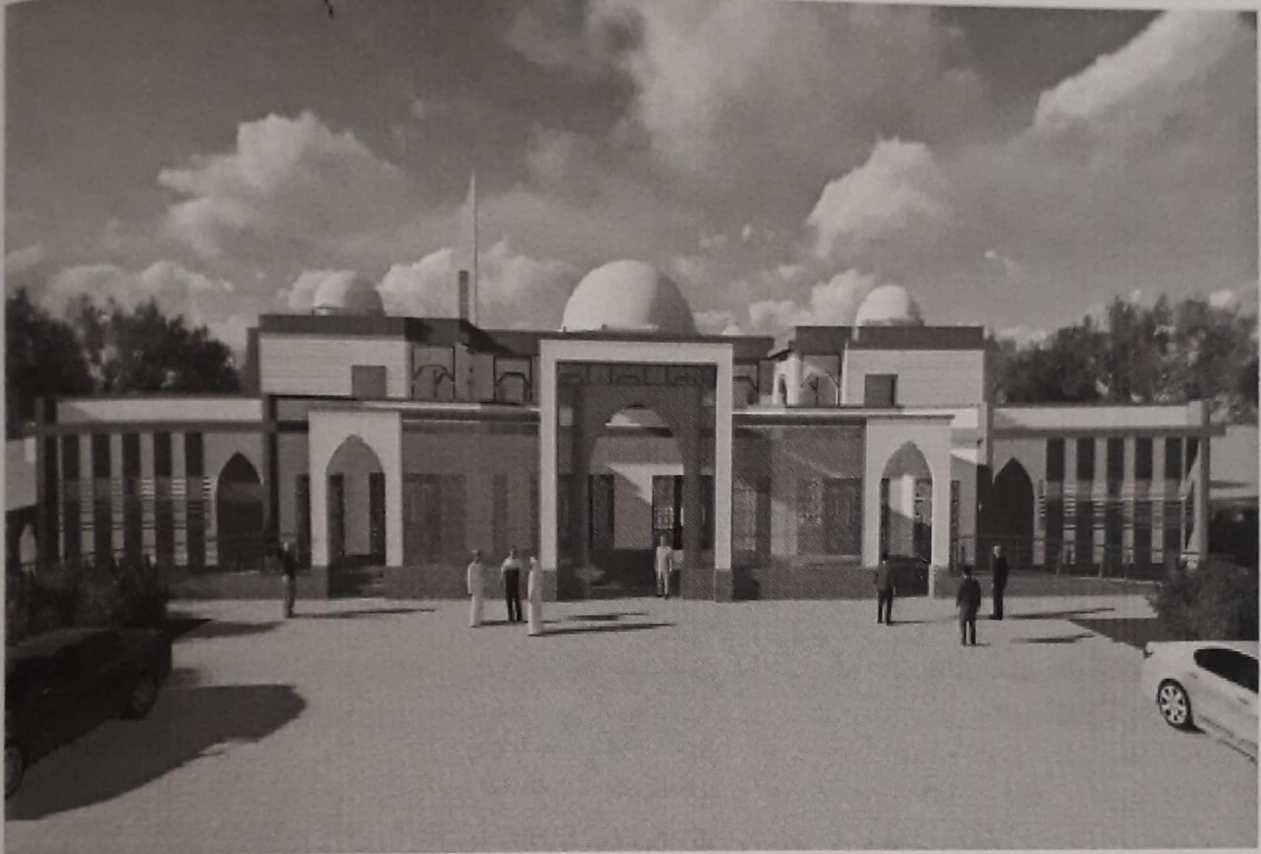




THE ISLAMIA UNIVERSITY OF BAHAWALPUR



CONSTRUCTION OF MOSQUE AT RAHIM YAR KHAN CAMPUS, THE ISLAMIA UNIVERSITY OF BAHAWALPUR

BILL OF QUANTITIES

MARCH 2020



New Vision Engineering Consultant

Office # B-6, 2nd Floor, Masood Arcade,
IJP Road, Islamabad.

Tel: (051) 4848374 Fax: (051) 4848375

Email: newvisionec@yahoo.com




**CONSTRUCTION OF MOSQUE AT RAHIM YAR KHAN CAMPUS, THE ISLAMIA
UNIVERSITY OF BAHAWALPUR**

BILL OF QUANTITIES

SUMMARY OF COST

Sr. No.	DESCRIPTION	AMOUNT
1.	CIVIL WORKS	
2.	PUBLIC HEALTH WORKS	
3.	ELECTRIC WORKS	
	TOTAL	
	GRAND TOTAL	


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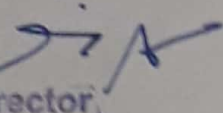


**CONSTRUCTION OF MOSQUE AT RAHIM YAR KHAN CAMPUS, THE ISLAMIA
BAHAWALPUR**

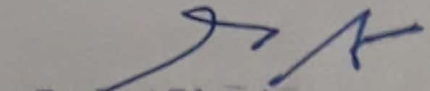
BILL OF QUANTITIES

CIVIL WORKS

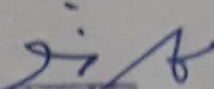
Sr. No.	Item No.	Description of Item	Unit	Qty
1	C-3/21(b)	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) in ordinary soil.	%OCft	39290.75
2	C-26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	%Sft	34230.19
3	C-6/5(i)	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) Ratio 1:4:8.	%Cft	2702.74
4	C-6/6 a-ii (3)	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned above not requiring form work (i.e. horizontal in shuttering) complete in all respects: Type C (nominal mix 1: 2: 4)	P.Cft	7865.15
5	C-6/6 a-i (3)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: Type C (nominal mix 1: 2: 4), Ground floor	P.Cft	7751.42
6	C-6/6 a-i (3)+d	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: Type C (nominal mix 1: 2: 4), add extra for First Floor.	P.Cft	5259.84
7	C-6/6 a-i (3)+c	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: Type C (nominal mix 1: 2: 4), erecting and fixing in position, precast cement concrete or stone slab in roofs or lintels, etc. lift upto 30 ft., (9m) including all charges.	P.Cft	116.19
8	C-6/6 a-i (2)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: Type B (nominal mix 1: 1.5: 3), Ground Floor	P.Cft	2534.43
9	C-6/6 a-i (2)+d	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: Type B (nominal mix 1: 1.5: 3), add extra for First Floor.	P.Cft	916.45
10		Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects: Type B (nominal mix 1: 1.5: 3), Minar		
	C-6/6 a-i (2)	Foundation to F.G.L & F.G.L to 20' Height	P.Cft	236.25
	C-6/6 a-i (2) + 13(a)	20' Height to 40' Height	P.Cft	210.00
	C-6/6 a-i (2) + 13(a+b)	40' Height to 50' Height	P.Cft	124.69
	C-6/6 a-i (2) + 13(a+b)	50' Height to 60' Height	P.Cft	104.99


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Sr. No.	Item No.	Description of Item	Unit	Qty
	C-6/6 a-i (2) + 13(a+b)	60' Height to Top Height	P.Cft	34.45
11	C-6/9(c)	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars): Deformed bars (Grade-60)	%Kg	94538.73
12	C-7/4(i)	Pacca brick work in foundation and plinth in Cement,sand mortar. Ratio 1:6	%Cft	6315.88
13	C-3/15(i)	Filling, watering, ramming earth under floors (with surplus earth foundation).	%0Cft	13096.92
14	C-3/15(ii)	Filling, watering and ramming earth under floors with new earth excavated from outside lead upto one chain (30 m).	%0Cft	25473.76
15	C-3/17	Transportation of earth all types when the total distance, this rate will be paid inaddition to the including the lead covered in the item of work, is more than rate of earthwork, without deducting 1000 ft. (300 m) (Lead will be paid as per actual but not more than 1.5km)		
	a	upto ¼ mile (400 m).	%0Cft	25473.76
	b	for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.6 Km.)	%0Cft	25473.76
16	C-7/5(i)	Pacca brick work in ground floor cement, sand mortar Ratio 1:5	%Cft	5792.96
17	C-7/5(i)	Pacca brick work in ground floor cement, sand mortar Ratio 1:4	%Cft	259.01
18	C-7/5(i)+ 7/6(i)	Pacca brick work in first floor cement, sand mortar Ratio 1:5	%Cft	3359.91
19	C-7/5(i)+ 7/6(i)	Pacca brick work in first floor cement, sand mortar Ratio 1:4	%Cft	283.17
20	C-11/11(b)	Cement plaster 1:5 upto 20' (6.00 m) height, ½" (13 mm) thick.	%Sft	18287.35
21	C-11/11(c)	Cement plaster 1:5 upto 20' (6.00 m) height, ¾" (20 mm) thick.	%Sft	5254.84
22	C-11/9(c)	Cement plaster 1:4 upto 20' (6.00 m) height, ¾" (20 mm) thick.	%Sft	21524.14
23	C-11/32(ii)	Providing grooved cement sand plaster 1:3 over existing plastered and roughened surface upto 20' (6.00 m) height. 1/2" (13 mm) thick	%Sft	1392.17
24	C-11/10(b)	Cement plaster 3/8" thick under soffit or R.C.C. roof slab only upto 20' heigh ratio 1:3.	%Sft	16008.26
25	C-13/31 (a+b)	Preparing surface and painting with emulsion paint:- 3 Coats.	%Sft	39550.45
26	C-13/32A (a) i-ii	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2 Coats.	%Sft	21524.14
27	C-7/30	Supplying and filling sand under floor; or plugging in wells.	%Cft	4258.27
28	C-6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50mm) gauge.	%Cft	4258.27
29	C-6/5(f)	Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate), Ratio 1: 2: 4	%Cft	2825.09
30	C-10/15(e)	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels: 2" (50 mm) thick.	%Sft	148.32
31	C-9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	8693.20


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Sr. No.	Item No.	Description of Item	Unit	Qty
32	C-9/45(b)	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls. Density 32-38Kg/M, compressive strength 250-400 kpa, R value 5 per inch thickness and water absorption (1% by volume, cell structure closed cell) i/c cutting and placing in position, complete in all respect. 1-1/2" thick	%Sft	8693.20
33	C-26/37(i)	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.	P Sft	8693.20
34	C-25/53(b)	Providing and fixing all types of glazed aluminum windows of anodized champagne color partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mmx30mm using frame at bottom, attopand side leaf leaf frame sections of 60mmx23mm at top & bottom and size 45mmx25mm at center and size 45mmx25mm at sides, Jali leaf frame size 43mmx13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc.in all respect. 2 mm thick.	P Sft	1896.75
35	C-12/54	Providing and fixing M.S. flat 1/2"x1/8" (13mm x 3mm) grill including 1/2" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	P Sft	1417.80
36	C-25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1 1/2" x 4") and leaf frame of 60x40mm (2 1/2"x1 1/2") wide sections including the cost of 1/4" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P Sft	206.00
37	C-12/15(a)	Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1 1/4" x 1/8" (150mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: single rebate	P Sft	638.60
38	C-13/7	French polishing complete: on new work.	%Sft	1277.20
39	C-9/15	Khuras on roof 2"x2"x6" (600 x 600 x 150 mm)	Each	9.00
40	C-6/33(a-ii)	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including one coat bitumen and one coat polythene sheet 500 gauge, 2" thick (50 mm).	%Sft	177.87
41	C-25/10+11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position.	%kg	1078.09
42	C-13/5 d(i+ii)	Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- Prime coat + 2 subsequent coats	%Sft	915.08
43	C-12/40 b(i)	Providing and fixing partition, including frame work: Sheets on both sides of frame work: Hard board (removeable partition)	%Sft	131.84
Total of MRS ITEMS				


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Sr. No.	Item No.	Description of Item	Unit	Qty
1	NSI	Providing and laying structural pad for foundation made of selected granular fill material (Mixture of 50% gravel and 50% sand of approved quality and grade) including placing, mixing, spreading and compaction of sub-base material to required depth, grade to achieve 95% maximum modified AASHTO dry density, including carriage of all material to site of work complete in all respect as approved by the Engineer incharge.	P.Cft	9459.42
2	NSI	Providing and laying matt Ceramic tiles texture light color for flooring size 9"x26"x3/8" laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the engineer in charge.(Master or Equivalent)	P.Sft	2266.45
3	NSI	Providing and laying matt Ceramic tiles texture light color for skirting / dado size 9"x26"x3/8" laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the engineer in charge. (Master or Equivalent)	P.Sft	3086.14
4	NSI	Providing and laying Granite tiles flooring 24"x24"x3/8" salt pepper light polished SB laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect.(SPM-110 Master or Equivalent).	P.Sft	12722.56
5	NSI	Providing and laying Granite tiles skirting dado 24"x24"x3/8" salt pepper light polished SB laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect.(SPM-110 Master or Equivalent).	P.Sft	730.22
6	NSI	Providing and fixing 3/4" thick pre-polished cherry pink marble full width area above 2 sft laid in white cement matching pigment 3/4" thick cement sand mortar (1:2) i/c fitting joints in white cement & matching pigment i/c making gola on exposed edges complete in all respect as approved by the engineer in charge. (Internal Stairs)	P.Sft	473.80
7	NSI	Providing and fixing 3/4" thick pre-polished cherry pink marble full width area above 2 sft laid in white cement matching pigment 3/4" thick cement sand mortar (1:2) i/c fitting joints in white cement & matching pigment i/c making gola on exposed edges complete in all respect as approved by the engineer in charge. (Stairs & Slab)	P.Sft	1043.06
8	NSI	Providing and laying marble of pre-polished cherry pink marble size 2'x4'x3/8" laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment and chemical polishing complete in all respect as approved & directed by the engineer incharge. (Floor)	P.Sft	1283.77
9	NSI	Providing and fixing solid engineered door of red oak (NTC SED 859 or Equivalent) including hinges, tower bolt rubber stop cleats handles and chord with hooks etc. complete in all respect and as approved by the engineer incharge.	P.Sft	552.08
10	NSI	Providing and fixing solid engineered door of teak wood (NTC FGV-307 or Equivalent) including hinges, tower bolt rubber stop cleats handles and chord with hooks etc. complete in all respect and as approved by the engineer incharge.	P.Sft	86.52
11	NSI	Providing & fixing door handle lock of good quality, complete in all respect as per approval of Engineer/ Incharge. (RW-46 MSN Royalwand or Equivalent)	Each	17.00
12	NSI	Providing and fixing UPVC Doors 38mm thickness i/c delux matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahogany-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories i/c mortice locks complete in all respect as approval by the Engineer Incharge.	P.Sft	234.33

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Sr. No.	Item No.	Description of Item	Unit	Qty
13	NSI	Providing/ fixing islamic art pattern aluminium jali 11mm thick, size as per site requirement including M.S supporting frame and screws etc., complete in all respect as per instruction of Engineer/ Incharge.	P.Sft	2461.75
14	NSI	Providing/ fixing railing consisting of S.S. Pipe section size 2" dia of 18 SWG welded with S.S. flat 1"x1/8" continuously and welded over S.S. pipe punched in S.S. flat 2 ¾' high @ 5½" c/c fixed in steps of stair, complete in all respect as per Engineer/ Incharge.	P.Rft	293.55
15	NSI	Providing high performance high range water reducer (superplasticizer)for concrete as per approved mix design and approval of Engineer Incharge (Sika or equivalent)	P.kg	2776.00
		Total of Non MRS ITEMS		
GRAND TOTAL OF CIVIL WORKS				

Project D
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**CONSTRUCTION OF MOSQUE AT RAHIM YAR KHAN CAMPUS, THE ISLAMIA
UNIVERSITY OF BAHAWALPUR**

BILL OF QUANTITIES

SUMMARY OF COST

ELECTRICAL WORKS

BOQ Section	Description	Cost of Section (Rs)
Section-A	Distribution Boards	
Section-B	Light Fixtures	
Section-C	Miscellaneous Fittings	
Section-D	Wiring in Concealed Conduits	
Section-E	LT Cables	
Section-F	Wiring Accessories	
Section-G	Grounding System	
Section-H	Conduits & Pipes	
Section-I	Civil Works	
Section-J	Air Conditioning	
Section-K	PAS & UPS	
	Total Cost of Electrical Works	


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Item No.	Description	Unit	Qty	U
	SECTION - B			
	LIGHT FIXTURES			
	Supply, installation, testing and commissioning of following light fittings, ceiling, recessed, wall mounted as per specified fixture. Complete with internal wiring, Grounding terminal, driver complete in all respects. Lights should be of Phillips			
C-B-01	17 Watt LED/SMD Light Fixture, IP-44 rated	No.	165	
C-B-02	9 Watt LED Light Fixture surface/recessed mounted, IP-44 rated	No.	24	
		Sub Total Part -B F		

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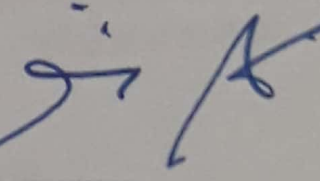
Item No.	Description	Unit
	SECTION - C	
	MISCELLANEOUS FITTINGS	
	Supply, installation, testing & commissioning of Ceiling/ Exhaust fan. The ceiling/exhaust fan shall comprise circular fan metallic/ plastic body, metallic fan blades, down rod (if necessary) of suitable dia & length, AC capacitor, internal wiring, terminals all installation & operational accessories as per tender specifications, as per site requirements and as directed by the Engineer. make Bilal Switchgear Engineering or approved equivalent.	
C-C-01	12 " outer dia exhaust fan with metallic body,fan blades and louvers	No.
C-C-02	24" outer dia Wall Bracket fan,1450Rpm, Max 50db sound level Fan shall be made with 99% purity Copper windings	No.
C-C-03	56" dia ceiling fan suitable to give an air displacement of minimum 8000 Cu. ft./ min. Fan shall be made with 99% purity Copper windings.	No.
		Sub T

Item No.		Description	Unit	Qty	Unit (R)
		SECTION - D			
		WIRING IN CONCEALED CONDUITS			
C-D-01		Distribution board to Switch			
		Wiring of light circuit from Distribution Board to switch, with Three nos. single core 2.5 Sqmm PVC insulated 450/750 volts grade stranded copper conductor cables in concealed PVC conduits (conduits partly shared) including PVC conduit, and conduit accessories etc. Cable should be of Pakistan Cable, Newage or fast cable and conduit should be of Solo, popular or equivalent as approved by site engineer			
i	ch/24/10 (a)(iii)	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) Cost of 1x 2.5 mm (7/0.029")	RMtr	1890	
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	315	
C-D-02		Switch to light point & point to point wiring			
		Wiring from switch to light or fan point with 3 nos. single core 1.5 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partly shared).			
i	ch/24/10 (a)(i)	Supply and erection of single core PVC insulated copper conductor cables in pre-laid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	RMtr	9000	
ii	ch/24/3 (ii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 20mm	Rmtr	1500	
C-D-03		Switch to Switch			
		Wiring from switch to switch with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partly shared).			
i	ch/24/10 (a)(iii)	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) Cost of 1x 2.5 mm (7/0.029")	RMtr	1050	
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	250	
C-D-04		Distribution board to General Purpose (5A/13A) socket			
		Wiring of circuit from Distribution Board to 5A/13A, 230Volts with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts graded, 2&3 pin switched socket, stranded copper conductor cables in concealed PVC conduit, including conduit accessories, etc. (conduit partly shared)			
i	ch/24/10 (a)(iii)	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) Cost of 1x 2.5 mm (7/0.029")	RMtr	1296	
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	216	
C-D-05		Socket to Socket			
		Wiring from 5 Amps, 2&3 pin socket to socket with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade solid or stanerd copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc complete. (conduit partly shared)			
i	ch/24/10 (a)(iii)	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) Cost of 1x 2.5 mm (7/0.029")	RMtr	405	
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	135	
C-D-06		Distribution board to 15Amps socket			

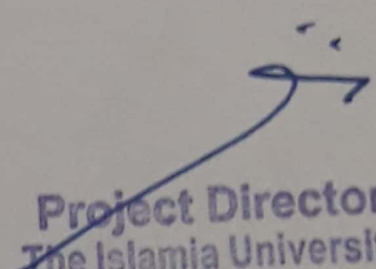
Item No.		Description	Unit	Qty
		Wiring of circuit from distribution board to 15A, 230Volts, DP switch with 3 nos. single core 4Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc (conduit partly shared for A/Cs)		
i	ch/24/10 (a(iv))	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) Cost of 1x 4 mm (7/0.036")	Rmtr	969
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	171
C-D-07		Distribution board to 20Amps socket		
		Wiring of circuit from distribution board to 20A, 230Volts, DP switch with 3 nos. single core 6 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc (conduit partly shared for A/Cs)		
i	ch/24/10 (a(v))	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) Cost of 1x 4 mm (7/0.044")	Rmtr	1026
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	171
			Sub Total Part -	

Item No.		Description	Unit	Qty
		SECTION-E		
		LT CABLES		
		Supply at site, installation, testing and commissioning of PVC Insulated non armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the Engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed. Cable should be of Paksitan Cable, Newage or fast cable and conduit should be of Solo, popular or equivalent as approved by site engineer		
C-E-01	ch/24/13 (c-vii)	Supply and erection of copper conductor cables for service ditto connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) cost of 4 x 25mm (19/0.052)	R.Mtr	250
ii	ch/24/6 (i)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 50mm	Rmtr	250
			Sub Total Part -	

Item No.		Description	Unit	Qty
		SECTION - G		
		GROUNDING SYSTEM		
C-G-01		Grounding Cables		
		Supply at site, installation, testing and commissioning of PVC insulated non armoured copper conductor cable 450/ 750 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the Engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed. Made of Pakistan, newage, Fast cables or equivalent as approved by site engineer.		
	ch/24/10 (a(vi))	Supply and erection of copper conductor cables for service ditto connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only) cost of 1 x 16mm (7/0.064)	R.Mtr	100
C-G-02		Grounding Plate		
		Ground electrode for the Grounding of LT electrical system . The Ground electrode shall comprise 600 x 600 x 6mm Thick Copper plate with Four nos. 1/2 inch dia copper nuts, bolts and washers, 02 Nos 70sqmm bare stranded Copper wire as Grounding leads, TWO inch dia GI pipe (15 feet long), lime and charcoal (Ratio 1:3), inspection chamber (CC 1:4:8), light duty CI cover, excavation & backfilling, all accessories as per site requirements & as directed by the Engineer, complete. A pit of dimensions 4 feet x 4 feet & 15 feet deep shall be excavated in the ground. The lime and charcoal shall be mixed thoroughly in the ratio of 1:3 with ONE foot thick hard packed bed in pit. The Copper plate with Grounding leads shall be placed vertically above the lime and charcoal bed. The 2nos. 70sqmm single core stranded Grounding leads shall be connected diagonally to the nuts and bolts on the copper plate, brought out through the GI pipe upto the first grounding connection point.	No.	2
C-G-03		Grounding Connection Point		
		Supply of Grounding connecting points consisting of copper plate 300mm long x50mm wide x 6mm thick to be installed, complete with fixing arrangement, brass nuts bolts, washers, lugs, 12.5mm dia. holes to facilitate connections of Incoming copper strips / copper conductors.	Nos.	2
			Sub Total Part	


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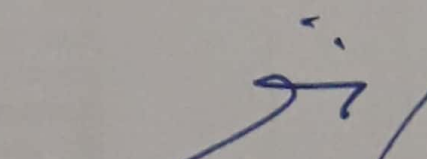
Item No.		Description	Unit	Qty
		SECTION - H		
C-H-01		CONDUITS, PIPES, DUCT, CABLE TRAYS, FIXING CLAMPS AND FIXING ARRANGEMENTS		
		Supply, installation, testing and commissioning of following conduits laid under floor for telephone/ data cables, optical fiber cables, Sub main power cables & earth cables including all conduit accessories. The PVC conduits shall be laid under floor including chiseling and cutting of floor for required dimensions, laying of conduit, backfilling of remaining cavity with CC as specified for floor in that area, making good, complete in all respect, conduit made of solo, popular or equivalent as approved by site engineer.		
i	ch/24/6 (i)	50mm dia PVC conduits (Class D)	R.Mtr	100
ii	ch/24/6 (ii)	80mm dia PVC conduits (Class D)	R.Mtr	45
C-H-02		Flexible Pipe		
		Supply, installation and connections of PVC insulated flexible conduit with nipples, check-nuts fixed on RCC slabs for the following sizes, these conduits shall be used to pass the cables from light and other points made on RCC slab to fixtures mounted at walls, recessed in false ceiling or as required as per site conditions. Approximate quantity is given, actual quantity shall be as per site requirements.		
i	ch/24/5 (ii)	20 mm. dia. (3/4" dia)	R.Mtr	35
ii	ch/24/5 (iii)	25 mm. dia. (1" dia)	R.Mtr	45
			Sub Total Part -H	


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Item No.	Description	Unit	Qty
	SECTION -I		
	CIVIL WORKS		
C-I-01	Trench (for LT Cable)		
	Labour for excavation and refilling of trench 24" wide, 24" deep 4" sand compaction below and above in preinstalled PVC pipes, ramming watering all necessary material, labour etc, complete in all respect. Actual length of the trench shall be as per site condition and paid accordingly however approximate length of trench is given.	R.Mtr	25
C-I-02	Manhole For LT Cable Pulling (If Required)		
	Construction of manholes to facilitate pulling of cables in trench or conduit as shown on drawing, manholes shall be of the size 24" x 24" x 30" deep with 9" thick wall with cement mortar, internal plaster 1:4, 100mm thick RCC cover for manhole, including cost of all accessories / materials, complete in all respects. (Tentative number of manholes have been provided, however payment shall be made as per actual and as per quantity requirement)	Nos.	2
		Sub Total Part -	

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Item No.	Description	Unit	Qty
SECTION - K			
SOUND SYSTEM INSTALLATION			
	Sound System Installation, Supply, Install, Connect and commissioning, conduits wiring testing complete job, sound system (PA) complete, with wires, conduits, boxes and all accessories needed as shown on drawings and specifications. The input resistance of shunt speakers must be in the range (4-8Ω) the work consist: OR approved by Incharge/Engineer.		
NSI			
C-K-01	Power amplifier 900w (Type is PHONIC, MAX 1500 or equivalent)	No.	1
C-K-02	Mixer 8 lines (Type is Bchringe, 4B. 1204 or equivalent)	No.	1
C-K-03	Loud speaker (250Watt) 12" with box , with mounting stand and arms.(Cotina) or equivalent	No.	4
C-K-04	Outdoor horn on minaret (150Watt) (Type is COPA or equivalent) , complete with all needed to fix it.	No.	1
C-K-05	Hand mic . (Type is Shure 606N or equivalent)	No.	1
C-K-06	Tie-Pin condenser mic (Philips or equivalent)	No.	2
C-K-07	Floor mic stand.	No.	2
C-K-08	Spiral mic stand.	No.	1
C-K-09	Complete Microphone Socket Panel with switch	Job.	2
C-K-10	Supply & install rack U10 to hold the amplifier & mixer, the item include fixing 10 double toggle switches to the one sides of rack to control the input & output sounds , wiring and all needed accessories. All works must be according to the engineer instructions, complete installation complete job..OR approved by Incharge/Engineer.	No.	1
UPS System			
C-K-11	APC Smart-UPS SUA 5000va 230V High density, double-conversion line interactive with 0.8 PF model # SUA5000RMI5U or Equivalent approved by site engineer.	Nos	1
C-K-12	Dry Battery 120 AH or 5760va (LEOCH) Back up time 90 minutes on 80% load made of Leoch or equivalent approved by site engineer	Nos	4
C-K-13	Battery Rack (Iron)	Nos.	1
C-K-14	Transport and testing charges	Job	1
		Sub Total Part	


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CONSTRUCTION OF MOSQUE AT RAHIM YAR KHAN CAMPUS, THE ISLAMIA BAHAWALPUR

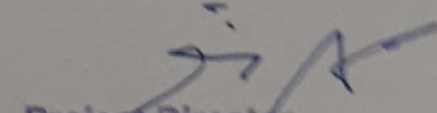
BILL OF QUANTITIES

PUBLIC HEALTH WORKS

SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY
SANITARY FIXTURES AND FITTINGS				
1	19/3 (i)	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest.	Each	13
2	19/12 (i)	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	Each	13
3	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	Each	10
4	19/15	Providing and fixing, chromium plated soap dish.	Each	10
5	19/33 ii	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- ii) 10x7.5 cm (4"x3")	Each	13
6	19/34 ii	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	13
7	19/35	Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").	Each	6
8	19/26 (ii)	Providing and fixing chromium plated bib cock:- ii) 1.5 cm (½")	Each	113
9	19/24 (ii)	Providing and fixing chromium plated stop cock, heavy:- ii) 1.5 cm (½")	Each	33
10	23/36 (ii) e	Providing, laying, cutting, jointing, testing and disinfecting Cost of sockets, tees, elbows, G.I. pipe line in trenches, with flanged joints, using G.I. bends, valves, crosses, unions and pipe of B.S.S. 1387-1967 complete in all respects, plugs, etc. is included in the rates. including specials and valves:- ii) C.I. flanged joints (Medium Quality) e) 4" i/d (100 mm)	P.Rft	212
11	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.iii) 225 mm (9") i/d.	P.Rft	285
12	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	1000 Cft	2565
13	3/24 (c)	Compaction of earthwork (soft, ordinary or hard soil) :- c) Ramming earthwork (all types of soil).	1000 Cft	2565
14	3/13 (a)	Rehandling of earthwork: a) Lead upto a single throw of Kassl, phaorah or shovel	1000 Cft	2565
TOTAL OF MRS ITEMS				
1	NSI	Providing and fixing Basin BOWL White, Porta(HD-16) or equivalent complete in all respects as approved by the Engineer incharge.	Each	10
2	NSI	Providing and fixing Basin, sink mixing valve master(HDA-0501M), sonex or equivalent complete with all respects as approved by the engineer incharge :-white	Each	10
3	NSI	UPVC Multi Floor Trap (110x75mm) including strainer; making required number of connections; breaking concrete or masonry work & then making it good, etc. of approved make.	Each	23

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SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY	RA
4	NSI	Providing, Fixing Dadex Class D or equivalent UPVC clean out with cover making requisite number of holes in walls, plinth or floor for pipe connection and making good the same as necessary to the structure complete including, rubber gasket and clamp.	Each	3	
5		WATER SUPPLY PIPES AND FITTINGS			
		P/F Polypropylene Random copolymer (PPRC) pipe with fusion / threaded joints including the cost of all specials/ accessories i.e elbow, bend, sockets etc. (Dadex /Beeta/BBJ or equivalent) complete in all respect.			
	i	2" (50 mm) dia.	Rft	250	
	ii	2 1/2" (60 mm) dia.	Rft	50	
	iii	1" (25 mm) dia.	Rft	189	
	iv	1 1/2" (40 mm) dia.	Rft	70	
	v	3/4" (20 mm) dia.	Rft	234	
6		SOIL, WASTE, VENTILATING PIPES & FITTINGS			
		Providing , fixing and testing UPVC Nikasi type "B" with solution of same quality make including the cost of all specials/ accessories i.e elbow, bend, sockets etc. (Dadex/Beeta/BBJ or equivalent) complete in all respect.			
	i	100 mm (4") dia.	Rft	212	
	ii	80 mm (3") dia.	Rft	350	
	iii	50 mm (2") dia.	Rft	90	
		VALVES			
7	NSI	Providing and fixing handle valves 16bars or equivalent complete in all respects as approved by the engineer incharge.			
	i	3/4 inch	Each	14	
		MANHOLE			
8	NSI	Making of manhole size 3'x2-1/2'x3' brick work, plaster complete as requirment including RCC manhole cover 22" dia with Tee shape C.I frame complete in all respect as per engineer Incharge	Job	5.00	
		GYSER			
9	NSI	Providing and Fixing Sui Gas Geyser 50 gallon capacity comprising of internal tank of G.I sheet 14-SWG and External M.S sheet 22-SWG covering with proper foot rests dully enamel painted, 4" thick heigh density glass wool insulation with proper warranty with thermostat temperature gauge including fixing and making connection at site etc. complete in all respects as approved by the Engineer Incharge. (Ambassador/Firex/Exquire)	Job	3.00	
		WATER TANK			
10	NSI	Providing and fixing Domestic type water tank of fiber glass 1000 Gallon (Double Ply) Dura or equivalent complete in all respects as approved by the Engineer incharge.	Each	3	
TOTAL OF NSI ITEMS					
GRAND TOTAL OF PUBLIC HEALTH WORKS					


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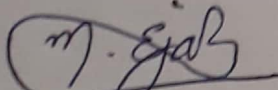
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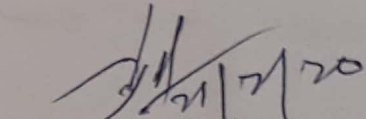
Carpeting of Main Approach Road Including Upgrading of Footpath, Lane Marking and Cat
Eyes at Baghdad-ul-Jadeed Campus

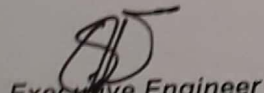
Estimate Based on MRS Jan to Jun, 2020

ABSTRACT OF COST

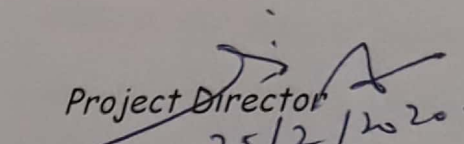
1) Civil Work (Schedule Items)	Rs.	38,784,353.00
2) Civil Work (Non-Schedule Items)	Rs.	5,356,840.00
Total	Rs.	44,141,193.00
Add 16% PST	Rs.	7,062,591.00
Grand Total	Rs.	51,203,784.00


Sub-Engineer


Assistant Engineer


Executive Engineer

Technically Sanctioned for Rs.51,203,784.00


Project Director
25/2/2020

The Islamia University of Bahawalpur

Upgrading of Main Approach Road Including Upgrading of Footpath, Lane Marking and Drainage at
ul-Jadeed Campus

Civil Work (Schedule)

Ref	Description	Quantity	Unit
1 18/7	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq m.)	260000.00	Sft
2 18/10	Providing & Laying plant premixed bituminous including compaction and finishing to required grade and density, 4% bitumen 1" thick	12000.00	Sft
3 18/10	Providing & Laying plant premixed bituminous including compaction and finishing to required grade and density, 4% bitumen 2" thick	260000.00	Sft
4	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. Complete in all respect. (50% Grey / 50% Coloured) 60mm thick b) 60mm thick	72000.00	Sft
5 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	1650.00	Cft
6 3/5-iii + 17A	Earthwork in ordinary soil for embankments lead upto 100 ft (30 m), 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 in all respects:- i/c Carriage upto 1/4 mile iii) 85% maximum modified AASHO dry density.	100000.00	Cft
7 4-13	Dismantling brick work in lime or cement mortar.	9900.00	Cft
8 7/5	Pacca brick work in ground floor:- cement, sand mortar:- Ratio 1:3	3000.00	Cft
9 11/18	Cement pointing struck joints, on walls, upto 20' (6.00 m) hieght - ratio 1:2	4500.00	Sft
10 13/40	Painting Traffic Lanes 5" wide (125mm), (1.5 mm thick), with thermoplastic (TP) Paint including Glass Beads, complete in al respect. As per NHA Specification	25000.00	Rft
Civil Work (Non-Schedule)			
1 N S	Providing & Fixing Pre-Cast Kerb stone size 12"x14"x6" (300mmx350mmx150mm) and duly embedded on a bed of PCC 1:6:12 (4" thick), PCC 1:2:4 for hanuching, laid with cement sand mortor 1:3, 3/4" thick i/c painting of 3 coats complete in all respects as per design & as approved by the engineer incharge made (Izhar/Banu Mukhtar/ Mukhtar Sons)	15000.00	Rft
2 N S	Providing and fixing plastic, double side Cat-Eyes (Yellow & White) with epoxy, steel nails etc (3M or equivalent) with layout, cleaning of surface complete in all respects and as per direction of engineer incharge.	2000.00	No



The Islamia University of Bahawalpur



**EXTENSION OF VERANDAH'S AND CONSTRUCTION
OF FACULTY OFFICES AT OLD ENGINEERING
BLOCK OF BAGHDAD-UL-JADEED CAMPUS, THE
ISLAMIA UNIVERSITY OF BAHAWALPUR**

BILL OF QUANTITIES

MARCH 2020



New Vision Engineering Consultant

Office # B-6, 2nd Floor, Masood Arcade,
IJP Road, Islamabad.

Tel: (051) 4848374 Fax: (051) 4848375

Email: newvisionec@yahoo.com

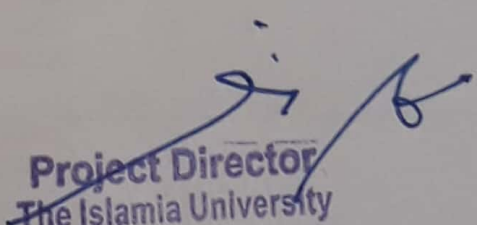


EXTENSION OF VERANDAH'S AND CONSTRUCTION OF FACULTY OFFICES
AT OLD ENGINEERING BLOCK OF BAGHDAD-UL-JADEED CAMPUS, THE
ISLAMIA UNIVERSITY OF BAHAWALPUR

BILL OF QUANTITIES

SUMMARY OF COST

Sr. No.	DESCRIPTION	AMOUNT
1.	CIVIL WORKS	
2.	PUBLIC HEALTH WORKS	
3.	ELECTRIC WORKS	
	TOTAL	
	GRAND TOTAL	


Project Director
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**EXTENSION OF VERANDAH'S AND CONSTRUCTION OF FACULTY OFFICES AT
BLOCK OF BAGHDAD-UL-JADEED CAMPUS, THE ISLAMIA UNIVERSITY OF**

BILL OF QUANTITIES

CIVIL WORKS

Sl. No.	Item No.	Description of Item	Unit	Qty
1	C-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.	%0Cft	18417.49
2	C-26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	%Sft	36950.94
3	C-6/5(i)	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:4:8	%Cft	2181.54
4	C-6/6 a-i (3)	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned above not requiring form work (i.e. horizontal in shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	P.Cft	6489.51
5	C-6/6 a-i (3)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4), Ground floor	P.Cft	11022.88
6	C-6/6 a-i (2)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3), Under Plinth Level	P.Cft	669.13
7	C-6/6 a-i (2)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3), Ground Floor	P.Cft	1391.47
8	C-6/9(c)	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- Deformed bars (Grade-60)	%Kg	64496.80
9	C-7/4(i)	Pacca brick work in foundation and plinth in Cement, sand mortar. Ratio 1:6	%Cft	9423.53
10	C-3/15(i)	Filling, watering, ramming earth under floors (with surplus earth foundation).	%0Cft	6139.16
11	C-3/15(ii)	Filling, watering and ramming earth under floors:-ii) with new earth excavated from outside lead upto one chain (30 m).	%0Cft	23329.74
12	C-3/17	Transportation of earth all types when the total distance, this rate will be paid in addition to the including the lead covered in the item of work, is more than rate of earthwork, without deducting 1000 ft. (300 m) (Lead will be paid as per actual but not more than 1.5km)		
	a	upto ¼ mile (400 m).	%0Cft	23329.74
	b	for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.6 Km.)	%0Cft	23329.74
13	C-7/5(i)	Pacca brick work in ground floor cement, sand mortar Ratio 1:5	%Cft	8436.54
14	C-7/5(ii)	Pacca brick work in ground floor cement, sand mortar Ratio 1:4	%Cft	157.57
15	C-11/11(b)	Cement plaster 1:5 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	%SR	16056.11

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Sr. No.	Item No.	Description of Item	Unit	Qty
16	C-11/11(c)	Cement plaster 1:5 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick.	%Sft	8043.36
17	C-11/9(c)	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick.	%Sft	13717.99
18	C-11/10(b)	Cement plaster 3/8" thick under soffit or R.C.C. roof slab only upto 20' height ratio 1:3.	%Sft	14440.60
19	C-13/31 (a+b)	Preparing surface and painting with emulsion paint:- 3 Coats.	%Sft	38540.07
20	C-13/32A a(i+ii)	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2 Coats.	%Sft	13717.99
21	C-7/30	Supplying and filling sand under floor; or plugging in wells.	%Cft	4883.68
22	C-6/2	Dry rammed brick or stone ballast, 1½" to 2" (40 mm to 50mm) gauge.	%Cft	4883.68
23	C-6/5(f)	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	%Cft	2525.35
24	C-10/15(e)	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- 2" (50 mm) thick.	%Sft	296.64
25	C-9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4" (100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	15253.09
26	C-9/45(c)	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. 2" thick	%Sft	15253.09
27	C-25/53(b)	Providing and fixing all types of glazed aluminum windows of anodized champagne color partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mmx30mm using frame at bottom, attopand side leaf leaf frame sections of 60mmx23mm at top & bottom and size 45mmx25mm at center and size 45mmx25mm at sides, Jali leaf frame size 43mmx13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc.in all respect .b)2 mm thick	P.Sft	552.60
28	C-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.	P.Sft	552.60
29	C-25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¾" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	P.Sft	72.10
30	C-12/15 a	Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20 SWG welded with M.S. flat 6"x 1¼" x 1/8" (150mmx30mmx3mm) M.S. holdfast 9"x1"x1/8" (225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: single rebate	P.Sft	472.26

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Sr. No.	Item No.	Description of Item	Unit	Qty	R
31	C-13/5 (i+ii)	Painting new surface:- c) Preparing surface and painting of doors and windows any type (including edges):- 3 coats	%Sft	36.06	
32	C-13/7 a	French polishing complete:- on new work.	%Sft	944.61	
33	C-9/15	Khuras on roof 2"x2"x6" (600 x 600 x 150 mm)	Each	14.00	
34	C-6/33(a-i)	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 500gauge ii) 2" thick (50 mm)	%Sft	198.92	
35	6/32 a	Providing and fixing thermopore (foamed polythene) sheet in horizontal and vertical expansion joints: b) 1½" (40 mm) thick thermopore sheet	P.Sft	224.03	
36	6/25 a	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- On interior surface (without mastic strip)	P.Rft	227.89	
37	6/25 b	Providing and fixing 1/8" (3 mm) thick 3" (75 mm) wide aluminium strip on horizontal and vertical expansion joints in walls, columns, ceilings and floors etc., including cost of clips/screws etc., complete in all respects:- On exterior surface (with mastic strip)	P.Rft	188.23	
38	C-13/9(i)	Bitumen coating to plastered or cement concrete surface:-i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	%Sft	1305.43	
39	C-26/37(ii)	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc. 500 gauge (.005" thick)	P.Sft	16558.62	
Total of MRS ITEMS					
1	NSI	Providing and laying flooring tiles 24"x24"x3/8" salt pepper light polished SB laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect.(SPM-110 Master or Equivalent).	P.Sft	14231.84	
2	NSI	Providing and laying tiles skirting dado 24"x24"x3/8" salt pepper light polished SB laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect.(SPM-110 Master or Equivalent).	P.Sft	958.69	
3	NSI	Providing and laying tiles dado for corridor 9"x26"x3/8" laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect.(Master 51SF MPD757 Multi or Equivalent)	P.Sft	1311.71	
4	NSI	Providing and laying glazed Ceramic tiles texture light color for flooring size 9"x26"x3/8" laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the engineer in charge.(master or Equivalent)	P.Sft	263.62	
5	NSI	Providing and laying glazed Ceramic tiles texture light color for skirting / dado size 9"x26"x3/8" laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the engineer in charge. (Master or Equivalent)	P.Sft	972.84	
6	NSI	Providing and fixing 3/4" thick pre-polished cherry pink marble full width area above 2 sft laid in white cement matching pigment 3/4" thick cement sand mortar (1:2) i/c fitting joints in white cement & matching pigment i/c making gola on exposed edges complete in all respect as approved by the engineer in charge. (stairs & slab)	P.Sft	1780.65	

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Sr. No.	Item No.	Description of Item	Unit	Qty
7	NSI	Providing and laying marble of pre-polished cherry pink marble size 2'x4'x3/8" laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment and chemical polishing complete in all respect as approved & directed by the engineer incharge. (Floor)	P.Sft	108.40
8	NSI	Providing and fixing solid engineered door of teak wood (NTC FGV-307 or Equivalent) including hinges, tower bolt rubber stop cleats handles and chord with hooks etc. complete in all respect and as approved by the engineer incharge.	P.Sft	472.26
9	NSI	Providing & fixing door handle lock of good quality, complete in all respect as per approval of Engineer/ Incharge. (RW-46 MSN Royalwand or Equivalent)	Each	22.00
10	NSI	Providing and fixing UPVC Doors 38mm thickness i/c delux matching color UPVC frame matt or glossy finish having color (white-Gray-Marble Gray-Oak Wood- Dard Oak Wood, Coffee Wood Honey Pine Wood-Mahagony-Marry Gold-Chocolate Brown-Honey Dew) i/c all accessories i/c mortice locks complete in all respect as approval by the Engineer Incharge.	P.Sft	151.41
11	NSI	Providing and fixing M.S door consisting of M.S angle iron chowkat 1 1/2"x1 1/2"x 1/4" with M.S flat 2"x1/4" laef frame of M.S angle iron 1 1/4"x1 1/4"x3/16" with diagonal brass of M.S angle iron 1"x1"x1/8" i/c M.S sheet 16 swg fixed on leaf i/c hinges, sliding bolts ,tower bolts handle etc .cutting welding assembling and fixing and at site complete in all respect and as approved by the engineer incharge.	P.Sft	18.03
12	NSI	Providing/ fixing railing consisting of S.S. Pipe section size 2" dia of 18 SWG welded with S.S. flat 1"x1/8" continuously and welded over S.S. pipe punched in S.S. flat 2 3/4' high @ 5 1/2" c/c fixed in steps of stair, complete in all respect as per Engineer/ Incharge.	P.Rft	51.50
13	NSI	Providing and fixing of False ceiling consisting of laminated Gypsum Board (one side laminated) of size 600 mm x 600 mm x 7.5 mm over aluminium Tee's 1"x 1"size at 2'-0"x2'-0"center to center longitudinally and transversally & alminium angle of size 1" x 1" at corners/ ends, including all accessries such as steel hanging wire, hooks, screws, nails, rowel plugs, Cross Joints etc. complete in all respect, and as approved by the Engineer Incharge.	P.Sft	4511.40
14	NSI	Drilling reinforcement bars into hardened/old concrete upto depth of 12" using epoxy for development of reinforcement at joint of existing and new constructed slab complete in all respect as per drawings and instruction of Engineer Incharge. (Sikadurr 30LP or equivalent)	Job	1.00
15	NSI	Providing high performance high range water reducer (superplastisizer)for concrete as per approved mix design and approval of Engineer Incharge (Sika or equivalent)	P.kg	2635.00
		Total of Non MRS ITEMS		

GRAND TOTAL OF CIVIL WORKS


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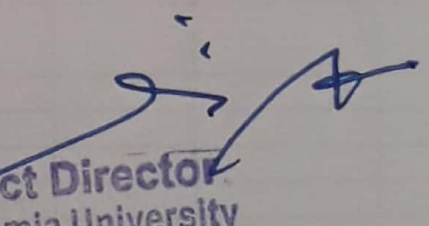
**EXTENSION OF VERANDAH'S AND CONSTRUCTION OF FACULTY OFFICES AT
OLD ENGINEERING BLOCK OF BAGHDAD-UL-JADEED CAMPUS, THE ISLAMIA
UNIVERSITY OF BAHAWALPUR**

BILL OF QUANTITIES


SUMMARY OF COST

ELECTRICAL WORKS

BOQ Section	Description	Cost of Section (Rs)
Section-A	Distribution Boards	
Section-B	Light Fixtures	
Section-C	Miscellaneous Fittings	
Section-D	Wiring in Concealed Conduits	
Section-E	LT Cables	
Section-F	Wiring Accessories	
Section-G	Grounding System	
Section-H	Conduits & Pipes	
Section-I	Civil Works	
	Total Cost of Electrical Works	


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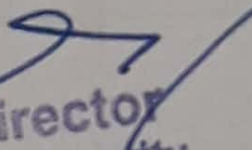
Item	Description	Unit	Qty
	SECTION - A		
	DISTRIBUTION BOARDS		
	Supply at site, fabrication, installation, testing and commissioning of Distribution Board (DB) , made of sheet steel 16 SWG, degreased and derusted, with 2 coats of antirust paint, 2 coats of powder coated paint of approved colour, protection classification IP-44, totally enclosed indoor floor mounting cubicle type in free standing design, with hinged door, handle including cost of all auxiliaries, internal wiring, designation lables on MCCBS, grounding bar suitable for system Voltage 415 V, 50 Hz, 3 Phase and neutral bus bars of 99.9% electrolytic copper, including cost of cable terminal blocks wiring from breakers, brass cable glands, all accessories complete in all respects. All incoming and outgoing breakers shall be accessible only by opening the front door having further M.S. sheet cover gaskets shall also be provided where necessary. Panel should be compeltely made in certified factory. ie PEL, JEL, Mazcorp engineering or equivalent approved by site engineer.		
	All MCCBs shall be suitable to operate without any derating at 40°C ambient temperature and shall be of one make only. The sides of MDB shall also have louvers at bottom and top on sides of panel for hot air exhaust, wire mesh etc. The back of the panel shall be lockable door instead of bolted and shall conform to single line diagram. item should be of ABB, Schneider or equivalent approved by site engineer		
C-A-01	DISTRIBUTION BOARD DB-faculty Office BWP		
	INCOMING		
	01-300 Amps TP MCCB RC=36KA		
	03 Nos. Phase indication lamps of colour Red, Yellow, Blue.		
	03 Nos. 2 Amps fuses		
	01 Nos Digital Voltmeter scaled 0-500 Volts of appropriate sizes.		
	01 Nos.Voltmeter selector switch		
	05 Nos.copper bus bars 300 Ampere,three phase,Earth and Netural for distrubitions.		
	OUTGOING		
	27-10 Amps SP MCB RC=6 KA		
	27-16 Amps SP MCB RC=6 KA		
	27-20 Amps SP MCB RC=6 KA		
		Job	1
		Sub Total Part -A	


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Item No.	Description	Unit	Qty
	SECTION - B		
	LIGHT FIXTURES		
	Supply, installation, testing and commissioning of following light fittings, ceiling, recessed, wall mounted as per specified fixture. Complete with internal wiring, Grounding terminal, driver complete in all respects. Lights should be of Phillips		
C-B-01	40 Watt (min) 2'x2' LED/SMD False ceiling Light or equivalent. IP 20 rated	No.	123
C-B-02	17 Watt LED/SMD Light Fixture, IP-44 rated	No.	90
C-B-03	9 Watt LED luxline Light Fixture surface/recessed mounted, IP-44 rated	No.	5
C-B-04	Exit light, dual sided exit sign should have battery bank with at least 3-hr backup time. Surface & semi flush mount type. Non-maintained min 6 Watt LED light, CE certified, UL listed as per approval of the Engineer in Charge.	No.	5
		Sub Total Part - B	

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Item No.	Description	Unit	Qty
	SECTION - C		
	MISCELLANEOUS FITTINGS		
	Supply, installation, testing & commissioning of Ceiling/ Exhaust fan. The ceiling/exhaust fan shall comprise circular fan metallic/ plastic body, metallic fan blades, down rod (if necessary) of suitable dia & length, AC capacitor, internal wiring, terminals all installation & operational accessories as per tender specifications, as per site requirements and as directed by the Engineer. make Bilal Switchgear Engineering or approved equivalent.		
C-C-01	12" outer dia exhaust fan with Metallic body, fan blades and louvers	No.	8
C-C-02	24" outer dia Wall Bracket fan, 1450Rpm, Max 50db sound level Fan shall be made with 99% purity Copper windings	No.	22
C-C-03	56" dia ceiling fan suitable to give an air displacement of minimum 8000 Cu. ft./ min. Fan shall be made with 99% purity Copper windings.	No.	22
		Sub Total Part -	


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Item No.		Description	Unit	Qty
		SECTION - D		
		WIRING IN CONCEALED CONDUITS		
		Distribution board to Switch		
C-D-01		Wiring of light circuit from Distribution Board to switch, with Three nos. single core 2.5 Sqmm PVC insulated 450/750 volts grade stranded copper conductor cables in concealed PVC conduits (conduits partly shared) including PVC conduit, and conduit accessories etc. Cable should be of Pakistan Cable, Newage or fast cable and conduit should be of Solo, popular or equivalent as approved by site engineer		
i	ch/24/10 (a(iii))	Supply and erection of single core PVC insulated copper conductor cables in prelaidd PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	RMtr	1764
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamies, and repairing surface, etc. complete with all specials ii) Cost of 25mm	Rmtr	308
C-D-02		Switch to light point & point to point wiring		
		Wiring from switch to light or fan point with 3 nos. single core 1.5 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partly shared).		
i	ch/24/10 (a(i))	Supply and erection of single core PVC insulated copper conductor cables in prelaidd PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	RMtr	9075
ii	ch/24/3 (ii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamies, and repairing surface, etc. complete with all specials ii) Cost of 20mm	Rmtr	1925
C-D-03		Switch to Switch		
		Wiring from switch to switch with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partly shared).		
i	ch/24/10 (a(iii))	Supply and erection of single core PVC insulated copper conductor cables in prelaidd PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	RMtr	441
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamies, and repairing surface, etc. complete with all specials ii) Cost of 25mm	Rmtr	105
C-D-04		Distribution board to General Purpose (5A/13A) socket		
		Wiring of circuit from Distribution Board to 5A/13A ,230Volts with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts graded , 2&3 pin switched socket, stranded copper conductor cables in concealed PVC conduit, including conduit accessories, etc (conduit partly shared)		
i	ch/24/10 (a(iii))	Supply and erection of single core PVC insulated copper conductor cables in prelaidd PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	RMtr	2835
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamies, and repairing surface, etc. complete with all specials ii) Cost of 25mm	Rmtr	495
C-D-05		Socket to Socket		
		Wiring from 5 Amps, 2&3 pin socket to socket with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade solid or stanerd copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc complete. (conduit partly shared)		
i	ch/24/10 (a(iii))	Supply and erection of single core PVC insulated copper conductor cables in prelaidd PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 2.5 mm (7/0.029")	RMtr	990
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamies, and repairing surface, etc. complete with all specials ii) Cost of 25mm	Rmtr	330
C-D-06		Distribution board to 15Amps socket		

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Item No.		Description	Unit	Qty
		Wiring of circuit from distribution board to 15A, 230Volts, DP switch with 3 nos. single core 4 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc (conduit partly shared for A/Cs)		
I	ch/24/10 (a(iv))	Supply and erection of single core PVC insulated copper conductor cables in precast PVC pipe/M.S conduit G.I pipe/wooden strip battens/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.036")	Rmtr	255
II	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	85
C-D-07		Distribution board to 20Amps socket		
		Wiring of circuit from distribution board to 20A, 230Volts, DP switch with 3 nos. single core 6 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc (conduit partly shared for A/Cs)		
I	ch/24/10 (a(v))	Supply and erection of single core PVC insulated copper conductor cables in precast PVC pipe/M.S conduit G.I pipe/wooden strip battens/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 4 mm (7/0.044")	Rmtr	1512
II	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	288
				Sub Total Part-D

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Item No.		Description	Unit	Qty
		SECTION-E		
		LT CABLES		
		Supply at site, installation, testing and commissioning of PVC insulated non armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaidd conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the Engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed. Cable should be of Paksitan Cable, Newage or fast cable and conduit should be of Solo, popular or equivalent as approved by site engineer		
C-E-01	ch/24/1 3/(d-vii)	PVC insulated, PVC sheathed 4 core 150mm (37/0.093 armord cable 660/1100 volt grade cable, Cost of trenches where necessary armoured with G.I. wire 16 SWG. Cost of 1 x 4core 150mm	R.Mtr	160
	ch/24/6 (i)	Supply and erection PVC pipe for recessed wiring (main and 38.2 & sub-main) purpose, including bends, specials, etc. in floor, 38.3 wall or trenches:- cost of 50mm	R.Mtr	160
			Sub Total Part	

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Item No.		Description	Unit	Qty
		SECTION - F		
		WIRING ACCESSORIES		
		Supply at site, installation, testing and commissioning of the following wiring accessories, complete in all respects. Made of Phillips		
C-F-01		10 Amps, 250Volts one way, One gang light control switches including appropriate size concealed Plastic back box.	No.	4
C-F-02		10 Amps, 250Volts one way, Two gang light control switches including appropriate size concealed Plastic back box.	No.	18
C-F-03		10 Amps, 250Volts one way, Three gang light control switches including appropriate size concealed Plastic back box.	No.	4
C-F-04		10 Amps, 250Volts one way, Four gang light control switches including appropriate size concealed Plastic back box.	No.	1
C-F-05		10 Amps, 250Volts one way, Five gang light control switches including appropriate size concealed Plastic back box.	No.	5
C-F-06		10 Amps, 250Volts one way, Six gang light control switches including appropriate size concealed Plastic back box.	No.	28
C-F-08		5 Amps, 250Volts, 2 & 3 pin switched socket unit round pin including appropriate size Plastic back box.	No.	84
C-F-09		13 Amps, 250Volts, Mutli pin duplex switched socket unit including appropriate size Plastic back box.	No.	27
C-F-09		15 Amps, 250Volts, 3 pin duplex switched socket unit including appropriate size Plastic back box.	No.	5
C-F-11		20 Amps Double Pole(DP) switch with neon indication lamp complete with Plastic back box.	No.	24
C-F-12		Fan Dimmer 300 watt with plastic body back box with all associated accessories.	No.	22
C-F-13		Appropriate size of plastic body fan box and ceiling fan rod 24" in length	Nos	22
C-F-14	Ch/24/4 9	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook, placed at the time of casting of slab.	No.	22
			Sub Total Pa	

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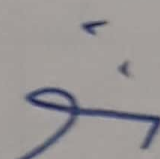
Item No.	Description	Unit	Qty	Unit Price (Rs)
	SECTION - G			
	GROUNDING SYSTEM			
	Grounding Cables			
C-G-01	Supply at site, installation, testing and commissioning of PVC insulated non armoured copper conductor cable 450/ 750 Volt grade (or otherwise mentioned in cable description) in prelaidd conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the Engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed. Made of Pakistan, newage, Fast cables or equivalent as approved by site engineer.			
ch/24/12 (iii)	Supply and erection of single core PVC insulated copper conductor cables in prelaidd PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 35 mm (19/0.064")	R.Mtr	60	
C-G-02	Grounding Plate Ground electrode for the Grounding of LT electrical system . The Ground electrode shall comprise 600 x 600 x 6mm Thick Copper plate with Four nos. 1/2 inch dia copper nuts, bolts and washers, 02 Nos 70sqmm bare stranded Copper wire as Grounding leads, TWO inch dia GI pipe (15 feet long), lime and charcoal (Ratio 1:3), inspection chamber (CC 1:4:8), light duty CI cover, excavation & backfilling, all accessories as per site requirements & as directed by the Engineer, complete. A pit of dimensions 4 feet x 4 feet & 15 feet deep shall be excavated in the ground. The lime and charcoal shall be mixed throughly in the ratio of 1:3 with ONE foot thick hard packed bed in pit. The Copper plate with Grounding leads shall be placed vertically above the lime and charcoal bed. The 2nos. 70sqmm single core stranded Grounding leads shall be connected diagonally to the nuts and bolts on the copper plate, brought out through the GI pipe upto the first grounding connection point.	No.	1	
C-G-03	Grounding Connection Point Supply of Grounding connecting points consisting of copper plate 300mm long x50mm wide x 6mm thick to be installed, complete with fixing arrangement, brass nuts bolts, washers, lugs, 12.5mm dia. holes to facilitate connections of Incoming copper strips / copper conductors.	Nos.	1	
	Sub Total Part -G Rs			

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Item No.		Description	Unit	Qty
		SECTION - H		
C-H-01		CONDUITS, PIPES, DUCT , CABLE TRAYS, FIXING CLAMPS AND FIXING ARRANGEMENTS		
		Supply, installation, testing and commisioloning of following conduits laid under floor for telephone/ data cables , optical fiber cables, Sub main power cables & earth cables including all conduit accessories. The PVC conduits shall be laid under floor including chiseling and cutting of floor for required dimensions, laying of conduit, backfilling of remaining cavity with CC as specified for floor in that area, making good, complete in all respect. conduit made of solo, popular or equivalent as approved by site engineer.		
i	ch/24/6 (i)	50mm dia PVC conduits (Class D)	R.Mtr	100
ii	ch/24/6 (ii)	80mm dia PVC conduits (Class D)	R.Mtr	50
C-H-02		Flexible Pipe		
		Supply, installation and connections of PVC insulated flexible conduit with nipples, check-nuts fixed on RCC slabs for the following sizes, these conduits shall be used to pass the cables from light and other points made on RCC slab to fixtures mounted at walls, recessed in false ceiling or as required as per site conditions. Approximate quantity is given, actual quantity shall be as per site requirements.		
i	ch/24/5 (ii)	20 mm. dia. (3/4" dia)	R.Mtr	35
ii	ch/24/5 (iii)	25 mm. dia. (1" dia)	R.Mtr	45
			Sub Total Part -H	


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Item No.	Description	Unit	Qty
	SECTION -I		
	CIVIL WORKS		
C-I-01	Trench (for LT Cable)		
	Labour for excavation and refilling of trench 24" wide, 24" deep 4" sand compaction below and above in preinstalled PVC pipes, ramming watering all necessary material, labour etc, complete in all respect. Actual length of the trench shall be as per site condition and paid accordingly however approximate length of trench is given.	R.Mtr	20
C-I-02	Manhole For LT Cable Pulling (If Required)		
	Construction of manholes to facilitate pulling of cables in trench or conduit as shown on drawing, manholes shall be of the size 24" x 24" x 30" deep with 9" thick wall with cement mortar, internal plaster 1:4, 100mm thick RCC cover for manhole, including cost of all accessories / materials, complete in all respects. (Tentative number of manholes have been provided, however payment shall be made as per actual and as per quantity requirement)	Nos.	2
		Sub Total Part	


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of Bahawalpur.

**EXTENSION OF VERANDAH'S AND CONSTRUCTION OF FACULTY OFFICES
BLOCK OF BAGHDAD-UL-JADEED CAMPUS, THE ISLAMIA UNIVERSITY**

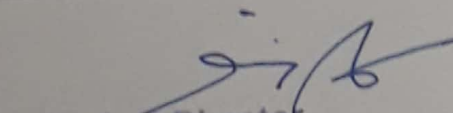
BILL OF QUANTITIES

PUBLIC HEALTH WORKS

SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY
SANITARY FIXTURES AND FITTINGS				
1	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	Each	4
2	19/15	Providing and fixing, chromium plated soap dish.	Each	4
3	19/17	Providing and fixing, chromium plated toilet paper holder.	Each	6
4	19/18 i	Providing and fixing, chromium plated towel rail:- i) 60 cm (24") long, and 2 cm (¾") dia.	Each	2
5	19/26 ii	Providing and fixing chromium plated bib cock:- ii) 1.5 cm (½")	Each	5
6	19/33 ii	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- ii) 10x7.5 cm (4"x3")	Each	11
7	19/34 ii	Providing and fitting "P" trap:- ii) 10 cm (4") glazed.	Each	11
8	19/35	Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").	Each	3
9	19/7	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	Each	1
10	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.iii) 225 mm (9") i/d.	P.Rft	736
11	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	1000 Cft	6624
12	3/24 (c)	Compaction of earthwork (soft, ordinary or hard soil) :- c) Ramming earthwork (all types of soil).	1000 Cft	6624
13	3/13 (a)	Rehandling of earthwork: a) Lead upto a single throw of Kassi, pharaoh or shovel	1000 Cft	6624
TOTAL OF MRS ITEMS				
1	NSI	Providing and fitting glazed earthen ware water closet European type(HD-201), including seat and cover:- i) white	Each	1
2	NSI	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern) (HDD-9 Porta), combined with foot rest	Each	5
3	NSI	Providing and fitting flushing hung type cistern (HD-3) 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	Each	5
4	NSI	Providing and fixing chromium plated tee stop cock 15mm (½").	Each	16
5	NSI	Providing and fixing Muslim shower double bib cock 90 angle Sonex, or equivalent complete in all respects as approved by the engineer incharge	Each	1

Project Director
The Islamia University
of Bahawalpur.

SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY
6	NSI	Providing and fixing Basin BOWL White ,Porta (HD-16) or equivalent complete in all respects as approved by the Engineer incharge.	Each	4
7	NSI	Providing and fixing Basin, side pillar cock mixing valve master ,sonex or equivalent complete with all respects as approved by the engineer incharge :-white	Each	5
8	NSI	UPVC Multi Floor Trap (110x75mm) including strainer; making required number of connections; breaking concrete or masonry work & then making it good; etc. of approved make.	Each	9
9	NSI	Providing, Fixing Dadex Class D or equivalent UPVC clean out with cover making requisite number of holes in walls, plinth or floor for pipe connection and making good the same as necessary to the structure complete including, rubber gasket and clamp.	Each	2
10		WATER SUPPLY PIPES AND FITTINGS		
		P/F Polypropylene Random copolymer (PPRC) pipe with fusion / threaded joints including the cost of all specials/ accessories i.e elbow, bend, sockets etc. (Dadex /Beeta/BBJ or equivalent) complete in all respect.		
	i	2" (50 mm) dia.	Rft	60
	ii	1" (25 mm) dia.	Rft	180
	iii	1 1/4" (40 mm) Dia	Rft	60
	iv	3/4" (20 mm) dia.	Rft	120
11		SOIL, WASTE, VENTILATING PIPES & FITTINGS		
		Providing , fixing and testing UPVC Nikasi type "B" with solution of same quality make including the cost of all specials/ accessories i.e elbow, bend, sockets etc. (Dadex/Beeta/BBJ or equivalent) complete in all respect.		
	i	100 mm (4") dia.	Rft	210
	ii	80 mm (3") dia.	Rft	140
	iii	50 mm (2") dia.	Rft	740
		VALVES		
12	NSI	Providing and fixing handle valves 16bars or equivalent complete in all respects as approved by the engineer incharge.		
	i	3/4 inch	Each	6
		MANHOLE		
13	NSI	Making of manhole size 3'x2-1/2'x3' brick work, plaster complete as requirment including RCC manhole cover 22" dia with Tee shape C.I frame complete in all respect as per engineer Incharge	Job	5.00
TOTAL OF NSI ITEMS				
GRAND TOTAL OF PUBLIC HEALTH WORKS				


Project Director
 The Islamia University
 of Bahawalpur.

The Islamia University of Bahawalpur

Renovation & Addition/Alteration of Arabic & Islamiat Department in Faculty of Islamic Learning at
Baghdad-ul-Jadeed Campus

Estimate Based on MRS, Jan to Jun, 2020

ABSTRACT OF COST

A) Schedule Work

1 Civil Work

Rs. 2,080,836.00

2 Electric Work

Rs. 2,225,380.00

Total

Rs. 4,306,216.00

B) Non-Schedule Work

1 Civil Work

Rs. 23,430,998.00

2 Electric Work

Rs. 10,101,090.00

3 Plumbing Work

Rs. 812,799.00

Total

Rs. 34,344,887.00

Total A+B

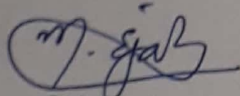
Rs. 38,651,103.00

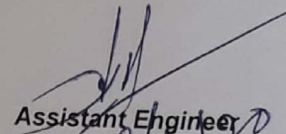
Add 16% Punjab Sales Tax

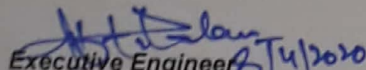
Rs. 6,184,176.00

Grand Total

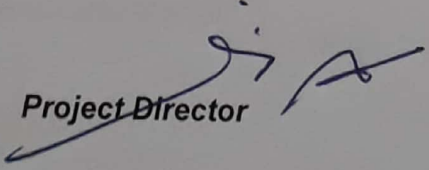
Rs. 44,835,279.00


Sub-Engineer


Assistant Engineer
08/4/20


Executive Engineer 8/4/2020

Technically Sanctioned for Rs.44,835,279.00


Project Director

The Islamia University of Bahawalpur
Addition/Alteration of Arabic & Islamiat Department in Faculty
Baghdad-ul-Jadeed Campus

		Description	Quantity	
	4/9-b	Scraping - Ordinary distemper, oil bound distemper, or paint of wall.	18062.5	Sft
2	11/36	Petty repair to small room	15.00	No
3	11/37	Petty repair to verandah room	25.00	No
4	4/32-i	Removing door with chowkat.	60.00	No
5	4/32-ii	Removing windows and sky lights with chowkat.	125.00	No
6	4/50	Dismantling glazed or encaustic tiles, etc.	1800.00	Sft
7	4/48	Removing cement or lime plaster.	2750.00	Sft
8	13/31 a+b	Preparing surface and painting with emulsion paint:-old surface 2 coats	43993.75	Sft
9	13/4-c i+ii	Painting doors and windows, any type: old surface 2 coats	500.00	Sft
10	13/4 d i+ii	Painting guard bars, gates of iron bars, gratings, railing (including standards, braces etc.) and similar open work:- old surface 2 coats	2000.00	Sft
11	13/4 e i+ii	Painting fillets, framings, skirtings, pipes, gutters and similar linear work not exceeding 6" in girth:- old surface 2 coats	1875.00	Lft
12	13/32 A-b	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: old surface:	20000.00	Sft
13	7/5	Pacca brick work in ground floor:- Cement, sand mortar:- i) Ratio 1:5 ii) Ratio 1:3	87.50	Cft
14	11/8-b	Cement plaster 1:3 upto 20' (6.00 m) height:- ½" (13 mm) thick	150.00	Cft
15	12/45	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets.	1375.00	Sft
16	10/25	Laying floor of approved coloured glazed tiles ¼" (6 mm) thick, laid in white cement and pigment on a bed of ¾" (20 mm) thick cement mortar 1:2.	75.00	Sft
17	10/38	Coloured glazed tile dado ¼" (6mm) thick in pigment over 1:2 cement, sand mortar ¾" (20mm) thick, including finishing.	100.00	Sft
18	6/6	(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) (c) Type C (nominal mix 1: 2: 4)	300.00	Sft
19	6/9-b	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars 60-Grade	200.00	Cft
			900.00	Kg

		Description	Quantity	
		Concrete plain including placing, compacting, curing and curing complete (including screening and washing of stone aggregate). Ratio 1:2:4	3000.00	Cft
		Civil Work (Non-Schedule)		
1	N.S	Providing and laying Floor Tile 24"x24" Granite Effect (GEM) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge	17000.00	Sft
2	N.S	Providing and laying Tile Dado 9"x26" Size (51SF MPD538 & 757 Multi 9x26 Master and 24SF MPD748 Multi 9x26 Master) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge	4625.00	Sft
3	N.S	Providing and laying Granite Marble Slab (SADU Grey) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2 including grinding & chemical polishing complete in all respects as approved by Engineering incharge	400.00	Sft
4	N.S	Providing, Fabricating and fixing 16 SWG M.S sheet hollow pressed Jamb frame (Factory primme) for door welded with MS flat size 6"x1.5"x3/16", hold fast i/c welding/screwing 5" long iron hinges, filling concrete for the jamb frame and embedding hold fast in the adjoining walls with 1:2:4 concrete, enamel painting etc. complete in all respects as show on the drawing and/ or as directed by the engineer, in conformance with following size 10"x2-1/2"	1990.00	Sft
5	N.S	Providing and fixing wooden door shutter soild (Red Oak-859 imported) 40mm thick including tower bolt and all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	1720.00	Sft
6	N.S	Providing and fixing Door Closer (Royalwand 804 Coffee) including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	40.00	No
7	N.S	Providing and fixing Door Lock (RW-46 MSN Royalwand) including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	40.00	No
8	N.S	Polishing of doors with best quality Mat polish complete in all respect as approved by Engineer Incharge.	3440.00	Sft
9	N.S	Providing and fixing Roller Blinds fixing in position as per approved design and sample complete in all respect as approved by the engineer incharge.	375.00	Sft
10	N.S	Providing and fixing all types of Double glazed aluminium windows of anodized bronze colour partly fixed and partly sliding using deluxe section of M/s AL-Cop or 101mm x 41mm x 2mm using frame (70501) at bottom, (70502) at top and side Pakistan cables/Al- Cop having frame of size 31mmx60mmx2mm (70506) at top & bottom and size 35mm x60mmx2mm (70505) at center and size 35mm x 60mm x2mm (70503) at sides, Jali leaf frame 70509 size 45mm x 14mm x1.6mm i/c fine quality aluminum jali,fixing		

		Description	Quantity	
		5mm thick brown tinted tempered + 5mm thick air space + 5mm thick clear tempered glass with rubber gas ket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc complete in all respect as approved by the engineer incharge.	3025.00	S
11	N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar with 1.25"x1.25"x1/8" MS angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	2000.00	S
12	N.S	Providing and fixing 3/4" thick Laminated Board shutter for laboratory cabinet with 3/4" x 3/4" deodar wood beading including tower bolts on top & bottom lock 808, hinges, polishing complete in all respects as approved by the Engineer Incharge.	300.00	S
13	N.S	Providing & Fixing false ceiling of Gypsum 9mm thick including all accessories, network & hardware etc complete in all respects as per approved design and sample and as directed by the engineer incharge.	17500.00	S
Electrical Work				
1	24/10a-i	Supply and erection of single core PVC insulated copper conductor cables, in pre-laid PVC pipe/M.S. conduit/G.I. pipe/wooden strip batten/wooden casing and capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated:		
i		3/0.74 mm (3/0.029")	900.00	R
ii		7/0.74 mm (7/0.029")	2000.00	R
iii		7/0.91 mm (7/0.036")	2500.00	R
iv		7/1.12 mm (7/0.044")	2100.00	R
v		7/1.63 mm (7/0.064")	800.00	R
2	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	R
		ii) 1" i/d (25 mm)	500.00	R
3	24/4	Supply and erection of PVC pipe for wiring on surface including clamps inspection boxes, pull boxes, bends, tees, repairing surface, etc., complete with all specials:-		
		i) 3/4" i/d (20 mm)	350.00	R
		ii) 2" i/d 50 mm i/d	750.00	R
4	24/6	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:- 80 mm i/d	350.00	R
5	24/7	Supply and erection of PVC pipe for surface wiring (main and sub-main) including clamps, inspection boxes, pull boxes bends etc., complete with all specials:- 80 mm i/d	550.00	R
6	24/13-d viii + 24/13-c vii	Supply and erection of copper conductor cables for service connection, in pre-laid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4-core 660/1100 volt grade cable, armoured with G.I. wire 16 SWG.		
i		37/2.62 mm (37/0.103")	300.00	R
ii		PVC insulated, PVC sheathed 4 core, 660/1100 volt non armoured cable:-19/1.32 mm (19/0.052")	1250.00	R

		Description	Quantity	
		(Non-Schedule)		
		Installation of LED 2'x 2' Ceiling Panel Light 40W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 36S/865 PSU W60L60 GM G2 or Equivalent)	1000.00	No
2	N.S	Supply & installation of LED Ceiling Light 17W (6" recessed, 220V~) i/c cutting holes to install in false (any type) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	25.00	No
3	N.S	Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	75.00	No
4	N.S	Supply & installation of Wall Mounted LED Batten Light 20W (220V~, 6500K) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Slimline or Equivalent)	55.00	No
5	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	8.00	No
6	N.S	Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widening of mounting holes and 4.00nos of rawl bolts 1/4" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge	10.00	No
7	N.S	Supply & installation of Ceiling Fan 56" (99.99% Copper) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis-Deluxe, Tamoor-Deluxe, Pakfan-Deluxe or Equivalent)	15.00	No
8	N.S	Supply & installation of Metal body Exhaust fan 20" (99.99% Copper) with metal mounting frame i/c any accessories (i.e. screw, Rawl plug/rawl bolt etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Tamoor, Indus, Pakfan or Equivalent)	18.00	No
9	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw, Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	8.00	No
10	N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	175.00	No
11	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	100.00	No

		Description	Quantity	
		Installation of a Fan Dimmer 300W with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	150.00	No
13	N.S	Supply & installation of a Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	25.00	No
14	N.S	Supply & installation of a Double Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	50.00	No
15	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	70.00	No
16	N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	160.00	No
17	N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	180.00	No
18	N.S	Supply & installation of a Four Single Pole Switch & Two 2-Pin Socket Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	100.00	No
19	N.S	Supply & installation of PVC cable trunk (Duct) 16x25mm i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GM, Popular or Equivalent)	1100.00	Rf
20	N.S	Supply & installation of PVC cable trunk (Duct) 40x40mm i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GM, Popular or Equivalent)	600.00	Rf
21	N.S	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 24"x18") including Incoming Main Molded Case Circuit Breaker of 125 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthing bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	4.00	No

		Description	Quantity	Rate	
		Laying earthing for Electric Machines i/c boring at ground 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) & charcoal around copper strip i/c connecting with Electric machine. Complete in all respects as approved and as directed by the engineer incharge.	4.00	No	126
23	N.S	Supply and installation of 120mm ² , Aluminum Alloy Parallel Groove Clamp complete with nut/bolts i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge.	4.00	No	5
24	N.S	Providing & laying of PVC/PVC 2-Core flexible 23/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	45.00	M	
25	N.S	Providing & laying of PVC/PVC 3-Core flexible 40/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	55.00	M	
26	N.S	Providing & laying of PVC/PVC 3-Core flexible 70/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	55.00	M	
27	N.S	Providing & laying of PVC/PVC 3-Core flexible 110/0.0076" copper conductor cable i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (KM, Eagle or Equivalent)	60.00	M	
		Plumbing Work (Non-Schedule)			
1	N.S	Providing, Laying, Fixing, testing uPVC (Dadex/Beta/ Pakarab) 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. i) uPVC Pipe 4" dia ii) uPVC Pipe 6" dia iii) uPVC Pipe 8" dia	200.00 87.50 43.75	Rft Rft Rft	
2	N.S	Providing and laying, cutting, jointing, testing and disinfecting PPRC pipe line for hot and cold water supply complete in all respect socket, elbow, encaps, male/female, threaded, fitting, like teese, adoptors to connect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site. i) 25mm o/d (Dadex/Beta/BBJ) ii) 32mm o/d (Dadex/Beta/BBJ) iii) 40mm o/d (Dadex/Beta/BBJ)	275.00 400.00 37.50	Rft Rft Rft	
3		Providing & Fixing Stop Valve complete in all respects, as approved by the Engineer Incharge. i) 25mm ii) 32mm iii) 40mm	5.00 2.50 2.00	No No No	

		Description	Quantity	
		Providing and fitting chromium Muslim Shower best quality complete in all respects as approved by the engineer incharge (Porta or equivalent company)	12.00	No
5	N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	28.00	No
6	N.S	Providing and fitting glazed earthen ware Counter basin/Vanity (HD16 Porta or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respects as approved by the engineer incharge	10.00	No
7	N.S	Providing and fixing Coloured Glazed Earthen ware water closet European type Couple set including Flush Tank fixed with comode, hydraulic seat cover, sheet cover thimble, connection pipe Complete in all respect and approved by Engineering Incharge. (HD201 Porta or equivalent company)	4.00	No
8	N.S	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respects as approved by the engineer incharge (HDD9 Porta or equivalent company)	12.00	No
9	N.S	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respects as approved by the engineer incharge (HD3 Porta or equivalent company)	12.00	No
10	N.S	Providing and fitting glazed earthen ware Urinal (HD950 Porta) including waste pipe & nut bolts etc best quality complete in all respects as approved by the engineer incharge (HD950 Porta or equivalent company)	4.00	No
11	N.S	Providing and fitting chromium plated Tee stop cock (817T Porta) best quality complete in all respects as approved by the engineer incharge (817T Porta or equivalent company)	20.00	No
12	N.S	Providing and fitting chromium plated double cock (5140 Porta) best quality complete in all respects as approved by the engineer incharge (5140 Porta or equivalent company)	20.00	No
13	N.S	Providing & Fixing uPVC "P" trap 4" dia complete in all respect as approved by the Engineer Incharge.	40.00	No
14	N.S	Providing and fitting chromium plated Bib cock (Porta) best quality complete in all respects as approved by the engineer incharge (Porta or equivalent company)	20.00	No
15	N.S	Providing and fixing Looking Glass best quality 2'x2' complete in all respects as approved by the engineer incharge	15.00	No
16	N.S	Providing and fitting Chromium plated Single lever Basin Mixer Alfa (HDA0501M) best quality complete in all respects as approved by the engineer incharge (Porta HDA0501M Alfa or equivalent company)	10.00	No
		TOTAL		



THE ISLAMIA UNIVERSITY OF BAHAWALPUR



CONSTRUCTION OF GUEST HOUSE AT BAHAWALNAGAR CAMPUS, THE ISLAMIA UNIVERSITY OF BAHAWALPUR

BILL OF QUANTITIES

MARCH 2020



New Vision Engineering Consultant

Office # B-6, 2nd Floor, Masood Arcade,
IJP Road, Islamabad.

Tel: (051) 4848374 Fax: (051) 4848375

Email: newvisionec@yahoo.com

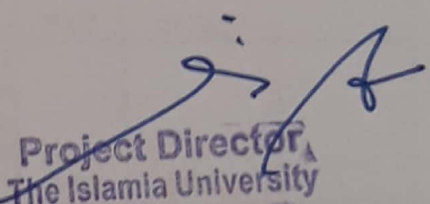


**CONSTRUCTION OF GUEST HOUSE AT BAHAWALNAGAR CAMPUS, THE
ISLAMIA UNIVERSITY OF BAHAWALPUR**

BILL OF QUANTITIES

SUMMARY OF COST

Sr. No.	DESCRIPTION	AMOUNT
1.	CIVIL WORKS	
2.	PUBLIC HEALTH WORKS	
3.	ELECTRIC WORKS	
	TOTAL	
	GRAND TOTAL	


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CONSTRUCTION OF GUEST HOUSE AT BAHAWALNAGAR CAMPUS, THE ISLAMIA U BAHAWALPUR

BILL OF QUANTITIES

CIVIL WORKS

Sr. No.	Item No.	Description of Item	Unit	Qty	Ra
1	C-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.	%Cft	20168.80	
2	C-26/42	Spraying anti-termite liquid mixed with water in the ratio of 1:40.	%Sft	16652.32	
3	C-6/5(i)	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:4:8	%Cft	1601.33	
4	C-6/6 a-ii (3)	Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned above not requiring form work (i.e. horizontal in shuttering) complete in all respects:- Type C (nominal mix 1: 2: 4)	P.Cft	4712.24	
5	C-6/6 a-i (3)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4), Ground floor	P.Cft	3512.32	
6	C-6/6 a-i (3)+d	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4), add extra for First Floor.	P.Cft	3266.33	
7	C-6/6 a-i (3)+d	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4), add extra for Second Floor.	P.Cft	165.56	
8	C-6/6 a-i (2)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3), Under Plinth Level	P.Cft	405.16	
9	C-6/6 a-i (2)	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3), Ground Floor	P.Cft	718.30	
10	C-6/6 a-i (2)+d	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3), add extra for First Floor.	P.Cft	663.51	
11	C-6/6 a-i (2)+d	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3), add extra for Second Floor.	P.Cft	37.08	
12	C-6/9(c)	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- Deformed bars (Grade-60)	%Kg	47373.20	
13	C-7/4(i)	Pacca brick work in foundation and plinth in Cement, sand mortar. Ratio 1:6	%Cft	4343.04	

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Sl. No.	Item No.	Description of Item	Unit	Qty	Rate
14	C-3/15(i)	Filling, watering, ramming earth under floors (with surplus earth foundation).	%0Cft	6722.93	
15	C-3/15(ii)	Filling, watering and ramming earth under floors:-ii) with new earth excavated from outside lead upto one chain (30 m).	%0Cft	9253.63	
16	C-3/17	Transportation of earth all types when the total distance, this rate will be paid in addition to the including the lead covered in the item of work, is more than rate of earthwork, without deducting 1000 ft. (300 m) (Lead will be paid as per actual but not more than 1.5km)			
	a	upto ¼ mile (400 m).	%0Cft	9253.63	
	b	for every 330 ft. (100 m) additional lead or part thereof, beyond ¼ mile (400 m) upto one mile. (1.6 Km.)	%0Cft	9253.63	
17	C-7/5(i)	Pacca brick work in ground floor cement, sand mortar Ratio 1:5	%Cft	5357.19	
18	C-7/5(i)	Pacca brick work in ground floor cement, sand mortar Ratio 1:4	%Cft	455.41	
19	C-7/5(i)+ 7/6(i)	Pacca brick work in first floor cement, sand mortar Ratio 1:5	%Cft	4895.53	
20	C-7/5(i)+ 7/6(i)	Pacca brick work in first floor cement, sand mortar Ratio 1:4	%Cft	633.79	
21	C-7/5(i)+ 7/6(ii)	Pacca brick work in second floor cement, sand mortar Ratio 1:5	%Cft	358.54	
22	C-11/11(b)	Cement plaster 1:5 upto 20' (6.00 m) height:- b) ½" (13 mm) thick	%Sft	21633.35	
23	C-11/11(c)	Cement plaster 1:5 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick.	%Sft	8908.00	
24	C-11/9(c)	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick.	%Sft	12448.63	
25	C-11/32(ii)	Providing grooved cement sand plaster 1:3 over existing plastered and roughened surface upto 20' (6.00 m) height. ii) ½" (13 mm) thick	%Sft	1454.10	
26	C-11/10(b)	Cement plaster 3/8" thick under soffit or R.C.C. roof slab only upto 20' height ratio 1:3.	%Sft	8866.24	
27	C-13/31 (a+b)	Preparing surface and painting with emulsion paint:- 3 Coats.	%Sft	39407.60	
28	C-13/32A a(ii)	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: new surface: 2 Coats.	%Sft	12448.63	
29	C-7/30	Supplying and filling sand under floor; or plugging in wells.	%Cft	1910.17	
30	C-6/2	Dry rammed brick or stone ballast, 1½" to 2"(40 mm to 50mm) gauge.	%Cft	2031.60	
31	C-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	%Cft	2247.80	
32	C-10/15(e)	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (e) 2" (50 mm) thick.	%Sft	1029.29	
33	C-9/5	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	%Sft	4993.75	
34	C-9/45(b)	Providing and Laying Insulation material of Extruded Polystyrene XPS in Rigid Insulation / Foam Board on roof or walls, Density 32-38Kg/M, compressive strength 250-400 kpa, R value 5 per inch thickness and water absorption (1% by volume, cell structure closed cell) i/c cutting and placing in position, complete in all respect. 1-1/2" thick	%Sft	4993.75	

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Sl. No.	Item No.	Description of Item	Unit	Qty
35	C-25/53(b)	Providing and fixing all types of glazed aluminum windows of anodized champagne color partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mmx30mm using frame at bottom, attopand side leaf leaf frame sections of 60mmx23mm at top & bottom and size 45mmx25mm at center and size 45mmx25mm at sides, Jali leaf frame size 43mmx13mm l/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved hardware etc.in all respect. 2 mm thick		
36	C-25/10+11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position. (for Windows Safety Grills)	P.Sft	1274.11
37	C-25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	%kg	8906.75
38	C-12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter (Approved Factory Manufactured) 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.	P.Sft	129.78
39	C-12/15 a	Providing and fixing M.S. sheet hollow pressed frame of doors, windows, C. windows, etc. (chowkat only) of 20SWG welded with M.S. flat 6"x 1¼" x 1/8" (150mmx30mmx3mm) M.S. holdfast 9"x1"x1/8"(225mmx25mmx3mm) welded/screwed 4" (100 mm) long iron hinges, including filling chowkat with cement sand mortar 1:8 and embedding holdfast in cement concrete 1:2:4, complete in all respects: single rebate	P.Sft	64.89
40	C-13/5 c(i+ii)	Painting new surface:- c) Preparing surface and painting of doors and windows any type (including edges):- 3 coats	P.Sft	666.93
41	C-13/7 a	French polishing complete:- on new work.	%Sft	191.07
42	C-9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	%Sft	1204.07
43	C-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 500gauge ii) 2" thick (50 mm)	Each	8.00
44	C-13/9(i)	Bitumen coating to plastered or cement concrete surface:-i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	%Sft	193.22
45	C-26/37(ii)	Supplying and laying polythene sheet over D.P.C. under floors and on roofs, etc.ii)500 gauge (.005" thick)	%Sft	502.32
46	C-6/12	Providing and fixing ornamental cement jali 2" (50 mm) thick (1: 2: 4), without steel.	P.Sft	5496.07
47	C-25/10+11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, including erection in position. (for Parking Shed & Facade MS strips)	%kg	177.24
			%kg	4320.00

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Sr. No.	Item No.	Description of Item	Unit	Qty
48	C-25/10+12	Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:- Prime coat + 2 subsequent coats	100Sft	3542.00
49	C-10/43 (b)	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured), 60-mm thick.	P.Sft	1751.00
Total of MRS ITEMS				
1	NSI	Providing and laying structural pad for foundation made of selected granular fill material (Mixture of 50% gravel and 50% sand of approved quality and grade) including placing, mixing, spreading and compaction of sub-base material to required depth, grade to achieve 95% maximum modified AASHTO dry density, including carriage of all material to site of work complete in all respect as approved by the Engineer incharge.	P.Cft	4861.60
2	NSI	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHTO dry density, including carriage of all material to site of work including gravel and aggregate (Crushed stone aggregate 298 km lead from sargodha quarry)	%Cft	577.63
3	NSI	Providing and laying Granite tiles flooring 24"x24"x3/8" salt pepper light polished SB laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect.(SPM-110 Master or Equivalent).	P.Sft	7616.85
4	NSI	Providing and laying Granite tiles skirting dado 24"x24"x3/8" salt pepper light polished SB laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect.(SPM-110 Master or Equivalent).	P.Sft	516.22
5	NSI	Providing and laying Porcelain tiles dado for corridor 9"x26"x3/8" laid in white cement and matching pigment over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment complete in all respect.(Master 51SF MPD757 Multi or Equivalent)	P.Sft	1606.80
6	NSI	Providing and laying glazed Ceramic tiles texture light color for flooring size 9"x26"x3/8" laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the engineer in charge.(master or Equivalent)	P.Sft	659.97
7	NSI	Providing and laying glazed Ceramic tiles texture light color for skirting / dado size 9"x26"x3/8" laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the engineer in charge. (Master or Equivalent)	P.Sft	2469.43
8	NSI	Providing and fixing 3/4" thick pre-polished cherry pink marble full width area above 2 sft laid in white cement matching pigment 3/4" thick cement sand mortar (1:2) i/c fitting joints in white cement & matching pigment i/c making gola on exposed edges complete in all respect as approved by the engineer in charge. (stairs)	P.Sft	443.84

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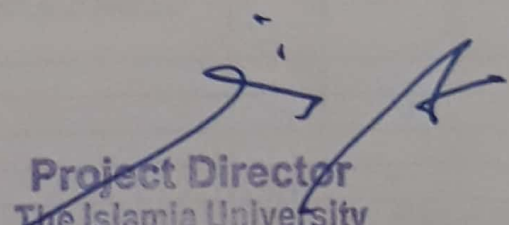
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ISLAMIA UNIVERSITY OF BAHAWALPUR

BILL OF QUANTITIES

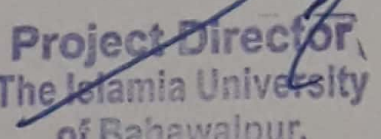
SUMMARY OF COST

ELECTRICAL WORKS

BOQ Section	Description	Cost of Section (Rs)
Section-A	Distribution Boards	
Section-B	Light Fixtures	
Section-C	Miscellaneous Fittings	
Section-D	Wiring in Concealed Conduits	
Section-E	LT Cables	
Section-F	Wiring Accessories	
Section-G	Grounding System	
Section-H	Conduits & Pipes	
Section-I	Telephone System	
Section-J	Civil Works	
Section-K	Air Conditioning	
	Total Cost of Electrical Works	


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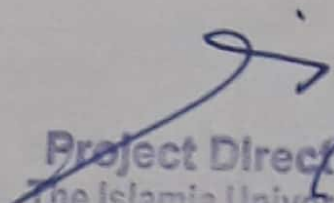
Item No.	Description	Unit	Qty
	SECTION - A		
	DISTRIBUTION BOARDS		
	Supply at site, fabrication, installation, testing and commissioning of Distribution Board (DB) , made of sheet steel 16 SWG, degreased and derusted, with 2 coats of antirust paint, 2 coats of powder coated paint of approved colour, protection classification IP-44, totally enclosed indoor floor mounting cubicle type in free standing design, with hinged door, handle including cost of all auxiliaries, internal wiring, designation lables on MCCBS, grounding bar suitable for system Voltage 415 V, 50 Hz, 3 Phase and neutral bus bars of 99.9% electrolytic copper, including cost of cable terminal blocks wiring from breakers, brass cable glands, all accessories complete in all respects. All incoming and outgoing breakers shall be accessible only by opening the front door having further M.S. sheet cover gaskets shall also be provided where necessary. Panel should be compeltely made in certified factory. ie PEL, Green T&D, Mazcorp engineering or equivalent approved by site engineer.		
	All MCCBs shall be suitable to operate without any derating at 40°C ambient temperature and shall be of one make only. The sides of MDB shall also have louvers at bottom and top on sides of panel for hot air exhaust, wire mesh etc. The back of the panel shall be lockable door instead of bolted and shall conform to single line diagram. item should be of ABB, Schneider or equivalent approved by site engineer		
C-A-01	DISTRIBUTION BOARD DB-Guest House BN		
	INCOMING		
	01-150 Amps TP MCCB RC=10KA		
	03 Nos. Phase indication lamps of colour Red, Yellow, Blue.		
	03 Nos. 2 Amps fuses		
	01 Nos Digital Voltmeter scaled 0-500 Volts of appropriate sizes.		
	01 Nos.Voltmeter selector switch		
	05 Nos.copper bus bars 150 Ampere,three phase,Earth and Netural for distrubitions.		
	OUTGOING		
	30-10 Amps SP MCB RC=6 KA		
	14-16 Amps SP MCB RC=6 KA	Job	1
	27-20 Amps SP MCB RC=6 KA	Sub Total	Part -


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Item No.	Description	Unit	Qty
	SECTION - B		
	LIGHT FIXTURES		
	Supply, installation, testing and commissioning of following light fittings, ceiling, recessed, wall mounted as per specified fixture. Complete with internal wiring, Grounding terminal, driver complete in all respects. Lights should be of Phillips		
C-B-01	40 Watt (min) 2'x2' LED/SMD False ceiling Light or equivalent. IP 20 rated	No.	7
C-B-02	17 Watt LED/SMD Light Fixture, IP-44 rated	No.	259
C-B-03	9 Watt SMD/LED Light Fixture surface/recessed mounted, IP-44 rated	No.	38
C-B-03	9 Watt LED luciline Light Fixture surface/recessed mounted, IP-44 rated	No.	15
		Sub Total Part -B	

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Item No.	Description	Unit	Qty
	SECTION - C		
	MISCELLANEOUS FITTINGS		
	Supply, installation, testing & commissioning of Ceiling/ Exhaust fan. The ceiling/exhaust fan shall comprise circular fan metallic/ plastic body, metallic fan blades, down rod (if necessary) of suitable dia & length, AC capacitor, internal wiring, terminals all installation & operational accessories as per tender specifications, as per site requirements and as directed by the Engineer. make Bilal Switchgear Engineering or approved equivalent.		
C-C-01	10 " outer dia exhaust fan with plastic body, fan blades and louvers	No.	18
C-C-02	24" outer dia Wall Bracket fan, 1450Rpm, Max 50db sound level Fan shall be made with 99% purity Copper windings	No.	18
C-C-03	48" dia ceiling fan suitable to give an air displacement of minimum 7600 Cu. ft./ min. Fan shall be made with 99% purity Copper windings.	No.	32
		Sub Total Part	


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Item No.		Description	Unit	Qty
		SECTION - D		
		WIRING IN CONCEALED CONDUITS		
C-D-01		Distribution board to Switch		
		Wiring of light circuit from Distribution Board to switch, with Three nos. single core 2.5 Sqmm PVC insulated 450/750 volts grade stranded copper conductor cables in concealed PVC conduits (conduits partly shared) including PVC conduit, and conduit accessories etc. Cable should be of Pakistan Cable, Newage or fast cable and conduit should be of Solo, popular or equivalent as approved by site engineer		
i	ch/24/10 (a(iii))	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) Cost of 1x 2.5 mm (7/0.029")	Rmtr	1980
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	396
C-D-02		Switch to light point & point to point wiring		
		Wiring from switch to light or fan point with 3 nos. single core 1.5 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partly shared).		
i	ch/24/10 (a(i))	Supply and erection of single core PVC insulated copper conductor cables in pre-laid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of 1x 1.5 mm (3/0.029")	Rmtr	11610
ii	ch/24/3 (ii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 20mm	Rmtr	1935
C-D-03		Switch to Switch		
		Wiring from switch to switch with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partly shared).		
i	ch/24/10 (a(iii))	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) Cost of 1x 2.5 mm (7/0.029")	Rmtr	1029
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	245
C-D-04		Distribution board to General Purpose (5A/13A) socket		
		Wiring of circuit from Distribution Board to 5A/13A, 230Volts with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts graded, 2&3 pin switched socket, stranded copper conductor cables in concealed PVC conduit, including conduit accessories, etc. (conduit partly shared)		
i	ch/24/10 (a(iii))	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) Cost of 1x 2.5 mm (7/0.029")	Rmtr	2106
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	351
C-D-05		Socket to Socket		
		Wiring from 5 Amps, 2&3 pin socket to socket with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade solid or stanerd copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc complete. (conduit partly shared)		
i	ch/24/10 (a(iii))	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) Cost of 1x 2.5 mm (7/0.029")	Rmtr	408
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	136
C-D-06		Distribution board to 15Amps socket		

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Item No.		Description	Unit	Qty
		Wiring of circuit from distribution board to 15A, 230Volts, DP switch with 3 nos. single core 4Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc (conduit partly shared for A/Cs)		
i	ch/24/10 (a(iv))	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) Cost of 1x 4 mm (7/0.036")	RMtr	408
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	72
C-D-07		20amps to 15Amps socket		
		Wiring of circuit from distribution board to 20A, 230Volts, DP switch with 3 nos. single core 4 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc (conduit partly shared for A/Cs)		
i	ch/24/10 (a(iv))	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) Cost of 1x 4 mm (7/0.036")	RMtr	312
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	104
C-D-07		Distribution board to 20Amps socket		
		Wiring of circuit from distribution board to 20A, 230Volts, DP switch with 3 nos. single core 6 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc (conduit partly shared for A/Cs)		
i	ch/24/10 (a(v))	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) Cost of 1x 6 mm (7/0.044")	RMtr	1512
ii	ch/24/3 (iii)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jhamries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rmtr	252
C-D-07		ENERGY Meter		
	ch/24/75 (a-ii)	Supply and erection of electric energy meter, including meter testing fee, etc. a) single phase: 1x30 Amp, 250 volts	No.	16
			Sub Total Part	

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Item No.		Description	Unit	Qty
		SECTION-E		
		LT CABLES		
		Supply at site, installation, testing and commissioning of PVC insulated non armoured copper conductor cable 600 / 1000 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the Engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed. Cable should be of Paksitan Cable, Newage or fast cable and conduit should be of Solo, popular or equivalent as approved by site engineer		
C-E-01				
i	ch/24/13 (d-iv)	Supply and erection of single core PVC insulated armord 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) Cost of 1 x 4core 70 mm (19/0.083")	RMtr	190
ii	ch/24/6 (i)	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 50mm	Rmtr	190
			Sub Total Part -E	

Item No.	Description	Unit	Qty
SECTION - F			
WIRING ACCESSORIES			
	Supply at site, installation, testing and commissioning of the following wiring accessories, complete in all respects. Made of Phillips		
C-F-01	10 Amps, 250Volts one way, One gang light control switches including appropriate size concealed MS, powder coated back box.	No.	12
C-F-02	10 Amps, 250Volts one way, Two gang light control switches including appropriate size concealed MS, powder coated back box.	No.	2
C-F-03	10 Amps, 250Volts one way, Three gang light control switches including appropriate size concealed MS, powder coated back box.	No.	4
C-F-04	10 Amps, 250Volts one way, Four gang light control switches including appropriate size concealed MS, powder coated back box.	No.	19
C-F-05	10 Amps, 250Volts one way, Five gang light control switches including appropriate size concealed MS, powder coated back box.	No.	20
C-F-06	10 Amps, 250Volts one way, Six gang light control switches including appropriate size concealed MS, powder coated back box.	No.	25
C-F-07	10 Amps, 250Volts two way, one gang light control switches including appropriate size concealed MS, powder coated back box.	No.	2
C-F-08	5 Amps, 250Volts, 2 & 3 pin switched socket unit round pin including appropriate size MS, powder coated back box.	No.	66
C-F-09	13 Amps, 250Volts, Mutli pin duplex switched socket unit including appropriate size MS, powder coated back box.	No.	9
C-F-10	15 Amps, 250Volts, 3 pin duplex switched socket unit including appropriate size MS, powder coated back box.	No.	34
C-F-11	20 Amps Double Pole(DP) switch with neon indication lamp complete with MS, powder coated back box.	No.	28
C-F-12	Fan Dimmer 300 watt with switch/ including appropriate size Plastic back box. with all associated accessories.	No.	32
C-F-13	Supply and erection of 3/8" (10 mm) dia M.S. bar fan hook,placed at the time of casting of slab. Ch/24/49	No.	32
C-F-14	Appropriate size of plastic body fan box	No.	32
		Sub Total Part -F	

Item No.	Description	Unit	Qty
	SECTION - G		
	GROUNDING SYSTEM		
C-G-01	Grounding Cables		
	Supply at site, installation, testing and commissioning of PVC insulated non armoured copper conductor cable 450/ 750 Volt grade (or otherwise mentioned in cable description) in prelaid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the Engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed. Made of Pakistan, newage, Fast cables or equivalent as approved by site engineer.		
ch/24/10 (a-vii)	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) Cost of 1 x 25 mm (19/0.052")	R.Mtr	45
C-G-02	Grounding Plate		
	Ground electrode for the Grounding of LT electrical system . The Ground electrode shall comprise 600 x 600 x 6mm Thick Copper plate with Four nos. 1/2 inch dia copper nuts, bolts and washers, 02 Nos 70sqmm bare stranded Copper wire as Grounding leads, TWO inch dia GI pipe (15 feet long), lime and charcoal (Ratio 1:3), inspection chamber (CC 1:4:8), light duty CI cover, excavation & backfilling, all accessories as per site requirements & as directed by the Engineer, complete. A pit of dimensions 4 feet x 4 feet & 15 feet deep shall be excavated in the ground. The lime and charcoal shall be mixed thoroughly in the ratio of 1:3 with ONE foot thick hard packed bed in pit. The Copper plate with Grounding leads shall be placed vertically above the lime and charcoal bed. The 2nos. 70sqmm single core stranded Grounding leads shall be connected diagonally to the nuts and bolts on the copper plate, brought out through the GI pipe upto the first grounding connection point.	No.	1
C-G-03	Grounding Connection Point		
	Supply of Grounding connecting points consisting of copper plate 300mm long x50mm wide x 6mm thick to be installed, complete with fixing arrangement, brass nuts bolts, washers, lugs, 12.5mm dia. holes to facilitate connections of Incoming copper strips / copper conductors.	Nos.	1
		Sub Total Pa	

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Item No.		Description	Unit	Qty
		SECTION - H		
C-H-01		<u>CONDUITS, PIPES, DUCT, CABLE TRAYS, FIXING CLAMPS AND FIXING ARRANGEMENTS</u>		
		Supply, installation, testing and commissioning of following conduits laid under floor for telephone/ data cables, optical fiber cables, Sub main power cables & earth cables including all conduit accessories. The PVC conduits shall be laid under floor including chiseling and cutting of floor for required dimensions, laying of conduit, backfilling of remaining cavity with CC as specified for floor in that area, making good, complete in all respect. conduit made of solo, popular or equivalent as approved by site engineer.		
i	ch/24/6 (i)	50mm dia PVC conduits (Class D)	R.Mtr	190
ii	ch/24/6 (ii)	80mm dia PVC conduits (Class D)	R.Mtr	50
C-H-02		Flexible Pipe		
		Supply, installation and connections of PVC insulated flexible conduit with nipples, check-nuts fixed on RCC slabs for the following sizes, these conduits shall be used to pass the cables from light and other points made on RCC slab to fixtures mounted at walls, recessed in false ceiling or as required as per site conditions. Approximate quantity is given, actual quantity shall be as per site requirements.		
i	ch/24/5 (ii)	20 mm. dia. (3/4" dia)	R.Mtr	35
ii	ch/24/5 (iii)	25 mm. dia. (1" dia)	R.Mtr	45
			Sub Total Part	

Item No.	Description	Unit	Qty
	SECTION -J		
	CIVIL WORKS		
C-J-01	Trench (for LT Cable)		
	Labour for excavation and refilling of trench 24" wide, 24" deep 4" sand compaction below and above in preinstalled PVC pipes, ramming watering all necessary material, labour etc, complete in all respect. Actual length of the trench shall be as per site condition and paid accordingly however approximate length of trench is given.	R.Mtr	20
C-J-02	Manhole For LT Cable Pulling (If Required)		
	Construction of manholes to facilitate pulling of cables in trench or conduit as shown on drawing, manholes shall be of the size 24" x 24" x 30" deep with 9" thick wall with cement mortar, internal plaster 1:4, 100mm thick RCC cover for manhole, including cost of all accessories / materials, complete in all respects. (Tentative number of manholes have been provided, however payment shall be made as per actual and as per quantity requirement)	Nos.	2
		Sub Total Part -J	

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Item No.	Description	Unit	Qty	Unit R (Rs.)
SECTION K				
Air Conditioning				
	Providing, shifting, fixing, testing, commissioning, adjusting and balancing of standard (Cool only) DC inverter technology air conditioning units, piping insulation including condensate copper piping connection, between indoor/outdoor units conduiting and any additional charge of refrigerant accessories, and Drain piping upto nearest drain water line included in these rates making the job complete in all respect. copper piping should be of muller, trox and insulation of Durkflex or equivalent, Drain pipe should be 3/4" dia pvc pipe of master, turkplast or equivalent as approved by site engineer			
C-K-01	10ft drain pipe and cooper pipe with insulation of 1.5 Ton air conditioner.	Nos.	5	
C-K-02	10ft drain pipe and cooper pipe with insulation of 2.0 Ton air conditioner.	Nos.	16	
C-K-03	10ft drain pipe and cooper pipe with insulation of 4.0 Ton air conditioner.	Nos.	4	
C-K-04	Mild Steel 14 SWG Frame For Outer Unit	Nos.	28	
Sub Total Part -K Rs.				

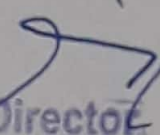
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CONSTRUCTION OF GUEST HOUSE AT BAHAWALNAGAR CAMPUS, THE ISLAMIA UNIVERSITY, BAHAWALPUR				
BILL OF QUANTITIES				
PUBLIC HEALTH WORKS				
SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY
SANITARY FIXTURES AND FITTINGS				
1	19/33 ii	Providing and fixing, floor trap of cast iron, including concrete chamber all round, and C.I. grating:- 10x7.5 cm (4"x3")	Each	16
2	19/35	Providing and fitting 10 cm (4") gully trap, including cement concrete, cost of PVC grating 15x15 cm (6"x6") and masonry chamber 30x30 cm (12"x12").	Each	6
3	19/7	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24") including bracket set, waste pipe and waste coupling.	Each	1
4	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. 225 mm (9") i/d.	P.Rft	387
5	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	1000 Cft	3483
6	3/24 (c)	Compaction of earthwork (soft, ordinary or hard soil) :- c) Ramming earthwork (all types of soil).	1000 Cft	3483
7	3/13 (a)	Rehandling of earthwork: a) Lead upto a single throw of Kassi, phorah or shovel	1000 Cft	3483
TOTAL OF MRS ITEMS				
1	NSI	Providing and fitting glazed earthen ware water closet European type(Porta HD-201), including seat and cover:- i) white	Each	6
2	NSI	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern) (HDD-9 Porta), combined with foot rest.	Each	8
3	NSI	Providing and fitting flushing hung type cistern (HD-3) 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	Each	8
4	NSI	Providing and fixing Muslim shower double bilb cock 90 angle Sonex, or equivalent complete in all respects as approved by the engineer incharge.	Each	14
5	NSI	Providing and fixing Basin BOWL White ,Porta(HD-16) or equivalent complete in all respects as approved by the Engineer incharge.	Each	13
6	NSI	Providing and fixing (7-piece set) POWDER COATED BATHROOM ACCESSORIES SET One Cosmetic Shelf, One Towel rod with bracket, One tooth brush holder with glass and cover, One Tissue paper holder, One soap dish, One double hook, One towel ring etc complete in all respects as approved by the Engineer incharge.	Each	13
7	NSI	Providing and fixing Wall Shower Sonex or equivalent complete in all respects as approved by the Engineer incharge.	Each	12
8	NSI	Providing and fixing Basin, sink mixing valve master(HDA-0501M) ,sonex or equivalent complete with all respects as approved by the engineer incharg :-white	Each	14

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SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY
9	NSI	UPVC Multi Floor Trap (110x75mm) including strainer; making required number of connections; breaking concrete or masonry work & then making it good; etc. of approved make.	Each	22
10	NSI	Providing, Fixing Dadex Class D or equivalent UPVC clean out with cover making requisite number of holes in walls, plinth or floor for pipe connection and making good the same as necessary to the structure complete including, rubber gasket and clamp.	Each	6
11		WATER SUPPLY PIPES AND FITTINGS		
		P/F Polypropylene Random copolymer (PPRC) pipe with fusion / threaded joints including the cost of all specials/ accessories i.e elbow, bend, sockets etc. (Dadex/Beeta/BBJ or equivalent) complete in all respect.		
	i	2" (50 mm) dia.	Rft	350
	ii	1" (25 mm) dia.	Rft	170
	iii	1 1/2" (40 mm) dia.	Rft	145
	iv	3/4" (20 mm) dia.	Rft	640
12		SOIL, WASTE, VENTILATING PIPES & FITTINGS		
		Providing, fixing and testing UPVC Nikasi type "B" with solution of same quality make including the cost of all specials/ accessories i.e elbow, bend, sockets etc. (Dadex/Beeta/BBJ or equivalent) complete in all respect.		
	i	100 mm (4") dia.	Rft	250
	ii	80 mm (3") dia.	Rft	180
13	NSI	VALVES Providing and fixing handle valves 16bars or equivalent complete in all respects as approved by the engineer incharge.	Each	14
	i	3/4 inch		
14	NSI	MANHOLE Making of manhole size 3'x2-1/2'x3' brick work, plaster complete as requirement including RCC manhole cover 22" dia with Tee shape C.I frame complete in all respect as per engineer Incharge	Job	7.00
15	NSI	GYSER Providing and Fixing Sui Gas Cum Electric Geyser 50 gallon capacity comprising of internal tank of G.I sheet 14-SWG and External M.S sheet 22-SWG covering with proper foot rests dully enamel painted, 4" thick heigh density glass wool insulation with proper warranty with thermostat temperature gauge including fixing and making connection at site etc. complete in all respects as approved by the Engineer Incharge. (Ambassador/Firex/Exquire)	Job	2.00
16	NSI	Providing and Fixing Sui Gas Cum Electric Geyser 30 gallon capacity comprising of internal tank of G.I sheet 14-SWG and External M.S sheet 22-SWG covering with proper foot rests dully enamel painted, 4" thick heigh density glass wool insulation with proper warranty with thermostat temperature gauge including fixing and making connection at site etc. complete in all respects as approved by the Engineer Incharge. (Ambassador/Firex/Exquire)	Job	1.00

SR. NO.	ITEM NO.	DESCRIPTION	UNIT	QTY	RAT
17	NSI	Providing and fixing Domestic type water tank of fiber glass 1000 Gallon (Double Ply) Dura or equivalent complete in all respects as approved by the Engineer incharge.	Each	3	
TOTAL OF NSI ITEMS					
GRAND TOTAL OF PUBLIC HEALTH WORKS					


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The Islamia University of Bahawalpur

Renovation & Addition/Alteration of DoIT Main Office, Help Desk Office & Lab in Faculty of Science
at Baghdad-ul-Jadeed Campus

Estimate Based on MRS, Jan to Jun, 2020

ABSTRACT OF COST

A) <u>Schedule Work</u>	
1 Civil Work	Rs. 1,637,663.00
2 Electric Work	Rs. 480,232.00
Total	Rs. 2,117,895.00
B) <u>Non-Schedule Work</u>	
1 Civil Work	Rs. 3,744,606.00
2 Electric Work	Rs. 2,281,694.00
3 Plumbing Work	Rs. 183,552.00
Total	Rs. 6,209,852.00
Total A+B	Rs. 8,327,747.00
Add 16% Punjab Sales Tax	Rs. 1,332,440.00
Grand Total	Rs. 9660187.00

M. Aslam
Sub-Engineer 9/3/2020

9/3/20
Assistant Engineer

A. H. Khan
Executive Engineer

Technically Sanctioned for Rs.9,660,187.00

Project Director
Project Director

The Islamia University of Bahawalpur
Construction & Addition/Alteration of D.O.T Main Office, Help Desk Office & Library
Baghdad-ul-Jadeed Campus

Civil Work

MRS Ref	Description	Quantity
4/49-b	Scraping:- Ordinary distemper, oil bound distemper, or paint of wall.	10817 Sft
4/19a	Dismantling cement concrete plain 1:4:8.	532.00 Cft
4/19c	Dismantling cement concrete 1:2:4 plain.	258.00 Cft
4/13	Dismantling brick work in lime or cement mortar.	100.00 Cft
4/32-i	Removing door with chowkat.	1.00 No
4/32-ii	Removing windows and sky lights with chowkat.	3.00 No
4/50	Dismantling glazed or encaustic tiles, etc.	274.50 Sft
13/31 a+b	Preparing surface and painting with emulsion paint:-old surface 2 coats	5256.00 Sft
13/4-c i+ii	Painting doors and windows, any type: old surface 2 coats	100.00 Sft
13/32 A-b	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: old surface: old surface	2000.00 Sft
7/5	Pacca brick work in ground floor:- Cement, sand mortar:- Ratio 1:5	576.00 Cft
11/9-c	Cement plaster 1:4 upto 20' (6.00 m) height:- 3/4" (20 mm) thick	2180.00 Sft
6/6	(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete :- Type C (nominal mix 1:2:4)	20.00 Cft
6/9-b	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) deformed bars 40-Grade	52.00 Kg
6/5f	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1:2:4	730.00 Cft
6/2	Dry rammed brick or stone ballast, 1 1/2" to 2" (40 mm to 50 mm) gauge.	1554.00 Cft
7/30	Supplying and filling sand under floor; or plugging in wells.	4982.00 Cft
25/53	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and partly sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc complete in all respect 2 mm thick	1182.00 Sft

M. A. A.

Sl. No.	Description	Quantity
Civil Work (Non-Schedule)		
N.S	Providing and laying Floor Tile 24"x24" Granite Effect (GEM) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge	4125.00 Sft
N.S	Providing and laying Tile Dado 9"x26" Size (51SF MPD538 & 757 Multi 9x26 Master and 24SF MPD748 Multi 9x26 Master) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge	1043.50 Sft
N.S	Providing and laying Granite Marble Slab (SADU Grey) including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2 including grinding & chemical polishing complete in all respects as approved by Engineering incharge	302.00 Sft
N.S	Providing and laying Tile Dado 24"x4" Size Granite Effect (GEM) Dark Polished SB including 05% Wastage laid in cement with pigment on a bed of 3/4" thick cement sand mortar 1:2, complete in all respects as approved by Engineering incharge	327.00 Sft
N.S	Providing and fixing Door Closer (Royalwand 604 Coffee) including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	4.00 No
N.S	Providing and fixing Door Lock (RW-46 MSN Royalwand) including all hardware fitting best quality complete in all respect as approved by Engineer Incharge.	1.00 No
N.S	Providing and fixing Roller Blinds fixing in position as per approved design and sample complete in all respect as approved by the engineer incharge.	300.00 Sft
N.S	Providing & Fixing false ceiling of Gypsum 9mm thick including all accessories, network & hardware etc complete in all respects as per approved design and sample and as directed by the engineer incharge.	3016.00 Sft
N.S	Providing and fixing of 12 mm thick glass door with Aluminum Strip, handle, machine for closing and opening the door in working condition door. Completed in all respect as approved by Engineer Incharge.	250.00 Sft
N.S	Shifting & Dumping of dismantled material from basement to outside of the univeristy vicinity complete in all respects	500.00 Sft
N.S	Preparing Surface and painting mat finish ICI 6125/BRIGHTON Mark Armo Paint (3-Coats) i/c Glass putti filling & sand paper Complete in all respect and as approved by Engineer Incharge	7192.00 Sft
N.S	M.S Steel Grill for windows comprising of 1/2"x1/2" square bar with 1.25"x1.25"x1/8" MS angle iron for frame including painting 3 coats complete in all respect as shown on the drawings, specification and/ or as directed by the Engineer incharge	1184.00 Sft

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S Ref		Description	Quantity	
N 3		Providing and fixing truss M S pipe (1 5"x1") 18 S/WG for truss, and fram with M S square pipe (1"x1") fixing of Polycarbonate sheet (5 mm thick) at truss supporting by verticale G.I pipe 3" dia (Light Quality) fixing in PCC 1:2:4, 15"x15" x 2' including painting 3 coats as per design, drawing & pattern and as approved by the engineer incharge complete in all respect.	777.50	SA
1		Electrical Work		
24/10a-i		Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only) 250/440 volts, PVC insulated:		
i		3/0.74 mm (3/0.029")	2327.50	MA
ii		7/0.74 mm (7/0.029")	1271.50	MA
iii		7/0.91 mm (7/0.036")	50.00	MA
iv		7/1.12 mm (7/0.044")	597.50	MA
v		7/1.63 mm (7/0.064")	500.00	MA
2		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) 2" i/d (50 mm)	500.00	PA
		ii) 1" i/d (25 mm)	1000.00	PA
1		N.S		
		Electric Work (Non-Schedule)		
		Supply & installation of LED 2'x 2' Ceilling Panel Light 40W (220V~, CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips 36S/865 PSU W60L60 GM G2 or Equivalent)	200.00	No
2		N.S		
		Supply & installation of LED Ceiling Light 17W (6" recessed, 220V~) i/c cutting holes to install in false (any type) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	20.00	No
3		N.S		
		Supply & installation of LED 17W Down Light (6" Surface Mounted, 220V~) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Meson or Equivalent)	5.00	No
4		N.S		
		Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	2.00	No
5		N.S		
		Supply & installation of Metal Body Wall Bracket Fan 24" (99.99% Copper) i/c any accessories (i.e. widing of mounting holes and 4.00nos of rawl bolts 1/4" etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge	2.00	No
6		N.S		
		Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Indus, Pakfan or Equivalent)	2.00	No

S Ref	Description	Quantity	
N.S	Supply & installation of 2' x 2' False Ceiling Fan 14" swipe (99.99% Copper), remote controlled i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Royal, Super-asia or Equivalent)	30.00	No
N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	40.00	No
N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	150.00	No
N.S	Supply & installation of a Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	50.00	No
N.S	Supply & installation of a Double Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	50.00	No
N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	6.00	No
N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	50.00	No
N.S	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 24"x18") including Incoming Main Molded Case Circuit Breaker of 125 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthing bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	1.00	No
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) & 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

M.A.C.

S Ref	Description	Quantity	
	Plumbing Work (Non-Schedule)		
N.S	Providing, Laying, Fixing, testing uPVC (Dadex/Beta/ Pakarab) plain ends socket pipe Type-B soil waste, vent & rain water as per approved make and quality i/c uPVC fitting with solvent cement jointing or rubber ring joints complete in all respects i/c clamps tees complete in all respects as approved by the engineer incharge.		
	i) uPVC Pipe 4" dia	100.00	Rft
	ii) uPVC Pipe 6" dia	50.00	Rft
N.S	Providing & laying, cutting, jointing, testing and disinfecting PPRC pipe line for hot and cold water supply complete in all respect socket, elbow, encaps, male/ female, threaded, fitting, like teese, adoptors to connect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site. 32mm o/d (Dadex/Beta/BBJ)	150.00	Rft
N.S	Providing & Fixing Stop Valve complete in all respects, as approved by the Engineer Incharge.		
	i) 32mm	1.00	No
	ii) 40mm	1.00	No
N.S	Providing and fitting chromium Muslim Shower best quality complete in all respts as approved by the engineer incharge (Porta or equivalent company)	3.00	No
N.S	Providing & Fitting Steel floor jali best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	4.00	No
N.S	Providing and fitting glazed earthen ware water closet (WC) Orisa pattern, combined with foot rest best quality complete in all respts as approved by the engineer incharge (HDD9 Porta or equivalent company)	3.00	No
N.S	Providing and fitting Flushing cistern 3-Gallon capacity including Bracket set & Hockey pipe best quality complete in all respts as approved by the engineer incharge (HD3 Porta or equivalent company)	3.00	No
N.S	Providing and fitting chromium plated Tee stop cock (817T Porta) best quality complete in all respts as approved by the engineer incharge (817T Porta or equivalent company)	8.00	N
N.S	Providing and fitting chromium plated double cock (5140 Porta) best quality complete in all respts as approved by the engineer incharge (5140 Porta or equivalent company)	3.00	I
N.S	Providing & Fixing uPVC "P" trap 4" dia complete in all respect as approved by the Engineer Incharge.	6.00	
N.S	Providing and fitting chromium plated Bib cock (Porta) best quality complete in all respts as approved by the engineer incharge (Porta or equivalent company)	3.00	
N.S	Providing and fixing Looking Glass best quality 2'x2' complete in all respts as approved by the engineer incharge	5.00	
N.S	Providing and fitting Chromium plated Single lever Basin Mixer Alfa (HDA0501M) best quality complete in all respts as approved by the engineer incharge (Porta HDA0501M Alfa or equivalent company)	3.00	
N.S	Providing and fitting glazed earthen ware Wash Hand basin (H.D 17 Porta 655x530x890 or equivalent company) including waste pipe and waste coupling, etc. best quality complete in all respts as approved by the engineer incharge	3.00	
			TOTAL

The Islamia University of Bahawalpur

Providing and Fixing False Ceiling, PVC Wall Paneling & Aluminium Works for
Hospital Building at Baghdad-ul-Jadeed Campus

Estimate Based on MRS, (Jan to Jun) 2020

ABSTRACT OF COST

A Schedule Work

1 Civil Work

Rs. 2,047,191.77

2 Electric Work

Rs. 31,322.50

3 Plumbing Work

Rs. 19,529.30

Total

Rs. 2,098,043.57

B Non-Schedule Work

1 Civil Work N.S

Rs. 2,025,973.41

2 Electric Work

Rs. 353,295.72

3 Plumbing Work N.S

Rs. 50,232.52

Total

Rs. 2,429,501.65

Total A+B

Rs. 4,527,545.22

Add Punjab Sale Tax @ 16%

724407.23

5251952.00

Sub-Engineer

Assistant Engineer

Executive Engineer

Technically Sanctioned for Rs.5,251,952.00

Project Director

The Islamia University of Bahawalpur

Providing and Fixing False Ceiling, PVC Wall Paneling & Aluminium Works for Ho
Jadeed Campus

MRS Ref	Description	Quantity	
	Civil Work Schedule		
25/51	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using deluxe section of M/s Al-Cop or Pakistan 'Cables, having chowkat frame of size 40 x 100 mm (1½" x 4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted 'glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	558.25 Sft	
25/53-b	Providing and fixing all types of glazed aluminium windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mmx30mm using frame at bottom, at top and side leaf leaf frame sections of 60mmx23mm at top & bottom and size 45mmx25mm at center and size 45mmx25mm at sides, Jali leaf frame size 43mmx13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gas ket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect. 2 mm thick	598.50 Sft	
10/43-b	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope complete in all respect. (50% Grey / 50% Coloured) 60-mm thick	7790.00 Sft	
11/4-a	Cement Neru plaster 1:2 (cement and sand) upto 20' (6.00) height. ¼" (6 mm) thick	10800.00 Sft	
7/5-i	Pacca brick work in ground floor:- Cement, sand mortar:- Ratio 1:5	341.25 Cft	
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	131.67 Cft	
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: old surface	12454.67 Sft	
			Tot
	Civil Work N.S		
N.S	Providing & Fixing false ceiling of Gypsum 9mm thick i/c all accessories, network & hardware etc as per approved design and sample and as directed by the engineer incharge. (N.S)	2615.44 Sft	
N.S	Providing and fixing PVC wall Paneling using PVC gola and joints as approved coloured & design as approved as per approved design and sample and as directed by the engineer incharge.	7540.50 Sft	
N.S	Providing and fixing ¾" thick Leminated Board shutter with ¾" x ¾" 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	82.50 Sft	

IRS Ref		Description	Quantity	
	N.S	Providing and laying Floor Tile 16" x 16" Granite effect, (Master) 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.	3003.33 Sft	
	N.S	Providing and fixing door closer best quality for door complete in all respect as approved by the engineer incharge	7.00 Nos	
6	N.S	Providing and laying coloured glazed tile Dado/Floor 12" x 18" size Master DFD Series Light SB laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2, Style bond complete in all respects as approved by Engineering incharge.	630.00 Sft	
		<u>Plumbing Work</u>		
1	19/3-ii	Providing and fitting glazed earthen ware water closet, squatter type (Orisa pattern), combined with foot rest. Coloured	2.00 Nos	
2	19/34-ii	Providing and fitting "P" trap:- 10 cm (4") glazed.	6.00 Nos	
3	19/27	Providing and fixing chromium plated tee stop cock '15mm (1/2").	6.00 Nos	
4	19/23-ii	Providing and fixing chromium plated pillar-cock, heavy:- 1.5 cm (1/2")	2.00 Nos	
5	19/26-ii	Providing and fixing chromium plated bib cock:- 1.5 cm (1/2")	2.00 Nos	
6	19/12-ii	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete. Coloured	2.00 Nos	
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. coloured, with pedestal	2.00 Nos	
8	19/22	Providing and fitting:-	2.00 Nos	
i		plastic soap dish	2.00 Nos	
ii		plastic toilet paper holder	2.00 Nos	
iii		plastic towel rail	2.00 Nos	
iv		plastic shelf 60x13 cm (24"x5") with bracket and railing.	2.00 Nos	
9	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	2.00 Nos	
		<u>Plumbing Work N.S</u>		T
1	N.S	Providing and fixing and testing uPVC plain ends socketed pipes, waste, vent & rain water as per approved make and quality including uPVC fittings with solvent cement jointing or rubbering joints complete in all respects including clamps, tee etc complete in all respect as approved by the engineer incharge 4" i/d	35.00 Rft	
2	N.S	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe line for hot & cold water supply complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adoptors to conect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site. 25 mm	40.00 Rft	

S	MRS Ref	Description	Quantity		
3	N.S	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipe line for hot & cold water supply complete in all respects, i/c specials such as coupler, reducing socket, elbow, endcaps, male/female, threaded, fittings, like teese, adoptors to conect polydex pipes to other pipe and shower, wash basin, bibcock etc. as required at site. 32 mm	70.00 Rft		
4	N.S	Providing & Fixing Gate Valve PPRC 25mm best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	2.00 Nos		
5	N.S	Providing & Fixing Gate Valve PPRC 32mm best quality complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	4.00 Nos		
6	N.S	Providing & Fixing Muslim shower with double bib cock of Fasial / Master with flexibe pipe complete unit in working condition, complete in all respect as per specifications and drawings and as approved by the Engineer Incharge.	2.00 Nos		1
7	N.S	Providing and fixing Coloured Glazed Earthen ware water closet Europen type Couple set including Flush Tank fixed with comode, Bakelite sheet cover thrimble, connection pipe Complete in all respect and approved by Engineering Incharge. (Master company)	2.00 Nos		2
					T
1	24/10	<u>Electric Work</u> Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only).250/440 volts, PVC insulated: 3/0.74 mm (3/0.029") i 7/0.74 mm (7/0.029") ii 7/1.12 mm (7/0.044")	180.00 Meter 150.00 Meter 140.00 Meter		T
1	N.S	<u>Electric Work N.S</u> Supply & installation of Ceiling Fan 56" (99.99% Copper) with speed control dimmer at site i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis-Deluxe, Royal-3 star enercon, Pakfan-Deluxe or Equivalent)	6.00 Nos		
2	N.S	Supply & installation of PVC Exhaust fan 12" (99.99% Copper) i/c any accessories (i.e. screw. Rawl plug or steel nail, etc.) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (GFC, Royal, Pakfan or Equivalent)	4.00 Nos		
3	N.S	Supply & installation of LED Ceiling Light 17W (recessed type, 220V) i/c cutting holes to install in false (any type) i/c any accessories as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips Essential or Equivalent)	70.00 Nos		

S Ref	Description	Quantity	
N.S	Supply, installation, connection & commissioning of distribution boards, (DBs), Open type Wall mounted design, made of M.S. Sheet 18 SWG with hinged glass door, handle, and 2 coats of Approved paint, (Size 24"x18") including Incoming Main Molded Case Circuit Breaker of 125 Amps T-p (15KA) 1.00 No, Distribution Miniature Circuit Breaker of 10/20 Amps S-p (6KA) 24.00 Nos, LED phase light volt meter type (RYB), Earthing bar, Neutral bar and any accessories (i.e. Earth/neutral bar, Nut/bolts, Screws/rawl plugs, Jumper connections & etc.) required at site. Complete in all respects as approved by the engineer incharge. (for MCCB & MCBs Hitachi, Schneider Electric, Legrand or equivalent).	1.00 No	
5	N.S	Supply & installation of Wall Bracket Fan 18" (99.99% Copper) i/c any accessories (i.e. mounting screws & etc) as required at site. Complete in all respect as directed and approved by the Engineer Incharge (Younis, Tamoor, Pakfan or Equivalent)	6.00 Nos
6	N.S	Supply & installation of a Power plug 15A with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	20.00 Nos
7	N.S	Supply & installation of a Four Single Pole Switch Plate with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	18.00 Nos
8	N.S	Supply & installation of a Six Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	12.00 Nos
9	N.S	Supply & installation of a Eight Single Pole Switch Plate with plastic back box 3"x 6" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge. (Philips ECO Series Q2 or Equivalent)	6.00 Nos
10	N.S	Supply & installation of Universal 3-Pole Socket with 13A Switch with plastic back box 3"x 3" i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	18.00 Nos
11	N.S	Supply & installation of LED 2'x2' ceiling panel light 40W (220V CW or WW) i/c any accessories required at site. Complete in all respect as directed and approved by the Engineer Incharge (Philips ECO Series Q2 or Equivalent)	8.00 Nos

The Islamia University of Bahawal

Annual/Special Repair of Abu Bakar Hall at Abbasia

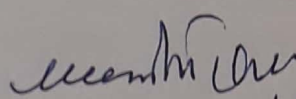
Civil Work		Description	Quantity
6	11/37	Petty repair to main rooms.	134.00 Nos
		Petty repair to verandah.	13.00 Nos
	4/49-b	Scraping Ordinary distemper, oil bound distemper, or paint of wall.	48,761.25 Sft
4	11/22	Priming coat of chalk under distemper.	51241.87 Sft
5	13/31-ii	Preparing surface and painting with emulsion paint:- old surface 2 coats	171,313.87 Sft
6	13/4-c	Painting old surfaces:- Painting doors and windows, any type: old surface 2 coats	67,351.25 Sft
7	13/4-b	Painting old surfaces:- Painting sashes, fanlights, glazed or gauzed doors and windows:- old surface 2 coats	12,776.00 Sft
8	12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter steering 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.	378.00 Sft
9	12/18-ii	Providing and fixing sliding bolt to doors:- Iron sliding bolt, 12" (300 mm) long	41.00 Nos
10	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	14.00 Nos
11	19/12-ii	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete.	19.00 Nos
12	19/26-ii	Providing and fixing chromium plated bib cock:- 1.5 cm (½")	32.00 Nos
13	19/29	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	15.00 Nos
14	19/19	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	4.00 Nos
15	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 patil ½"x 1/8" (13 mmx3 mm) and machine made screws.	716.00 Nos
16	19/27	Providing and fixing chromium plated tee stop cock 15mm (½").	12.00 Nos
17	19/24-ii	Providing and fixing chromium plated stop cock, heavy:- 1.5 cm (½")	21.00 Nos

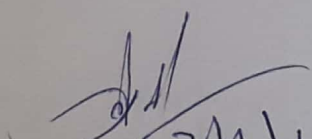
The Islamia University of Bahawalpur
Replacement of Flooring of Vice Chancellor's House at Baghdad-ul-Jadeed
Campus

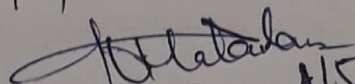
MRS: Jan -Jun 2020/N.S
ABSTRACT OF COST

A	Schedule Items		
	Civil Work	Rs.	145,382.46
B	Non-Schedule Items		
	Civil Work	Rs.	3,792,971.33
	GRAND TOTAL (A+B)	Rs.	3,938,353.79
	Add 16% PST	Rs.	630,136.61
	Grand Total	Rs.	4,568,490.39

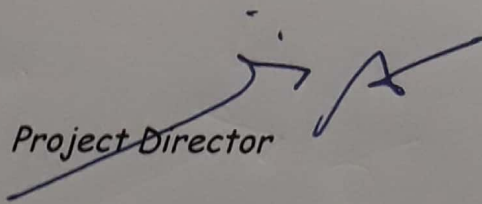
<u>SAY</u>	<u>Rs.</u>	<u>Rs.4,568,490</u>
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Sub-Engineer 24/4/20


Assistant Engineer 24/4/20


Executive Engineer (M) 15/5/2020

Technically Sanctioned for Rs.4,568,490.00


Project Director

Replacement of Flooring of Vice Chancellor's House at Baghdad-u

	Description	Ref	Quantity	
	Civil work (Schedule)			
1	Dismantling cement concrete 1:2:4 plain.	4/19-c	438.25	Cft
2	Dismantling cement concrete with brick aggregate.	4/19-d	1484.25	Cft
3	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	10/3	1741.28	Cft
	Civil work (Non-Schedule)			
1	Providing & Fixing Fancy Granite Marble Dado/Skirting (Coffee Brown) ¾" thick in pigment over (1:2) C.S mortar ¾" thick including Finishing complete in all respect and as approved by the Engineer Incharge		985.45	Rft
2	Providing & laying floors of approved Glazed coloured porcelain tiles 48"x24" (Imported Quality made in UAE) white cement and pigment over a bed of ¾" thick cement mortar 1:2 complete in all respect and as approved by the Engineer Incharge		3943.16	Sft
3	Providing & Fixing Fancy Granite Coffee Brown Marble Slab (Imported Quality) for door sill ¼" thick in pigment over (1:2) C.S mortar ¾" thick including Finishing complete in all respect and as approved by the Engineer Incharge		418.15	Sft

The Islamia University of Bahawalpur

Resurfacing of Deer Farm & Fish Pond Road and Cat-Eyes of Main Approach Road at
Baghdad-ul-Jadeed Campus

Estimate Based on MRS Jan to Jun, 2020/N.S

ABSTRACT OF COST

1) Civil Work (Schedule Items)	Rs.	2,604,108.00
2) Civil Work (Non-Schedule Items)	Rs.	285,715.00
Total	Rs.	2,889,823.00
Add 16% PST	Rs.	462,372.00
Grand Total	Rs.	3,352,195.00

Sub-Engineer

21/4/20

Assistant Engineer

Executive Engineer

21/4/2020

Technically Sanctioned for Rs.3,352,195.00

Project Director

The Islamia University of Bahawalpur

Resurfacing of Deer Farm & Fish Pond Road and Cat-Eyes of M Baghdad-ul-Jadeed Campus

Civil Work (Schedule)

Reff	Description	Quantity
18/09	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.	
+	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.	
18/8	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.	66550.00 Sft
2	18/09 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.	
	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.	66550.00 Sft
1	Civil Work (Non-Schedule) Providing and fixing plastic, double side Cat-Eyes (Yellow & White) with epoxy, steel nails etc (3M or equivalent) with layout, cleaning of surface complete in all respects and as per direction of engineer incharge.	960.00 No