the engineer incharge	3.00	No	4581.55	Each	13,744.65
7	N.S	Providing & Fixing Gate valve of PPRC 32 mm best quality complete in all respects as approved by the engineer incharge	11.00	No	512.00	Each	5,632.00
8	N.S	Providing & Fixing MS Pressure pipe, 1/4" thick with all fitting such as elbow, bend, socket etc for main line API quality as per SNGPL specification including cleaning, welding, wrapping with fiber glass and compound excavation 3' below from ground level back filling and restoratin and original condition and as approved by the engineer incharge pressure 100 PSI. 1" dia 1/4" thick	30.00	Rft	296.00	Per Rft	8,880.00
9	N.S	Providing & Fixing Gas regulator 043 best qulaity complete in all respects as approved by the engineer incharge	1.00	No	5,206.00	Each	5,206.00
10	N.S	Providing & Fixing Gas Service Valve 1" dia best qulaity complete in all respects as approved by the engineer incharge	1.00	No	4,006.00	Each	4,006.00
11	N.S	Providing & Fixing Muller Tee best qulaity complete in all respects as approved by the engineer incharge 1" dia	1.00	No	2,206.00	Each	2,206.00
12	N.S	Providing & Fixing Sui Gas Meter complete in all respects as approved by the engineer incharge	1.00	No	4,606.00	Each	4,606.00
13	N.S	Providing & Fitting plastic floor jali	12.00	No	210.00	Each	2,520.00
					<b>Total</b>		<b>200,120.00</b>

**Compound Wall & Main Gate**

No	Ref	Description	Quantity	Rate	Unit	Amount	
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	1022.00	Cft	6130.10	%o Cft	6,264.96
2	6/3	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	185.00	Cft	12253.40	% Cft	22,668.79
3	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	704.00	Cft	16294.20	% Cft	114,711.17
4	6/33-b	Providing & laying 1.50" thick demp proof course with cement concrete 1:2:4 including 2 coats of bitumen	163.00	Sft	4463.25	% Sft	7,275.10
5	7/7	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 1:3	443.00	Cft	18479.75	% Cft	81,865.29
6	11/11	Cement plaster upto 20' (6.00 mm) height:- ½" (13 mm) thick Ratio 1:5	1837.00	Sft	1667.65	% Sft	30,634.73
7	13/32A	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: 3 coats New surface	2558.00	Sft	2793.20	% Sft	71,450.06
8	25/30	Making and fixing steel grated doors complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¼" (20 mm) square bars 4" (100 mm) centre to centre.	20.00	Sft	701.00	Per Sft	14,020.00
9	25/31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¼" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	40.00	Sft	815.55	Per Sft	32,622.00
10	10/43	Providing & Laying Tuff pavers having 7000 PSI crushing strength of approved manufacturer over 2" to 3" sand cusion i/c grouting with sand in joints i/c finishing to required slope. Complete in all respects 50% grey / 50% coloured 60mm thick	1753.00	Sft	96.05	Per Sft	168,375.65
					<b>Total</b>		<b>549,888.00</b>

7,661,200.00

No	Ref	Description	Quantity	Rate	Unit	Amount
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38,306,000.00

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### The Islamia University of Bahawalpur

#### Construction of Residences Category-C at Baghdad-ul-Jadeed Campus

#### Civil Work

MRS Jan-Jun, 2017

No	Ref	Description	Quantity	Rate	Unit	Amount
1	3/21-b	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	4851.80		Cft	% Cft
2	26/42	Providing and Spraying anti-termite liquid mixed which water in the ration of 1:40 as approved by the Engineer Incharge.	2529.21		Sft	% Sft
3	6/3-b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	711.35		Cft	% Cft
4	7/4	Pacca brick work in foundation & plinth with cement sand mortor (1:6)	2296.20		Cft	% Cft
5	6/33	Providing & laying 1.50" thick demp proof course with cement concrete 1:2:4 including one layer bitumen and one layer polythene sheet	355.02		Sft	% Sft
6	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3, ¾" thick	253.49		Sft	% Sft
7	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	465.76		Cft	Per Cft
8	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	1016.97		Cft	% Cft
			1968.05		Cft	% Cft
9	7/5	Pacca Brick work in Ground Floor with cement sand mortor i) Ratio 1:5 ii) Ratio 1:3	2312.36		Cft	% Cft
			100.00		Cft	% Cft
10	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars. 40-Grade	4718.48		Kg	% Kg

11	6/6	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 i) Type C (nominal mix 1: 2:4) ii) Type B (nominal mix 1: 1.5:3)	110.00		Cft	Per Cft
			1130.00		Cft	Per Cft
12	12/14	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" (40x40x6 mm) welded with M.S. flat 2"x ¼"	52.50		Sft	Per Sft
13	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	198.00		Sft	Per Sft
14	25/53	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. 1.6 mm thick	326.00		Sft	Per Sft
15	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	2500.00		Sft	% Sft
16	11/11	Cement plaster upto 20' (6.00 mm) height:- ½" (13 mm) thick i) Ratio 1:5	10042.00		Sft	% Sft
	11/8	ii) Ratio 1:3	251.00		Sft	% Sft
17	9/35	Providing & Laying Roof insulation comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortor 1:3 laid over 2" 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	1848.00		Sft	% Sft

No	Ref	Description	Quantity	Rate	Unit	Amount
18	7/30	Supplying and filling sand under floor; or plugging in wells.	724.00		Cft	% Cft
19	6/2	Dry rammed brick or stone ballast, 1½" to 2" 40 mm to 50 mm) gauge.	722.00		Cft	% Cft
20	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8"	377.00		Rft	Per Rft
21	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 2" (50 mm) thick	933.00		Sft	% Sft
22	6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:2:4	331.00		Cft	% Cft
23	11/22	Priming coat of chalk under distemper.	550.00		Sft	% Sft
24	13/31	Preparing surface and painting with emulsion paint:- 3 coats New surface	8082.00		Sft	% Sft
25	13/32A	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: 3 coats New surface	2666.00		Sft	% Sft
26	13/5	Painting door & window any type new surface 3 coats	660.00		Sft	% Sft
27	9/15	Making Khuras on roof 2'x2' size	4.00		No	Each
28	12/48	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:- M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)	78.00		Sft	Per Sft
29	12/12 -b	First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze, 12x12 meshes per square inches (5x5 per cm2) including iron fittings etc. complete: Deodar wood framing 1½" (40 mm) thick, with wire gauze fixed in position:- with springs or spring hinges	56.00		Sft	Per Sft
30	12/18	Providing and fixing sliding bolt to doors:- brass sliding bolt, 12" (300 mm) long	12.00		No	Each
						<b>Total</b>

**Civil Work (Non-Schedule)**

No	Ref.	Description	Quantity	Rate	Unit	Amount
1	N.S	Providing and fixing M.S. Sheet hollow pressed frame of doors, (Chowkhat only) double rebate for 9" thick wall of 16 SWG welded with M.S. flat 7.5"x1-1/4"x1/8" M.S. hold fast 9"x1"x1/8" welded/ screwed 4" (100mm) long iron hinges including fitting chowkhat with cement sand mortar 1:8 and embedding hold fast in cement concrete 1:2:4, anti rust paint, enamel paint 3 coats complete in all respects & as approved by the engineer incharge. i) Single Rebate ii) Double Rebate	89.00 147.00		Sft Sft	Per Sft Per Sft
2	N.S	Providing and laying coloured glazed tile Dado/Floor 12" x 24" size (BELLO (BL) series on Dark color base class SB) laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respects as approved by Engineering incharge.	643.00		Sft	Per Sft
3	N.S	Providing and laying Floor Tile 16" x 16" Granite effect, GEM series Polished (Dark color) ST) including 05% Wastage laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respects as approved by Engineering incharge	1463.00		Sft	Per Sft
4	N.S	Providing & Fixing safty grill with 3/8" x 3/8" twisted steel bar fixed with iron patti frame 2" x 3/16" as per drawing and designed complete in all respect.	258.00		Sft	Per Sft
5	N.S	Providing & laying 3/4" Thick Marble Slab (Boticeena / 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)	82.00		Sft	Per Sft
6	N.S	Providing & fixing MS pipe Terrace railing consisting of MS pipe 1.5" dia vertical and top, 3/4" dia MS Pipe for support complete in all respects and duly painted as approved by the engineer incharge.	40.00		Sft	Per Sft
7	N.S	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, Sprite polish complete in all respects				

No	Ref	Description	Quantity	Rate	Unit	Amount
		including aluminium hanger rod etc. as approved by the Engineer Incharge.	132.00		Sft	
8	N.S	Providing & fixing Kitchen cabinet consisting of lamination board 3/4" thick for leaves deodar wood frame 3"x1", Gola for leaf 3/4"x3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern and as approved by the engineer incharge i) Down Portion ii) Top Portion	41.00 63.00		Sft Sft	Per Sft Per Sft
9	N.S	Providing & fixing beading size 2.5"x3/4" for door & window of approved quality & design duly polished, complete in all respects as approved by the Engineer Incharge.	316.00		Sft	Per Sft
10	N.S	Extra labour for structural work of parapit according to the drawing complete in all respects as approved by the Engineer Incharge.	150.00		Rft	Per Rft
11	N.S	Extra labour & cost for Preparation surface of emulsion paint including rubbing and finishing complete in all respects as approved by the Engineer Incharge.	7000.00		Sft	Per Sft
12	N.S	Providing & Fixing Megnit stopper for doors with screws complete in all respects as approved by the Engineer Incharge.	12.00		No	Each
13	N.S	Preparing surface & applying siprit polish best quality complete in all respects as approved by the Engineer Incharge.	256.00		Sft	Per Sft
14	N.S	Providing and Applying termite proofing with biflex/tenakil liquid mixed which water in the ratio of suitable mixing complete in all respects as approved by the Engineer Incharge.	1705.00		Sft	Per Sft
						<b>Total</b>
1	24/3	<b>Electrical Work</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm) iii) 2" i/d (50 mm)	733.00 530.00 40.00		Rft Rft Rft	Per Rft Per Rft Per Rft
2	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 and capping/G.I. wire/trenches (rate for cables only). i) 3/0.74 mm (3/0.029") ii) 7/0.74 mm (7/0.029") iii) 7/1.12 mm (7/0.044")	3160.00 1655.00 500.00		Rft Rft Rft	Per Rft Per Rft Per Rft
3	24/14	Supply & erection of M.S. sheet box of 16 SWG 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs i) 10 x 10 cm (4"x4") ii) 17.5 x 10 cm (7"x4") iii) 22.5 x 10 cm (9"x4") iii) 20 x 25 cm (8"x10")	15.00 5.00 5.00 6.00		No No No No	Each Each Each Each
4	24/31	Supply & Erection switches 5 amp piano type	100.00		No	Each
5	24/30	Supply & Erection ceiling rose backalite	40.00		No	Each
6	24/36	Supply and erection of 3 pin switch and plug combined, recessed type i) 5 Amp ii) 10/15 Amp	15.00 5.00		No No	Each Each
7	24/39	Supply and erection of button holder. bakelite large size	10.00		No	Each
8	24/28	Supply and erection of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").	1.00		No	Each
9	24/54	Supply and erection of house service pipe Henley (G.I. Pipe water quality) or pole type, 50 mm (2") dia, erected to instal insulated overhead line, include shackle insulator for holding insulated wire and straining devices for bearer wire and other accessories etc., complete.	10.00		Rft	Per Rft
10	24/60	Supply and erection of G.I. wire of all sizes, including binding wire No. 16 SWG for support of rubber wire or earthing wire, pole to pole etc.	10.00		Kg	Per Kg
11	24/13-c	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. (07/0.064")	200.00		Rft	Per Rft



No	Ref	Description	Quantity		Rate	Unit	Amount
						<b>Total</b>	
1	N.S	<b>Electrical work (Non-Schedul)</b> Supply, installation, fixing, wiring, testing and commissioning of fans with required requisite sweep including cost of blades, hanging rod, canopy, capacitor, stepless dimmer/regulator, bracket, nuts, bolts and all mounting arrangement, complete in all respects as approved by the engineer incharge i) Fan 56" sweep (Pak Fan, Royal) ii) Exhaust Fan 12" (Plastic body)	8.00	No		Each	
			4.00	No		Each	
2	N.S	Supply installation, testing & commissioning of sub distribution board (DB) wall mounted type mae of 16 SWG sheet with stove enamelled paint & hinged door as per approved design i) DB-1 for Labs with following detailes <b>INCOMMING</b> 1x63 Amps 3 Phase MCCB <b>OUTGOING</b> 6 Nos 20 Amps single phase 6 Nos 10 Amps single phase 6 Nos 6 Amps single phase including volt meter, Amp. Meter and neon phase lights, DB size 18"x24"	1.00	No		Each	
3	N.S	Supply and erection of energy saver lamp 23 watt (Philips) i/c large size backalite holder as approved by the engineer incharge	26.00	No		Each	
4	N.S	Supply & installation of plastic fan box best quality complete in all respects as approved by the engineer incharge	13.00	No		Each	
5	N.S	Supply and erection of Gate Light with Energy saver lamp 23 watt (Philips) complete in all respects as approved by the engineer incharge	2.00	No		Each	
6	N.S	Supply and erection of 3-phase Energy meter i/c Sheet iron box duly painted complete in all respects as approved by the engineer incharge	1.00	No		Each	
7	N.S	Supply & Erection of Power Plug 20 Amp best quality Bush company as requiered at site of work complete in all respects as approved by the engineer incharge.	10.00	No		Each	
8	N.S	Supply and erection Fancy Light with LED Bulb Phillips (3 Watt 2 Nos.) on external side of the building best quality as approved by the engineer incharge.	10.00	No		Each	
9	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 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includs common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	1.00	No		Each	
						<b>Total</b>	
1	19/3	<b>Plumbing Work</b> Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured	2.00	No		Each	
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.	2.00	No		Each	
3	19/34	P/F "P" trap:- 10 cm (4") glazed.	15.00	No		Each	
4	19/27	Providing and fixing chromium plated tee stop cock 15mm (1/2")	9.00	No		Each	
5	19/26	Providing and fixing chromium plated bib cock:- 1.5 cm (1/2")	3.00	No		Each	
6	19/23	Providing and fixing chromium plated pillar cock: 1.5 cm (1/2")	2.00	No		Each	
7	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	3.00	No		Each	
8	19/22	Providing and fitting:- i) Plastic soap dish ii) plastic shelf 60x13 cm (24"x5") with bracket and railing. iii) Plastic towel rail iv) plastic toilet paper holder	3.00	No		Each	
			3.00	No		Each	
			3.00	No		Each	
			3.00	No		Each	
9	19/6	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	3.00	No		Each	
10	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	4.00	No		Each	
11	19/43	Providing and fixing, brass gas cock:- i) 15 mm (1/2") dia ii) 20 mm (3/4") dia	11.00	No		Each	
			2.00	No		Each	

No	Ref	Description	Quantity	Rate	Unit	Amount
12	19/39	Supply and fitting of cast iron manhole cover with frame, etc. complete. 45 cm (18") dia	7.00	No	Each	
13	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality i) 1/2" i/d (15 mm) ii) 1" i/d (25 mm) iii) 2" i/d (50 mm)	156.00 360.00 152.00	Rft Rft Rft	Per Rft Per Rft Per Rft	
14	21/01	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (6") i/d	160.00	Rft	Per Rft	
15	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	585.00	Cft	%o Cft	
16	21/15	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	2.00	No	Each	
					<b>Total</b>	
1	N.S	<b>Plumbing Work (Non-Schedule)</b> Providing, Laying, Fixing, testing uPVC plain ends socket pipe Type-B soil wste, 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 4" dia Pipe	210.00	Rft	Per Rft	
2	N.S	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 conect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site i) 32 mm dia ii) 25 mm dia	300.00 250.00	Rft Rft	Per Rft Per Rft	
3	N.S	Providing & Fixing Muslim shower with double bib cock best quality as approved by the engineer incharge	3.00	No	Each	
4	N.S	Providing & Fixing glazed earthen ware couple set (commode & flush tank bombined) best quality as approved by the engineer incharge	1.00	No	Each	
5	N.S	Providing & Fixing Sink bowl stailless steel 17"x21" size i/c waste pipe and waste coupling best quality complete in all respects as approved by the engineer incharge	1.00	No	Each	
6	N.S	Providing & Fixing wall shower set (Dilawar/Glaxi) best quality complete in all respects as approved by the engineer incharge	3.00	No	Each	
7	N.S	Providing & Fixing Gate valve of PPRC 32 mm best quality complete in all respects as approved by the engineer incharge	5.00	No	Each	
8	N.S	Providing & Fixing MS Pressure pipe, 1/4" thick with all fitting such as elbow, bend, socket etc for main line API quality as per SNGPL specification including cleaning, welding, wrapping with fiber glass and compound excavation 3' below from ground level back filling and restoratoin and orignal condition and as approved by the engineer incharge pressure 100 PSI. 1" dia 1/4" thick	20.00	Rft	Per Rft	
9	N.S	Providing & Fixing Gas regulator 043 best qulaity complete in all respects as approved by the engineer incharge	1.00	No	Each	
10	N.S	Providing & Fixing Gas Service Valve 1" dia best qulaity complete in all respects as approved by the engineer incharge	1.00	No	Each	
11	N.S	Providing & Fixing Muller Tee best qulaity complete in all respects as approved by the engineer incharge 1" dia	1.00	No	Each	
12	N.S	Providing & Fixing Sui Gas Meter complete in all respects as approved by the engineer incharge	1.00	No	Each	
13	N.S	Providing & Fitting plastic floor jali	10.00	No	Each	
					<b>Total</b>	

No	Ref	Description	Quantity	Rate	Unit	Amount
<b>Compound Wall &amp; Main Gate</b>						
No	Ref	Description	Quantity	Rate	Unit	Amount
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	1076.00	Cft	%o Cft	
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	114.00	Cft	% Cft	
3	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	613.00	Cft	% Cft	
4	6/33-b	Providing & laying 1.50" thick demp proof course with cement concrete 1:2:4 including 2 coats of bitumen	128.00	Sft	% Sft	
5	7/7	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 1:3	521.00	Cft	% Cft	
6	11/11	Cement plaster upto 20' (6.00 mm) height:- ½" (13 mm) thick Ratio 1:5	2966.00	Sft	% Sft	
7	13/32A	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: 3 coats New surface	2627.00	Sft	% Sft	
8	25/30	Making and fixing steel grated doors complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¼" (20 mm) square bars 4" (100 mm) centre to centre.	20.00	Sft	Per Sft	
9	25/31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¼" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	40.00	Sft	Per Sft	
10	10/43	Providing & Laying Tuff pavers having 7000 PSI crushing strength of approved manufacturer over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to required slope. Complete in all respects 50% grey / 50% coloured 60mm thick	945.00	Sft	Per Sft	
						<b>Total</b>

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**The Islamia University of Bahawalpur**

**Construction of Residences Category-D at Baghdad-ul-Jadeed Campus**

**Civil Work**

MRS Jan-Jun, 2017

No	Ref #	Description	Quantity	Rate	Unit	Amount
1	3/21-b	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	3088.18	Cft	6130.10	%o Cft 18,930.85
2	26/42	Providing and Spraying anti-termite liquid mixed with water in the ration of 1:40 as approved by the Engineer Incharge.	628.00	Sft	220.85	% Sft 1,386.94
3	6/3-b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	398.00	Cft	12253.40	% Cft 48,768.53
4	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	1682.00	Cft	16294.20	% Cft 274,068.44
5	6/33	Providing & laying 1.50" thick demp proof course with cement concrete 1:2:4 including one layer bitumen and one layer polythene sheet	450.00	Sft	4288.15	% Sft 19,296.68
6	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3, 3/4" thick	330.00	Sft	3057.35	% Sft 10,089.26
7	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	282.00	Cft	243.30	Per Cft 68,610.60
8	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	1200.00	Cft	2935.70	%o Cft 3,522.84
9	7/5	Pacca Brick work in Ground Floor with cement sand mortar i) Ratio 1:5 ii) Ratio 1:3	1900.00 75.00	Cft Cft	17869.10 19112.30	% Cft % Cft 339,512.90 14,334.23
10	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars. 40-Grade	1751.00	Kg	10030.50	% Kg 175,634.06
11	6/6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural				

No	Ref	Description	Quantity	Rate	Unit	Amount
		members laid in situ or precast laid position, or prestressed members cast in situ, complete in all respects				
		i) Type C (nominal mix 1: 2:4)	50.00	Cft	335.75	Per Cft 16,787.50
		ii) Type B (nominal mix 1: 1.5:3)	586.00	Cft	364.95	Per Cft 213,860.70
12	12/14	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" (40x40x6 mm) welded with M.S. flat 2"x ¼"	373.00	Sft	138.10	Per Sft 51,511.30
13	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	243.00	Sft	359.90	Per Sft 87,455.70
14	25/53	Providing and fitting all types of glazed aluminium windows of anodised bronze colour partly fixed and partly sliding using delux sections of M/s Al-Cop or Pakistan 'Cables having frame size of 100 x 20 mm (4"x¾") and 'leaf frame sections of 50 x 20 mm (2"x¾")', all of 1.6mm 'thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge. 1.6 mm thick	98.00	Sft	667.75	Per Sft 65,439.50
15	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	1082.00	Sft	1978.05	% Sft 21,402.50
16	11/11	Cement plaster upto 20' (6.00 mm) height:- ½" (13 mm) thick	6042.00	Sft	1667.65	% Sft 100,759.41
	11/8	i) Ratio 1:5 ii) Ratio 1:3	150.00	Sft	1838.10	% Sft 2,757.15
17	9/35	Providing & Laying Roof insulation comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" 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	1097.00	Sft	7069.95	% Sft 77,557.35
18	7/30	Supplying and filling sand under floor; or plugging in wells.	590.00	Cft	1682.00	% Cft 9,923.80
19	6/2	Dry rammed brick or stone ballast, 1½" to 2" 40 mm to 50 mm) gauge.	632.00	Cft	3564.00	% Cft 22,524.48
20	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8"	565.00	Rft	6.60	Per Rft 3,729.00
21	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 2" (50 mm) thick	1200.00	Sft	4724.05	% Sft 56,688.60
22	6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:2:4	50.00	Cft	20902.20	% Cft 10,451.10
23	11/22	Priming coat of chalk under distemper.	4036.00	Sft	131.70	% Sft 5,315.41
24	13/31	Preparing surface and painting with emulsion paint:- 3 coats New surface	4531.00	Sft	1122.55	% Sft 50,862.74
25	13/32A	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: 3 coats New surface	2619.00	Sft	2793.20	% Sft 73,153.91
26	13/5	Painting door & window any type new surface 3 coats	1126.00	Sft	1521.45	% Sft 17,131.53
27	9/15	Making Khuras on roof 2'x2' size	4.00	No	462.10	Each 1,848.40
28	12/48	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:- M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼" (50 mm x 6 mm)	60.00	Sft	637.60	Per Sft 38,256.00
29	12/12 -b	First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze, 12x12 meshes per square inches (5x5 per cm2) including iron fittings etc. complete: Deodar wood framing 1½" (40 mm) thick, with wire gauze fixed in position:- with springs or spring hinges	50.00	Sft	405.80	Per Sft 20,290.00
30	12/18	Providing and fixing sliding bolt to doors:- brass sliding bolt, 12" (300 mm) long	12.00	No	337.75	Each 4,053.00
					<b>Total</b>	<b>1,951,419.00</b>

**Civil Work (Non-Schedule)**

No	Ref.	Description	Quantity	Rate	Unit	Amount
1		Providing & Fixing marble 3/4" thick Buticina fancy 12"X12" with floating coat of cement over a bed of 3/4" thick cement sand mortar 1:2 over 1" thick				

No	Ref	Description	Quantity	Rate	Unit	Amount	
2	N.S	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	920.00	Sft	188.00	Per Sft	172,960.00
		Providing and laying coloured glazed tile Dado/Floor 12" x 24" size (BELLO (BL) series on Dark color base class SB) laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respects as approved by Engineering incharge.	320.00	Sft	178.00	Per Sft	56,960.00
3	N.S	Providing & laying 3/8" thick marble dado/skirting (Boticeena/ Fancy) of approved quality including 1:2 cement sand mortar 3/8" thick for laying of marble tiles i/c rubbing grinding and wax polishing, complete in all respects as per drawings and specifications and as approved by the Engineer Incharge.	377.00	Sft	129.00	Per Sft	48,633.00
4	N.S	Providing & Fixing safty grill with 3/8" x 3/8" twisted steel bar fixed with iron patti frame 2" x 3/16" as per drawing and designed complete in all respect.	98.00	Sft	267.00	Per Sft	26,166.00
5	N.S	Providing & laying 3/4" Thick Marble Slab (Boticeena / 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)	40.00	Sft	298.58	Per Sft	11,943.20
6	N.S	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, Sprite polish complete in all respects including aluminium hanger rod etc. as approved by the Engineer Incharge.	150.00	Sft	343.00	Per Sft	51,450.00
7	N.S	Providing & fixing Kitchen cabinet consisting of lamination board 3/4" thick for leaves deodar wood frame 3"x1", Gola for leaf 3/4"x3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern and as approved by the engineer incharge i) Down Portion	60.00	Sft	346.00	Per Sft	20,760.00
8	N.S	Providing and Applying termite proofing with biflex/tenakil liquid mixed which water in the ratio of suitable mixing complete in all respects as approved by the Engineer Incharge.	900.00	Sft	7.43	Per Sft	6,687.00
<b>Total</b>						<b>395,559.00</b>	
1	24/3	<b>Electrical Work</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm)	350.00 250.00	Rft Rft	38.35 45.30	Per Rft Per Rft	13,422.50 11,325.00
2	24/10	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 and capping/G.I. wire/trenches (rate for cables only). i) 3/0.74 mm (3/0.029") ii) 7/0.74 mm (7/0.029") iii) 7/1.12 mm (7/0.044")	550.00 255.00 175.00	Rft Rft Rft	11.45 15.75 31.95	Per Rft Per Rft Per Rft	6,297.50 4,016.25 5,591.25
3	24/14	Supply & erection of M.S. sheet box of 16 SWG 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs i) 10 x 10 cm (4"x4") ii) 17.5 x 10 cm (7"x4") iii) 20 x 25 cm (8"x10")	10.00 4.00 4.00	No No No	152.70 201.40 369.40	Each Each Each	1,527.00 805.60 1,477.60
4	24/31	Supply & Erection switches 5 amp piano type	40.00	No	34.05	Each	1,362.00
5	24/30	Supply & Erection ceiling rose bakelite	10.00	No	37.25	Each	372.50
6	24/36	Supply and erection of 3 pin switch and plug combined, recessed type i) 5 Amp ii) 10/15 Amp	5.00 5.00	No No	69.95 95.65	Each Each	349.75 478.25
7	24/39	Supply and erection of button holder. bakelite large size	10.00	No	29.60	Each	296.00
8	24/28	Supply and erection of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").	1.00	No	237.05	Each	237.05
9	24/54	Supply and erection of house service pipe Henley (G.I. Pipe water quality) or pole type, 50 mm (2") dia, erected to instal insulated overhead line, include shackle insulator for holding insulated wire and straining devices for bearer wire and other accessories etc., complete.	10.00	Rft	265.95	Per Rft	2,659.50
10	24/60	Supply and erection of G.I. wire of all sizes, including binding wire No. 16 SWG for support of rubber wire or earthing wire, pole to pole etc.	10.00	Kg	135.15	Per Kg	1,351.50

No	Ref	Description	Quantity	Rate	Unit	Amount
11	24/13 -a	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 twin core, 250/440 volts. 7/1.63 mm (7/0.064")	150.00 Rft	135.60	Per Rft	20,340.00
<b>Total</b>						<b>71909.00</b>
1	N.S	<b>Electrical work (Non-Schedul)</b> Supply, installation, fixing, wiring, testing and commissioning of fans with required requisite sweep including cost of blades, hanging rod, canopy, capacitor, stepless dimmer/regulator, bracket, nuts, bolts and all mounting arrangement, complete in all respects as approved by the engineer incharge i) Fan 56" sweep (Pak Fan, Royal) ii) Exhaust Fan 12" (Plastic body)	5.00 No 3.00 No	4593.00 2613.00	Each Each	22,965.00 7,839.00
2		Supply and erection Fancy Light with LED Bulb Phillips (3 Watt) on external side of the building best quality as approved by the engineer incharge.	4.00 No	2784.00	Each	11,136.00
3	N.S	Supply installation, testing & commissioning of sub distribution board (DB) wall mounted type mae of 16 SWG sheet with stove enamelled paint & hinged door as per approved design following details DB size 15"x21" <b>INCOMMING</b> 1x63 Amps Single Phase MCB <b>OUTGOING</b> 4 Nos 20 Amps single phase 4 Nos 10 Amps single phase 4 Nos 6 Amps single phase	1.00 No	11848.00	Each	11,848.00
4	N.S	Supply and erection of energy saver lamp 23 watt (Philips) i/c large size backalite holder as approved by the engineer incharge	14.00 No	319.00	Each	4,466.00
5	N.S	Supply & installation of plastic fan box best quality complete in all respects as approved by the engineer incharge	5.00 No	103.00	Each	515.00
6	N.S	Supply and erection of Gate Light with Energy saver lamp 23 watt (Philips) complete in all respects as approved by the engineer incharge	2.00 No	765.00	Each	1,530.00
7	N.S	Supply and erection of single phase Energy meter i/c Sheet iron box duly painted complete in all respects as approved by the engineer incharge	1.00 No	7582.00	Each	7,582.00
8	N.S	Supply & Erection of Power Plug 20 Amp best quality Bush company as required at site of work complete in all respects as approved by the engineer incharge.	4.00 No	391.00	Each	1,564.00
9	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 1/4" i/d GI pipe 5' long, GI tee & plug for watering also includes common salt, Lime (slaked) and charcoal around copper strip I/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	1.00 No	10827.00	Each	10,827.00
<b>Total</b>						<b>80,272.00</b>
1	19/3	<b>Plumbing Work</b> Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured	2.00 No	1415.25	Each	2,830.50
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.	2.00 No	1180.05	Each	2,360.10
3	19/34	P/F "P" trap:- 10 cm (4") glazed.	7.00 No	136.65	Each	956.55
4	19/27	Providing and fixing chromium plated tee stop cock 15mm (1/2")	6.00 No	453.50	Each	2,721.00
5	19/26	Providing and fixing chromium plated bib cock:- 1.5 cm (1/2")	6.00 No	333.50	Each	2,001.00
6	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	2.00 No	383.70	Each	767.40
7	19/22	Providing and fitting:- i) Plastic soap dish ii) plastic shelf 60x13 cm (24"x5") with bracket and railing. iii) Plastic towel rail iv) plastic toilet paper holder	2.00 No 2.00 No 2.00 No 2.00 No	160.30 431.20 249.60 225.60	Each Each Each Each	320.60 862.40 499.20 451.20
8	19/6	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	2.00 No	2679.75	Each	5,359.50
9	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	3.00 No	1558.40	Each	4,675.20
10	19/43	Providing and fixing, brass gas cock:- i) 15 mm (1/2") dia	5.00 No	84.90	Each	424.50

No	Ref	Description	Quantity	Rate	Unit	Amount
11	19/39	ii) 20 mm (¾") dia Supply and fitting of cast iron manhole cover with frame, etc. complete. 45 cm (18") dia	2.00 No	126.90	Each	253.80
12	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality i) ½" i/d (15 mm) ii) 1" i/d (25 mm)	100.00 Rft 150.00 Rft	57.75 108.30	Per Rft Per Rft	5,775.00 16,245.00
13	21/01	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (6") i/d	105.00 Rft	132.15	Per Rft	13,875.75
14	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	840.00 Cft	5118.60	%o Cft	4,299.62
15	21/15	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	1.00 No	5681.45	Each	5,681.45
<b>Total</b>						<b>74,706.00</b>
1	N.S	<b>Plumbing Work (Non-Schedule)</b> Providing, Laying, Fixing, testing uPVC plain ends socket pipe Type-B soil wste, 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 4" dia Pipe	120.00 Rft	185.00	Per Rft	22,200.00
2	N.S	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 conect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site i) 32 mm dia ii) 25 mm dia	100.00 Rft 70.00 Rft	97.87 78.00	Per Rft Per Rft	9,787.00 5,460.00
3	N.S	Providing & Fixing Muslim shower with double bib cock best quality as approved by the engineer incharge	1.00 No	2782.00	Each	2,782.00
4	N.S	Providing & Fixing Sink bowl stainless steel 17"x21" size i/c waste pipe and waste coupling best quality complete in all respects as approved by the engineer incharge	1.00 No	3606.00	Each	3,606.00
5	N.S	Providing & Fixing wall shower set (Dilawar/Glaxi) best quality complete in all respects as approved by the engineer incharge	2.00 No	4581.55	Each	9,163.10
6	N.S	Providing & Fixing Gate valve of PPRC 32 mm best quality complete in all respects as approved by the engineer incharge	2.00 No	512.00	Each	1,024.00
7	N.S	Providing & Fixing MS Pressure pipe, 1/4" thick with all fitting such as elbow, bend, socket etc for main line API quality as per SNGPL specification including cleaning, welding, wrapping with fiber glass and compound excavation 3' below from ground level back filling and restoratoin and orignal condition and as approved by the engineer incharge pressure 100 PSI. 1" dia 1/4" thick	20.00 Rft	296.00	Per Rft	5,920.00
8	N.S	Providing & Fixing Gas regulator 043 best qulaity complete in all respects as approved by the engineer incharge	1.00 No	5,206.00	Each	5,206.00
9	N.S	Providing & Fixing Gas Service Valve 1" dia best qulaity complete in all respects as approved by the engineer incharge	1.00 No	4,006.00	Each	4,006.00
10	N.S	Providing & Fixing Muller Tee best qulaity complete in all respects as approved by the engineer incharge 1" dia	1.00 No	2,206.00	Each	2,206.00
11	N.S	Providing & Fixing Sui Gas Meter complete in all respects as approved by the engineer incharge	1.00 No	4,606.00	Each	4,606.00
12	N.S	Providing & Fitting plastic floor jali	6.00 No	210.00	Each	1,260.00
<b>Total</b>						<b>77,226.00</b>
1	3/21	<b>Compound Wall &amp; Main Gate</b> Excavation in foundation of building, bridges and other structures including deg-belling,				

No	Ref	Description	Quantity	Rate	Unit	Amount	
2	6/3	dressing, refilling around structure with excavated earth, watering and ramming lift upto 5 ft. - in ordinary soil	750.00	Cft	6130.10	%o Cft	4,597.58
		Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	125.00	Cft	12253.40	% Cft	15,316.75
3	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	450.00	Cft	16294.20	% Cft	73,323.90
4	6/33-b	Providing & laying 1.50" thick demp proof course with cement concrete 1:2:4 including 2 coats of bitumen	100.00	Sft	4463.25	% Sft	4,463.25
5	7/7	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 1:3	320.00	Cft	18479.75	% Cft	59,135.20
6	11/11	Cement plaster upto 20' (6.00 mm) height:- ½" (13 mm) thick Ratio 1:5	1750.00	Sft	1667.65	% Sft	29,183.88
7	13/32A	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: 3 coats New surface	1750.00	Sft	2793.20	% Sft	48,881.00
8	25/30	Making and fixing steel grated doors complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre.	20.00	Sft	701.00	Per Sft	14,020.00
9	25/31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	40.00	Sft	815.55	Per Sft	32,622.00
10	10/43	Providing & Laying Tuff pavers having 7000 PSI crushing strength of approved manufacturer over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to required slope. Complete in all respects 50% grey / 50% coloured 60mm thick	200.00	Sft	96.05	Per Sft	19,210.00
<b>Total</b>						<b>300,754.00</b>	

**6**

**The Islamia University of Bahawalpur**

**Construction of Residences Category-E at Baghdad-ul-Jadeed Campus**

**Civil Work**

**MRS Jan-Jun, 2017**

No	Ref #	Description	Quantity	Rate	Unit	Amount	
1	3/21-b	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	2170.70	Cft	6130.10	%o Cft	13,306.61
2	26/42	Providing and Spraying anti-termite liquid mixed which water in the ration of 1:40 as approved by the Engineer Incharge.	340.00	Sft	220.85	% Sft	750.89
3	6/3-b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	248.00	Cft	12253.40	% Cft	30,388.43
4	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	1075.00	Cft	16294.20	% Cft	175,162.65
5	6/33	Providing & laying 1.50" thick demp proof course with cement concrete 1:2:4 including one layer bitumen and one layer polythene sheet	291.00	Sft	4288.15	% Sft	12,478.52
6	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3, 3/4" thick	185.00	Sft	3057.35	% Sft	5,656.10
7	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls, etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	170.00	Cft	243.30	Per Cft	41,361.00
8	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	900.00	Cft	2935.70	%o Cft	2,642.13
			1040.00	Cft	8501.60	%o Cft	8,841.66
9	7/5	Pacca Brick work in Ground Floor with cement sand mortar i) Ratio 1:5 ii) Ratio 1:3	910.00	Cft	17869.10	% Cft	162,608.81
			75.00	Cft	19112.30	% Cft	14,334.23
10	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars. 40-Grade	1115.00	Kg	10030.50	% Kg	111,840.08
11	6/6	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 i) Type C (nominal mix 1: 2: 4) ii) Type B (nominal mix 1: 1.5:3)	50.00	Cft	335.75	Per Cft	16,787.50
			322.00	Cft	364.95	Per Cft	117,513.90



No	Ref	Description	Quantity	Rate	Unit	Amount	
12	12/14	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" (40x40x6 mm) welded with M.S. flat 2"x ¼"	175.00	Sft	138.10	Per Sft	24,167.50
13	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	175.00	Sft	359.90	Per Sft	62,982.50
14	25/44	Providing and fixing windows consisting of M.S. box section frame 2"x1½", leaves frame 1½"x1" box section frame for glazing 3/8"x3/8" using 16 SWG sheet 'U' shaped rubber supported with 1"x1/8" M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" of 16 SWG for fixing 24 SWG wire gauze on 'outer side by means of ¾"x1/8" M.S. flat and 'screws including grill of M.S. flat ½"x1/8" or ¼"x¼" square bar with independent frame of ½"x½" box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.	66.00	Sft	469.45	Per Sft	30,983.70
15	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	925.00	Sft	1978.05	% Sft	18,296.96
16	11/11	Cement plaster upto 20' (6.00 mm) height:- ½" (13 mm) thick	5085.00	Sft	1667.65	% Sft	84,800.00
	11/8	i) Ratio 1:5 ii) Ratio 1:3	508.00	Sft	1838.10	% Sft	9,337.55
17	9/35	Providing & Laying Roof insulation comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" 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	751.00	Sft	7069.95	% Sft	53,095.32
18	7/30	Supplying and filling sand under floor; or plugging in wells.	475.00	Cft	1682.00	% Cft	7,989.50
19	6/2	Dry rammed brick or stone ballast, 1½" to 2" 40 mm to 50 mm) gauge.	475.00	Cft	3564.00	% Cft	16,929.00
20	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8"	290.00	Rft	6.60	Per Rft	1,914.00
21	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 2" (50 mm) thick	900.00	Sft	4724.05	% Sft	42,516.45
22	6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:2:4	50.00	Cft	20902.20	% Cft	10,451.10
23	11/22	Priming coat of chalk under distemper.	3000.00	Sft	131.70	% Sft	3,951.00
24	13/31	Preparing surface and painting with emulsion paint:- 3 coats New surface	3500.00	Sft	1122.55	% Sft	39,289.25
25	13/32A	Providing and applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect: 3 coats New surface	577.00	Sft	2793.20	% Sft	16,116.76
26	13/5	Painting door & window any type new surface 3 coats	350.00	Sft	1521.45	% Sft	5,325.08
27	9/15	Making Khuras on roof 2'x2' size	2.00	No	462.10	Each	924.20
28	12/48	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:- M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼"	60.00	Sft	637.60	Per Sft	38,256.00
29	12/12 -b	First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze, 12x12 meshes per square inches (5x5 per cm2) including iron fittings etc. complete: Deodar wood framing 1½" thick, with wire gauze fixed in position:- with springs or spring hinges	50.00	Sft	405.80	Per Sft	20,290.00
30	12/54	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) Grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	70.00	Sft	184.95	Per Sft	12,946.50
31	12/55	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" and machine made screws.	70.00	Sft	64.40	Per Sft	4,508.00
32	12/18	Providing and fixing sliding bolt to doors:-					

No	Ref	Description	Quantity	Rate	Unit	Amount	
		brass sliding bolt, 12" (300 mm) long	10.00	No	337.75	Each	3,377.50
						<b>Total</b>	<b>1,222,120.00</b>
<b>Civil Work (Non-Schedule)</b>							
No	Ref.	Description	Quantity	Rate	Unit	Amount	
1		Providing & Fixing marble 3/4" thick Buticina fancy 12"x12" with floating coat of cement over a bed of 3/4" thick cement sand mortar 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortar 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	450.00	Sft	188.00	Per Sft	84,600.00
2	N.S	Providing and laying coloured glazed tile Dado/Floor 12" x 24" size (BELLO (BL) series on Dark color base class SB) laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respects as approved by Engineering incharge.	300.00	Sft	178.00	Per Sft	53,400.00
3	N.S	Providing & laying 3/8" thick marble dado/skirting (Boticeena/ Fancy) of approved quality including 1:2 cement sand mortar 3/8" thick for laying of marble tiles i/c rubbing grinding and wax polishing, complete in all respects as per drawings and specifications and as approved by the Engineer Incharge.	100.00	Sft	129.00	Per Sft	12,900.00
4	N.S	Providing & laying 3/4" Thick Marble Slab (Boticeena / 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)	20.00	Sft	298.58	Per Sft	5,971.60
5	N.S	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, Sprite polish complete in all respects including aluminium hanger rod etc. as approved by the Engineer Incharge.	125.00	Sft	343.00	Per Sft	42,875.00
6	N.S	Providing & fixing Kitchen cabinet consisting of lamination board 3/4" thick for leaves deodar wood frame 3"x1", Gola for leaf 3/4"x3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern and as approved by the engineer incharge i) Down Portion	30.00	Sft	346.00	Per Sft	10,380.00
7	N.S	Providing and Applying termite proofing with biflex/tenakil liquid mixed which water in the ratio of suitable mixing complete in all respects as approved by the Engineer Incharge.	400.00	Sft	7.43	Per Sft	2,972.00
						<b>Total</b>	<b>213,099.00</b>
<b>Electrical Work</b>							
1	24/3	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. i) 3/4" i/d (20 mm) ii) 1" i/d (25 mm)	250.00 150.00	Rft Rft	38.35 45.30	Per Rft Per Rft	9,587.50 6,795.00
2	24/10	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 and capping/G.I. wire/trenches (rate for cables only). i) 3/0.74 mm (3/0.029") ii) 7/0.74 mm (7/0.029") iii) 7/1.12 mm (7/0.044")	450.00 200.00 100.00	Rft Rft Rft	11.45 15.75 31.95	Per Rft Per Rft Per Rft	5,152.50 3,150.00 3,195.00
3	24/14	Supply & erection of M.S. sheet box of 16 SWG 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs i) 10 x 10 cm (4"x4") ii) 17.5 x 10 cm (7"x4") iii) 20 x 25 cm (8"x10")	6.00 4.00 2.00	No No No	152.70 201.40 369.40	Each Each Each	916.20 805.60 738.80
4	24/31	Supply & Erection switches 5 amp piano type	30.00	No	34.05	Each	1,021.50
5	24/30	Supply & Erection ceiling rose bakelite	10.00	No	37.25	Each	372.50
6	24/36	Supply and erection of 3 pin switch and plug combined, recessed type i) 5 Amp ii) 10/15 Amp	5.00 3.00	No No	69.95 95.65	Each Each	349.75 286.95
7	24/39	Supply and erection of button holder. bakelite large size	10.00	No	29.60	Each	296.00
8	24/28	Supply and erection of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").	1.00	No	237.05	Each	237.05
9	24/54	Supply and erection of house service pipe Henley (G.I. Pipe water quality) or pole type, 50 mm (2") dia, erected to instal insulated overhead line, include shackle insulator for holding insulated wire and straining devices for bearer wire and other accessories etc., complete.	10.00	Rft	265.95	Per Rft	2,659.50
10	24/60	Supply and erection of G.I. wire of all sizes, including binding wire No. 16 SWG for support of					

No	Ref	Description	Quantity		Rate	Unit	Amount
11	24/13 -a	rubber wire or earthing wire, pole to pole etc.  Supply and erection of copper conductor cables for service connection, in prelaidd pipe/G.I. wire/ trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440 volts. 7/1.63 mm (7/0.064")	10.00	Kg	135.15	Per Kg	1,351.50
12	24/68	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (1/2") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	100.00	Rft	135.60	Per Rft	13,560.00
			1.00	No	4335.95	Each	4,335.95
						<b>Total</b>	<b>54811.00</b>
1	N.S	<b>Electrical work (Non-Schedul)</b> Supply, installation, fixing, wiring, testing and commissioning of fans with required requisite sweep including cost of blades, hanging rod, canopy, capacitor, stepless dimmer/regulator, bracket, nuts, bolts and all mounting arrangement, complete in all respects as approved by the engineer incharge i) Fan 56" sweep (Pak Fan, Royal) ii) Exhaust Fan 12" (Plastic body)	3.00	No	4593.00	Each	13,779.00
			2.00	No	2613.00	Each	5,226.00
2		Supply and erection Fancy Light with LED Bulb Phillips (3 Watt) on external side of the building best quality as approved by the engineer incharge.	2.00	No	2784.00	Each	5,568.00
3	N.S	Supply installation, testing & commissioning of sub distribution board (DB) wall mounted type mae of 16 SWG sheet with stove enamelled paint & hinged door as per approved design following detailes DB size 12"x18" <b>INCOMMING</b> 1x30 Amps Single Phase MCB (Two Pole) <b>OUTGOING</b> 2 Nos 20 Amps single phase 2 Nos 10 Amps single phase 2 Nos 6 Amps single phase	1.00	No	7244.00	Each	7,244.00
4	N.S	Supply and erection of energy saver lamp 23 watt (Philips) i/c large size backalite holder as approved by the engineer incharge	10.00	No	319.00	Each	3,190.00
5	N.S	Supply & installation of plastic fan box best quality complete in all respects as approved by the engineer incharge	3.00	No	103.00	Each	309.00
6	N.S	Supply and erection of Gate Light with Energy saver lamp 23 watt (Philips) complete in all respects as approved by the engineer incharge	1.00	No	765.00	Each	765.00
7	N.S	Supply and erection of single phase Energy meter i/c Sheet iron box duly painted complete in all respects as approved by the engineer incharge	1.00	No	7582.00	Each	7,582.00
8	N.S	Supply & Erection of Power Plug 20 Amp best quality Bush company as requiered at site of work complete in all respects as approved by the engineer incharge.	2.00	No	391.00	Each	782.00
						<b>Total</b>	<b>44,445.00</b>
1	19/3	<b>Plumbing Work</b> Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured	2.00	No	1415.25	Each	2,830.50
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.	2.00	No	1180.05	Each	2,360.10
3	19/34	P/F "P" trap:- 10 cm (4") glazed.	7.00	No	136.65	Each	956.55
4	19/27	Providing and fixing chromium plated tee stop cock 15mm (1/2")	6.00	No	453.50	Each	2,721.00
5	19/26	Providing and fixing chromium plated bib cock:- 1.5 cm (1/2")	6.00	No	333.50	Each	2,001.00
6	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	2.00	No	383.70	Each	767.40
7	19/22	Providing and fitting:- i) Plastic soap dish ii) plastic shelf 60x13 cm (24"x5") with bracket and railing. iii) Plastic towel rail iv) plastic toilet paper holder	2.00	No	160.30	Each	320.60
			2.00	No	431.20	Each	862.40
			2.00	No	249.60	Each	499.20
			2.00	No	225.60	Each	451.20
8	19/6	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	2.00	No	2679.75	Each	5,359.50
9	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	3.00	No	1558.40	Each	4,675.20
10	19/43	Providing and fixing, brass gas cock:- i) 15 mm (1/2") dia ii) 20 mm (3/4") dia	5.00	No	84.90	Each	424.50
			2.00	No	126.90	Each	253.80
11	19/39	Supply and fitting of cast iron manhole cover with frame, etc. complete. 45 cm (18") dia	5.00	No	869.25	Each	4,346.25

No	Ref	Description	Quantity		Rate	Unit	Amount
12	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality i) 1/2" i/d (15 mm) ii) 1" i/d (25 mm)	50.00 100.00	Rft Rft	57.75 108.30	Per Rft Per Rft	2,887.50 10,830.00
13	21/01	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (6") i/d	70.00	Rft	132.15	Per Rft	9,250.50
14	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	840.00	Cft	5118.60	%o Cft	4,299.62
15	21/15	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	1.00	No	5681.45	Each	5,681.45
						<b>Total</b>	<b>61,778.00</b>
<b>Plumbing Work (Non-Schedule)</b>							
1	N.S	Providing, Laying, Fixing, testing uPVC 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 4" dia Pipe	100.00	Rft	185.00	Per Rft	18,500.00
2	N.S	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 conect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site i) 32 mm dia ii) 25 mm dia	100.00 70.00	Rft Rft	97.87 78.00	Per Rft Per Rft	9,787.00 5,460.00
3	N.S	Providing & Fixing Muslim shower with double bib cock best quality as approved by the engineer incharge	1.00	No	2782.00	Each	2,782.00
4	N.S	Providing & Fixing Sink bowl stainless steel 17"x21" size i/c waste pipe and waste coupling best quality complete in all respects as approved by the engineer incharge	1.00	No	3606.00	Each	3,606.00
5	N.S	Providing & Fixing wall shower set (Dilawar/Glaxi) best quality complete in all respects as approved by the engineer incharge	2.00	No	4581.55	Each	9,163.10
6	N.S	Providing & Fixing Gate valve of PPRC 32 mm best quality complete in all respects as approved by the engineer incharge	2.00	No	512.00	Each	1,024.00
7	N.S	Providing & Fixing MS Pressure pipe, 1/4" thick with all fitting such as elbow, bend, socket etc for main line API quality as per SNGPL specification including cleaning, welding, wrapping with fiber glass and compound excavation 3' below from ground level back filling and restoratoin and orignal condition and as approved by the engineer incharge pressure 100 PSI. 1" dia 1/4" thick	20.00	Rft	296.00	Per Rft	5,920.00
8	N.S	Providing & Fixing Gas regulator peable best qulaity complete in all respects as approved by the engineer incharge	1.00	No	2,206.00	Each	2,206.00
9	N.S	Providing & Fixing Gas Service Valve 1" dia best qulaity complete in all respects as approved by the engineer incharge	1.00	No	4,006.00	Each	4,006.00
10	N.S	Providing & Fixing Muller Tee best qulaity complete in all respects as approved by the engineer incharge 1" dia	1.00	No	2,206.00	Each	2,206.00
11	N.S	Providing & Fixing Sui Gas Meter complete in all respects as approved by the engineer incharge	1.00	No	4,606.00	Each	4,606.00
12	N.S	Providing & Fitting plastic floor jali	6.00	No	210.00	Each	1,260.00
						<b>Total</b>	<b>70,526.00</b>
1		<b>Compound Wall &amp; Main Gate</b> Excavation in foundation of building, bridges					

No	Ref	Description	Quantity	Rate	Unit	Amount	
	3/21	and other structures including deg-belling, dressing, refilling around structure with excavated earth, watering and ramming lift upto 5 ft. - in ordinary soil	500.00	Cft	6130.10	%o Cft	3,065.05
2	6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	100.00	Cft	12253.40	% Cft	12,253.40
3	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	350.00	Cft	16294.20	% Cft	57,029.70
4	6/33-b	Providing & laying 1.50" thick damp proof course with cement concrete 1:2:4 including 2 coats of bitumen	70.00	Sft	4463.25	% Sft	3,124.28
5	7/7	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 1:3	250.00	Cft	18479.75	% Cft	46,199.38
6	11/11	Cement plaster upto 20' (6.00 mm) height:- ½" (13 mm) thick Ratio 1:5	1200.00	Sft	1667.65	% Sft	20,011.80
7	13/32A	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: 3 coats New surface	1200.00	Sft	2793.20	% Sft	33,518.40
8	25/30	Making and fixing steel grated doors complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre.	10.00	Sft	701.00	Per Sft	7,010.00
9	25/31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	30.00	Sft	815.55	Per Sft	24,466.50
						<b>Total</b>	<b>206,679.00</b>

1,873,458.00  
14  
26,228,412.00

7

**The Islamia University of Bahawalpur**  
**Construction of Residences Category-F at Baghdad-ul-Jadeed Campus**

**Civil Work**

**MRS Jan-Jun, 2017**

No	Ref #	Description	Quantity	Rate	Unit	Amount	
1	3/21-b	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	1660.30	Cft	6130.10	%o Cft	10,177.81
2	26/42	Providing and Spraying anti-termite liquid mixed with water in the ration of 1:40 as approved by the Engineer Incharge.	335.00	Sft	220.85	% Sft	739.85
3	6/3-b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	237.00	Cft	12253.40	% Cft	29,040.56
4	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	1238.00	Cft	16294.20	% Cft	201,722.20
5	6/33	Providing & laying 1.50" thick damp proof course with cement concrete 1:2:4 including one layer bitumen and one layer polythene sheet	282.00	Sft	4288.15	% Sft	12,092.58
6	6/35	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- with one coat of bitumen and one coat of polythene sheet 500 gauge: Ratio 1:3, 3/4" thick	150.00	Sft	3057.35	% Sft	4,586.03

No	Ref	Description	Quantity	Rate	Unit	Amount	
7	6/6	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	135.00	Cft	243.30	Per Cft	32,845.50
8	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	2840.00	Cft	2935.70	%o Cft	8,337.39
			1210.00	Cft	8501.60	%o Cft	10,286.94
9	7/5	Pacca Brick work in Ground Floor with cement sand mortar i) Ratio 1:5 ii) Ratio 1:3	1022.00	Cft	17869.10	% Cft	182,622.20
			145.00	Cft	19112.30	% Cft	27,712.84
10	6/9	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) Deformed bars. 40-Grade	1000.00	Kg	10030.50	% Kg	100,305.00
11	6/6	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 i) Type C (nominal mix 1: 2:4)	300.00	Cft	335.75	Per Cft	100,725.00
12	12/14	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" (40x40x6 mm) welded with M.S. flat 2"x ¼"	150.00	Sft	138.10	Per Sft	20,715.00
13	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter sterling or equivalent with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminium kick plate 22 SWG on both sides & finger plate complete in all respect.	125.00	Sft	359.90	Per Sft	44,987.50
14	25/44	Providing and fixing windows consisting of M.S. box 'section frame 2"x1½", leaves frame 1½"x1" box section frame for glazing 3/8"x3/8" using 16 SWG sheet 'U' shaped rubber 'supported with 1"x1/8" M.S. flat for fixing 3/16" (5 mm) thick glass panes M.S. box section ½"x½" of 16 SWG for fixing 24 SWG wire gauze on 'outer side by means of ¾"x1/8" M.S. flat and 'screws including grill of M.S. flat ½"x1/8" or ¼"x¼" square bar with independent frame of ½"x½" box section of 16 SWG i/c all C.P. fitting and painting 3 coats complete in all respect.	70.00	Sft	469.45	Per Sft	32,861.50
15	11/10	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. 1:3	486.00	Sft	1978.05	% Sft	9,613.32
16	11/11	Cement plaster upto 20' (6.00 mm) height:- ½" (13 mm) thick i) Ratio 1:5	4700.00	Sft	1667.65	% Sft	78,379.55
	11/8	ii) Ratio 1:3	300.00	Sft	1838.10	% Sft	5,514.30
17	9/35	Providing & Laying Roof insulation comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" 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	480.00	Sft	7069.95	% Sft	33,935.76
18	7/30	Supplying and filling sand under floor; or plugging in wells.	155.00	Cft	1682.00	% Cft	2,607.10
19	6/2	Dry rammed brick or stone ballast, 1½" to 2" 40 mm to 50 mm) gauge.	155.00	Cft	3564.00	% Cft	5,524.20
20	10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8"	250.00	Rft	6.60	Per Rft	1,650.00

No	Ref	Description	Quantity	Rate	Unit	Amount	
21	10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels 2" (50 mm) thick	500.00 Sft	4724.05	% Sft	23,620.25	
22	6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:2:4	20.00 Cft	20902.20	% Cft	4,180.44	
23	11/22	Priming coat of chalk under distemper.	2465.00 Sft	131.70	% Sft	3,246.41	
24	13/31	Preparing surface and painting with emulsion paint:- 3 coats New surface	3000.00 Sft	1122.55	% Sft	33,676.50	
25	13/32A	Providing and applying weather shield paint of approved quality on external surface of building i/c preparation of surface, application of primer complete in all respect: 3 coats New surface	2155.00 Sft	2793.20	% Sft	60,193.46	
26	13/5	Painting door & window any type new surface 3 coats	350.00 Sft	1521.45	% Sft	5,325.08	
27	9/15	Making Khuras on roof 2'x2' size	2.00 No	462.10	Each	924.20	
28	12/48	Providing and fixing 1½" (40 mm) thick deodar wood panelled or panelled and glazed, doors and windows, with mild steel chowkat (frame), etc. complete in all respects (excluding sliding bolt or lock) with:- M.S. angle iron 1½"x1½"x¼", welded (40 mmx 40 mmx 6mm) with M.S. flat 2"x¼"	35.00 Sft	637.60	Per Sft	22,316.00	
29	12/12 -b	First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze, 12x12 meshes per square inches (5x5 per cm2) including iron fittings etc. complete: Deodar wood framing 1½" thick, with wire gauze fixed in position:- with springs or spring hinges	25.00 Sft	405.80	Per Sft	10,145.00	
30	12/54	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) Grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	70.00 Sft	184.95	Per Sft	12,946.50	
31	12/55	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" and machine made screws.	70.00 Sft	64.40	Per Sft	4,508.00	
32	12/18	Providing and fixing sliding bolt to doors:- brass sliding bolt, 12" (300 mm) long	6.00 No	337.75	Each	2,026.50	
						<b>Total</b>	<b>1,140,090.00</b>

**Civil Work (Non-Schedule)**

No	Ref.	Description	Quantity	Rate	Unit	Amount	
1		Providing & Fixing marble 3/4" thick Buticina fancy 12"x12" with floating coat of cement over a bed of 3/4" thick cement sand mortar 1:2 over 1" thick PCC 1:2:4 Gray cement, including colour pigment to match with the colour of marble tiles laid with cement sand mortar 1:2 rubbing and chemical Polishing, as approved by Engineering Incharge	400.00 Sft	188.00	Per Sft	75,200.00	
2	N.S	Providing and laying coloured glazed tile Dado/Floor 12" x 24" size (BELLO (BL) series on Dark color base class SB) laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2 complete in all respects as approved by Engineering incharge.	250.00 Sft	178.00	Per Sft	44,500.00	
3	N.S	Providing & laying 3/8" thick marble dado/skirting (Boticeena/ Fancy) of approved quality including 1:2 cement sand mortar 3/8" thick for laying of marble tiles i/c rubbing grinding and wax polishing, complete in all respects as per drawings and specifications and as approved by the Engineer Incharge.	80.00 Sft	129.00	Per Sft	10,320.00	
4	N.S	Providing & laying 3/4" Thick Marble Slab (Boticeena / 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)	10.00 Sft	298.58	Per Sft	2,985.80	
5	N.S	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame of 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, Sprite polish complete in all respects including aluminium hanger rod etc. as approved by the Engineer Incharge.	90.00 Sft	343.00	Per Sft	30,870.00	
6	N.S	Providing & fixing Kitchen cabinet consisting of lamination board 3/4" thick for leaves deodar wood frame 3"x1", Gola for leaf 3/4"x3/4" including siprit polish for gola complete in all respects as per design, drawing & pattern and as approved by the engineer incharge i) Down Portion	20.00 Sft	346.00	Per Sft	6,920.00	
7	N.S	Providing and Applying termite proofing with biflex/tenakil liquid mixed which water in the ratio of suitable mixing complete in all respects as approved by the Engineer Incharge.	400.00 Sft	7.43	Per Sft	2,972.00	
						<b>Total</b>	<b>173,768.00</b>

No	Ref	Description	Quantity	Rate	Unit	Amount	
1	24/3	<b>Electrical Work</b>					
		Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					
		i) 3/4" i/d (20 mm)	150.00	Rft	38.35	Per Rft	5,752.50
		ii) 1" i/d (25 mm)	100.00	Rft	45.30	Per Rft	4,530.00
2	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).					
		i) 3/0.74 mm (3/0.029")	300.00	Rft	11.45	Per Rft	3,435.00
		ii) 7/0.74 mm (7/0.029")	150.00	Rft	15.75	Per Rft	2,362.50
		iii) 7/1.12 mm (7/0.044")	80.00	Rft	31.95	Per Rft	2,556.00
3	24/14	Supply & erection of M.S. sheet box of 16 SWG 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs					
		i) 10 x 10 cm (4"x4")	4.00	No	152.70	Each	610.80
		ii) 17.5 x 10 cm (7"x4")	2.00	No	201.40	Each	402.80
		iii) 20 x 25 cm (8"x10")	2.00	No	369.40	Each	738.80
4	24/31	Supply & Erection switches 5 amp piano type	20.00	No	34.05	Each	681.00
5	24/30	Supply & Erection ceiling rose bakelite	8.00	No	37.25	Each	298.00
6	24/36	Supply and erection of 3 pin switch and plug combined, recessed type					
		i) 5 Amp	3.00	No	69.95	Each	209.85
		ii) 10/15 Amp	2.00	No	95.65	Each	191.30
7	24/39	Supply and erection of button holder. bakelite large size	8.00	No	29.60	Each	236.80
8	24/28	Supply and erection of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").	1.00	No	237.05	Each	237.05
9	24/54	Supply and erection of house service pipe Henley (G.I. Pipe water quality) or pole type, 50 mm (2") dia, erected to instal insulated overhead line, include shackle insulator for holding insulated wire and straining devices for bearer wire and other accessories etc., complete.	10.00	Rft	265.95	Per Rft	2,659.50
10	24/60	Supply and erection of G.I. wire of all sizes, including binding wire No. 16 SWG for support of rubber wire or earthing wire, pole to pole etc.	10.00	Kg	135.15	Per Kg	1,351.50
11	24/13-a	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/ trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed twin core, 250/440 volts. 7/1.63 mm (7/0.064")	100.00	Rft	135.60	Per Rft	13,560.00



No	Ref	Description	Quantity	Rate	Unit	Amount	
12	24/68	Earthing of iron clad/aluminum switches, etc. with G.I. wire No. 8 SWG in G.I. pipe 15 mm (½") dia, recessed or on surface of wall and floor, complete with 1.5 metre long G.I. pipe, 50 mm (2") dia with reducing socket 4 to 5 metre below ground level, and 2 metre away from building plinth.	1.00	No	4335.95	Each	4,335.95
<b>Total</b>						<b>44149.00</b>	
1	N.S	<b>Electrical work (Non-Schedul)</b> Supply, installation, fixing, wiring, testing and commissioning of fans with required requisite sweep including cost of blades, hanging rod, canopy, capacitor, stepless dimmer/regulator, bracket, nuts, bolts and all mounting arrangement, complete in all respects as approved by the engineer incharge i) Fan 56" sweep (Pak Fan, Royal) ii) Exhaust Fan 12" (Plastic body)	2.00 1.00	No No	4593.00 2613.00	Each Each	9,186.00 2,613.00
2		Supply and erection Fancy Light with LED Bulb Phillips (3 Watt) on external side of the building best quality as approved by the engineer incharge.	2.00	No	2784.00	Each	5,568.00
3	N.S	Supply installation, testing & commissioning of sub distribution board (DB) wall mounted type mae of 16 SWG sheet with stove enamelled paint & hinged door as per approved design following detailes DB size 12"x18" <b>INCOMMING</b> 1x30 Amps Single Phase MCB (Two Pole)					
		<b>OUTGOING</b> 2 Nos 20 Amps single phase 2 Nos 10 Amps single phase 2 Nos 6 Amps single phase	1.00	No	7244.00	Each	7,244.00
4	N.S	Supply and erection of energy saver lamp 23 watt (Philips) i/c large size backalite holder as approved by the engineer incharge	8.00	No	319.00	Each	2,552.00
5	N.S	Supply & installation of plastic fan box best quality complete in all respects as approved by the engineer incharge	2.00	No	103.00	Each	206.00
6	N.S	Supply and erection of Gate Light with Energy saver lamp 23 watt (Philips) complete in all respects as approved by the engineer incharge	1.00	No	765.00	Each	765.00
7	N.S	Supply and erection of single phase Energy meter i/c Sheet iron box duly painted complete in all respects as approved by the engineer incharge	1.00	No	7582.00	Each	7,582.00
8	N.S	Supply & Erection of Power Plug 20 Amp best quality Bush company as required at site of work complete in all respects as approved by the engineer incharge.	2.00	No	391.00	Each	782.00
<b>Total</b>						<b>36,498.00</b>	
1	19/3	<b>Plumbing Work</b> Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured	1.00	No	1415.25	Each	1,415.25
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.	1.00	No	1180.05	Each	1,180.05
3	19/34	P/F "P" trap:- 10 cm (4") glazed.	6.00	No	136.65	Each	819.90
4	19/27	Providing and fixing chromium plated tee stop cock 15mm (½")	4.00	No	453.50	Each	1,814.00
5	19/26	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	3.00	No	333.50	Each	1,000.50
6	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	1.00	No	383.70	Each	383.70
7	19/22	Providing and fitting:- i) Plastic soap dish ii) plastic shelf 60x13 cm (24"x5") with bracket and railing. iii) Plastic towel rail iv) plastic toilet paper holder	1.00 1.00 1.00 1.00	No No No No	160.30 431.20 249.60 225.60	Each Each Each Each	160.30 431.20 249.60 225.60

No	Ref	Description	Quantity		Rate	Unit	Amount
8	19/6	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	1.00	No	2679.75	Each	2,679.75
9	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	2.00	No	1558.40	Each	3,116.80
10	19/43	Providing and fixing, brass gas cock:- i) 15 mm (1/2") dia ii) 20 mm (3/4") dia	3.00 1.00	No No	84.90 126.90	Each Each	254.70 126.90
11	19/39	Supply and fitting of cast iron manhole cover with frame, etc. complete. 45 cm (18") dia	3.00	No	869.25	Each	2,607.75
12	23/22	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Light Quality i) 1/2" i/d (15 mm) ii) 1" i/d (25 mm)	50.00 100.00	Rft Rft	57.75 108.30	Per Rft Per Rft	2,887.50 10,830.00
13	21/01	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1 1/2:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. 225 mm (6") i/d	50.00	Rft	132.15	Per Rft	6,607.50
14	3/42	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- 0 ft. to 7.0 ft. (0 to 2.10 m) depth	840.00	Cft	5118.60	%o Cft	4,299.62
15	21/15	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	1.00	No	5681.45	Each	5,681.45
						<b>Total</b>	<b>46,772.00</b>
1	N.S	<b>Plumbing Work (Non-Schedule)</b> Providing, Laying, Fixing, testing uPVC 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 4" dia Pipe	80.00	Rft	185.00	Per Rft	14,800.00
2	N.S	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 dia ii) 25 mm dia	78.00 50.00	Rft Rft	97.87 78.00	Per Rft Per Rft	7,633.86 3,900.00
3	N.S	Providing & Fixing Sink bowl stainless steel 17"x21" size i/c waste pipe and waste coupling best quality complete in all respects as approved by the engineer incharge	1.00	No	3606.00	Each	3,606.00
4	N.S	Providing & Fixing wall shower set (Dilawar/Glaxi) best quality complete in all respects as approved by the engineer incharge	1.00	No	4581.55	Each	4,581.55
5	N.S	Providing & Fixing Gate valve of PPRC 32 mm best quality complete in all respects as approved by the engineer incharge	1.00	No	512.00	Each	512.00

6	N.S	Providing & Fixing MS Pressure pipe, 1/4" thick with all fitting such as elbow, bend, socket etc for main line API quality as per SNGPL specification including cleaning, welding, wrapping with fiber glass and compound excavation 3' below from ground level back filling and restoratoin and original condition and as approved by the engineer incharge pressure 100 PSI. 1" dia 1/4" thick	20.00	Rft	296.00	Per Rft	5,920.00
7	N.S	Providing & Fixing Gas regulator Peable best qulaity complete in all respects as approved by the engineer incharge	1.00	No	2,206.00	Each	2,206.00
8	N.S	Providing & Fixing Gas Service Valve 1" dia best qulaity complete in all respects as approved by the engineer incharge	1.00	No	4,006.00	Each	4,006.00
9	N.S	Providing & Fixing Muller Tee best qulaity complete in all respects as approved by the engineer incharge 1" dia	1.00	No	2,206.00	Each	2,206.00

No	Ref	Description	Quantity	Rate	Unit	Amount
10	N.S	Providing & Fixing Sui Gas Meter complete in all respects as approved by the engineer incharge	1.00 No	4,606.00	Each	4,606.00
11	N.S	Providing & Fitting plastic floor jali	4.00 No	210.00	Each	840.00
<b>Total</b>						<b>54,817.00</b>
<b>Compound Wall &amp; Main Gate</b>						
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	500.00 Cft	6130.10	%o Cft	3,065.05
2	6/3	Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth: Ratio 1:4:8	100.00 Cft	12253.40	% Cft	12,253.40
3	7/4	Pacca brick work in foundation & plinth with cement sand mortar (1:6)	350.00 Cft	16294.20	% Cft	57,029.70
4	6/33-b	Providing & laying 1.50" thick demp proof course with cement concrete 1:2:4 including 2 coats of bitumen	70.00 Sft	4463.25	% Sft	3,124.28
5	7/7	Pacca brick work other than building upto 10ft. (3 m) height. cement, sand mortar:- 1:3	250.00 Cft	18479.75	% Cft	46,199.38
6	11/11	Cement plaster upto 20' (6.00 mm) height:- ½" (13 mm) thick Ratio 1:5	1200.00 Sft	1667.65	% Sft	20,011.80
7	13/32A	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete 3 coats New surface	1200.00 Sft	2793.20	% Sft	33,518.40
8	25/30	Making and fixing steel grated doors complete with locking arrangement, angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre.	10.00 Sft	701.00	Per Sft	7,010.00
9	25/31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	30.00 Sft	815.55	Per Sft	24,466.50
<b>Total</b>						<b>206,679.00</b>

1,702,773.00  
11  
18,730,503.00

No	Ref	Description	Quantity	Rate	Unit	Amount
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**The Islamia University of Bahawalpur**

**Addition & Alteration of 4.50" thick Existing Boundary Wall at IUB Sub Campus Rahim Yar Khan**

**Engineer's Cost Estimate**

MRS: January to June, 2017 RYK

No.	Ref	Description	Quantity	Rate	Unit	Amount
<b>A) Civil Work (Schedule Items)</b>						
1	3/21-b	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil	4944.00	Cft	5995.45	29,641.50
2	7/4-i	Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:6	4208.00	Cft	16205.85	681,942.17
3	6/5-i	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:4:8	815.76	Cft	16022.40	130,704.33
4	11/4-b	Cement Neru plaster 1:2 (cement and sand) upto 20 (6.00 m) height 1/2" (13 mm) thick	6250.00	Sft	1937.20	121,075.00
5	7/7-i	Pacca brick work other than building upto 10ft. (3 m) height. Ratio 1:4	2473.90	Cft	17631.40	436,183.20
6	11/9-b	Cement Plaster 1:4 upto 20' height b) 1/2" (13 mm) thick	7908.66	Sft	1715.45	135,669.11
7	11/18-b	Cement pointing struck joints, on walls, upto 20' (6.00 m) hieght:-ratio 1:3	6405.00	Sft	1731.40	110,896.17
8	11/31.	Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.	6405.00	Sft	301.15	19,288.66
9	25/10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position. i/c Erection and fitting in position iron trusses, staging of water tank, etc.	4622.00	Kg	11344.35	524,335.86

**The Islamia University of Bahawalpur**

**Addition & Alteration of 4.50" thick Existing Boundary Wall at IUB Sub Campus Rahim Yar Khan**

**Engineer's Cost Estimate**

MRS: January to June, 2017 RYK

No.	Ref	Description	Quantity	Rate	Unit	Amount
10	13/9-i	Bitumen coating to plastered or cement concrete surface:- 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	11880.00	Sft	837.60	99,506.88
11	26/37-ii	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	11880.00	Sft	3.75	44,550.00
12	3/15 + 3/17a	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside, lead upto one chain (30 m) Transportation of earth all types when the total distance, including the lead covered in the item of work, is more than 1000 ft. (300 m) a) upto 1/4 mile (400 m).	25545.50	Cft	8272.60	211,327.70
<b>Total</b>						<b>2,545,121.00</b>
<b>B) Civil Work (Non Schedule)</b>						
1	NS	Providing and fixing Razor cutt wire fencing double sharp four pointed razor @ 1-1/4" c/c with 'U' shaped cladding over M.S wire making ring of 24" dia 3 Nos rings in one Rft length at 0.659 kg P/Rft fixed on wall i/c 2 Nos bars 3/8" dia welded horizontally & 2.25, 3" dia welded vertically 8' apart making hole and fixing with nut bolts / hold fast including binding wire, etc. complete in all respects as approved by the Engineer incharge.	3,957.00	Rft	214.53	848,895.21
<b>Total</b>						<b>848,895.00</b>

**The Islamia University of Bahawalpur**

**CONSTRUCTION OF NEW BOUNDARY WALL AT IUB SUB CAMPUS RAHIM YAR KHAN**

**Engineer's Cost Estimate**

MRS: January to June, 2017 RYK

No.	Ref	Description	Quantity	Rate	Unit	Amount
<b>A) Civil Work (Schedule Items)</b>						

No	Ref	Description	Quantity	Rate	Unit	Amount
1	3/21-b	Excavation in Foundation of building, bridges and other structures including dag-belling, dressing, refilling around structure with the excavated earth. i) In ordinary Soil	16,787.50 Cft	5995.45	%oCft	100,648.62
2	26/37ii	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.500 gauge (.005" thick)	10,200.84	3.75	Per Sft	38,253.15
3	6/5-i	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) (f) Ratio 1: 4:8	2,360.65 Cft	16022.40	%Cft	378,233.29
4	6/9-b	Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cost of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars - Deformed Bars (40-Grade )	17,183.55 Kg	10036.40	% Kg	1,724,609.48
5	6/6a-ii-3	Providing and laying reinforced cement concrete (including prestressed concrete) using coarse sand and screened graded and wased aggregate in required sahape and design including forms moulds shuttering, lifting, compaction, curing rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication 2) plastering done under soffit of a)(ii) Reinforced cement concrete in slab of rafts / stripfoundation, 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) using SR cement complete in all respects Ratio. 1:2:4	1,665.00 Cft	241.50	Per Cft	402,097.50

**The Islamia University of Bahawalpur**  
**CONSTRUCTION OF NEW BOUNDARY WALL AT IUB SUB CAMPUS RAHIM YAR KHAN**  
**Engineer's Cost Estimate**

MRS: January to June, 2017 RYK

No.	Ref	Description	Quantity	Rate	Unit	Amount
ii)	6/6a-i-3	Reinforced Cement Concrete in roof slabs beams, columns, lintles, girders and other structural members cast-in-situ. Complete in all respect. i) Ground Floor Ratio 1:2:4	4,281.28 Cft	332.70	Per Cft	1,424,381.86
6	7/4-i	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:6	6,060.71 Cft	16205.85	%Cft	982,189.57
7	6/35-i-a	Providing & Laying Vertical Damp Proof Course of Cement Sand Plaster (1:4) with one coat of Bitumen and one layer of Ploythene Sheet 500 Gauge. a)1/2" thick Vertical DPC.	11,000.00 Sft	2620.60	% Sft	288,266.00
ii)	6/35-i-b	b) ¾" thick (20 mm)	11,000.00 Sft	2910.35	% Sft	320,138.50
8	7/7-i	Pacca brick work other than building upto 10ft. (3 m) height. i) cement, sand mortar:- Ratio 1:4	13,067.25 Cft	17631.40	%Cft	2,303,939.12
9	11/9-b	Cement Plaster 1:4 upto 20' height b) ½" (13 mm) thick	19,250.00 Sft	1715.45	%Sft	330,224.13
ii)	11/9-c	c) ¾" thick	21,312.50 Sft	2307.60	%Sft	491,807.25
10	25/10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders,tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.	1,955.16 Kg	11344.35	%Kg	221,800.19
11	25/11	Erection and fitting in position iron trusses, staging of water tanks, etc.	1,955.16 Kg	661.75	%Kg	12,938.27
12	3/7-i	Earthwork excavation in open cutting to 5'-0" depth for storm water channels, drains,sullage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works,shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 100 ft. (60 m) lead: (4697.05+4619.80=9316.85) i) ordinary	352,500.00 Cft	10032.40	%o Cft	3,536,421.00

**The Islamia University of Bahawalpur**  
**CONSTRUCTION OF NEW BOUNDARY WALL AT IUB SUB CAMPUS RAHIM YAR KHAN**

No	Ref	Description	Quantity	Rate	Unit	Amount
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**Engineer's Cost Estimate**

MRS: January to June, 2017 RYK

No.	Ref	Description	Quantity	Rate	Unit	Amount
13	1/1	Carriage of 100 Cft. (2.83 cu.m) of all materials like stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor	9,326.48 Cft	45.68	Per Cft	426,033.61
14	1/9	Carriage of 1000 No. bricks, 9"x4½"x3" (225x113x75 mm) or 8"x4"x4" 200x100x100 mm) (nominal)	258,227.52 No	352.51	%o No	91,027.78
15	1/11	Carriage of 1 Cwt. (50 Kg) cement in bags.	2,894.38 Bag	5.85	Per Bag	16,932.12
					<b>Total</b>	<b>13,089,941.00</b>

No.	Ref	Description	Quantity	Rate	Unit	Amount
<b>B)</b>		<b>Civil Work (Non Schedule)</b>				
1	NS	Providing and fixing Razor cutt wire fencing double sharp four pointed razor @ 1-1/4" c/c with 'U' shaped cladding over M.S wire making ring of 24" dia 3 Nos rings in one Rft length at 0.659 kg P/Rft fixed on wall i/c 2 Nos bars 3/8" dia welded horizontally & 2.25, 3" dia welded vertically 8' apart making hole and fixing with nut bolts / hold fast including binding wire, etc. complete in all respects as approved by the Engineer incharge.	2,750.00 Rft	214.53	Per Rft	589,957.50
					<b>Total (B)</b>	<b>589,958.00</b>

Grand Total

17,073,915.00

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**The Islamia University of Bahawalpur**  
Construction of **Boys Hostel** Sub Campus at Rahim Yar Khan  
Engineer's Cost Estimate

MRS January to June, 2017 RYK

No.	Ref	Description	Quantity	Rate	Unit	Amount
1	3/21-b	Excavation in foundation of building, bridges and other structures including dag-belling, dressing, refilling 'around structure with excavated earth, watering and 'ramming lift upto 5 Ft. - Ordinary Soil	59622.68 Cft	5995.45	% oCft	357,464.80
2	26/42	Spraying anti-termite liquid mixed with water 'in the ratio of 1:40 as approved by the 'Engineer Incharge.	65939.76 Sft	218.60	% Sft	144,144.32
3	26/37-ii	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc. ii) 500 gauge (.005" thick)	69476.72 Sft	3.75	P/ Sft	260,537.70
4	6/5-i	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	8998.36 Cft	16022.40	%Cft	1,441,753.23
5	6/9-c	Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars - Deformed Bars ( 60-Grade )	141562.20 Kg	10491.10	%Kg	14,851,431.96
	6/9-b	Deformed Bars ( 40-Grade )	27993.26 Kg	10036.40	%Kg	2,809,515.55
6		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.):-				

	6/6 a-(ii)	(a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) used harrow sand & Sulphate Resistant Cement.	13839.84	270.80	P/Cft	3,747,828.67
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No	Ref	Description	Quantity	Rate	Unit	Amount
7	6/6 a-(i)	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, 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:- i) (nominal mix 1: 1½: 3) used harrow sand.	27953.60 Cft	361.90	P/Cft	10,116,407.84
8	1/1	Subsequent carriage of crushed stone aggregate total distance from sakhi sarwar to Sunny pull Rahim Yar Khan at site of work average 340 KM i) Bajri for Ratio: 1:1.5:3	41,793.00 Cft	43.60	Per Cft	1,822,174.80
	1/1	ii) Bajri for Ratio: 1:2:4	1,765.27 Cft	45.68	Per Cft	80,637.53
	1/1	iii) Bajri for Ratio: 1:4:8	8,998.36 Cft	49.83	Per Cft	448,388.28

9	13/9-iii	Bitumen coating to plastered or cement concrete surface:- iii) 10 lbs. per 100 Sft. (4.54 Kg per Sq.m)	22562.27 Sft	496.75	% Sft	112,078.08
10	7/4-i	Pacca Brick Work in foundation and plinth in Cement Sand Mortar --- Ratio (1:6) (Using Sulphate Resistant Cement).	22178.83	16205.85	%Cft	3,594,267.92
11	3/15-ii + 3/17-a	Filling, watering and ramming earth under floors:- with new earth excavated from outside, lead upto one chain (30 m). upto ¼ mile (400 m). for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (5553.00+2719.60)	272431.91 Cft	8272.60	%oCft	2,253,720.22
12	3/15-i	Filling, watering & ramming earth under floors with surplus earth from foundation etc -	32390.38 Cft	2870.75	%oCft	92,984.68
13	6/33 a(ii)	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating:- (a) with one coat bitumen and one coat polythene sheet 500 gauge. 'ii) 2" thick (50 mm)	3519.11 Sft	4805.25	% Sft	169,102.03
14	6/32-a	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints: a) 1" (25 mm) thick thermopore sheet.	1852.00 Sft	11.15	P/Sft	20,649.80
15	12/14-a	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	4289.40 Sft	137.65	P/Sft	590,435.91

16	6/6-a-i	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, 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) Type C (nominal mix 1: 2 : 4) used harrow sand.	1765.27 Cft	332.70	P/Cft	587,305.33
17	7/5-i	Pacca B/Work in Cement Sand Mortar, (1:5) Ground floor	29295.92 Cft	17752.70	%Cft	5,200,816.79

No	Ref	Description	Quantity	Rate	Unit	Amount
18	7/21-ii	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart.	9168.51	Sft	7800.30	% Sft 715,171.29
19	11/10-b	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3	41793.20	Sft	1944.00	% Sft 812,459.81
20	11/9-b	Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	112084.18	Sft	1715.45	% Sft 1,922,748.07

21	6/35-a(ii)b	Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge: ii) Ratio 1:3 b) ¾" thick (20 mm)	1104.14	Sft	3019.70	% Sft 33,341.72
22	7/30	Supplying and filling sand under floor; or plugging in wells.	10164.77	Cft	1676.70	%Cft 170,432.70
23	6/2	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.	11846.28	Cft	3516.50	%Cft 416,574.44
24	9/5 + 26/37	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded also include a lyer of polythene sheet etc. ii) 500 gauge (.005" thick)	26,620.85	Sft	6114.00	% Sft 1,627,598.77
25	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	44.00	No	455.30	Each 20,033.20
26	21/1-iii	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. i) i/d 9"	1,041.67		336.75	Per Rft 350,782.37

27	21/3-i	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. i) 310 mm (12" ) i/d	168.00	Rft	404.65	Per Rft 67,981.20
28	6.008 Input	Providing/Using Sulphate Resistant Cement instead of Ordinary Portland Cement. Where mentioned in MRS Items. (Difference in cost of OPC & SRC)	7607.17	Bag	48.00	P/Bag 365,144.16
29	7/9	Extra labour for arch work in brick masonry, including labour for centering and decent ring.	349.14	Cft	1247.15	% Cft 4,354.30
30	12/55	Providing and fixing G.I. wire gauze 22 SWG, 12x12 'meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13 mmx3 mm) and machine made screws.	1446.80	Sft	63.85	P/ Sft 92,378.18
31	12/18-iv	Providing and fixing sliding bolt to doors:- iv)brass sliding bolt, 12" (300 mm) long	17.00	No	335.65	Each 5,706.05



No	Ref	Description	Quantity	Rate	Unit	Amount	
32	12/50	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 lapping 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	1829.58	Sft	358.05	P/ Sft	655,081.12

33	10/42-a	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. a) 'Size 1½" x 3/8" (40 x 10 mm)	1614.00	Rft	6.60	Per Rft	10,652.40
34	10/15-e	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:- (e) 2" thick	6771.64	Sft	4668.85	% Sft	316,157.71
35	11/22	Priming coat of chalk under distemper.	29915.69	Sft	128.65	% Sft	38,486.54
36	11/23a(i ii)	Distemping:- a) new surface:- iii) three coats	29915.69	Sft	382.70	% Sft	114,487.35
37	13/31	Preparing surface and painting with emulsion paint:- New surface 3-coats (433.20+336.25+336.25)	93583.40	Sft	1105.70	% Sft	1,034,751.65
38	25/10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.	2621.36	Kg	11344.35	%Kg	297,376.25
39	25/11	Erection and fitting in position iron trusses, staging of water tanks, etc.	1282.07	Kg	661.75	%Kg	8,484.10
40	9/2	Second class tile roofing consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leeping 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.	772.78	Sft	8462.45	% Sft	65,396.12

41	12/18-iii	Providing and fixing sliding bolt to doors:-brass sliding bolt, 10" (300 mm) long	77.00	Nos	178.45	Each	13,740.65
42	13/32A	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 (1364.15+691.75+691.75)	33110.54	Sft	2747.65	% Sft	909,761.75
43	13/5-c	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 3-Coats (713.45+392.90+392.90)	3934.32	Sft	1499.25	% Sft	58,985.29
44	10/39 a- ii	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3,including rubbing and polishing, complete with finishing: (a) using grey cement: ii) ½"(13 mm) thick	639.00	Sft	10052.45	% Sft	64,235.16
45	3/42-i	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) '0 ft. to 7.0 ft. (0 to 2.10 m) depth	1007.73	Cft	5014.40	%0 Cft	5,053.16

No	Ref	Description	Quantity	Rate	Unit	Amount
46	6/3-b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (b) Ratio 1: 4:8	477.72 Cft	12160.00	% Cft	58,090.75
47	7/4-i	Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:3 for manholes	904.52 Cft	17822.70	% Cft	161,209.89
48	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4	269.13 Cft	20774.40	% Cft	55,910.14
49	11/8-b	Cement plaster 1:3 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	2164.76 Sft	1808.50	% Sft	39,149.68
50	12/44-a	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.	478.09 Sft	62.80	P/Sft	30,024.05
51	21/15	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	9.00 No.	5681.30	Per Set	51,131.70
52	13/5-c	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 2-Coats (713.45+392.90)	16324.00 Sft	1106.35	% Sft	180,600.57
53	25/34	Providing and fixing stair railing of 2½" (63 mm) i/d G.I. pipe, welded with 5/8"x5/8" (16x16 mm) square M.S. bars 2'-9" (838 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats.	183.32 Rft	528.90	P/Rft	96,957.95
54	25/35	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 2.75 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.	41.43 Rft	559.50	P/Rft	23,180.09
55	12/21	Providing & Fixing approved quality mortice lock.	19.00 No's	525.20	Each	9,978.80
56	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/c cutting and placing in position complete in all respect. b) 1-1/2" thick	26,620.85 Sft	8179.60	% Sft	2,177,479.05
57	6/24-ii	Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I. screw, 1.5 in (40 mm) long to cover construction joints vertically ii) G.I. sheet, 18 SWG	1450.00 Rft	78.70	P/Rft	114,115.00
					<b>Total</b>	<b>61,896,829.00</b>

No	Ref	Description	Quantity	Rate	Unit	Amount	
1		<b>Civil Work (Non-Schedule)</b>					
	NS	Providing and fixing windows consisting of M.S. box section frame 3"x1½", 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.	2520.62	Sft	561.00	P/Sft	1,414,067.82
2		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 in charge.					
	NS		3543.95	Sft	257.00	P/Sft	910,795.15
3		Providing & Laying flooring of dark coloured Granite tiles of size 16"x16" DWV Series (Dark Rectified polish) Class SB (Master or Equielent) including floating coat of cement and pigment over a bed of 3/4" thick cement mortar 1:2 and filling of joints with matching colors & pattern, complete in all respects as directed and approved by the Engineer-in-Charge.					
	NS		23316.59	Sft	230.97	P/Sft	5,385,432.79
4		Providing & Laying Dado/Skirting of dark coloured Granite tiles of size 16"x8" DWV Series (Dark Rectified polished) Class SB (Master or Equielent) including floating coat of cement / chemical bond and pigment also filling of joints with matching colors & pattern, complete in all respects as directed and approved by the Engineer-in-Charge.					
	NS		3376.31	Sft	139.21	P/Sft	470,015.44
5		Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, 3-coat painting complete in all respects including aluminum hanger rod etc. as approved by the Engineer In charge.					
	NS		7849.80	Sft	292.71	P/Sft	2,297,714.96
6		Providing & laying 1/4" thick colored mat tile 12"x12" size for floor of Master, Shabeer i/c laid in white cement & pigment and on a bed of cement concrete 1" thick 1:2:4 & 3/4" thick cement (Using Sulphate Resistant Cement) sand mortar 1:2 complete in all respects as approved by the engineer incharge.					
	NS		2894.41	Sft	148.34	P/Sft	429,356.78
7		Providing & laying 1/4" thick coloured glazed tile 12"x18", 10"x13" size for dado/skirting of Master, Shabeer laid in white cement & pigment including 3/4" thick cement sand mortar 1:2 (Using Sulphate Resistant Cement) complete in all respects as approved by the engineer incharge.					
	NS		7059.13	Sft	135.61	P/Sft	957,288.62
8		Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges kik plate, door handle with locking arrangement complete in all respects as approved by engineer incharge					
	NS		734.76	Sft	951.88	P/Sft	699,403.35

No	Ref	Description	Quantity	Rate	Unit	Amount	
9		Providing & laying 3/4" thick marble slab Boticina/Lasbela of approved quality size 1'x2'x3/4" including (rounding of corner) and 1:2 cement (Sulphate Resistant Cement) sand mortar for laying of marble tiles 3/4" thick i/c chemical polishing, rubbing & grinding complete as per drawing, design & pattern as approved by the Engineer-in-Charge.	1361.11	Sft	280.95	P/Sft	382,403.85
10	NS	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the 'engineer incharge.					
	NS	a) For Kitchen cabinet down portion	80.82		460.00	P/Sft	37,177.20
	NS	b) For Kitchen cabinet Upper portion	62.90	Sft	430.00	P/Sft	27,047.00
11		Providing and fixing 1 1/2" (40mm) thick deodar wood panelled and glazed in special design door, best quality, with Tower bolt 3' Length, Tower bolt 12" Length in Bottom, Handle 12" (150mm) special, Sliding Bolt brass 18" Special Quality italian design and vax polishing etc, complete in all respects as design, drawing and as approved by the Engineer Incharge.	68.51	Sft	1617.03	P/Sft	110,782.73
12		Providing, Laying placing & Finishing of two coats of wall putty (ICI,Buerger,Brighto,Master) on finished plaster surface complete in all respects as directed & approved by the engineer incharge.	93583.40	Sft	623.23	% Sft	583,239.82

	N.S	Construction of Dome of fiber glass sheet comprising on coloured fiber glass 4mm thick sheet for upper portion and off-white fiber glass sheet 4mm thickness for lower portion, where as whole dome shall have the supports of 1 1/4" & 1 1/2" square MS pipes of 16 gauge laid in curvature as of dome, including hoisting & placing on the already prepared base of octagon shape, with MS square pipe of suitable section as base of dome & with steel plate 3mm thick for connecting rawal bolts etc & painting etc, complete as per approved drawing of dome for academic block and in all as approved by the Engineer in Charge.	571.50	Sft	1865.60	P/Sft	1,066,190.40
	N.S	Providing & laying in position Pre-cast concrete grey tuff tiles of Izhar / Envicrete Tuff Tile Pvt. Ltd. or equivalent approved brand 7000 PSI, 60 mm thick sand grouted laid over 4" thick sand filling 4" thick PCC 1:6:12 stone of brick ballast and 2" thick sand cushion, as design & pattern and approved by the engineer incharge.	2,825.00	Sft	163.20	P/Sft	461,040.00
	N.S	Providing & laying in position Pre-cast concrete coloured tuff tiles of Izhar / Envicrete Tuff Tile Pvt. Ltd. or equivalent approved brand 7000 PSI, 60 mm thick sand grouted laid over 4" thick sand filling 4" thick PCC 1:6:12 stone of brick ballast and 2" thick sand cushion, as design & pattern and approved by the engineer incharge.	1,250.00	Sft	157.92	P/Sft	197,400.00
	N.S	Providing & Fixing Stainless steel railing vertical pipe 2 1/2" dia 4' center to center, horizontal pipe 2 1/2" dia on top railing and 3 No's horizontal pipes brassing 1" dia, fixed to the base with rawal bolts, vertical post to be covered with stainless steel plate complete in all respects & as approved by the Engineer Incharge.	385.00	Rft	1200.00	Per Rft	462,000.00
						<b>Total</b>	<b>13,704,726.00</b>

1		<b>Electrical Work (Schedule Items)</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.					
(i)	24/3-ii	3/4" (20 mm) i/d	5078.95	Rft	37.65	P/ Rft	191,222.47
(ii)	24/3-iii	1" (25 mm) i/d	11060.06	Rft	44.55	P/ Rft	492,725.67
(iii)	24/3-vi	2" (50 mm) i/d	80.00	Rft	75.90	P/ Rft	6,072.00

No	Ref	Description	Quantity	Rate	Unit	Amount
2	24/49	Supply and erection of 3/8" (10 mm) dia <b>Plastic Coated</b> M.S. bar fan hook, placed at the time of casting of slab.	99.00 No	37.90	Each	3,752.10
3		Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe / M.S. conduit / G.I. pipe / wooden strip batten / wooden casing an capping / G. I. wire / trenches (rate for cables only):- 250 / 440 Volts, PVC insulated:-				
	24/10a-i	3/0.74 mm (3/0.029")	9794.50	11.30	P/ Rft	110,677.85
	24/10a-ii	3/0.91 mm (3/0.036")	31910.00	11.75	P/ Rft	374,942.50
	24/10a-iii	7/0.74 mm (7/0.029")	16967.00	15.60	P/ Rft	264,685.20
	24/10a-iv	7/0.91 mm (7/0.036")	1340.00	22.55	P/ Rft	30,217.00
	24/10a-v	7/1.12 mm (7/0.044")	1975.00	31.80	P/ Rft	62,805.00
	24/10a-vi	7/1.63 mm (7/0.064")	7272.00 Rft	75.15	P/ Rft	546,490.80
4		Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated, PVC sheathed 4-core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 37/2.62 mm (37/0.103")				
	24/13 d- viii		150.00 Rft	3701.05	P/ Rft	555,157.50

	NS	Providing & Fixing Fan hook popular or equilant quality with PVC fan hook cover sheet 8" dia	119.00 NO	312.00	Each	37,128.00
					<b>Total</b>	<b>2,675,876.00</b>

1	(i)	<p><b>Electrical Work (Non Schedule Items)</b></p> <p>L.T. Switch gear LT Panel Supply, installation and commissioning of LT-Panel made of sheet steel 14 SWG, totally enclosed, indoor in free standing design including all auxiliaries, internal wiring from MCCBS terminating on cable terminals blocks installed at the top of LT-PANEL, designation labels of all incoming and outgoing feeders as shown on the drawings, earthing bar, neutral bar, suitable for system voltage 415 V, 50 Hz, 3 Phase, neutral and earthing bus bars made of 99.8% electrolytic copper of under mentioned capacities.</p> <p>Body of MPB shall be degreased and de-rusted having one coat of antirust paint with further 2 Coats of powder paint of approved colour and shall be equipped as mentioned below, including cost of all necessary materials complete in all respects and in accordance with the latest BS codes and conforming to single line diagram. rated current of Main &amp; Neutral Bus Bar rated at 50 degree centigrade.</p> <p>All Breakers to be installed shall be of one make only and not moisture of two manufacturers.</p>				
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No	Ref	Description	Quantity	Rate	Unit	Amount
		Make MG. (Made in France), Mitsubishi and Terasaki (Made in Japan / Spain) ABB, Legrand, GE / AEG (Made in Italy). Rated current of ACB & MCCB 50 degree centigrade Icu not less than 20 KA for incoming, outgoing Breakers and for busbar installed in the panel.				

		Front & Rear open able doors. shop drawings shall be submitted by the manufacture for Approval to consultant before starting Fabrication of all Main Panel Board, Sub Main Panel Board Motor control center and Light, pore distribution boards. Icu=lcs for all incoming, outgoing Breakers.					
	(ii)	Incoming					
	(iii)	1-400amp, TP, MCCB,					
		3-Phase indication lamps of colour Red, yellow, and Blue or green ion incoming 1-Digital Voltmeter scales 0-500 V with phase selector switch.					
		3-400/5 Amps CTs. Make Revalco Italy accuracy class 0.5.					
		1-Digital voltmeter 0-500 volts with phase selector switch.					
	NS	1-Digital Ampr meters 0-400 Amps.	1.00	No	345670.00	Each	345,670.00
2		<b>Distribution Board</b> Supply, installation, connection of wires cables, and commissioningof distribution boards concealed type or tobe installed on wall, made of 16 SWG M.S. sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolts, washers, earthing of DB door with braided copper internal wiring, PVC cable glands for incoming and out going wires / cables, 2 earthing terminals designation label engraved on plastic sheet of appropriate size to be pated on the front side of DB, 3 Phase indicaion lamps of colour red, yellow, blue, make hager, Lagrand (France) SV122 SV128 SV126 moulded case circuit breaker with overload and short circuit protection (MCCB) to be installed on the incoming side, Icu not less than 10 KA, and for miniature circuit breakers Icu 6 KA make M.G., Legrand (Frnace), ABB (Italy) Terasaki (Japan), G.E, having overload andshort circuit protection, including cost of all necessary fixing accessories complete in all respects.					

		a) DB-G1, G3, Incoming 1-40 Amps TP MCCB Outgoing 24-10/15 Amps SP MCBs Icu not less than 6 KA.					
	NS	3-Provision of space for future MCBs	6.00	No	37100.00	Each	222,600.00
		ii) DB-GL2,FL2,SL2, <b>incoming</b> 1-40 Amps TP MCCB <b>Outgoing</b> 21-10/15 Amps SP MCBs Icu not less than 6 KA.					
	NS	3-Provision of space for future MCBs	3.00	No	46375.00	Each	139,125.00
3		Providing and fixing Energy saver 23 watt ( Philips / Orient ) complete in all respects i/c fixing at site as approved & directed by the Engineer Incharge					
	NS		403.00	No's	324.00	Each	130,572.00
4		Providing & Fixing of kit type switches & Sockets fixed on plastic sheet & plastic board (Make Lear China) complete in all respects and as approved by the Engineer Incharge.					
	(i) NS	<b>6 Switch &amp; 2-socket</b>	57.00		1526.61	Each	87,016.88
	(ii) NS	<b>5 Switch &amp; Socket</b>	9.00		1263.31	Each	11,369.77
	(iii) NS	<b>4 Gang Switch</b>	8.00		797.25	Each	6,377.98
	(iv) NS	<b>4 Switch &amp; 2-socket</b>	6.00		1276.92	Each	7,661.51
	(v) NS	<b>7 Switch &amp; socket</b>	8.00		1476.24	Each	11,809.93
	vi NS	<b>8 Gang Switch</b>	4.00		1412.13	Each	5,648.53
	vii NS	<b>8 Switch &amp; Socket</b>	3.00		1644.53	Each	4,933.58
	viii NS	<b>9 Switch &amp; Socket</b>	7.00		1934.16	Each	13,539.13
	ix NS	<b>3 Switch &amp; Socket</b>	4.00		868.22	Each	3,472.90
	x NS	<b>Light Plug</b>	55.00		920.89	Each	50,648.71
	xi NS	<b>Power Plug</b>	148.00	No's	993.01	Each	146,965.18

No	Ref	Description	Quantity		Rate	Unit	Amount
5	NS	Supply & installation of ceiling fan 56" sweep make (Royal/ Pak decura deluxe/ younus/GFC/Asia) i/c Fan Dimmer complete in all respects and as approved by the Engineer Incharge.	99.00	No's	4062.00	Each	402138.00
6	NS	Supply & installation of ceiling fan 48" sweep make (Royal/ Pak decura deluxe/ younus/GFC/Asia) i/c Fan Dimmer complete in all respects and as approved by the Engineer Incharge.	20.00	No's	3882.00	Each	77640.00
7	NS	Providing & Fixing of Golden Electric Pump (mono block) for Water supply including connection & testing with MS Steel safety box for electric pump, complete in all respects and as approved by the Engineer Incharge.	1.00	Nos	110028.00	Each	110,028.00
	NS	a) 2.5 to 3 H.P GoldenPump	2.00	Nos	103668.00	Each	207,336.00
8	NS	Manufacturing and erection of galvanized angle iron lattice steel structure pole of size 34'-8" long using higrion and 1"x1"x1/8" and flat iron 2"x1/8"bracing, tensile steel angle 1.3/4"x1.3/4"x3/16" with MS angle weighing 200±3%kg , complete in all respect as directed and approved by the Engineer incharge	1.00	No.	40343.60	Each	40,343.60
9	NS	Supply & Installation Stay wire set including all accessories required at site complete in all respect as approved by the engineer in charge.	1.00	No.	3943.20	Each	3,943.20
10	NS	Supply, installation, commissioning and testing of the earthing system including cost of the following 3/4" 3 meter long copper rod as earth electrode up-to water level including cost of boring and lowering complete with clamp and 1x70 mm <sup>2</sup> stranded copper conductor from copper rod to ground surface in 1-1/2" uPVC pipe class D with watering cap manhole with cover as per detail complete in all respects and as approved by the engineer Incharge.	1.00	No.	58300.00	Each	58,300.00
11	NS	Providing & Fixing Exhust Fan 12" sweep Plastic body with Louver and shutter Delux (Double Action ) series as per approved manufacturers i.e Pak/GFC/YOUNUS/ROYAL Complete in all respects as directed & approved by the Engineer Incharge.	15.00	No.	2345.00	Each	35,175.00
12	NS	Supply Installation & Connection of LED Tube light (16w 240~Day Light) including any required accessories at site. Complete in all respects and as approved by the Engineer In charge. (Philips/Equivalent)	55.00	No.	1997.00	Each	109,835.00
13	NS	Supply Installation & Connection of LED Search light (70w 240~Day Light) including pvc wire connector16A any required accessories at site. Complete in all respects and as approved by the Engineer In charge. (Philips/Equivalent)	10.00	No.	10850.00	Each	108,500.00
						<b>Total</b>	<b>2,340,650.00</b>
<b>Plumbing Work (Schedule Items)</b>							
1	19/34-ii	Providing & Fixing P-Trap 4" Glazed.	65.00	No	134.80	Each	8,762.00
2	19/3-ii	Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).	22.00	No	1407.65	Each	30,968.30
3	19/11-ii	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured	22.00	No	1411.50	Each	31,053.00

No	Ref	Description	Quantity		Rate	Unit	Amount
4	19/1-ii	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	4.00	Nos	2322.30	Each	9,289.20
5	19/2-i	Providing and fixing, double seat and cover only. Backelite	4.00	Nos	334.20	Each	1,336.80
6	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge	27.00	Nos	1557.45	Each	42,051.15
7	19/6-ii	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. ii. coloured, with pedestal	5.00	Nos	2670.20	Each	13,351.00
8	19/26-ii	Providing and Fixing Crommium plated bib cock 1/2" dia with plastic head as approved by the Engineer Incharge.	41.00	Nos	332.75	Each	13,642.75
9	19/23-i	Providing and fixing chromium plated pillar-cock, heavy:- i) (3/4")	3.00	No.	542.75	Each	1,628.25
10	19/27	Providing and fixing chromium plated tee stop cock '15mm (1/2").	77.00	No.	452.75	Each	34,861.75
11	19/22-i	Providing and fitting: i) plastic soap dish	2.00	No.	159.75	Each	319.50
	19/22-ii	ii) plastic toilet paper holder	22.00	No.	224.85	Each	4,946.70
	19/22-iii	iii) plastic towel rail	10.00	No.	248.85	Each	2,488.50
	19/22-iv	iv) plastic shelf (24"x5") with bracket and railing.	2.00	No.	430.45	Each	860.90
12	23/22-g	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium Quality 2.5" i/d (65 mm)	65.00	Rft	314.60	P/Rft	20,449.00
						<b>Total</b>	<b>216,009.00</b>
1	NS	<b><u>Plumbing Work (Non Schedule Items)</u></b> Providing, laying, fixing and testing uPVC plain ends socketed pipes Soil Waste, vent & rain water as per approved make & quality including uPVC (Unplasticsized Polyvinyl chloride) 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 (Dadex, Beta or Equalent).	1961.22	Rft	257.95	P/ Rft	505,896.70
2	NS	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 (For internal wiring of bathrooms)	592.82	Rft	75.00	P/ Rft	44,461.50
	NS	ii) 3/4" i/d (32 mm o/d)	1495.22	Rft	103.00	P/ Rft	154,007.66
3	NS	Providing & Fixing counter basin coloured best quality including waste pipe and waste coupling etc as approved by the engineer in charge.	20.00	Nos	4200.78	Each	84,015.60
4	NS	Providing & Fixing Muslim shower with double bib cock with one meter flexible pipe complete unit in function and as directed by the engineer in charge. (Master or Equalent)	6.00	Nos	1392.00	Each	8,352.00
5	NS	Providing & Fixing wall shower set complete in all respects as approved by the Engineer Incharge. (Dilawar Glaxy or Equalent)	26.00	Nos	5339.00	Each	138,814.00



No	Ref	Description	Quantity	Rate	Unit	Amount	
6	NS	Providing & Fixing super Tuff Imported quality Water Tank 1000 Gallon capacity placing on the top of roof of Girls hostel Building including Treatment with Jumbolan arrangement for Heat & Cold proofing & in working condition complete in all respects and as approved by the Engineer Incharge.	4.00	Nos	102770.00	Each	411,080.00
7	NS	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline (Beta/Dadex/Minhas) 63mm o/d for hot & cold (Polypropylene random copolymer) water supplyline, complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adaptors to conect polydex pipes to other pipes, Complete in all respects, as approved by the engineer incharge.	1165.00	Rft	266.20	P/ Rft	310,120.44
8	NS	Providing, laying, cutting, jointing, testing and disinfecting Polyethylene 90mm Dadex/BBJ/Beta pipe (PE-100, PN-10) for main service connection complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adaptors to connect the Polyethylene pipes to other pipe etc. as required at site and in all respects as approved by the Engineer-in-charge.	1005.00	Rft	533.30	P/ Rft	535,963.08
9	NS	P/F Looking glass imported quality complete in all respect and as approved by the Engineer Incharge.	142.00	Sft	248.47	P/ Sft	35,282.74
10	NS	Providing & fixing floor trap Jali plastic coloured complete in all respect as approved by the engineer in charge.	38.00	No	179.00	Each	6,802.00
11	NS	Providing & fixing floor trap Jali Stainles steel complete in all respect as approved by the engineer in charge.	40.00	No	193.98	Each	7,759.20
12	NS	Providing & Fixing steel bowl complete including waste Coupline etc. complete in all respect as approved by the engineer in charge.	5.00	No	4274.98	Each	21,374.90
13	NS	Providing & Fixing Stop valve PPRC 50mm complete in all respects as approved by the Engineer Incharge.	6.00	No	7669.10	Each	46,014.60
	NS	a.63 mm o/d	2.00	No	2581.10	Each	5,162.20
	NS	b.32 mm o/d					
14	NS	Providing & Fixing Electric water cooler (MECO/CORONA/CANNON Company) best quality with capacity of 40 to 45 Gallon including waste pipe & Coupline etc required at site complete in all respect as approved by the engineer in charge.	4.00	No	54515.00	Each	218,060.00
15	NS	Providing & Fixing Water geyser 14 SWG GI sheet of tank ,22 SWG MS sheet external cover 4" thick high desity glass wool 35 gallon capacity(Ambassador/Firex/Singer water heater SG 35 DLX company) i/c pipe & Coupline etc required at site complete in all respect as approved by the engineer in charge.	4.00	No	15350.00	Each	61,400.00
						<b>Total</b>	<b>2,594,567.00</b>

83,428,657.00

No	Ref	Description	Quantity	Rate	Unit	Amount
<b>MRS January to June, 2017 RYK</b>						
No.	Ref	Description	Quantity	Rate	Unit	Amount
<b>Civil Work</b>						
<b>Schedule Items (Ground Floor)</b>						
1	3/21-b	Excavation in foundation of building, bridges and other structures including dag-belling, dressing, refilling around structure with the excavated earth. b) In ordinary Soil	6,073.00 Cft	5995.45	%o Cft	36,410.37
2	26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40	11,108.50 Sft	218.60	% Sft	24,283.18
3	6/3-b	Cement Concrete brick or stone ballast 1.5" to 2" Gauge in foundations & plinth. Ratio 1:4:8 (Using Sulphate Resistant Cement).	534.00 Cft	12160.00	% Cft	64,934.40
4	7/4-(i)	Pacca Brick Work in foundation and plinth in Cement Sand Mortar --- Ratio (1:6) (Using Sulphate Resistant Cement).	1,584.72 Cft	16205.85	% Cft	256,817.35
5	6/6a-ii,2b	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- Ratio (1:1.5:3) (Using Sulphate Resistant Cement)	3,139.28	270.80	Per Cft	850,117.24
6	6/6(ai)2c	Providing & laying reinforced C. Concrete using coarse sand and screened graded washed aggregate in required shape & design i/c frames, moulds, shuttering, lifting, compacting, curing, rendering & finishing exposed surface Complete but excluding the cast 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.	4,897.70 Cft	361.90	Per Cft	1,772,476.36
	6/6(ai)3c	i) Ground Floor Ratio 1:1.5:3 ii) Ground Floor Ratio 1:2:4	92.53 Cft	332.70	Per Cft	30,785.15
7		Subsequent carriage of crushed stone aggregate total distance from sakhi sarwar to Sunny pull Rahim Yar Khan at site of work average 340 KM				
	1/1	i) Bajri for Ratio: 1:1.5:3	8,036.97 Cft	43.60	Per Cft	350,411.89
	1/1	ii) Bajri for Ratio: 1:2:4	92.53 Cft	45.68	Per Cft	4,226.77
	1/1	iii) Bajri for Ratio: 1:4:8	1,436.16 Cft	49.83	Per Cft	71,563.85
8	6/9-b 6/9-c	Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars. Deformed Bars ( Grade-40 ) Deformed Bars ( Grade-60 )	334.96 Kg 24,609.22 Kg	10036.40 10491.10	% Kg % Kg	33,618.24 2,581,778.35
9	7/5-i	Pacca B/Work in Cement Sand Mortar, (1:5) Ground floor	4,147.49 Cft	17752.70	% Cft	736,291.90
10	7/21-ii	First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart.	1,688.76 Sft	7800.30	% Sft	131,728.35
11	7/9	Extra labour for arch work in brick masonry, including labour for centering and decentering.	250.00 Cft	1247.15	% Cft	3,117.88
12	11/9b 11/9c	Cement Plaster 1:4 upto 20' height i) 1/2" thick ii) 3/4" thick	9,062.52 Sft 9,062.52 Sft	1715.45 2307.60	% Sft % Sft	155,463.00 209,126.71
13	3/15-i	Filling, watering & ramming earth under floors i) with surplus earth from foundation etc -	2,024.33 Cft	2870.75	%o Cft	5,811.35
14	3/15,ii+ 3/17,a	Filling, watering & ramming earth under floors with new earth excavated from outside l/c transportation of earth up to 1/4 mile lead or beyond. (5553+2719.6) = 8272.60	23,480.00 Cft	8272.60	%o Cft	194,240.65
15	7/30	Supplying & Filling Sand under Floors or Plugging in wells 4" thick	3,383.16 Cft	1676.70	% Cft	56,725.44
16	6/2	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge. 4" thick	1,683.00 Cft	3516.50	% Cft	59,182.70
17	6/5-i	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): i) Ratio 1:4:8	1,436.16 Cft	16022.40	% Cft	230,107.30
18	11/22	Priming coat of chalk under distemper.	4,604.00 Sft	128.65	% Sft	5,923.05

No	Ref	Description	Quantity	Rate	Unit	Amount	
19		Distempering on new surface 3 coats.					
20	11/23-iii	Preparing surface and painting with emulsion paint:-New Surface. 3-Coats 433.20+336.25+336.25) = 1105.70	4,604.00 Sft	382.70	% Sft	17,619.51	
21	13/31.	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	18,125.04 Sft	1105.70	% Sft	200,408.57	
22	13/32-A	(1364.15+691.75+691.75) = 2747.65 Painting new surface with 3-coats after preparing surface and painting of doors and windows any type (including edges) (713.45+392.9+392.9) = 1499.25	7,101.00 Sft	2747.65	% Sft	195,110.63	
23	13/5-c	Bitumen coating to plastered or cement concrete surface:-	1,974.34 Sft	1499.25	% Sft	29,600.34	
24	13/9-iii	iii) 10 lbs. per 100 Sft. (4.54 Kg per Sq.m))	5,561.61 Sft	496.75	% Sft	27,627.30	
	10/42-a	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. 'Size 1½" x 3/8" (40 x 10 mm)	4,280.00 Rft	6.60	Per Rft	28,248.00	
25	10/15-e	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels: 2"(40 mm) thick	2,840.00 Sft	4668.85	% Sft	132,595.34	
26	11/10-b	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. b) 1:3	5,838.17 Sft	1944.00	% Sft	113,494.02	
27	12/50	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 lapping 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.	554.25 Sft	358.05	Per Sft	198,449.21	
28	12/14-a	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	749.75 Sft	137.65	Per Sft	103,203.09	
29	12/30-a	Making and fixing cleats for doors and windows, including hinges and screws.	5.00 No	129.85	Each	649.25	
30	25/31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" '(50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	34.00 Sft	812.05	Per Sft	27,609.70	
31	26/37ii	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc.500 gauge (.005" thick)	9,913.61 Sft	3.75	Per Sft	37,176.04	
32	12/18-iv	Providing and fixing sliding bolt to doors:- iv) Brass sliding bolt, 12" (300 mm) long	27.00 No	335.65	Each	9,062.55	
33	25/35	Providing and fixing terrace railing of 2" i/d conduit pipe 16 SWG, welded with 5/8"x5/8" square bar 2.75 ft. high fixed at 5" centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects.	72.00 Rft	559.50	Per Rft	40,284.00	
34	9/20 -a	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:- a) 4" dia (100 mm) cast iron down pipe.	104.00 Rft	213.10	Per Rft	22,162.40	
35	9/22	Shoes, bends or offsets for cast iron rain water down pipe, including fixing and painting.	65.00 No	317.95	Each	20,666.75	
36	6/12	Providing and fixing ornamental cement jail 2" (50 mm) thick (1: 2: 4), without steel.	1,110.00 Sft	55.30	P/Sft	61,383.00	
37	7/10	Extra for pacca brick work in steining of wells or any other circular masonry.	250.00 Cft	1412.65	% Cft	3,531.63	
						<b>TOTAL</b>	<b>9,134,023.00</b>
<b>Schedule Items (First Floor)</b>							

No	Ref	Description	Quantity	Rate	Unit	Amount
1		Providing & laying reinforced C. Concrete using coarse sand and screened graded washed aggregate in required shape & design i/c frames, moulds, shuttering, lifting, compacting, curing, rendering & finishing exposed surface Complete but excluding the cast 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. d) Add extra labour for R.C. concrete in 2nd and subsequent storey's.				
	6/6(ai)2+d	i) First Floor Ratio 1:1.5:3	6,120.08 Cft	383.20	Per Cft	2,345,212.74
	6/6(ai)3+d	ii) First Floor Ratio 1:2:4	66.00 Cft	354.00	Per Cft	23,364.00
2		Subsequent carriage of crushed stone aggregate total distance from sakhi sarwar to Sunny pull Rahim Yar Khan at site of work average 340 KM				
	1/1	i) Bajri for Ratio: 1:1.5:3	3,120.08 Cft	43.60	Per Cft	136,035.27
	1/1	ii) Bajri for Ratio: 1:2:4	66.00 Cft	45.68	Per Cft	3,014.88
3		Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bar Deformed Bars ( Grade-40 )	238.92 Kg	10036.40	%Kg	23,978.97
	6/9-b 6/9-c	Deformed Bars ( Grade-60 )	10,577.05 Kg	10491.10	%Kg	1,109,649.34
4		Pacca B/Work in Cement Sand Mortar, Add extra labour for brickwork Ratio (1:5)				
	7/5-i+7/6-i	First Floor (17752.7+728.65) = 18481.35	3,163.65 Cft	18481.35	%Cft	584,685.23
5		First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- i) 4½" (113 mm)" thick walling with hoop iron, bonding 12" (300 mm) apart.Add extra labour for brickwork				
	7/21-ii+7/6-i	(7800.3+728.65) = 8528.95	1,026.00 Sft	8528.95	%Sft	87,507.03
6	7/9	Extra labour for arch work in brick masonry, including labour for centering and decent ring.	250.00 Cft	1247.15	%Cft	3,117.88
7		Cement Plaster 1:4 upto 20' height 1/2" thick Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof.				
	11/9-b+11/28	i) 1/2" thick	7,219.50 Sft	1934.55	%Sft	139,664.84
	11/9c+11/28	ii) 3/4" thick	7,219.50 Sft	2526.70	%Sft	182,415.11
8		Bitumen coating to plastered or cement concrete surface				
	13/9-iii	iii) 10 lbs. per 100 Sft. (4.54 Kg per Sq.m)	416.00 Sft	496.75	%Sft	2,066.48
9	7/30	Supplying & Filling Sand under Floors or Plugging in wells 4" thick	96.00 Cft	1676.70	%Cft	1,609.63
10	6/2	Dry rammed brick or stone ballast, 1½" to 2"( 40 mm to 50 mm) gauge. 4" thick	1,615.68 Cft	3516.50	%Cft	56,815.39
11		Priming coat of chalk under distemper. Extra labour for white washing, colour washing, priming coat and distemping, etc. from 20' (6.00 m) height and above, requiring scaffolding, for every additional 10' (3.00m) height or part thereof. (128.65+18.5) = 147.15				
	11/22+11/38		5,568.00 Sft	147.15	%Sft	8,193.31
12		Distemping on new surface 3 coats. Extra labour for white washing, colour washing, priming coat and distemping, etc. from 20' (6.00 m) height and above, requiring scaffolding, for every additional 10' (3.00m) height or part thereof. (382.7+(18.50x3) = 438.20				
	11/23-iii+11/38		5,568.00 Sft	438.20	%Sft	24,398.98
13		Preparing surface and painting with emulsion paint:-New Surface. 3-Coats Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height, or part thereof, requiring scaffolding.				
	13/31 a+b + 13/39	433.2+336.25+336.25+(90.90*3)	27,999.40 Sft	1378.40	%Sft	385,943.73

No	Ref	Description	Quantity	Rate	Unit	Amount	
14	13/32-A+13/39	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: Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height, or part thereof, requiring scaffolding. 3 coats (1364.15+691.75+691.75)+(90.9*3)	5,440.00	Sft	3020.35	%Sft	164,307.04
15	13/5-C+13/39	Painting new surface with 3-coats after preparing surface and painting of doors and windows any type (including edges) Extra labour for painting, varnishing, etc. from 20' (6.10 m) height and above, for every additional 10' (3.05 m) height, or part thereof, requiring scaffolding. (713.45+392.9+392.9)+(90.9*3)	371.25	Sft	1771.95	%Sft	6,578.36
16	11/10-b+11/28	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. b) 1:3 Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof (1944.00+219.10) = 2163.10	7,180.00	Sft	2163.10	%Sft	155,310.58
17	12/50	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 lapping 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.	179.50	Sft	358.05	Per Sft	64,269.98
18	12/14-a	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	179.50	Sft	137.65	Per Sft	24,708.18
19	12/30-a	Making and fixing cleats for doors and windows, including hinges and screws.	20.00	No	129.85	Each	2,597.00
20	26/37-ii	Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc.500 gauge (.005" thick)	448.00	Sft	3.75	Per Sft	1,680.00
21	12/18-iv	Providing and fixing sliding bolt to doors:-iv) Brass sliding bolt, 12" (300 mm) long	14.00	No	335.65	Each	4,699.10
22	25/35	Providing and fixing terrace railing of 2" i/d conduit pipe 16 SWG, welded with 5/8"x5/8" square bar 2.75 ft. high fixed at 5" centre to centre, in reinforced cement concrete slab with suitable arrangement, complete in all respects.	72.00	Rft	559.50	Per Rft	40,284.00
23	9/20-a	Cast iron rain water downpipe fixed in position, excluding heads and shoes, but including painting and clamps, etc:-4" dia (100 mm) cast iron down pipe.	104.00	Rft	213.10	Per Rft	22,162.40
24	9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	8.00	No	515.65	Each	4,125.20
25	7/10	Extra for pacca brick work in staining of wells or any other circular masonry.	200.00	Cft	1412.65	%Cft	2,825.30
26	9/5+26/37ii	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof 'slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded also includes a layer of polythene sheet etc. ii) 500 gauge (.005" thick) ( 5739.00+375 )	4,896.00	Sft	6114.00	%Sft	299,341.44
27	9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	8.00	Rft	455.30	Per Rft	3,642.40
28	25/10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.	300.00	Kg	11344.35	%Kg	34,033.05

No	Ref	Description	Quantity	Rate	Unit	Amount
29	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/c cutting and placing in position complete in all respect. b) 1-1/2" thick	4,896.00	Sft	8179.60	% Sft 400,473.22
					<b>TOTAL</b>	<b>6,348,710.00</b>
					<b>Grand TOTAL</b>	<b>15,482,733.00</b>
1	N.S	<b>Civil Work (Non Schedule)</b> Providing and fixing windows consisting of M.S. box section frame 3"x1 1/4", leaves frame 1-1/4"x1" box section frame for glazing 1/2"x1/2" using 18 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 18 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.	4,304.50	Sft	561.00	P/Sft 2,414,824.50

2	N.S	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 in charge.	4,304.50	Sft	257.00	P/Sft 1,106,256.50
3	N.S	Providing & Fixing kitchen cabinet consisting of lamination board 3/4" thick for leaves,MS Box frame size 3" x 3/4" Gola for leaf size 3/4" x 3/4" , including sprit polish for gola and to other wood work of the cabinet, with all requisite hard ware fittings as per drawing, & pattern complete in all respects as approved by the Engineer In-Charge.	625.00	Sft	460.00	P/Sft 287,500.00
	N.S	a) For Kitchen cabinet down portion	50.00	Sft	430.00	P/Sft 21,500.00
4	N.S	Construction of Dome of fiber glass sheet comprising on coloured fiber glass 4mm thick sheet for upper portion and off-white fiber glass sheet 4mm thickness for lower portion, where as whole dome shall have the supports of 1 1/4" & 1 1/2" square MS pipes of 16 gauge laid in curvature as of dome, including hoisting & placing on the already prepared base of octagon shape, with MS square pipe of suitable section as base of dome & with steel plate 3mm thick for connecting rawal bolts etc & painting etc, complete as per approved drawing of dome for academic block and in all as approved by the Engineer in Charge.	571.50	Sft	1865.60	P/Sft 1,066,190.40

5	N.S	Providing & Laying flooring of dark coloured Granite tiles of size 16"x16" DWV Series (Dark Rectified polish) Class SB (Master or Equielent) including floating coat of cement and pigment over a bed of 3/4" thick cement mortar 1:2 and filling of joints with matching colors & pattern, complete in all respects as directed and approved by the Engineer-in-Charge.	8,748.00	Sft	230.97	P/Sft 2,020,525.56
6	N.S	Providing & Laying Dado/Skirting of dark coloured Granite tiles of size 16"x8" DWV Series (Dark Rectified polished) Class SB (Master or Equielent) including floating coat of cement / chemical bond and pigment also filling of joints with matching colors & pattern, complete in all respects as directed and approved by the Engineer-in-Charge.	610.00	Sft	139.21	P/Sft 84,918.10
7	N.S	Providing & laying 3/4" thick marble slab on steps (Boticena/ Fancy) of approved quality size 1'x2'x3/4" including (rounding of corner) and 1:2 cement (Using Sulphate Resistant 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 In charge.	625.00	Sft	280.95	P/Sft 175,596.87
8	N.S	Providing & laying 1/4" thick coloured mat tile 12"x12" size for floor of Master, Shabeer i/c laid in white cement & pigment and on a bed of cement (Using Sulphate Resistant Cement) concrete 1" thick 1:2:4 & 3/4" thick cement sand mortar 1:2 complete in all respects as approved by the engineer in charge.	449.00	Sft	148.34	P/Sft 66,603.36

No	Ref	Description	Quantity	Rate	Unit	Amount	
9	NS	Providing & laying 1/4" thick coloured glazed tile 12"x18", 10"x13" size for floor & tile 12"x18", 10"x13" size for floor & dado / skirting of Master, Shabeer i/c laid in white cement & pigment and on a bed of 3/4" thick cement (Using Sulphate Resistant Cement) sand mortar 1:2 complete in all respects as approved by the engineer in charge.	1,116.00	Sft	135.61	P/Sft	151,339.31
10	N.S	Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, 3-coat painting complete in all respects including aluminum hanger rod etc. as approved by the Engineer In charge.	96.00	Sft	292.71	P/Sft	28,099.71
11	N.S	Providing/Using Sulphate Resistant Cement instead of Ordinary portland Cement. Where mentioned in MRS Items. (Difference in cost of OPC & SRC)	12,000.00	Bag	48.00	P/Bag	576,000.00
12	N.S	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges kik plate, door handle with locking arrangement complete in all respects as approved by engineer incharge	84.96	Sft	951.88	P/Sft	80,871.72
13	N.S	Providing & laying in position Pre-cast concrete grey tuff tiles of Izhar / Envicrete Tuff Tile Pvt. Ltd. or equivalent approved brand 7000 PSI, 60 mm thick sand grouted laid over 4" thick sand filling 4" thick PCC 1:6:12 stone of brick ballast and 2" thick sand cushion, as design & pattern and approved by the engineer incharge.	2,215.00	Sft	163.20	P/Sft	361,488.00

14	N.S	Providing & laying in position Pre-cast concrete coloured tuff tiles of Izhar / Envicrete Tuff Tile Pvt. Ltd. or equivalent approved brand 7000 PSI, 60 mm thick sand grouted laid over 4" thick sand filling 4" thick PCC 1:6:12 stone of brick ballast and 2" thick sand cushion, as design & pattern and approved by the engineer incharge.	800.00	Sft	157.92	P/Sft	126,336.00
15	N.S	Providing,Laying,Placing & Finishing two coats of wall putty (ICI,Burger,Brighto,Master) on finished plastered surfaces complete in all respects as directed & approved by the engineer incharge	64,730.00	Sft	623.23	% Sft	403,416.78
16	N.S	Providing & Fixing Stainless steel railing vertical pipe 2½" dia 4' center to center, horizontal pipe 2½" dia on top railing and 3 No's horizontal pipes brassing 1" dia, fixed to the base with rawal bolts, vertical post to be covered with stainless steel plate complete in all respects & as approved by the Engineer Incharge.	200.00	Rft	1200.00	Per Rft	240,000.00
						<b>Total</b>	<b>9,211,467.00</b>

		<b>Electric Work Schedule Items</b>					
1		Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting harries, and repairing surface, wtc., complete with all specials.					
	24/3						
	ii)	3/4" i/d 20 mm	745.00	Rft	37.65	Per Rft	28,049.25
	iii)	1" i/d 25 mm	550.00	Rft	44.55	Per Rft	24,502.50
	v)	1.5" i/d 40 mm	237.00	Rft	62.75	Per Rft	14,871.75

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 an capping / G. I. wire / trenches (rate for cables only):-					
	24/10						
	(a)	a) 250 / 440 Volts, PVC insulated:-					
	ii)	3/0.91 mm (3/0.036")	3500.00	Rft	11.75	Per Rft	41,125.00
	iii)	7/0.74 mm (7/0.029")	4500.00	Rft	15.60	Per Rft	70,200.00
	iv)	7/0.91 mm (7/0.036")	650.00	Rft	22.55	Per Rft	14,657.50
	v)	7/1.12 mm (7/0.044")	345.00	Rft	31.80	Per Rft	10,971.00
3	24/30	Supply and erection of ceiling rose, Bakelite.	10.00	Each	36.75	Each	367.50
4	24/29	Supply and erection of bell push or bed switch, with 5 meters twin flexible wire 23/0.0076".	2.00	Each	212.55	Each	425.10



No	Ref	Description	Quantity	Rate	Unit	Amount	
5	24/28	Supply and erection of call bell 220/250 volts, fixed on teak wood board 17.5x10 cm (7"x4").	2.00	Each	235.80	Each	471.60
6	24/49	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	65.00	Each	37.90	Each	2,463.50
7	24/14-i	Supply and erection of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") Bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc.					
	i)	10 x 10 cm (4"x4")	25.00	Each	150.45	Each	3,761.25
	ii)	17.5 x 10 cm (7"x4")	15.00	Each	198.60	Each	2,979.00
	iii)	22.5 x 10 cm (9"x4")	15.00	Each	254.25	Each	3,813.75
	iv)	20 x 25 cm (8"x10")	5.00	Each	364.90	Each	1,824.50
	v)	25 x 30 cm (10"x12")	4.00	Each	480.15	Each	1,920.60
8	24/31-ii	Supply and erection of switches 5 Amp. Piano type	97.00	Each	33.60	Each	3,259.20
						<b>Total</b>	<b>225,663.00</b>

1	NS	<p><b>Non-Schedule Items</b></p> <p><b>Distribution Board</b></p> <p>Supply, installation, connection of wires cables, and commissioning of distribution boards concealed type or to be installed on wall, made of 16 SWG M.S. sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolts, washers, earthing of DB door with braided copper internal wiring, PVC cable glands for incoming and out going wires / cables, 2 earthing terminals designation label engraved on plastic sheet of appropriate size to be pated on the front side of DB, 3 Phase indication lamps of colour red, yellow, blue, make hager, Lagrand (France) SV122 SV128 SV126 moulded case circuit breaker with overload and short circuit protection (MCCB) to be installed on the incoming side, lcu not less than 10 KA, and for miniature circuit breakers lcu 6 KA make M.G., Legrand (France), ABB (Italy) Terasaki (Japan), G.E, having overload and short circuit protection, including cost of all necessary fixing accessories complete in all respects.</p> <p><b>a) DB-G1, G3,</b></p> <p><b>Incoming</b></p> <p>1-60 Amps TP MCCB</p> <p><b>Outgoing</b></p> <p>24-10/15 Amps SP MCBs lcu not less than 6 KA.</p> <p>3-Provision of space for future MCBs</p>	1.00	No.	54,424.00	Each	54,424.00
1.1	NS	<p><b>d) DB-CF1,</b></p> <p><b>incoming</b></p> <p>1-30 Amps TP MCCB</p> <p><b>Outgoing</b></p> <p>9-10/15 Amps SP MCBs lcu not less than 6 KA.</p> <p>3-Provision of space for future MCBs</p>	6.00	No	37,784.00	Each	226,704.00

1.2	NS	<p><b>a) SMSB-2</b></p> <p><b>Incoming</b></p> <p>1-630 A TP MCCB</p> <p>3-Phase indication lamps of colour Red, Yellow, and Blue or green on incoming</p> <p>1-Digital voltmeter scales 0-500 V with phase selector switch</p> <p>3-600/5 Amps CTs. Make Revalco Italy accuracy class 0.5.</p> <p><b>Outgoing</b></p> <p>1-Digital Ampere meter 0-500 Amps.</p> <p>4-60 Amps TP MCCB.</p> <p>2-30 Amps TP MCCB.</p> <p>2-40 Amps TP MCCB.</p> <p>2-60 Amps TP MCCB. (Provision Only).</p>	1.00	No	370,000.00	Each	370,000.00
1.3	NS	Providing & Fixing main power panel board for air conditioner comprising of 1 No bus bar 100 Amp. T.P MCCB, NF 125EV Mitsubishi , 4 No 60 Amps P MCCB NF 63 HE 9 NO. 20/25 Amp. Single phase MCCB 3 Phase indication lamps red, yellow, green or blue and cost of wiring thimble complete in all respects as approved by the engineer incharge	1.00	No	128,494.00	Each	128,494.00
Part-2	NS	Supply and Installation of plastic body 12" dia exhaust fan complete with louvered make Royal / Younus /Asia / Pak Fan / Breeze all complete as per specifications and drawings.	4.00	NO	2,345.00	Each	9,380.00
						<b>Part-1</b>	<b>779,622.00</b>



No	Ref	Description	Quantity	Rate	Unit	Amount	
2.2	NS	Supply & Installation of ceiling fan 56" sweep make Royal / Pak Fan Younus/ Asia i/c fan dimmer complete in all respect as approved by the Engineer Incharge.	50.00	NO	4,062.00	Each	203,100.00
2.3	NS	Providing & Fixing Fan hook popular or equilant quality with PVC fan hook cover sheet 8" dia	65.00	NO	312.00	Each	20,280.00

2.4	NS	Supply & Installation of ceiling fan 48" sweep make PAK/YOUNUS/GFC Climax / Asia complete in all respect.	15.00	NO	3,882.00	Each	58,230.00
2.5	NS	Supply & fixing energy saver blub 23 watt	80.00	NO	324.00	Each	25,920.00
2.6	NS	Supply and erection of powers plug 20 Amp Bosh/ Hero company for Air conditioners best quality as approved by the engineer incharge	20.00	NO	352.00	Each	7,040.00
2.7	NS	Supply & Installation Led Flud Light 100 watt approved quality including Casing, bracket, hanging arrangement complete in all respects as approved by the engineer Incharge.	2.00	No	14,304.90	Each	28,609.80
Part-2						<b>Part-2</b>	<b>352,559.80</b>
3		<b>Earthing System</b>					
3.1	NS	Supply, Installation, commissioning and testing of the earthing system including cost of the following 3/4" 3 meter long copper rod as earth electrode up-to water level including cost of boring and lowering complete with clamp and 1 x 70mm <sup>2</sup> stranded copper conductor from copper rod to ground surface in 1-1/2" u PVC pipe class D with watering cap manhole with cover as per detail complete in all respects.	1.00	Nos.	55,000.00	Each	55,000.00
3.2	NS	<b>Earth Connecting Points (ECP).</b> Supply, installation, of earth connecting points consisting of copper plate 12" long, 2" wide and 1/2" thick to be installed as and where shown on drawings on the wall of trenches, complete with fixing arrangement, brass nuts bolts complete in all respects to facilitate connections of incoming copper strips and Outgoing CPC.	1.00	Nos.	4,500.00	Each	4,500.00
Part-3						<b>Part-3</b>	<b>59,500.00</b>
						<b>Total</b>	<b>1,191,682.00</b>

		<b>Plumbing Work</b>					
		<b>Schedule Items</b>					
1		Providing, laying, cutting, jointing, testing and disinfecting G.I. Pipeline entrenches with socket joints using G.I. Pipes of B.S.S. 1387- 1967 complete in all respects with specials and valves. Pipe ii) Medium Quality: (For Sui Gas) a) G.I. Pipe 1/2" dia c) G.I. Pipe 1" dia	150.00 Rft 115.00 Rft		68.00 Per Rft 124.05 Per Rft		10,200.00 14,265.75
2	19/3-ii	Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).	5.00	No.	1407.65	Each	7,038.25
3	19/12-ii	Providing and fitting plastic made low down flushing Cistern (3 gallons capacity) including bracket set copper connection, etc complete coloured, as approved by the engineer in charge.	5.00	No.	1171.50	Each	5,857.50
4	19/22	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.	5.00 5.00 5.00 5.00	No. No. No. No.	159.75 224.85 248.85 430.45	Each Each Each Each	798.75 1,124.25 1,244.25 2,152.25
5	19/26-ii	Providing and fixing chromium plated bib cock 1/2" dia with plastic head, as approved by the engineer in charge.	10.00	No.	332.75	Each	3,327.50
6	19/27	Providing and fixing chromium plated tee stop cock heavy 1/2" with plastic head, as approved by the engineer in charge.	5.00	No.	452.75	Each	2,263.75
7	19/23-ii	Providing and fixing chromium plated pillar cock heavy 3/4".	10.00	No.	542.75	Each	5,427.50
8	19/43 a 19/43 b	Providing & fixing brass gas cock as approved by the Engineer In charge a) 1/2" dia b) 3/4" dia	5.00 10.00	No No	94.20 106.20	Each Each	471.00 1,062.00
9	19/34-ii	Providing & Fixing P-Trap 4" Glazed.	40.00	No	134.80	Each	5,392.00

10	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge.	5.00	No	1557.45	Each	7,787.25
11	19/39-ii	Supply and fitting of cast iron manhole cover etc. complete. ii) 45 cm (18") dia	20.00	No	868.15	Each	17,363.00
12	19/6-ii	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	10.00	No	2670.20	Each	26,702.00

No	Ref	Description	Quantity	Rate	Unit	Amount
13	19/10	Providing and fixing glazed earthen ware flat back urinal.	5.00 No	903.50	Each	4,517.50
					<b>TOTAL</b>	<b>116,995.00</b>
		<b>Non-Schedule Items</b>				
1		Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline (Dadex/Beta) for hot & cold (Polypropylene random copolymer) water supplyline, 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 (For internal wiring of bath rooms)				
	N.S	i) 1/2" i/d (25 mm o/d)	250.00 Rft	75.00	Per Rft	18,750.00
	N.S	ii) 3/4" i/d (32 mm o/d)	200.00 Rft	103.00	Per Rft	20,600.00
2		Providing, laying, fixing and testing uPVC plain ends socketed pipes Soil Waste, vent & rain water as per approved make & quality including uPVC (Unplasticized Polyvinyl chloride) 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 (Dadex, Beta or Equalent.				
	N.S	i) 3" dia pipe	135.00 Rft	185.00	Per Rft	24,975.00
		ii) 4" dia Pipe	250.00 Rft	257.95	Per Rft	64,487.12

3		Providing, laying, cutting, jointing, testing and disinfecting Polyethylene pipe 2" dia for main service connection complete in all respects, i/c specials such as coupler, reducing socket, elbow, end caps, male/female, threaded, fittings, like tease, adaptors to connect the Polyethylene pipes to other pipe etc. as required at site.				
	N.S		150.00 Rft	248.79	Per Rft	37,317.91
4	N.S	Providing & fixing floor trap Jali plastic	6.00 No	179.00	Each	1,074.00
5		Providing & Fixing Muslim shower with double bib cock with one meter flexible pipe complete unit in function and as directed by the engineer in charge. (Master or Equalent)				
	N.S		5.00 No	1392.00	Each	6,960.00
6		Providing & Fixing wall shower set complete in all respects as approved by the Engineer Incharge. (Dilawar Glaxy or Equalent)				
	N.S		5.00 No	5339.00	Each	26,695.00
7		Providing & Fixing Looking Glass imported quality, complete in all respects and as approved by the Engineer Incharge.				
	N.S		148.00 Sft	248.47	P/Sft	36,773.07
					<b>TOTAL</b>	<b>237,632.00</b>

26,466,172.00

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**The Islamia University of Bahawalpur**  
**Construction of Boys Hostel Sub Campus at Rahim Yar Khan**  
**Engineer's Cost Estimate**

MRS January to June, 2017 RYK

No.	Ref	Description	Quantity	Rate	Unit	Amount
		<b>Civil Work</b>				
1		Excavation in foundation of building, bridges and other 'structures including dag-belling, dressing, refilling 'around structure with excavated earth, watering and 'ramming lift upto 5 Ft. - Ordinary Soil				
	3/21-b		59622.68 Cft	5995.45	% oCft	357,464.80
2		Spraying anti-termite liquid mixed with water 'in the ratio of 1:40 as approved by the 'Engineer Incharge.				
	26/42		65939.76 Sft	218.60	% Sft	144,144.32
3		Supplying and laying polythene sheet over D.P.C. under 'floors and on roofs, etc.				
	26/37-ii	ii) 500 gauge (.005" thick)	69476.72 Sft	3.75	P/ Sft	260,537.70
4		Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8				
	6/5-i		8998.36 Cft	16022.40	%Cft	1,441,753.23
5		Fabrication of M.S. Reinforcement for cement concrete including bending, laying in position, making joints and fastening i/c cast of binding wire and labour charges for bending of steel reinforcement also includes removal of rust from bars -				
	6/9-c	Deformed Bars ( 60-Grade )	141562.20 Kg	10491.10	%Kg	14,851,431.96
	6/9-b	Deformed Bars ( 40-Grade )	27993.26 Kg	10036.40	%Kg	2,809,515.55

No	Ref	Description	Quantity	Rate	Unit	Amount
6		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.):-				

	6/6 a-(ii)	(a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3) used harrow sand & Sulphate Resistant Cement.	13839.84	270.80	P/Cft	3,747,828.67	
7		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.):-					
	6/6 a-(i)	(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:- i) (nominal mix 1: 1½: 3) used harrow sand.	27953.60	Cft	361.90	P/Cft	10,116,407.84
8		Subsequent carriage of crushed stone aggregate total distance from sakhi sarwar to Sunny pull Rahim Yar Khan at site of work average 340 KM					
	1/1	i) Bajri for Ratio: 1:1.5:3	41,793.00	Cft	43.60	Per Cft	1,822,174.80
	1/1	ii) Bajri for Ratio: 1:2:4	1,765.27	Cft	45.68	Per Cft	80,637.53
	1/1	iii) Bajri for Ratio: 1:4:8	8,998.36	Cft	49.83	Per Cft	448,388.28

9	13/9-iii	Bitumen coating to plastered or cement concrete surface:- iii) 10 lbs. per 100 Sft. (4.54 Kg per Sq.m)	22562.27	Sft	496.75	% Sft	112,078.08
10	7/4-i	Pacca Brick Work in foundation and plinth in Cement Sand Mortar --- Ratio (1:6) (Using Sulphate Resistant Cement).	22178.83		16205.85	%Cft	3,594,267.92
11	3/15-ii + 3/17-a	Filling, watering and ramming earth under floors:- with new earth excavated from outside, lead upto one chain (30 m). upto ¼ mile (400 m). for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (5553.00+2719.60)	272431.91	Cft	8272.60	%oCft	2,253,720.22
12	3/15-i	Filling, watering & ramming earth under floors with surplus earth from foundation etc -	32390.38	Cft	2870.75	%oCft	92,984.68
13	6/33 a(ii)	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating:- (a) with one coat bitumen and one coat polythene sheet 500 gauge. "ii) 2" thick (50 mm)	3519.11	Sft	4805.25	% Sft	169,102.03
14	6/32-a	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints: a) 1" (25 mm) thick thermopore sheet.	1852.00	Sft	11.15	P/Sft	20,649.80
15	12/14-a	Providing and fixing mild steel chowkat of doors, windows, C.window, etc. including holdfast, making and threading holes for hinges, etc. complete:- a) M.S. angle iron 1½"x 1½"x ¼" (40x40x6 mm) welded with M.S. flat 2"x ¼" (50 mm x 6 mm)	4289.40	Sft	137.65	P/Sft	590,435.91

No	Ref	Description	Quantity	Rate	Unit	Amount	
16		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, 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) Type C (nominal mix 1 : 2 : 4) used harrow sand.					
	6/6-a-i		1765.27	Cft	332.70	P/Cft	587,305.33
17		Pacca B/Work in Cement Sand Mortar, (1:5) Ground floor					
	7/5-i		29295.92	Cft	17752.70	%Cft	5,200,816.79
18		First class brick walling laid in 1:3 cement sand mortar, reinforced with 1" (25 mm) wide 18 gauge hoop iron:- ii) 4½" (113 mm) thick walling with hoop iron, bonding 12" (300 mm) apart.					
	7/21-ii		9168.51	Sft	7800.30	% Sft	715,171.29
19		Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height. Ratio 1:3					
	11/10-b		41793.20	Sft	1944.00	% Sft	812,459.81
20		Cement plaster 1:4 upto 20' (6.00 m) height:- b) ½" (13 mm) thick					
	11/9-b		112084.18	Sft	1715.45	% Sft	1,922,748.07
21		Providing and laying vertical damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge: ii) Ratio 1:3 "b) ¾" thick (20 mm)					
	6/35-a(ii)b		1104.14	Sft	3019.70	% Sft	33,341.72
22		Supplying and filling sand under floor; or plugging in wells.					
	7/30		10164.77	Cft	1676.70	%Cft	170,432.70
23		Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50 mm) gauge.					
	6/2		11846.28	Cft	3516.50	%Cft	416,574.44
24		Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.mbitumen coating sand blinded also include a layer of polythene sheet etc. ii) 500 gauge (.005" thick)					
	9/5 + 26/37		26,620.85	Sft	6114.00	% Sft	1,627,598.77
25		Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)					
	9/15		44.00	No	455.30	Each	20,033.20
26		Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete.					
	21/1-iii	i) i/d 9"	1,041.67		336.75	Per Rft	350,782.37
27		Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete.					
	21/3-i	i) 310 mm (12") i/d	168.00	Rft	404.65	Per Rft	67,981.20

No	Ref	Description	Quantity	Rate	Unit	Amount	
28	6.008 Input	Providing/Using Sulphate Resistant Cement instead of Ordinary Portland Cement. Where mentioned in MRS Items. (Difference in cost of OPC & SRC)	7607.17	Bag	48.00	P/Bag	365,144.16
29	7/9	Extra labour for arch work in brick masonry, including labour for centering and decent ring.	349.14	Cft	1247.15	% Cft	4,354.30
30	12/55	Providing and fixing G.I. wire gauze 22 SWG, 12x12 'meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti 1/2"x 1/8" (13 mmx3 mm) and machine made screws.	1446.80	Sft	63.85	P/ Sft	92,378.18
31	12/18-iv	Providing and fixing sliding bolt to doors:- iv)brass sliding bolt, 12" (300 mm) long	17.00	No	335.65	Each	5,706.05
32	12/50	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 lapping 1 1/2"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	1829.58	Sft	358.05	P/ Sft	655,081.12

33	10/42-a	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels. a) 'Size 1 1/2" x 3/8" (40 x 10 mm)	1614.00	Rft	6.60	Per Rft	10,652.40
34	10/15-e	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:- (e) 2" thick	6771.64	Sft	4668.85	% Sft	316,157.71
35	11/22	Priming coat of chalk under distemper.	29915.69	Sft	128.65	% Sft	38,486.54
36	11/23a(i ii)	Distemping:- a) new surface:- iii) three coats	29915.69	Sft	382.70	% Sft	114,487.35
37	13/31	Preparing surface and painting with emulsion paint:- New surface 3-coats (433.20+336.25+336.25)	93583.40	Sft	1105.70	% Sft	1,034,751.65
38	25/10	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, 'tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position.	2621.36	Kg	11344.35	%Kg	297,376.25
39	25/11	Erection and fitting in position iron trusses, staging of water tanks, etc.	1282.07	Kg	661.75	%Kg	8,484.10
40	9/2	Second class tile roofing consisting of 4" (100 mm) earth and 1" (25 mm) mud plaster with Gobri leeping over 1/2" (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.	772.78	Sft	8462.45	% Sft	65,396.12

41	12/18-iii	Providing and fixing sliding bolt to doors:-brass sliding bolt, 10" (300 mm) long	77.00	Nos	178.45	Each	13,740.65
42	13/32A	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 (1364.15+691.75+691.75)	33110.54	Sft	2747.65	% Sft	909,761.75
43	13/5-c	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 3-Coats (713.45+392.90+392.90)	3934.32	Sft	1499.25	% Sft	58,985.29

No	Ref	Description	Quantity	Rate	Unit	Amount	
44	10/39 a-ii	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: ii) ½"(13 mm) thick	639.00	Sft	10052.45	% Sft	64,235.16
45	3/42-i	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	1007.73	Cft	5014.40	%0 Cft	5,053.16
46	6/3-b	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (b) Ratio 1: 4:8	477.72	Cft	12160.00	% Cft	58,090.75

47	7/4-i	Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:3 for manholes	904.52	Cft	17822.70	% Cft	161,209.89
48	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (f) Ratio 1: 2: 4	269.13	Cft	20774.40	% Cft	55,910.14
49	11/8-b	Cement plaster 1:3 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	2164.76	Sft	1808.50	% Sft	39,149.68
50	12/44-a	Glazing with panes (16 oz. to 18 oz.,) including cost of putty.	478.09	Sft	62.80	P/Sft	30,024.05
51	21/15	Providing and fixing 3" (75 mm) thick R.C.C. manhole cover, 22" (550 mm) dia, with tee shaped C.I. frame of 20" (500 mm) clear i/d (frame weighing 37.324 Kg. or one maund) as per Standard Drawing STD/PD No. 5, of 1977, complete in all respects.	9.00	No.	5681.30	Per Set	51,131.70
52	13/5-c	Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- 2-Coats (713.45+392.90)	16324.00	Sft	1106.35	% Sft	180,600.57
53	25/34	Providing and fixing stair railing of 2½" (63 mm) i/d G.I. pipe, welded with 5/8"x5/8" (16x16 mm) square M.S. bars 2'-9" (838 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats.	183.32	Rft	528.90	P/Rft	96,957.95

54	25/35	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 2.75 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.	41.43	Rft	559.50	P/Rft	23,180.09
55	12/21	Providing & Fixing approved quality mortice lock.	19.00	No's	525.20	Each	9,978.80
56	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/c cutting and placing in position complete in all respect. b) 1-1/2" thick	26,620.85	Sft	8179.60	% Sft	2,177,479.05

No	Ref	Description	Quantity	Rate	Unit	Amount	
57		Providing and fixing 6 in(150 mm). wide curved sheet of required shape fixed on face of the construction joint with G.I. screw,1.5 in (40 mm) long to cover construction joints vertically ii) G.I. sheet, 18 SWG	1450.00	Rft	78.70	P/Rft	114,115.00
	6/24-ii						
						<b>Total</b>	<b>61,896,829.00</b>

1		<b>Civil Work (Non-Schedule)</b> Providing and fixing windows consisting of M.S. box section frame 3"x1½", 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.	2520.62	Sft	561.00	P/Sft	1,414,067.82
2	NS						
3		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 in charge.	3543.95	Sft	257.00	P/Sft	910,795.15
4	NS						
5		Providing & Laying flooring of dark coloured Granite tiles of size 16"x16" DWV Series (Dark Rectified polish) Class SB (Master or Equielent) including floating coat of cement and pigment over a bed of 3/4" thick cement mortar 1:2 and filling of joints with matching colors & pattern, complete in all respects as directed and approved by the Engineer-in-Charge.	23316.59	Sft	230.97	P/Sft	5,385,432.79
6	NS						
7		Providing & Laying Dado/Skirting of dark coloured Granite tiles of size 16"x8" DWV Series (Dark Rectified polished) Class SB (Master or Equielent) including floating coat of cement / chemical bond and pigment also filling of joints with matching colors & pattern, complete in all respects as directed and approved by the Engineer-in-Charge.	3376.31	Sft	139.21	P/Sft	470,015.44
8	NS						

5		Providing and fixing 3/4" thick laminated Board shutter with 3/4" x 3/4" deodar wood beading wardrobe frame 3"x1.5" M.S Box pipe 18 SWG including tower bolts on top & bottom lock 808, hinges, 3-coat painting complete in all respects including aluminum hanger rod etc. as approved by the Engineer In charge.	7849.80	Sft	292.71	P/Sft	2,297,714.96
6	NS						
7		Providing & laying 1/4" thick colored mat tile 12"x12" size for floor of Master, Shabeer i/c laid in white cement & pigment and on a bed of cement concrete 1" thick 1:2:4 & 3/4" thick cement (Using Sulphate Resistant Cement) sand mortar 1:2 complete in all respects as approved by the engineer incharge.	2894.41	Sft	148.34	P/Sft	429,356.78
8	NS						
9		Providing & laying 1/4" thick coloured glazed tile 12"x18", 10"x13" size for dado/skirting of Master, Shabeer laid in white cement & pigment including 3/4" thick cement sand mortar 1:2 (Using Sulphate Resistant Cement) complete in all respects as approved by the engineer incharge.	7059.13	Sft	135.61	P/Sft	957,288.62
10	NS						

No	Ref	Description	Quantity	Rate	Unit	Amount	
8	NS	Providing & Fixing uPVC door 1.25" thick wooden colour i/c hinges kik plate, door handle with locking arrangement complete in all respects as approved by engineer incharge	734.76	Sft	951.88	P/Sft	699,403.35

9	NS	Providing & laying 3/4" thick marble slab Boticina/Lasbela of approved quality size 1'x2'x3/4" including (rounding of corner) and 1:2 cement (Sulphate Resistant Cement) sand mortar for laying of marble tiles 3/4" thick i/c chemical polishing, rubbing & grinding complete as per drawing, design & pattern as approved by the Engineer-in-Charge.	1361.11	Sft	280.95	P/Sft	382,403.85
10	NS	Providing & Fixing Cabnet consisting of lamination board 3/4" thick for leaves, kail wood frame 2.50" x 1", Gola for 'leaf 3/4" x 3/4" including siprit polish for gola complete in all respects as per design, drawing & patern as approved by the 'engineer incharge.					
	NS	a) For Kitchen cabinet down portion	80.82		460.00	P/Sft	37,177.20
	NS	b) For Kitchen cabinet Upper portion	62.90	Sft	430.00	P/Sft	27,047.00
11	NS	Providing and fixing 1 1/2" (40mm) thick deodar wood panelled and glazed in special design door, best quality, with Tower bolt 3' Length, Tower bolt 12" Length in Bottom, Handle 12" (150mm) special, Sliding Bolt brass 18" Special Quality italian design and vax polishing etc ,complete in all respects as design, drawing and as approved by the Engineer Incharge.	68.51	Sft	1617.03	P/Sft	110,782.73
12	NS	Providing, Laying placing & Finishing of two coats of wall putty (ICI,Buerger,Brighto,Master) on finished plaster surface complete in all respects as directed & approved by the engineer incharge.	93583.40	Sft	623.23	% Sft	583,239.82

	N.S	Construction of Dome of fiber glass sheet comprising on coloured fiber glass 4mm thick sheet for upper portion and off-white fiber glass sheet 4mm thickness for lower portion, where as whole dome shall have the supports of 1 1/4" & 1 1/2" square MS pipes of 16 gauge laid in curvature as of dome, including hoisting & placing on the already prepared base of octagon shape, with MS square pipe of suitable section as base of dome & with steel plate 3mm thick for connecting rawal bolts etc & painting etc, complete as per approved drawing of dome for academic block and in all as approved by the Engineer in Charge.	571.50	Sft	1865.60	P/Sft	1,066,190.40
	N.S	Providing & laying in position Pre-cast concrete grey tuff tiles of Izhar / Envicrete Tuff Tile Pvt. Ltd. or equivalent approved brand 7000 PSI, 60 mm thick sand grouted laid over 4" thick sand filling 4" thick PCC 1:6:12 stone of brick ballast and 2" thick sand cushion, as design & pattern and approved by the engineer incharge.	2,825.00	Sft	163.20	P/Sft	461,040.00
	N.S	Providing & laying in position Pre-cast concrete coloured tuff tiles of Izhar / Envicrete Tuff Tile Pvt. Ltd. or equivalent approved brand 7000 PSI, 60 mm thick sand grouted laid over 4" thick sand filling 4" thick PCC 1:6:12 stone of brick ballast and 2" thick sand cushion, as design & pattern and approved by the engineer incharge.	1,250.00	Sft	157.92	P/Sft	197,400.00



No	Ref	Description	Quantity	Rate	Unit	Amount
	N.S	Providing & Fixing Stainless steel railing vertical pipe 2½" dia 4' center to center, horizontal pipe 2½" dia on top railing and 3 No's horizontal pipes brassing 1" dia, fixed to the base with rawal bolts, vertical post to be covered with stainless steel plate complete in all respects & as approved by the Engineer Incharge.	385.00	Rft	1200.00	Per Rft 462,000.00
						<b>Total</b> <b>13,704,726.00</b>

1		<b>Electrical Work (Schedule Items)</b> Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
(i)	24/3-ii	¾" (20 mm) i/d	5078.95	Rft	37.65	P/ Rft 191,222.47
(ii)	24/3-iii	1" (25 mm) i/d	11060.06	Rft	44.55	P/ Rft 492,725.67
(iii)	24/3-vi	2" (50 mm) i/d	80.00	Rft	75.90	P/ Rft 6,072.00
2	24/49	Supply and erection of ¾" (10 mm) dia <b>Plastic Coated</b> M.S. bar fan hook, placed at the time of casting of slab.	99.00	No	37.90	Each 3,752.10
3		Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe / M.S. conduit / G.I. pipe / wooden strip batten / wooden casing an capping / G. I. wire / trenches (rate for cables only):- 250 / 440 Volts, PVC insulated:-				
	24/10a-i	3/0.74 mm (3/0.029")	9794.50		11.30	P/ Rft 110,677.85
	24/10a-ii	3/0.91 mm (3/0.036")	31910.00		11.75	P/ Rft 374,942.50
	24/10a-iii	7/0.74 mm (7/0.029")	16967.00		15.60	P/ Rft 264,685.20
	24/10a-iv	7/0.91 mm (7/0.036")	1340.00		22.55	P/ Rft 30,217.00
	24/10a-v	7/1.12 mm (7/0.044")	1975.00		31.80	P/ Rft 62,805.00
	24/10a-vi	7/1.63 mm (7/0.064")	7272.00	Rft	75.15	P/ Rft 546,490.80
4	24/13 d- viii	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):-PVC insulated, PVC sheathed 4-core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG. 37/2.62 mm (37/0.103")	150.00	Rft	3701.05	P/ Rft 555,157.50

	NS	Providing & Fixing Fan hook popular or equilant quality with PVC fan hook cover sheet 8" dia	119.00	NO	312.00	Each 37,128.00
						<b>Total</b> <b>2,675,876.00</b>

1	(i)	<b>Electrical Work (Non Schedule Items)</b> L.T. Switch gear LT Panel Supply, installation and commissioning of LT-Panel made of sheet steel 14 SWG, totally enclosed, indoor in free standing design including all auxiliaries, internal wiring from MCCBS terminating on cable terminals blocks installed at the top of LT-PANEL, designation labels of all incoming and outgoing feeders as shown on the drawings, earthing bar, neutral bar, suitable for system voltage 415 V, 50 Hz, 3 Phase, neutral and earthing bus bars made of 99.8% electrolytic copper of under mentioned capacities. Body of MPB shall be degreased and de-rusted having one coat of antirust paint with further 2 Coats of powder paint of approved colour and shall be equipped as mentioned below, including cost of all necessary materials complete in all respects and in accordance with the latest BS codes and conforming to single line diagram. rated current of Main & Neutral Bus Bar rated at 50 degree centigrade.  All Breakers to be installed shall be of one make only and not moisture of two manufacturers.				
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No	Ref	Description	Quantity	Rate	Unit	Amount
		Make MG. (Made in France), Mitsubishi and Terasaki (Made in Japan / Spain) ABB, Legrand, GE / AEG (Made in Italy). Rated current of ACB & MCCB 50 degree centigrade Icu not less than 20 KA for incoming, outgoing Breakers and for busbar installed in the panel.				

		Front & Rear open able doors. shop drawings shall be submitted by the manufacture for Approval to consultant before starting Fabrication of all Main Panel Board, Sub Main Panel Board Motor control center and Light, pore distribution boards. Icu=lcs for all incoming, outgoing Breakers.					
	(ii)	Incoming					
	(iii)	1-400amp, TP, MCCB,					
		3-Phase indication lamps of colour Red, yellow, and Blue or green ion incoming 1-Digital Voltmeter scales 0-500 V with phase selector switch.					
		3-400/5 Amps CTs. Make Revalco Italy accuracy class 0.5.					
		1-Digital voltmeter 0-500 volts with phase selector switch.					
	NS	1-Digital Ampr meters 0-400 Amps.	1.00	No	345670.00	Each	345,670.00
2		<b>Distribution Board</b> Supply, installation, connection of wires cables, and commissioningof distribution boards concealed type or tobe installed on wall, made of 16 SWG M.S. sheet with hinged door, handle, catcher, earthing bar and neutral link with necessary holes, nuts, bolts, washers, earthing of DB door with braided copper internal wiring, PVC cable glands for incoming and out going wires / cables, 2 earthing terminals designation label engraved on plastic sheet of appropriate size to be pated on the front side of DB, 3 Phase indicaion lamps of colour red, yellow, blue, make hager, Lagrand (France) SV122 SV128 SV126 moulded case circuit breaker with overload and short circuit protection (MCCB) to be installed on the incoming side, Icu not less than 10 KA, and for miniature circuit breakers Icu 6 KA make M.G., Legrand (Frnace), ABB (Italy) Terasaki (Japan), G.E, having overload andshort circuit protection, including cost of all necessary fixing accessories complete in all respects.					

		a) DB-G1, G3, Incoming 1-40 Amps TP MCCB Outgoing 24-10/15 Amps SP MCBs Icu not less than 6 KA.					
	NS	3-Provision of space for future MCBs	6.00	No	37100.00	Each	222,600.00
		ii) DB-GL2,FL2,SL2, <b>incoming</b> 1-40 Amps TP MCCB <b>Outgoing</b> 21-10/15 Amps SP MCBs Icu not less than 6 KA.					
	NS	3-Provision of space for future MCBs	3.00	No	46375.00	Each	139,125.00
3		Providing and fixing Energy saver 23 watt ( Philips / Orient ) complete in all respects i/c fixing at site as approved & directed by the Engineer Incharge					
	NS		403.00	No's	324.00	Each	130,572.00
4		Providing & Fixing of kit type switches & Sockets fixed on plastic sheet & plastic board (Make Lear China) complete in all respects and as approved by the Engineer Incharge.					
	(i) NS	<b>6 Switch &amp; 2-socket</b>	57.00		1526.61	Each	87,016.88
	(ii) NS	<b>5 Switch &amp; Socket</b>	9.00		1263.31	Each	11,369.77
	(iii) NS	<b>4 Gang Switch</b>	8.00		797.25	Each	6,377.98
	(iv) NS	<b>4 Switch &amp; 2-socket</b>	6.00		1276.92	Each	7,661.51
	(v) NS	<b>7 Switch &amp; socket</b>	8.00		1476.24	Each	11,809.93
	vi NS	<b>8 Gang Switch</b>	4.00		1412.13	Each	5,648.53
	vii NS	<b>8 Switch &amp; Socket</b>	3.00		1644.53	Each	4,933.58
	viii NS	<b>9 Switch &amp; Socket</b>	7.00		1934.16	Each	13,539.13
	ix NS	<b>3 Switch &amp; Socket</b>	4.00		868.22	Each	3,472.90
	x NS	<b>Light Plug</b>	55.00		920.89	Each	50,648.71
	xi NS	<b>Power Plug</b>	148.00	No's	993.01	Each	146,965.18

No	Ref	Description	Quantity		Rate	Unit	Amount
5	NS	Supply & installation of ceiling fan 56" sweep make (Royal/ Pak decura deluxe/ younus/GFC/Asia) i/c Fan Dimmer complete in all respects and as approved by the Engineer Incharge.	99.00	No's	4062.00	Each	402138.00
6	NS	Supply & installation of ceiling fan 48" sweep make (Royal/ Pak decura deluxe/ younus/GFC/Asia) i/c Fan Dimmer complete in all respects and as approved by the Engineer Incharge.	20.00	No's	3882.00	Each	77640.00
7	NS	Providing & Fixing of Golden Electric Pump (mono block) for Water supply including connection & testing with MS Steel safety box for electric pump, complete in all respects and as approved by the Engineer Incharge.	1.00	Nos	110028.00	Each	110,028.00
	NS	a) 2.5 to 3 H.P GoldenPump	2.00	Nos	103668.00	Each	207,336.00
8	NS	Manufacturing and erection of galvanized angle iron lattice steel structure pole of size 34'-8" long using higrion and 1"x1"x1/8" and flat iron 2"x1/8"bracing, tensile steel angle 1.3/4"x1.3/4"x3/16" with MS angle weighing 200±3%kg , complete in all respect as directed and approved by the Engineer incharge	1.00	No.	40343.60	Each	40,343.60
9	NS	Supply & Installation Stay wire set including all accessories required at site complete in all respect as approved by the engineer in charge.	1.00	No.	3943.20	Each	3,943.20
10	NS	Supply, installation, commissioning and testing of the earthing system including cost of the following 3/4" 3 meter long copper rod as earth electrode up-to water level including cost of boring and lowering complete with clamp and 1x70 mm <sup>2</sup> stranded copper conductor from copper rod to ground surface in 1-1/2" uPVC pipe class D with watering cap manhole with cover as per detail complete in all respects and as approved by the engineer Incharge.	1.00	No.	58300.00	Each	58,300.00
11	NS	Providing & Fixing Exhust Fan 12" sweep Plastic body with Louver and shutter Delux (Double Action ) series as per approved manufacturers i.e Pak/GFC/YOUNUS/ROYAL Complete in all respects as directed & approved by the Engineer Incharge.	15.00	No.	2345.00	Each	35,175.00
12	NS	Supply Installation & Connection of LED Tube light (16w 240~Day Light) including any required accessories at site. Complete in all respects and as approved by the Engineer In charge. (Philips/Equivalent)	55.00	No.	1997.00	Each	109,835.00
13	NS	Supply Installation & Connection of LED Search light (70w 240~Day Light) including pvc wire connector16A any required accessories at site. Complete in all respects and as approved by the Engineer In charge. (Philips/Equivalent)	10.00	No.	10850.00	Each	108,500.00
						<b>Total</b>	<b>2,340,650.00</b>
<b>Plumbing Work (Schedule Items)</b>							
1	19/34-ii	Providing & Fixing P-Trap 4" Glazed.	65.00	No	134.80	Each	8,762.00
2	19/3-ii	Providing and fitting glazed earthen ware water closet squatter type (Orissa pattern) combined with foot rest. (Coloured).	22.00	No	1407.65	Each	30,968.30
3	19/11-ii	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. ii) coloured	22.00	No	1411.50	Each	31,053.00

No	Ref	Description	Quantity		Rate	Unit	Amount
4	19/1-ii	Providing and fitting glazed earthen ware water closet European type, excluding seat and cover:- coloured	4.00	Nos	2322.30	Each	9,289.20
5	19/2-i	Providing and fixing, double seat and cover only. Backelite	4.00	Nos	334.20	Each	1,336.80
6	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower, as approved by the engineer in charge	27.00	Nos	1557.45	Each	42,051.15
7	19/6-ii	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. ii. coloured, with pedestal	5.00	Nos	2670.20	Each	13,351.00
8	19/26-ii	Providing and Fixing Crommium plated bib cock 1/2" dia with plastic head as approved by the Engineer Incharge.	41.00	Nos	332.75	Each	13,642.75
9	19/23-i	Providing and fixing chromium plated pillar-cock, heavy:- i) (3/4")	3.00	No.	542.75	Each	1,628.25
10	19/27	Providing and fixing chromium plated tee stop cock '15mm (1/2").	77.00	No.	452.75	Each	34,861.75
11	19/22-i	Providing and fitting: i) plastic soap dish	2.00	No.	159.75	Each	319.50
	19/22-ii	ii) plastic toilet paper holder	22.00	No.	224.85	Each	4,946.70
	19/22-iii	iii) plastic towel rail	10.00	No.	248.85	Each	2,488.50
	19/22-iv	iv) plastic shelf (24"x5") with bracket and railing.	2.00	No.	430.45	Each	860.90
12	23/22-g	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I. pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves. Medium Quality 2.5" i/d (65 mm)	65.00	Rft	314.60	P/Rft	20,449.00
						<b>Total</b>	<b>216,009.00</b>
1	NS	<b><u>Plumbing Work (Non Schedule Items)</u></b> Providing, laying, fixing and testing uPVC plain ends socketed pipes Soil Waste, vent & rain water as per approved make & quality including uPVC (Unplasticsized Polyvinyl chloride) 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 (Dadex, Beta or Equalent).	1961.22	Rft	257.95	P/ Rft	505,896.70
2	NS	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 (For internal wiring of bathrooms)	592.82	Rft	75.00	P/ Rft	44,461.50
	NS	ii) 3/4" i/d (32 mm o/d)	1495.22	Rft	103.00	P/ Rft	154,007.66
3	NS	Providing & Fixing counter basin coloured best quality including waste pipe and waste coupling etc as approved by the engineer in charge.	20.00	Nos	4200.78	Each	84,015.60
4	NS	Providing & Fixing Muslim shower with double bib cock with one meter flexible pipe complete unit in function and as directed by the engineer in charge. (Master or Equalent)	6.00	Nos	1392.00	Each	8,352.00
5	NS	Providing & Fixing wall shower set complete in all respects as approved by the Engineer Incharge. (Dilawar Glaxy or Equalent)	26.00	Nos	5339.00	Each	138,814.00

No	Ref	Description	Quantity	Rate	Unit	Amount
6	NS	Providing & Fixing super Tuff Imported quality Water Tank 1000 Gallon capacity placing on the top of roof of Girls hostel Building including Treatment with Jumbolan arrangement for Heat & Cold proofing & in working condition complete in all respects and as approved by the Engineer Incharge.	4.00 Nos	102770.00	Each	411,080.00
7	NS	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipeline (Beta/Dadex/Minhas) 63mm o/d for hot & cold (Polypropylene random copolymer) water supplyline, 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 pipes, Complete in all respects, as approved by the engineer incharge.	1165.00 Rft	266.20	P/ Rft	310,120.44
8	NS	Providing, laying, cutting, jointing, testing and disinfecting Polyethylene 90mm Dadex/BBJ/Beta pipe (PE-100, PN-10) for main service connection complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adaptors to connect the Polyethylene pipes to other pipe etc. as required at site and in all respects as approved by the Engineer-in-charge.	1005.00 Rft	533.30	P/ Rft	535,963.08
9	NS	P/F Looking glass imported quality complete in all respect and as approved by the Engineer Incharge.	142.00 Sft	248.47	P/ Sft	35,282.74
10	NS	Providing & fixing floor trap Jali plastic coloured complete in all respect as approved by the engineer in charge.	38.00 No	179.00	Each	6,802.00
11	NS	Providing & fixing floor trap Jali Stainles steel complete in all respect as approved by the engineer in charge.	40.00 No	193.98	Each	7,759.20
12	NS	Providing & Fixing steel bowl complete including waste Coupline etc. complete in all respect as approved by the engineer in charge.	5.00 No	4274.98	Each	21,374.90
13	NS	Providing & Fixing Stop valve PPRC 50mm complete in all respects as approved by the Engineer Incharge.	6.00 No	7669.10	Each	46,014.60
	NS	a.63 mm o/d	2.00 No	2581.10	Each	5,162.20
	NS	b.32 mm o/d				
14	NS	Providing & Fixing Electric water cooler (MECO/CORONA/CANNON Company) best quality with capacity of 40 to 45 Gallon including waste pipe & Coupline etc required at site complete in all respect as approved by the engineer in charge.	4.00 No	54515.00	Each	218,060.00
15	NS	Providing & Fixing Water geyser 14 SWG GI sheet of tank ,22 SWG MS sheet external cover 4" thick high desity glass wool 35 gallon capacity(Ambassador/Firex/Singer water heater SG 35 DLX company) i/c pipe & Coupline etc required at site complete in all respect as approved by the engineer in charge.	4.00 No	15350.00	Each	61,400.00
					<b>Total</b>	<b>2,594,567.00</b>

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### The Islamia University of Bahawalpur

#### Extension of External Electrical Distribution System of Baghdad-ul-Jadeed Campus

MRS: 1st Jan TO 30th June, 2017

No.	Ref	Description	Quantity	Unit Rate	Unit	Amount
A-1		Civil Work (Schedule)				
1	3/10	Earthwork excavation in irrigation channels, drains, etc. to designed section, grades and profiles, excavated material disposed off and dressed within 50 ft. (15 m) lead: ordinary.	12000.00	Cft	4667.30	%0 Cft 56,007.60

No	Ref	Description	Quantity	Rate	Unit	Amount
2	6/5-f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	1700.00	Cft	20902.20	%Cft 355,337.40
					<b>Total of</b>	<b>A-1 411,345.00</b>
<b>A-2</b>		<b>Electrical Work (Schedule)</b>				
1	24/57	Supply and erection of shackle insulator, medium size	340.00	No	205.75	Each 69,955.00
2	24/62	Supply and erection of all aluminum stranded hard drawn bare conductor, of size 7/3.099 mm (7/0.122")	50000.00	Rft	22.95	Per Rft 1,147,500.00
3	24/63	Supply and erection of street light pole bracket 30 mm (1 1/4") G.I. pipe 2 metre long, complete with 2 No. pole clamp	60.00	No	1017.30	Each 61,038.00
4	24/4 (III)	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:- 25 mm i/d	100.00	Rft	25.45	Per Rft 2,545.00
5	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) 7/0.74 mm (7/0.029") ii) 7/1.63 mm (7/0.064")	1350.00 250.00	Rft Rft	15.75 75.35	Per Rft 21,262.50 Per Rft 18,837.50
6	24/18-a(iii)	Supply and erection of iron/aluminum clad, 500 volts main switches with kitkat fuses, on angle iron board with 3 mm (1/8") thick M.S. sheet covering, including bonding to earth with necessary flexible pipe and thimbles, etc. double pole 60/65 Amp	5.00	No	2488.65	Each 12,443.25
					<b>Total of</b>	<b>A-2 1,333,581.00</b>
<b>B-1</b>		<b>Electrical Work (Non-Schedule)</b>				
1	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure HT pole of size 34'-8" long using high tensile steel angle 1 1/2"x1 1/2"x3/16" with MS angle iron and 1"x1"x1/4" and flat iron 2"x1/4" bracing, weighing 200±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	60.00	No	39600.00	Each 2,376,000.00
2	N.S	Manufacturing and erection of galvanized angle iron lattice steel structure LT pole of size 30'-8" long using high tensile steel angle 1 1/2"x1 1/2"x3/16" with MS angle iron and 1"x1"x1/4" and flat iron 2"x1/4" bracing, weighing 150±3%kg i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	10.00	No	30000.00	Each 300,000.00
3	N.S	Supply & installation of Creosoted Wooden cross arm on steel structure pole with galvanized steel bracing & bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	85.00	No	5040.00	Each 428,400.00
4	N.S	Supply & Installation of 11KV Disc Insulator i/c aluminum alloy Dead end clamp and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	64.00	No	1620.00	Each 103,680.00
5	N.S	Supply & Installation of 11KV Pin Insulator i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	235.00	No	1020.00	Each 239,700.00
6	N.S	Supply & erection of ACSR Dog (118.5 mm <sup>2</sup> ) Conductor (Aluminum Conductor Steel Reinforced) for overhead 11 KV Lines i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	25000.00	Rft	58.80	Per Rft 1,470,000.00
7	N.S	Supply & Installation of Stay wire set i/c all accessories such as 'U' clamp, Rod & concrete block etc and any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	15.00	No	4500.00	Each 67,500.00
8	N.S	Supply & Installation of Die-cast aluminum LED Street light (27W, 240V, IP66, IK08 certified) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Phillips BRP210/Street star or equivalent)	60.00	No	15900.00	Each 954,000.00
9	N.S	Supply & installation of 11-KV Dropout Fuse assemblies Set i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	2.00	No	20400.00	Each 40,800.00
10	N.S	Supply and installation of Double pole Plate Farm for 200KVA Transformer (Rs. Joist size 4"x8" with cross, welding, nut bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge	2.00	No	15600.00	Each 31,200.00
					<b>Total of</b>	<b>B-1 6,011,280.00</b>

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### The Islamia University of Bahawalpur

Construction of Water Course Connection & Nakkah for Agriculture College at B.J Campus

#### Civil Work

(1ST Jan, 2017 TO 30th Jun, 2017)

No.	Ref	Description	Quantity	Rate	Unit	Amount
1		Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.	633.00 Cft	6130.10	%o Cft	3880.35

No	Ref	Description	Quantity	Rate	Unit	Amount
2		Cement concrete brick or stone ballast 1½" to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (d) Ratio 1: 6: 12	109.00 Cft	10310.25	% Cft	11238.17
3		Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:3	345.00 Cft	17911.10	% Cft	61793.30
4		Cement plaster 1:4 upto 20' (6.00 m) height:- ½" (13 mm) thick	1012.00 Sft	1745.05	% Sft	17659.91
5		Providing and fixing water course Nakkah 24" dia fixing at site complete in all respect as approved by the engineer incharge	5.00 No	1701.88	Each	8509.40
			<b>TOTAL</b>	<b>=</b>		<b>103,081.00</b>

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**The Islamia University of Bahawalpur**

**Re-Surfacing of Roads from Hospital Chowk to Residence Category-F & behind Shopping Center, from Main Canteen to Faculty**

Civil work		MRS Jan-Jun, 2017					
No	Ref	Description	Quantity	Rate	Unit	Amount	
1		Providing surface treatment to roads, including supply of bitumen and bajri/crushed stone aggregate of approved quality, including cleaning of road surface, heating and spraying bitumen, spreading bajri and rolling with road roller (including its operation cost, fuel and hire charges, etc.) etc. complete i/c carriage of all materials to site of work. <b>1st coat:-</b> 40 lbs. bitumen, and 5.5 Cft. bajri of nominal size 1" (25 mm) per 100 sq. feet or 1.96 Kg bitumen and 0.16 cu.metre bajri per square metre. <b>2nd coat:-</b> 25 lbs. bitumen, and 2.75 Cft. bajri of nominal size ½" (13 mm) or 1.23 Kg bitumen and 0.076 cu. metre bajri per sq.metre. <b>3rd coat:-</b> 14 lbs. bitumen, and 1.5 Cft. bajri of nominal size ¼" (6 mm) per 0.69 Kg bitumen and 0.04 cubic metre per sq. metre.	29000.00	Sft	3,795.29	% Sft	1,100,634.10
2		Resurfacing of road, including supply of bitumen and bajri/crushed stone aggregate of approved quality, including cleaning of road surface, heating and spraying of bitumen, and spreading bajri/crushed stone aggregate and rolling with road roller (including its operation cost, fuel and hire charges, etc.) complete, including carriage of all materials to site of work. <b>Two coat work</b> 1st coat:- 22 lbs. bitumen, and 2.5 Cft. bajri of nominal size ½" (13 mm) %Sft. or 1.07 Kg bitumen and sand 0.069 cu.m per sq.m. 2nd coat:- 14 lbs. bitumen, and 1.5 Cft. bajri of nominal size ¼" (6 mm) per 0.69 Kg bitumen and 0.04 cubic metre per sq. metre.	182000.00	Sft	1,708.76	% Sft	3,109,943.20
					<b>Total</b>	<b>4,210,577.00</b>	